Search history

Search 1: FT=(water and dispenser* and furniture) (Results 1779)

Search 2: FT=(water and dispenser* and organizer) (Results 261)

Search 3: FT=(water and (cooler or dispenser) and (bottom load*) and (storage or furniture or cabinet)) (Results 40)

Search 4: FT=(water and (cooler or dispenser) and (bottom load*) and (storage or furniture or cabinet)) (Results 40)

Search 5: FT=(water and (cooler or dispenser) and (storage or furniture or cabinet)) (Results 89040)

Search 6: FT=(water and (cooler or dispenser) and (storage or furniture or cabinet) and planter) (Results 216)

Search 7: FT=(water W1 (cooler or dispenser) and (storage or furniture or cabinet) and planter) (Results 11)

Search 8: FT=(water W1 (cooler or dispenser) and (storage or furniture or cabinet)) (Results 7325)

Search 9: sFT=(water W1 (dispenser or storag*) and (furniture or planter or cabinet or furnishing)) (Results 4580)

Search 10: sFT=((water or liquid) W1 (dispenser or storage or resevoir) and (spigot or valve or tap or faucet) and (removable W1 (top or lid)) and (grip* or handle*)) (Results 187)

Search 11: sFT=((water or liquid) W1 (dispenser or storage or resevoir) and (spigot or valve or tap or faucet) and (container or basket or can) and (grip* or handle*)) (Results 7665)

Search 12: sFT=((water or liquid) W1 (dispenser or storage or resevoir) and (spigot or valve or tap or faucet) and (container or basket or can) and (grip* or handle*) and (lid or cap)) (Results 3088)

Search 13: (12) and sFT=planter (Results 15)

- session log created:11 August 2017 04:37:13
- Update information:

PatBase Coverage at Update 2017 Week 31 (Year 2017 Week 31)

PatBase Coverage includes 100+ million documents from over 100 patent–issuing authorities and includes patent applications, granted patents, utility models and designs â€“ detailed in the below coverage listings.

Major countries

Publishing body	Document type	Bibliographic publication date		Full–Text publication date	
		Earliest	Latest	Earliest	Latest
CN China	Patent Applications	19850910	20170804	19850910	20170804
	Patents	19930106	20170804	19930106	20170804
	Utility Model Applications	19850409	19921230	19850409	19921230
	Utility Models	19930106	20170804	19930106	20170804
	Designs	19850910	20170804	19850910	20150819
DE Germany	Patent Applications	19211221	20170803	19650317	20170803
	Patents	18770101	20170803	19200113	20170803
	Utility Models	19280626	20170803	19610831	20170803
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FR France	Patent Applications	19690307	20170804	19810102	20170714
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	Utility Model Applications	19720107	20170804	19800104	20170714
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GB United Kingdom	Unpublished Patent Applications	19830209	20170726		
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JP Japan	Patent Applications	19710116	20170727	19930108	20170727
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KR Republic of Korea	Patent Applications	19781209	20170804	19940103	20170804
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US United States of America	Patent Applications	20010315	20170803	20010315	20170803
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	Designs	20151127	20170804	20151127	20170804

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- Login to Patbase:11 August 2017 04:37:13
- **search:** SS1 FT=(water and dispenser* and furniture) (Results 1779)
- List: SS1 1–50 (FT=(water and dispenser* and furniture)) (Results 1779)

0) US2008274928A – WATER SOLUBLE MAGNESIUM COMPOUNDS AS CLEANING A...

1) Family number: 42459960 (US2008274928A) © PatBase

Title: WATER SOLUBLE MAGNESIUM COMPOUNDS AS CLEANING AGENTS AND METHODS OF USING THEM

Priority:

EP20080747604	20080502	US20070927575P	20070504	US20080114355	20080502
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Family:

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WO08137802 A3	20081231	WO2008US62576	20080502	

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B01D27/02 B08B3/04 B08B3/08 B08B7/00 B08B7/04 B08B9/20 C02F1/52 C02F1/58 C02F5/00 C02F5/02 C09D5/08 C09K3/00 C10G45/00 C10G9/00 C10G9/16 C11D1/00 C11D1/83 C11D11/00 C11D17/00 C11D17/06 C11D17/08 C11D3/00 C11D3/02 C11D3/04 C11D3/08 C11D3/10 C11D3/12 C11D3/16 C11D3/20 C11D3/24 C11D3/37 C11D3/386 C11D3/395 C11D3/48 C11D3/60 C11D7/02 C11D7/10 C11D7/12 C23C20/00 C23C20/06 C23C22/00 C23F1/08 C23F11/06 C23F11/08 C23F11/12 C23F11/18 C23G1/18 C23G1/20 C23G1/22 D06F39/00 D06L1/12 (Advanced/Invention); C02F5/06 (Advanced/Non–invention); B01D27/00 B08B3/04 B08B3/08 B08B7/00 B08B7/04 C02F1/52 C02F1/58 C02F5/00 C09D5/08 C09K3/00 C10G45/00 C10G9/00 C11D1/00 C11D1/83 C11D11/00 C11D17/00 C11D17/08 C11D3/00 C11D3/02 C11D3/04 C11D3/08 C11D3/10 C11D3/12 C11D3/16 C11D3/20 C11D3/24 C11D3/37 C11D3/38 C11D3/395 C11D3/48 C11D7/02 C23C20/00 C23C22/00 C23F1/08 C23G1/14 D06F39/00 (Core/Invention)

International class (IPC 1–7): C11D1/00 C11D3/04

CPC: C02F5/02 C02F5/06 C02F2303/14 C02F2303/22 C11D11/0023 C23F11/08 C23F11/124 C23F11/18 C23G1/20 C23G1/22 C11D3/046 C11D7/10 C11D3/04

European class: C11D11/00B2D C11D3/04S C11D7/10

US class: 106/14.05 106/14.050S 134/109 134/109S 134/18 134/18P 134/25.1 134/25.2 134/25.3 134/25.4 134/36 134/42 134/56.00DS 134/56D 134/7 134/7P 210/287 210/287S 210/723 210/723S 252/174 252/387 252/387S 252/388 252/388S 252/396 252/396S 422/13 422/18 426/321 426/323 510/108 510/108S 510/109 510/109S 510/161 510/180 510/181 510/181S 510/189 510/214 510/218 510/218S 510/219 510/219S 510/220 510/220S 510/221 510/224 510/225 510/227 510/232 510/233 510/234 510/235 510/235S 510/238 510/238S 510/255 510/258 510/283 510/287 510/293 510/298 510/336 510/337 510/337S 510/356 510/356S 510/393 510/393S 510/400 510/400S 510/401 510/401S 510/403 510/403S 510/404 510/404S 510/405 510/405S 510/420 510/420S 510/433 510/433S 510/435 510/445 510/445S 510/446 510/446S 510/451 510/475 510/477 510/477S 510/488 510/488S 510/508 510/508S 510/509 510/509S 510/511 510/511S 510/514 510/521 68/12.13 68/12.130S 8/137 99/483

Classification Explorer

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AU2011326374,

Abstract:
Source: US2008274928A The present invention relates to compositions and methods employing a water soluble magnesium compound. In certain embodiments, the composition includes water and water soluble magnesium compound, but lacks other materials commonly used in cleaning compositions. The methods and compositions can provide magnesium ion at predefined ratios to calcium ion in water, such as magnesium ion in a molar amount equal to or in excess over a molar amount of calcium ion. A water soluble magnesium salt including an anion of a water soluble calcium salt is more effective than a magnesium salt with an anion of a water insoluble calcium salt. These compositions can be used for reducing lime scale or precipitate formation from hard water, removing soap scum, or the like.

0) US2013146086A – ACID REGENERATION OF ION EXCHANGE RESINS FOR IN...

2) Family number: 54077258 (US2013146086A) © PatBase

Title: ACID REGENERATION OF ION EXCHANGE RESINS FOR INDUSTRIAL APPLICATIONS

Priority: EP20120857287 20121212 US20110569829P 20111213 US20120711843 20121212 US20120711888 20121212 US20130802870 20130314 US20130802874 20130314 US20130802915 20130314 WO2012US69280 20121212 WO2012US69283 20121212 US20160179496 20160610 US20160257456 20160906 US20160376850 20161213 US20170420706 20170131 US20170427362 20170208

Family:

Publication number	Publication date	Application number	Application date
AU2012352341 AA	20130620	AU20120352341	20121212
AU2012352341 BB	20161208	AU20120352341	20121212
AU2012352343 AA	20130620	AU20120352343	20121212
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US2017088442 AA	20170330	US20160376850	20161213
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US2017144145 AA	20170525	US20170427362	20170208
US9387471 BB	20160712	US20130802915	20130314
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US9556043 BB	20170131	US20130802870	20130314
US9593028 BB	20170314	US20130802874	20130314
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WO13090446 A1	20130620	WO2012US69280	20121212
WO13090448 A1	20130620	WO2012US69283	20121212

Probable Assignee: ECOLAB USA INC

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47L15/24 A47L15/42 B01J19/24 B01J39/04 B01J39/05 B01J39/07 B01J39/08 B01J39/18 B01J39/20 B01J47/10 B01J47/14 B01J49/00 B01J49/06 B01J49/53 B01J49/75 B08B3/04 B08B3/14 C02F1/42 D06F39/00 (Advanced/Invention); A47L15/24 (Advanced/Non–invention)

CPC: B08B3/14 A47L15/241 C02F2209/00 B01J39/20 C02F2001/425 C02F2209/005 C02F2209/06 C02F2303/16 B08B3/04 B01J39/19 B01J39/043 B01J39/046 B01J49/0008 B01J49/0086 B01J47/145 B01J49/06 B01J39/05 B01J39/07 B01J47/15 B01J49/53 B01J49/75 A47L15/4229 B01J39/08 C02F1/42 D06F39/007 A47L15/4217

US class: 1/1 134/10 134/42 210/143 210/175 210/177 210/190 210/190 210/191 210/662 210/670 210/676 210/96.1 210/96.1

Classification Explorer

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Forward Citations: WO16025109, US9665852, US9481857, US9352993, US2016362308, US2016320213, US2015332181, US2014202500, US2012000434, CN105651979, CN105435865, CN105384215, CN105217726, CN105217726, CN105110415, CN105110415,

Abstract:
Source: US2013146086A Methods and systems for acid regeneration of ion exchange resins are disclosed. Acid resins designed for use in a variety of cleaning application using a water source use a treated, softened, acidic water source according to the invention. Various methods of using the softened acidic water generated by acid regenerate–able ion exchange resins are disclosed to beneficially reduce spotting, filming and scale buildup on treated surfaces, reduce and/or eliminate the need for polymers, threshold reagents and/or rinse aids, and using protons generated in the acidic water effluent for triggering events useful in various cleaning applications.

0) US2014069344A – METHOD OF MAKING EXTRUDED SELF–CLUMPING CAT LIT...

3) Family number: 55978065 (US2014069344A) © PatBase

Title: METHOD OF MAKING EXTRUDED SELF–CLUMPING CAT LITTER

Priority: US20120699858P 20120911 US20130426483 20130911 US20130842534 20130315 US20130775707P 20130311 US20130868073 20130422 US20130857236P 20130723 US20130868084 20130422 US20140339449 20140723 US20150605045 20150126 US20140931609P 20140125 US20140952133P 20140312 US20150656086 20150312 US20150656692 20150312 US20150114069 20150126 WO2013US59284 20130911 WO2013US59325 20130911 US20150668975 20150325 US20160050088 20160222 US20160050108 20160222 WO2015US12969 20150126 WO2015US20167 20150312 WO2015US20310 20150312

Family:

Publication number	Publication date	Application number	Application date
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WO15138821 A1	20150917	WO2015US20310	20150312	

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Inventor(s):(std)**:** LIPSCOMB JOHN M ; REPINSKI SCOTT ; STEIN DAVID D

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; BLANEY MCMURTRY LLP; RAU SCHNECK AND HUEBNER PATENTANWAELTE RECHTSANWAELTE PARTGMBB; ZACCO SWEDEN AB; RAU SCHNECK AND HUEBNER PATENTANWAELTE RECHTSANWAELTE PARTGMBB; BOYLE FREDRICKSON SC; STEIN DAVID D

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class(IPC 8–9)**:** A01K1/00 A01K1/01 A01K1/015 A01K1/035 A01K23/00 B01J13/22 B01J2/16 B01J2/30 B01J20/04 B01J20/10 B01J20/12 B01J20/20 B01J20/24 B01J20/28 B01J20/30 B01J20/32 B29B9/06 B29B9/10 B29B9/12 B29B9/14 B29B9/16 B29C37/00 B29C47/00 B32B23/06 B32B29/08 B32B3/28 B32B37/12 B32B7/02 B32B7/12 C08J3/12 C08K3/34 C08L3/02 C09J103/02 (Advanced/Invention);
B29K1/00 B29L31/00 (Advanced/Non–invention);
A01K B01J B29B C08J (Subclass/Invention)

CPC: A01K1/0107 B32B3/28 B32B29/08 B32B23/06 B32B7/02 B32B2264/04 B32B2305/30 B32B2307/50 B32B2307/7163 B32B2307/734 B32B2479/00 Y10T428/24711 Y10T428/2495 B32B2607/00 Y10T428/31971 Y10T428/31982 B01J20/12 B01J20/3007 B01J20/3236 B01J20/3212 B01J20/3042 C09J103/02 B32B29/005 B32B2255/12 B32B2255/24 A01K1/0152 A01K1/0154 B29C37/0025 B29C47/0004 B29C47/0016 B29C47/0066 B29K2003/00 B29K2001/00 B29K2995/0068 B29L2031/769 A01K1/0155 B01J20/24 B01J20/28011 B01J20/043 B01J20/10 B01J20/20 B01J20/3204 B01J20/3223 B01J20/3234 B01J20/3293 B32B7/12 B29C47/0011 B29L2031/00 B01J20/2803 B01J20/3028 B29B9/12 B29B9/16 B29B9/14 B29B2009/161 B29B2009/163 B29B9/06

US class: 1/1 119/171 264/12 264/129 264/148 264/232 428/184 428/213 428/532 428/535 502/404

Classification Explorer

Cited documents: WO8403513 A1, WO13096438 A1, WO11134074 A1, WO11094022 A1, US8235006 BB, US8074604 BB, US7964529 BB, US7776110 BB, US7757638 BB, US7478610 BB, US7337747 BB, US7228819 BA, US7089882 BA, US6962129 BA, US6895896 BA,

US6720406 BA, US6371050 BA, US6287550 BA, US6220206 BA, US6089189 A, US5962578 A, US5955036 A, US5942170 A, US5938994 A, US5836263 A, US5806462 A, US5736209 A, US5735232 A, US5638770 A, US5609123 A, US5503111 A, US5230305 A, US5209185 A, US5109804 A, US5101771 A, US5098635 A, US4954352 A, US4822546 A, US4503115 A, US4483886 A, US4206718 A, US4009684 A, US3923005 A, US3765371 A, US3672945 A, US3316590 A, US2610136 A, US2013213314 AA, US2013213313 AA, US2013206075 AA, US201313842534, US2012152115 AA, US2012118242 AA, US2011287123 AA, US2011253055 AA, US2011185978 AA, US2011185977 AA, US2011061598 AA, US2010311904 AA, US2010269758 AA, US2010132619 AA, US2010006035 AA, US2009308323 AA, US2009000562 AA, US2008318762 AA, US2008223302 AA, US2008121187 AA, US2007289543 AA, US2007179291 AA, US2007175403 AA, US2007017453 AA, US2006243212 AA, US2005132968 AA, US2005005869 AA, US2004244710 AA, US2004112298 AA, US2004079293 AA, US2003065296 AA, RU2273129 C1, RU2153251 C1, JP3290126 A2, JP2013517795 T2, JP2010131597 A2, JP2010017096 A2, JP2009539382 T2, JP2005510218 T2, JP2005211018 A2, JP2004344073 A2, JP2004147512 A2, JP2004121036 A2, JP10271931 A2, GB1420392 A, FR2794993 A1, DE4424946 A1, CN102215672 A,

Forward Citations: WO17117476, WO16123155, US9655341, US9618456, US9616382, US9616381, US9538722, US9084409, US2016106069, US2015273523, US2015181833, US2015107524, US2015040833, US2014265004,

Abstract:
Source: US2014069344A A litter and litter making method producing cat litter from a carbohydrate starch−containing cereal grain, e.g., corn, based admixture extruded from a single screw or twin screw extruder forming pellets having a clumping agent formed during extrusion composed at least in part of carbohydrate polymer binder. Each pellet is extruded under conditions that cause formation of carbohydrate polymer binder clumping agent at least some of which is water soluble. One preferred method of extruding cat litter causes starch dextrinization to occur such that at least some of the carbohydrate polymer binder clumping agent in each pellet is formed of dextrin. Each pellet can be coated such as with a smectite that preferably is bentonite. During use, pellet extrusion formed clumping agent in a pellet wetted with urine dissolves and flows in between and along adjacent pellets causing them to clump together without the presence of any clumping agent additive.

4) Family number: 31767603 (US2005112634A) © PatBase

Title: HIGH DENSITY SEQUENCE DETECTION METHODS AND APPARATUS

Priority:

CA20032441481	20030918	CA20032441481	20030918	US20030504042P	20030919
US20030504052P	20030919	EP20060739280	20060321	EP20050783340	20050804
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: APPLIED BIOSYSTEMS LLC

Assignee(s):(std)**:** BLASENHEIM BARRY ; LI ROBIN ; LU MIKE ; HARDING IAN ; KAO H PIN ; LIM GARY ; FAWCETT ADRIAN ; JONES BOB ; LIVAK KENNETH ; LIU TIMOTHY ; JONES ROBERT C ; HARDING IAN A ; LU MIKE Y ; LEHTO DENNIS A ; FOCARACCI JULIO P ; GUERRA ROBERT ; KAO H P ; HAYASHIBARA KATHLEEN C ; KARGER ACHIM ; LAIRD HYLAND FIONA C ; GUNSTREAM STEPHEN J ; KINNEY PATRICK D ; K LAU ALDRICH N ; CARRILLO ALBERT ; BODNER KEVIN ; BODEAU JOHN ; BAHATT DAR ; ERMAKOV SERGEY ; CARRILLO ALBERT L ; BLASENHEIM BARRY J ; BODEAU JOHN P ; BEARD NIGEL P ; APPLIED BIOSYSTEMS LLC ; AMIN YUSUF ; ANGELICA STEVE ; APLERA CORP ; APPLERA CORP ; APPLIED BIOSYSTEM LLC ; APPLIED BIOSYSTEMS ; LIFE TECHNOLOGIES CORP ; LIVAK KENNETH J ; STUDIOSTAMPA INC ; STAMP ARLENE ; REEVE VINCENT ; SANDELL DON ; PATEL JAYNISH ; WOUDENBERG TIMOTHY ; OLDHAM MARK ; REED MARK T ; SHANNON MARK ; OLDHAM MARK F ; RUFF DAVID ; SANDELL DONALD ; MACK JEROME A ; NGUYEN HOANG ; REEVE VINCENT M ; YAN TONY S ; WOUDENBERG TIM ; OSTADAN OMEAD ; PRATT MARK R ; STEVENS JUNKO F ; TOMANEY AUSTIN B ; YOUNG GREG ; TOMANEY AUSTIN ; STEVENS JUNCO F ; ULDHAM MARK ; WOUDENBERG TIMOTHY M ; SHANNON MARK E ; RUFF DAVID W

Assignee(s): BANK OF AMERICA NA AS COLLATERAL AGENT ; LIFE TECHNOLOGIES CARLSBAD CORP ; LIFE TECHNOLOGIES CORP CARLSBAD ; APPLIED BIOSYSTEMS INC ; BANK OF AMERICA NA COLLATERAL AGENT AS ; KAO H

Inventor(s):(std)**:** BEARD NIGEL P ; BLASENHEIM BARRY J ; BODEAU JOHN P ; CAMILLO ALBERT L ; CARRILLO ALBERT L ; ANGELICA STEVE ; ERMAKOV SERGEY V ; FOCARACCI JULIO P ; GUERRA ROBERT ; HARDING IAN A ; JONES BOB ; JONES JONES C ; JONES ROBERT C ; LEHTO DENNIS A ; LI ROBIN ; LIM GARY ; LIU TIMOTHY ; LIVAK KENNETH ; LIVAK KENNETH J ; LU MIKE ; LU MIKE Y ; MACK JEROME A ; NGUYEN HOANG ; OLDHAM MARK ; OLDHAM MARK F ; KAO H P ; PATEL JAYNISH ; YAN TONY S ; KAO H PIN ; HARDING IAN ; FAWCETT ADRIAN ; ERMAKOV SERGEY ; CARRILLO ALBERT ; BODNER KEVIN ; BODEAU JOHN ; BAHATT DAR ; AMIN YUSUF ; YOUNG GREG ; TOMANEY AUSTIN B ; STEVENS JUNKO F ; PRATT MARK R ; OSTADAN OMEAD ; REED MARK T ; REEVE VINCENT ; REEVE VINCENT M ; RUFF DAVID ; SANDELL DON ; SANDELL DONALD ; SANDELL DONALD R ; SHANNON MARK ; STEVENS JUNCO F ; WOUDENBERG TIM ; WOUDENBERG TIMOTHY ; WOUDENBERG TIMOTHY M ; LAIRD HYLAND FIONA C ; KARGER ACHIM ; SHANNON MARK E ; RUFF DAVID W ; TOMANEY AUSTIN ; STAMP ARLENE ; KINNEY PATRICK D ; K LAU ALDRICH N ; GUNSTREAM STEPHEN J ; BLASENHEIM BARRY ; HAYASHIBARA KATHLEEN C

Inventor(s): GUNSTREAM STEPHEN ; K LAU ALDRICH ; JONES ROBERT ; KINNEY PATRICK ; YAN TONY ; STEVENS JUNKO ; TOMANEY AUSTIN SAN FRANCISCO ; LEHTO DENNIS ; PRATT MARK ; REED MARK ; LAIRD HYLAND FIONA ; OLDHAM MARK F LOS GATOS ; OLDHAM MARK LOS GATOS ; LU MIKE Y SAN JOSE ; MACK JEROME ;

KAO H ; HARDING IAN A SAN MATEO ; HAYASHIBARA KATHLEEN ; FAWCETT ADRIAN PLEASANTON ; FOCARACCI JULIO ; BEARD NIGEL ; CARRILLO ALBERT L REDWOOD CITY

Agent(s): WEBER BIRGIT DIPL BIOL DR RER NAT; WOEHLER CHRISTIAN; CRAMPHORN CONRAD ET AL; HARNESS DICKEY AND PIERCE PLC; STEVE ANGELICA; MILA KASAN PATENT DEPT APPLIED BIOSYSTEMS; KILYK AND BOWERSOX PLLC; INVITROGEN C O INTELLEVATE CORP; LIFE TECHNOLOGIES C O INTELLEVATE CORP; JEFFREY L; JONES ROBB PLLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B01J19/00 B01L11/00 B01L3/00 B01L3/02 B01L7/00 B01L9/00 B29C65/00 B29C65/02 B29C65/10 B32B1/08 B32B33/00 B32B37/00 B32B37/02 B65B3/04 B67C3/00 B81B1/00 C07H21/00 C12M1/00 C12M1/14 C12M1/22 C12M1/32 C12M1/34 C12M1/36 C12M1/38 C12M1/42 C12M3/00 C12N15/09 C12N15/10 C12P19/34 C12Q1/68 C40B30/00 C40B30/04 C40B30/10 C40B40/06 C40B60/12 G01J1/10 G01J1/42 G01J3/02 G01N1/10 G01N1/14 G01N15/06 G01N21/00 G01N21/03 G01N21/25 G01N21/63 G01N21/64 G01N31/00 G01N33/00 G01N33/48 G01N33/50 G01N33/68 G01N35/00 G01N35/02 G01N35/04 G01N37/00 G02B7/02 G06F15/16 G06F17/50 G06F19/00 G06F19/20 G06Q10/00 H01L27/146 H01L27/148 H04N5/217 H04N5/225 H04N5/357 H04N5/361 H04N5/367 H04N5/372 (Advanced/Invention);
B01L3/02 B01L7/00 B01L9/00 B01L99/00 C12Q1/68 G01N21/27 G01N35/00 G01N35/04 G01N35/10 (Advanced/Non–invention);
B01L3/00 B01L3/02 B29C65/00 B29C65/02 B29C65/10 B32B1/00 B32B33/00 B32B37/00 B32B37/02 B67C3/00 C12M1/00 C12M1/14 C12M1/26 C12M1/34 C12M1/36 C12M3/00 C12N15/09 C12P19/00 C12Q1/68 C40B30/10 G01J3/00 G01N15/06 G01N21/00 G01N21/25 G01N21/63 G01N21/64 G01N35/00 G01N37/00 G06F15/16 G06F17/50 H01L27/148 H04N5/217 (Core/Invention);
B01L7/00 (Core/Non–invention);
B01L C12N G01N G06F (Subclass/Invention)

International class (IPC 1–7): B01L3/00 C12M1/34 C12P19/34 C12Q1/68 G01N1/10 G01N21/03 G01N21/25 G01N33/00 G01N33/48 G01N33/50 G01N35/00 G06F17/50 G06F19/00

CPC: G01N35/04 B01L2200/0621 B01L2300/0654 B01L2300/0874 B01L2300/0887 C12Q1/6806 B01L3/50857 B01L7/525 B01L2200/027 G01N21/253 B01L2300/0819 C12Q1/6837 H04L51/28 H04L51/12 C12N15/1072 B01L2300/041 B01L2300/12 H04L67/02 G06F17/50 D03C19/005 D03J1/10 D05C15/26 D06P5/003 D06Q1/00 D21F1/0027 G06F2217/32 G06T11/001 H04N5/225 Y10T436/2575 B01L3/0262 B01L3/5085 B01L2200/026 B01L2200/0647 B01L3/0268 B01L3/5088 B01L2200/12 B01L2200/143 B01L2300/0816 B01L2400/0439 G01N35/1016 G01N2035/1034 Y10T436/10 G01N21/6486 G01N35/0099 G01N35/1002 G01N2035/00287 G01N2035/1039 Y10T156/171 Y10T156/1744 Y10T156/1052 Y10T428/14 Y10T428/1476 G01N2201/121 G01N2201/08 G01N2201/062 G01N2201/06113 H04N5/357 G06F19/20 C40B30/04 B01L2300/087 B01L2300/0809 B01L2400/082 B01L2200/142 B01L2300/021 B01L2300/1883 B01L3/545 B01L2200/14 B32B33/00 G01N2035/042 G01N2035/00366 G01N21/6428 H04N5/361 H04N5/367 G01N35/1074 B01L2200/0684 G01N35/028 B01L3/0293 B01L3/5025 B01L3/5027 B01L3/502707 B01L3/502715 B01L3/502723 B01L3/50851 B01L3/50853 B01L7/52 B01L9/50 B01L9/523 B01L2200/021 B01L2200/025 B01L2200/0605 B01L2200/0642 B01L2300/022 B01L2300/044 B01L2300/046 B01L2300/0829 B01L2300/0851 B01L2300/0864 B01L2300/1805 B01L2400/0406 B01L2400/0409 B01L2400/0487 G01N21/274 G01N21/553 G01N21/6452 G01N2035/00148 G01N2035/00356 G01N2035/0405 G01N2035/0425 G01N2035/1037 B01L3/563 B01L2200/0689 B32B38/10 B32B2038/047 C12Q1/6816 G01N21/648 C12Q1/686 G01N21/27 G01N21/64 G06F19/366

European class: B01L3/00C2D B01L3/00C6M6 B01L3/02D10 B01L3/02D6 B01L3/02H2 B01L3/5025 B01L3/5027 B01L3/5027B B01L3/5027C B01L3/5085 B01L3/50851 B01L3/50853 B01L3/50857 B01L3/563 B01L7/52 B29C65/48 B29C66/534 B29C66/81267 B29C66/81455 B29C66/8266 C12Q1/68A4 C12Q1/68D2C C12Q1/68D2C+545/113+545/101 C40B30/04 D03C19/00 D03J1/10 D05C15/26 D06P5/00T D06Q1/00 D21F1/00E G01N21/25B2 G01N21/64H G01N21/64P2 G01N21/64P8 G01N21/64R G01N33/68A G01N33/68A10 G01N33/68V2 G01N35/02P G01N35/04 G01N35/10C3 G01N35/10M5 G06F17/50 G06F19/20 G06T11/00C H04L12/58 H04L29/08N1 H04N5/361 H04N5/367 L01L200/02A L01L200/02C L01L200/02D L01L200/02D2 L01L200/06A L01L200/06D L01L200/06H L01L200/06J L01L200/06M L01L200/06N L01L200/12 L01L200/14B L01L200/14C L01L3/02D6 L01L3/02H2 L01L3/5025 L01L3/5027 L01L3/5027A L01L3/5027B L01L3/50851

L01L3/50853 L01L3/50857 L01L3/5088 L01L300/02A L01L300/02A2 L01L300/04A L01L300/04A6 L01L300/04B L01L300/06B6 L01L300/08B12 L01L300/08B4 L01L300/08B6 L01L300/08D2 L01L300/08E2 L01L300/08E8 L01L300/08F L01L300/12 L01L300/18A L01L300/18G L01L400/04F10U L01L400/04F2 L01L400/04F4 L01L400/04M8 L01L7/52 L01L7/525 L01L9/50 L01L9/523 L29C65/48B2B L29C65/48B2F M12Q1/68B10A M12Q1/68D4 S01N21/27E S01N21/55B2 S01N35/00C7C S01N35/00D7A S01N35/00E1 S01N35/00E1A S01N35/00R S01N35/02P S01N35/04A1B S01N35/04A4C S01N35/10A S01N35/10F4 S01N35/10F4A S01N35/10F4B S01N35/10M5 S06F217/32

US class: 1/1 141/1 141/130 141/1P 156/250 156/250S 156/499 156/499S 156/542 156/556 156/556S 250/208.1 250/208.100P 250/234 250/234P 250/252.1 250/370.08 250/453.11 250/453.110P 250/458.1 250/459.1 348/241 348/250 348/E05.081 348/E5.081 356/218 356/219 356/236 356/236P 356/243.1 356/243.100P 356/246 356/246P 356/307 356/317 356/318 356/414 356/414P 356/417 356/418 359/811 359/819 359/822 359/823 359/824 422/100 422/100P 422/100S 422/102 422/103 422/104 422/109 422/400 422/400P 422/400S 422/501 422/502 422/503 422/504 422/504P 422/507 422/509 422/509P 422/520 422/520S 422/521 422/521S 422/552 422/552P 422/63 422/63P 422/82.12 422/99 422/99P 422/99S 428/40.1 428/40.100 428/40.100P 428/41.8 428/41.800P 435/287.1 435/287.2 435/287.200 435/287.200S 435/287.9 435/288.4 435/288.7 435/289.1 435/294.1 435/303.1 435/303.100S 435/305.3 435/305.300P 435/6 435/6.1 435/6.100S 435/6.11 435/6.110P 435/6.110S 435/6.12 435/6.120P 435/6.14 435/6.140P 435/6.16 435/6.160P 435/6.18 435/6.180P 435/6.19 435/6.190P 435/6P 435/6S 435/91.1 435/91.100 435/91.100P 435/91.2 435/91.200 435/91.200P 435/91.200S 436/180 436/180P 436/180S 436/8 436/8P 506/12 506/12P 506/16 506/16S 506/37 506/38 506/39 506/39P 506/7 506/7P 506/9 506/9P 536/25.3 536/25.300 536/25.300S 702/19 702/19P 702/20 702/20P 702/20S 702/85 705/7.12 709/206

Classification Explorer

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Abstract:
Source: US2005112634A Methods for amplifying polynucleotides, e.g., by PCR, in a sample comprising polynucleotide targets present at very low concentration, comprising: (a) applying amplification reactants to the surface of a substrate comprising reaction spots, wherein the reactants comprise the sample and an amplification reagent; (b) forming a sealed reaction chamber, having a volume less than about 120 nanoliters, preferably less than about 20 nanoliters, over each of said reaction spots; and (c) thermal cycling the substrate and reactants. In one embodiment, the forming step comprises loading a sealing fluid, e.g., mineral oil, on the surface so as to cover the reaction spots. The present invention also provides microplates, comprising: (a) a substrate having at least about 10,000 reaction spots, each comprising a primer and a droplet of reagent having a volume less than about 120 nanoliters, preferably less then about 20 nanoliters; and (b) a sealing liquid isolating each of the spots.

0) US2005151117A – METHODS FOR WASHING AND PROCESSING FRUITS, VEGE...

5) Family number: 32088897 (US2005151117A) © PatBase

Title: METHODS FOR WASHING AND PROCESSING FRUITS, VEGETABLES, AND OTHER PRODUCE WITH MEDIUM CHAIN PEROXYCARBOXYLIC ACID COMPOSITIONS

Priority:

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Inventor(s): ALTIER MARK ; LENTSCH STEVEN ; MAGNUSON JOSHUA P ST PAUL ; LENTSCH STEVEN E ST PAUL ; TARARA JAMES ; MAN VICTOR F ST PAUL ; PEITERSEN NATHAN ; NELSON THOMAS ; FASCHING GINA ; BARCAY S ; MAGNUSON JOSHUA PUS ; MAN VICTOR ; MAN VICTOR FUS ; MATTS EMORY

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8−9): A01N25/00 A01N25/02 A01N25/04 A01N25/22 A01N25/30 A01N31/02 A01N37/00 A01N37/02 A01N37/16 A01N59/00 A01P1/00 A01P3/00 A01P7/04 A22C21/00 A23B4/12 A23B4/20 A23B4/24 A23B4/30 A23B7/154 A23B7/157 A23L1/00 A23L1/314 A23L1/315 A23L13/40 A23L13/50 A23L3/34 A23L3/3463 A23L3/3508 A23L3/358 A61K31/19 A61K31/20 A61K31/327 A61K33/40 A61K33/42 A61K45/06 A61K9/66 A61L2/18 A61L2/22 A61L2/23 A61L2/235 B08B3/00 C01B11/00 C01B15/10 C02F1/50 C02F1/72 C07C407/00 C07C409/00 C09K3/00 C11D1/12 C11D1/14 C11D1/22 C11D1/72 C11D1/722 C11D1/75 C11D1/83 C11D17/08 C11D3/04 C11D3/20 C11D3/34 C11D3/36 C11D3/39 C11D3/48 C11D7/38 C11D7/60 C11D9/42 (Advanced/Invention); A01N25/00 A01N25/16 A01N37/00 A01N39/00 A01N59/20 A61K31/327 A61L2/18 A61P31/04 C11D1/72 (Advanced/Non−invention); A01N25/00 A01N25/02 A01N25/04 A01N25/30 A01N37/00 A01N37/02 A01N37/16 A01N59/00 A01P1/00 A01P3/00 A01P7/04 A22C21/00 A23B4/12 A23B4/14 A23B4/26 A23B7/14 A23L1/315 A23L3/34 A23L3/3454 A23L3/3463 A61K31/185 A61K31/327 A61K33/40 A61K33/42 A61K45/00 A61K9/52 A61L2/16 A61L2/18 A61L2/22 C01B11/00 C02F1/50 C02F1/72 C07C407/00 C07C409/00 C09K3/00 C11D1/02 C11D1/72 C11D1/722 C11D1/75 C11D1/83 C11D17/08 C11D3/04 C11D3/20 C11D3/34 C11D3/36 C11D3/39 C11D3/48 C11D9/04 (Core/Invention); A01N25/00 A01N37/00 A01N39/00 A01N59/16 A61K31/327 A61P31/00 C11D1/72 (Core/Non−invention)

International class (IPC 1−7): A01N37/16 A22C21/00 A23B4/20 A23B4/24 A23B4/30 A23B7/154 A23B7/157 A23K1/00 A23L1/00 A23L3/3508 A61K31/19 A61K33/40 A61L2/18 C01B11/00 C09K3/00 C11D3/00 C11D9/42

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US class: 119/650 119/651 119/652 134/22.1 134/22.11 134/27 134/27P 134/28 134/29 134/3 134/34 134/42 134/42S 210/759 210/764 210/764S 252/186.1 252/186.100P 252/186.23 252/186.26 252/186.41 422/1 422/12 422/17 422/28 422/29 422/31 424/405 424/455 424/601 424/613 424/616 424/616P 426/332 426/332P 426/335 426/335S 426/641 426/644 426/646 426/652 510/109 510/109S 510/161 510/161S 510/218 510/218S 510/278 510/278S 510/310 510/310S 510/311 510/311S 510/375 510/375S 510/491 510/499 510/505 514/557 514/557S 514/558 514/714

Classification Explorer

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Abstract:
Source: US2005151117A The present invention relates to methods employing compositions including medium chain peroxycarboxylic acid for reducing microbial contamination on fruit, vegetable, or other produce; in waters used to transport or process fruit, vegetable, or other produce; or on surfaces employed in transporting or processing fruit, vegetable, or other produce. The present invention also relates to the medium chain peroxycarboxylic acid compositions. The methods include applying a medium chain peroxycarboxylic acid composition to fruit, vegetable, or other produce; into waters used to transport or process fruit, vegetable, or other produce; or to surfaces employed in transporting or processing fruit, vegetable, or other produce.

0) US2005139552A – PORTABLE, POTABLE WATER RECOVERY AND DISPENSING...

6) Family number: 31846369 (US2005139552A) © PatBase

Title: PORTABLE, POTABLE WATER RECOVERY AND DISPENSING APPARATUS

Priority:
AU20020244146 20020225 AU20050200750 20050218 CA20022477276 20020225
US20020505535 20020225 US20060464132 20060811 US20080124053 20080520
US20040505535 20040823 WO2002US05636 20020225 CA20022614643 20020225

Family:

Publication number	Publication date	Application number	Application date
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AU2002244146 AA	20030909	AU20020244146	20020225
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US2007039345 AA	20070222	US20060464132	20060811
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VN5359 A1	20060126	VN20040000961	20020225
WO03073029 A1	20030904	WO2002US05636	20020225

Probable Assignee: WORLDWIDE WATER LLC

Assignee(s):(std)**:** COLBERT CLAYTON ; FORSBERG FRANCIS C ; GLOBAL WATER CO ; WORLDWIDE WATER L L C ; WORLDWIDE WATER LLC

Assignee(s): FRANCIS C FORSBERG ; CLAYTON COLBERT

Inventor(s):(std)**:** CLAYTON COLBERT ; COLBERT CLAYTON ; FORSBERG FRANCIS ; FORSBERG FRANCIS C ; FOSBOGER F C ; FRANCIS C FORSBERG ; KOLBURT C

Inventor(s): F C FOSBOGER ; FC FOSBOGER ; C KOLBURT

Agent(s): PHILLIPS ORMONDE FITZPATRICK; OSLER HOSKIN AND HARCOURT LLP; LOVEN KEITH JAMES; DR MARK FRIEDMAN LTD; SHAMOTO ICHIO; CHIBA AKIO; MASUI CHUJI; KOBAYASHI YASUSHI; TOMITA HIROYUKI; MIYAMAE TORU; COX AND SMITH INC; COX SMITH MATTHEWS INC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): B01D61/02 B67D5/62 B67D7/80 C02F1/04 C02F1/18 C02F1/28 C02F1/32 C02F1/44 C02F1/68 C02F1/78 C02F9/00 C02F9/08 E03B11/02 E03B3/28 E03B7/07 F24F1/02 F25B21/02 F25D11/00 F25D17/04 F25D17/06 F25D21/00 F25D21/14 F25D23/00 F25J3/00 (Advanced/Invention);
C02F1/04 C02F1/28 C02F1/32 C02F1/44 F25D11/00 F25D17/06 (Advanced/Non–invention);
F25D11/00 F25D17/06 (Core/Invention)

International class (IPC 1–7): B01D61/02 C02F1/04 C02F1/18 C02F1/28 C02F1/32 C02F1/44 C02F1/48 C02F1/68 C02F1/78 C02F9/00 E03B11/02 E03B3/28 E03B7/07 F25D11/00 F25D17/06 F25D23/00

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European class: B01D5/00B B01D5/00H14 B01D5/00H16 C02F9/00B E03B3/28 F24F1/02B1 F24F1/02B3 M02F1/00D M02F1/00T M02F1/28D M02F1/32 M02F1/44 M02F1/44B M02F1/68 M02F1/78 M02F101/20 M02F101/30 M02F201/00M M02F201/322H M02F201/322R M02F209/00T M02F209/40 M02F209/42 M02F209/44 M02F301/04D R25C1/00

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ES2379326, ES2307355, EP3120907, CN104813107, CN104787957, CN103890514, CN103237943, CN102345306, CN102312464,

Abstract:
Source: US2005139552A A portable, potable−water generator for producing high−purity liquid water by condensation of water vapor from ambient air. The generator (125) employs an air filter (119) to remove particulates and aerosols from the incoming air. An enclosed heat absorber cools the filtered air to its dew point and collects droplets of condensate into a condensate collector (5). Before discharge, the collected dew is treated in a bacteriostat loop to destroy adventitious living organisms and to filter out undesirable and dangerous contaminants. A recirculation loop provides the ability to recirculate stored condensate, including during periods of inactivity. Further, quick disconnect fittings (55 b) and variable length flexible tubing allows use of the invention to serve remote dispensers and/or appliances and allow use of municipal water treated through the apparatus in low condensate situations.

0) US2015367415A – APPARATUSES, SYSTEMS AND METHODS FOR THREE–DIME...

7) Family number: 60268906 (US2015367415A) © PatBase

Title: APPARATUSES, SYSTEMS AND METHODS FOR THREE–DIMENSIONAL PRINTING

Priority:
GB20150011565 20150619 US20140015230P 20140620 US20140063867P 20141014
US20140028760P 20140724 US20150168699P 20150529 US20150136378P 20150320
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Family:

Publication number	Publication date	Application number	Application date
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US2015367416 AA	20151224	US20150744910	20150619
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US2015367418 AA	20151224	US20150744988	20150619
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US2017021420 AA	20170126	US20160288251	20161007
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US9486878 BB	20161108	US20150745032	20150619
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US9586290 BB	20170307	US20160085884	20160330
WO15196149 A1	20151223	WO2015US36802	20150619

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Assignee(s):(std)**:** VELO3D INC

Assignee(s): MILSHTEIN EREL ; SEELINGER SHERMAN ; SYMEONIDIS KIMON ; BULLER BENYAMIN ; CHUA THAI CHENG

Inventor(s):(std)**:**

BENYAMIN BULLER ; BULLER BENYAMIN ; CHUA THAI CHENG ; MILSHTEIN EREL ; EREL MILSHTEIN ; KIMON SYMEONIDIS ; SEELINGER SHERMAN ; SYMEONIDIS KIMON ; SHERMAN SEELINGER ; THAI CHENG CHUA

Agent(s): GOWLING WLG CANADA LLP; D YOUNG AND CO LLP; WILSON SONSINI GOODRICH AND ROSATI; ALEMOZAFAR ALI ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B22F3/00 B22F3/105 B22F3/24 B22F5/00 B22F7/00 B22F7/02 B23K10/00 B23K10/02 B23K15/00 B23K15/02 B23K26/08 B23K26/12 B23K26/144 B23K26/16 B23K26/22 B23K26/32 B23K26/34 B23K26/342 B23K26/346 B23K26/70 B23K9/00 B28B1/00 B28B17/00 B29C67/00 B32B37/24 B33Y10/00 B33Y30/00 B33Y40/00 B33Y50/02 B33Y70/00 B33Y80/00 C04B35/52 C04B35/56 C04B35/565 C04B35/64 C22C38/00 C22C38/02 C22C38/44 C22C38/58 H05B6/68 H05B6/80 (Advanced/Invention); B22F7/00 B28B1/00 B29K105/00 B33Y10/00 B33Y30/00 B33Y40/00 B33Y50/02 B33Y70/00 (Advanced/Non–invention)

CPC: B28B17/0072 B28B17/0081 B22F2003/1057 C22C38/58 C22C38/44 C22C38/02 B23K26/123 B22F3/105 B22F7/00 C04B35/64 B33Y10/00 B33Y30/00 B33Y50/02 B22F7/02 B33Y80/00 B23K15/0086 B23K10/027 B23K26/342 B23K26/144 B23K26/16 B23K26/70 B23K15/0093 B23K26/32 B23K2203/52 B22F2003/1058 B22F2003/1056 B22F2003/1059 B23K2203/50 B23K26/22 B28B1/001 C22C38/00 Y02P10/295 B22F3/24 B23K26/702 B23K26/0853 B23K15/002 B23K15/02 B22F2003/248 B22F2998/10 B29C67/0096 B29C67/0085 B29C67/0092 B29K2105/251 B33Y40/00 B33Y70/00 C04B35/522 C04B35/5626 C04B35/565 C04B2235/6026 B22F3/004 B22F3/003 B23K15/0026 B23K10/006 H05B6/80 H05B6/68 B22F2003/1054 B23K26/345 B22F5/00 B23K26/1224 B22F3/1055 B23K26/346 B29C64/153 B29C64/20 B29C64/35 B29C64/386 B29C64/40 B29C67/0077 B29C67/0088

US class: 1/1 219/74 219/76.12 264/109 264/497 264/653 419/29 419/53 419/55 425/162 425/166 425/174.4 425/78

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Abstract:
Source: US2015367415A The present disclosure provides three−dimensional (3D) objects, 3D printing processes, as well as methods, apparatuses and systems for the production of a 3D object. Methods, apparatuses and systems of the present disclosure may reduce or eliminate the need for auxiliary supports. The present disclosure

provides three dimensional (3D) objects printed utilizing the printing processes, methods, apparatuses and systems described herein.

0) US2002028288A – LONG LASTING COATINGS FOR MODIFYING HARD SURFAC...

8) Family number: 32681415 (US2002028288A) © PatBase

Title: LONG LASTING COATINGS FOR MODIFYING HARD SURFACES AND PROCESSES FOR APPLYING THE SAME

Priority:

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International class(IPC 8–9)**:** A47L13/51 B01D27/08 B01J35/02 B01J39/04 B01J41/04 B01J41/14 B01J47/00 B01J47/02 B01J47/04 B05B1/18 B05B17/00 B05B9/01 B05D1/04 B05D3/00 B05D3/02 B05D5/00 B05D7/14 B05D7/24 B08B3/00 B08B3/02 B08B3/04 B08B3/08 B08B7/04 B32B27/20 B60S1/66 B60S3/00 B60S3/04 C02F1/00 C02F1/42 C04B41/50 C08K3/34 C09C1/42 C09C3/00 C09D1/00 C09D1/04 C09D129/06 C09D133/02 C09D133/08 C09D201/00 C09D5/00 C09D5/02 C09D7/12 C09G1/04 C09K3/00 C11D1/62 C11D1/72 C11D1/76 C11D11/00 C11D17/00 C11D3/00 C11D3/08 C11D3/12 C11D3/14 C11D3/37 C11D7/22 F16K11/074 (Advanced/Invention);
C02F1/42 (Advanced/Non–invention);
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Abstract:
Source: US2002028288A Materials for coating, coating compositions, methods and articles of manufacture comprising a nanoparticle system or employing the same to impart surface modifying benefits for all types of inanimate hard surfaces are disclosed. In some embodiments, dispersement of nanoparticles in a suitable carrier medium allows for the creation of coating compositions, methods and articles of manufacture that create multi−use benefits to modified hard surfaces. These surface modifications can produce long lasting or semi−permanent multi−use benefits that include at least one of the following improved surface properties: wetting and sheeting, quick drying, uniform drying, soil removal, self−cleaning, anti−spotting, anti−soil deposition, cleaner appearance, enhanced gloss, enhanced color, minor surface defect repair, smoothness, anti−hazing, modification of surface friction, release of actives and transparency, relative to hard surfaces unmodified with such nanoparticle systems. Actively curing the coating composition on the hard surfaces, including, but not limited to by radiative heating the air surrounding the hard surface with the coating thereon can be used to increase the durability of the hard surface coating.

0) US5669221A – PORTABLE, POTABLE WATER RECOVERY AND DISPENSING...

9) Family number: 29378759 (US5669221A) © PatBase

Title: PORTABLE, POTABLE WATER RECOVERY AND DISPENSING APPARATUS

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Probable Assignee: WORLDWIDE WATER INC

Assignee(s):(std)**:** GLOBAL WATER INC ; WORLDWIDE WATER INC ; WORLDWIDE WATER ; WOLLMANN DAN D

Assignee(s): WORLDWIDE WATER INC US ; WORLD WIDE WATER INC ; DROUGHT MASTERS INC ; FORSBERG FRANCIS C ; LEBLEU MR TERRY LYLE ; LEBLEU STEPHEN M ; LEBLEU STEPHEN M SUITE ; LEBLEU TERRY LYLE ; LOU O HARDING

Inventor(s):(std)**:** LEBLEU MILAN STEPHEN ; TERRY L LEBLEU ; WOLLMANN DAN D ; LEBLUE TERRY L ; LEBLEU TERRY LYLE ; LEBLEU TERRY L ; LEBLEU TERRY ; LEBLEU STEPHEN M ; FUSBURG FRANCIS C ; FORSBERQ FRANK C ; FORSBERG FRANK CHANDLER ; FORSBERG FRANK C ; FORSBERG FRANCIS C ; BLEU LE TERRY LYLE ; BLEU LE MILAN STEPHEN ; TURRY LAIER LUBULER ; TURRY ; LAIER LUBULER ; FRANK C FORSBERG ; FRANCISC C FOSBERG ; FRANCIS C FUSBURG

Inventor(s): FRANCIS C FORSBERG ; TERRY LYLE LEBLEU ; STEPHEN M LEBLEU ; FRANK C FORSBERQ

Agent(s): SMART AND BIGGAR; SARGENT; REINHOLD COHN AND PARTNERS

Designated states: AT AU BE BR CA CH CN CY DE DK ES FI FR GB GR IE IL IT JP KR LI LU MC MX NL NZ PL PT RO SE SG TR

International class (IPC 8–9): B01D5/00 C02F1/00 C02F1/18 C02F9/00 E03B3/28 F25B29/00 F25B49/00 F25C1/00 F25D17/00 F25D17/06 F25D21/14 F25D3/10 F28B9/08 (Advanced/Invention); C02F1/28 C02F1/32 C02F1/36 C02F1/78 (Advanced/Non–invention); B01D5/00 C02F1/00 C02F9/00 E03B3/00 F24D19/03 F25D17/06 (Core/Invention); C02F1/28 C02F1/32 C02F1/34 C02F1/78 F25B49/00 (Core/Non–invention)

International class (IPC 1–7): B01D37/00 B01D5/00 B01D63/00 B67D3/00 C02F1/00 C02F1/18 C02F1/28 C02F1/32 C02F9/00 E03B3/28 F24D19/03 F25B49/00 F25C1/00 F25D17/00 F25D17/06 F25D21/14 F25D3/10 F28B9/08

CPC: Y02W10/37 C02F1/001 C02F9/005 B01D5/0072 C02F1/008 C02F1/283 C02F1/32 C02F1/36 C02F9/00 C02F2201/009 C02F2209/008 C02F2209/02 C02F2209/40 C02F2209/42 E03B3/28 C02F1/78

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Forward Citations: WO9943997, WO9812489, WO17003296, WO16111941, WO14048399, WO13169841, WO12162545, WO12162545, WO12120501, WO12092187, WO11146428, WO11146428, WO11134426, WO11117841, WO10146443, WO10144603, WO09045168, WO09032455, WO08070900, WO08027041, WO07062904, WO07012202, WO06090276, WO06076831, WO06052250, WO06029540, WO06004553, WO05119139, WO05119139, WO05116549, WO05116549, WO05100257, WO05060686, WO05060686, WO05057114, WO04094317, WO04094317, WO04067857, WO04052793, WO04052793, WO04028290, WO04020919, WO03078334, WO03073029, WO03064314, WO03052209, WO0227250, WO02094725, WO02094725, WO0204343, WO0184066, WO0163059, WO0130703, WO0113475, WO0113053, WO0014464, USRE44337, USRE42907, USD729342, USD729341, USD727458, USD707124, US9708113, US9707307, US9694488, US9656383, US9643768, US9617719, US9581356, US9578867, US9572454, US9561451, US9538581, US9533894, US9487414, US9446968, US9428326, US9416029, US9392646, US9389129, US9374991, US9366388, US9346687, US9316408, US9310113, US9290890, US9274020, US9266752, US9247725, US9237742, US9216914, US9212067, US9200909, US9200831, US9179703, US9115920, US9115007, US9111324, US9057557, US9046299, US9034180, US8999154, US8975596, US8952301, US8943844, US8906242, US8900459, US8878103, US8872130, US8840729, US8839631, US8828222, US8816300, US8788380, US8781736, US8764910, US8758677, US8756857, US8721898, US8720217, US8720109, US8718819, US8718817, US8685144, US8683821, US8673136, US8652412, US8650892, US8647501, US8640360, US8633425, US8627673, US8626440, US8607583, US8580351, US8549871, US8535489, US8516832,

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Abstract:
Source: US5669221A A portable, potable−water generator for producing high−purity liquid water by condensation

of dew from ambient air. The generator employs filtration subsystems to remove particulates and aerosols from the incoming air. An enclosed heat absorber cools the filtered air to its dew point and collects droplets of condensate into a closed system. The collected dew is further continually treated in a bacteriostat loop to destroy adventitious living organisms and to filter out undesirable and dangerous contaminants. All the subsystems are failsafe–interlocked to disable the generator immediately and prevent delivery of water if any one of them stops functioning within predetermined safe limits.

10) Family number: 28375364 (US2003035748A) © PatBase

Title: UNCOMPLEXED CYCLODEXTRIN COMPOSITIONS FOR ODOR AND WRINKLE CONTROL

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: PROCTER AND GAMBLE

Assignee(s):(std)**:** BURNS ANTHONY JAMES ; CAMPBELL WILLIAM TUCKER ; CHUNG ALEX HAEJOON ; COBB DANIEL SCOTT ; PROCTER AND GAMBLE ; NOGAMI MASAE ; MITSUNAKA KIMIKO ; PROCTER AND GAMBLE CELLULOSE ; SCHNEIDERMAN EVA ; ROSELLE BRIAN JOSEPH ; SREUTKER ALEN DAVID ; THE PROCTER AND GAMBLE COMPANY ; TRINH TOAN ; WOLFF ANN MARGARET ; WARD THOMAS EDWARD ; WOO RICKY AH MA

Assignee(s): WOO RICKY AH MAN ; BOLICH RAYMOND EDWARD ; BOLICH RAYMOND EDWARD JR ; STREUTKER ALEN DAVID ; ROSENBALM ERIN LYNN ; TORDIL HELEN BERNARDO ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO ; THE PROCTER AND GAMBLE CELLULOSE COMPANY AN OHIO CORP ; REECE STEVEN ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; THE PROCTER AND GAMBLE CO ; PRCOTER AND GAMBLE CO ; PEFFLY MARJORIE MOSSMAN ; MERMELSTEIN ROBERT ; PROCTER AND GAMBLE CO ; PROTER AND GAMBLE CO ; PROCTER GAMBLE CO ; PROCTER AND GAMBLE CELLULOSE CO AN OHIO ; PROCTER AND GAMBLE CELLULOSE CO

Inventor(s):(std)**:** WOO RICKY AH MA ; WOO RICKY AH MAN ; WOO RICKY AH MAH ; WOO RICKY AH ; WOO R A M ; WOO AH MA ; WOLFF MARGARET ; WILLIAN TUCKER CAMPBELL ; WILLIAM TUCKER CAMPBELL ; WARD EDWARD ; TRINH T ; TORDIL HELEN BERNARDO ; TORDIL BERNARDO ; TORDH HELEN BERNARDO ; TOAN TRINH ; TOAN NMN TRINH ; THOMAS EDWARD WARD ; CHUNG ALEX HAEJOON ; COBB DANIEL SCOTT ; ROSELLE BRIAN JOSEPH ; SCHNEIDERMAN EVA ; SREUTKER ALEN DAVID ; TRINH TOAN ; WARD THOMAS EDWARD ; WOLFF ANN MARGARET ; STREUTKER DAVID ; STREUTKER ALEN DAVID ; STREUTHER ALEN DAVID ; STEVEN REECE ; SCOTT DANIEL ; ROSENBALM LYNN ; ROSENBALM ERIN LYNN ; ROSENBALM ERIN LYN ; ROSENBALM ERIN L ; ROBERT MERMELSTEIN ; RICKY AH MA WOO ; REECE STEVEN ; RAYMOND EDWARD BOLICH JR ; RAYMOND EDWARD BOLICH ; PEFFLY MOSSMAN ; PEFFLY MARJORIE MOSSMAN ; NOGAMI MASAE ; MITSUNAKA KIMIKO ; MERMELSTEIN ROBERT ; BURNS ANTHONY JAMES ; CAMPBELL WILLIAM TUCKER ; MARJORIE MOSSMAN PEFFLY ; COBB SCOTT ; COBB D S ; CHUNG HAEJOON ; CAMPBELL WILLIAN TUCKER ; CAMPBELL TUCKER ; CAMBELL WILLIAM TUCKER ; BURNS JAMES ; BOLICH RAYMOND EDWARD JR ; BOLICH RAYMOND EDWARD ; BOLICH JR RAYMOND EDWARD ; BOLICH EDWARD ; ANTHONY JAMES BURNS ; ANN MARGARET WOLFF ; ALEX HAEJOON CHUNG ; ALEN DAVID STREUTKER ; ALEN DAVID SREUTKER ; JR RAYMOND EDWARD BOLICH ; HELEN BERNARDO TORDIL ; EVASCHNEIDERMAN ; EVA SCHNEIDERMAN ; ERIN LYNN ROSENBALM ; DANIEL SCOTT COBB

Inventor(s): D S COBB ; BRIAN JOSEPH ROSELLE ; KIMIKO MITSUNAKA ; CHUNG ; MASAE NOGAMI ; R A M WOO ; WOLFF ANNMARGARET ; T TRINH

Agent(s): PHILLIPS ORMONDE FITZPATRICK; KIRBY EADES GALE BAKER; HARNECKER; MARK A; BRENT M

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

International class (IPC 8–9): A01N43/04 A01N47/44 A22C17/08 A22C21/00 A23N12/02 A23P1/00 A61K31/71 A61K31/715 A61K31/724 A61K6/00 A61K8/33 A61K8/34 A61K8/35 A61K8/37 A61K8/40 A61K8/49 A61K8/73 A61K8/92 A61L2/18 A61L9/01 A61L9/014 A61L9/12 A61L9/14 A61L9/16 A61Q13/00 A61Q15/00 C08B37/16 C08L5/16 C11B9/00 C11D1/00 C11D1/82 C11D17/04 C11D3/02 C11D3/22 C11D3/33 C11D3/37 C11D3/48 C11D3/50 D06F58/20 D06M13/00 D06M13/10 D06M15/03 D06M15/11 D06M16/00 D06M23/06 (Advanced/Invention); A22C21/00 A23P1/00 A61Q15/00 C11D3/22 (Advanced/Non–invention); A61K31/71 A61K31/716 A61K6/00 A61K8/30 A61K8/72 A61K8/92 A61L9/01 A61L9/14 A61L9/16 A61Q13/00 A61Q15/00 C08L5/00 C11B9/00 C11D1/00 C11D1/82 C11D17/04 C11D3/22 C11D3/26 C11D3/37 C11D3/48 C11D3/50 D06F58/20 D06M13/00 D06M15/01 D06M16/00 D06M23/00 (Core/Invention); A61L B05C C08B C08L (Subclass/Invention)

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US class: 106/205.01 106/205.1 222/251 222/251S 252/8.61 252/8.610S 252/8.81 252/8.810S 252/8.91 252/8.910S 422/5 422/5P 424/401 424/488 424/76.1 424/76.100S 424/76.2 424/76.21 424/76.4 424/76.8 510/101 510/293 510/319 510/383 510/386 510/405 510/406 510/462 510/470 510/513 514/58 514/58P 536/103 536/123 536/124

Classification Explorer

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Forward Citations: WO9955953, WO9955952, WO17005517, WO17004282, WO17004281, WO16106168, WO16106167, WO16081295, WO16072939, WO16049458, WO16049455, WO16049396, WO15119813, WO15065809, WO15065805, WO15054463, WO14151555, WO14151171, WO14093748, WO14093747, WO14085214, WO14014861, WO13176288, WO13163170, WO13148716, WO13139686, WO13039963, WO13033482, WO13016031, WO13016030, WO12154805, WO12154802, WO12153321, WO12101241, WO12097034, WO12097033, WO12078208, WO12001078, WO11163428, WO11163371, WO11163112, WO11127102, WO11112910, WO11112886, WO11109319, WO11100500, WO11100420, WO11100411, WO11100405, WO11084568, WO11084463, WO11084377, WO11084322, WO11075378, WO11034997, WO11034765, WO11031712, WO11011587, WO11011247, WO11002872, WO08119607, WO08017820, WO07087937, WO07075821, WO07075821, WO07070490, WO07014152, WO06113658, WO06100260, WO06100260, WO06088980, WO05103214, WO05103214, WO05044206, WO04018765, WO03102291, WO03102291, WO03099981, WO03083204, WO03083031, WO03074188, WO03070871, WO03066791, WO03020231, WO03020231, WO03016446, WO03015835, WO03011350, WO03011350, WO0240623, WO0240623, WO0234225, WO0233039, WO0232459, WO0232459, WO0216535, WO0216535, WO0208374, WO0208373, WO02068751, WO02068751, WO0206437, WO02062934, WO0188076, WO0187360, WO0187360, WO0161102, WO0161102, WO0161100, WO0161100, WO0134213, WO0116266, WO0116266, WO0116265, WO0116265, WO0116264, WO0116264, WO0107710, WO0067721, WO0055292, WO0049120, WO0031229, WO0030691, WO0030601, WO0030600, WO0030599, WO0024857, WO0024857, WO0024853, WO0024853, WO0024851, WO0024851, US9714401, US9713329, US9675069, US9642356, US9550962, US9549886, US9458414, US9421793, US9393336, US9381142, US9353282, US9320288, US9267193, US9226641, US9222055, US9200241, US9198845, US9157183, US9156809, US9114180, US9074106, US9055849, US9040024, US9023304, US9011829, US8992889, US8957009, US8926997, US8895493, US8889610, US8871186, US8828917, US8750693, US8741275, US8632636, US8629094, US8629092, US8598106, US8580728, US8575085, US8546355, US8507564, US8501308, US8465728, US8461089, US8398721, US8357359, US8334343, US8334248, US8277725, US8178484, US8158572, US8148466, US8147651, US8129450, US8101124, US8091253, US8080507, US8022026, US8012554,

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Abstract:
Source: US2003035748A The present invention relates to a stable, aqueous odor−absorbing and wrinkle controlling composition, preferably for use on inanimate surfaces, especially fabrics. The composition comprises from about 0.1 percent to about 20 percent, by weight of the composition, of solubilized, water−soluble, uncomplexed cyclodextrin and an effective amount of at least one ingredient to improve the performance of the composition selected from the group consisting of: (1) cyclodextrin compatible surfactant; (2) cyclodextrin compatible antimicrobial active; and (3) mixtures thereof. The composition also comprises a wrinkle control agent which is fabric lubricant, shape retention polymer, hydrophilic plasticizer, lithium salt, or mixtures thereof. Hydrophilic perfume improves acceptance. Optionally, the composition can contain low molecular weight polyols; metallic salts to help control odor; a humectant, etc. The composition is essentially free of any material that would soil or stain fabric. The composition is preferably applied as small particle size droplets, especially from spray containers. The cyclodextrin/surfactant combination, either alone, or in combination with the other ingredients, provides improved antimicrobial activity.

0) US2011301070A – CONCENTRATED FILM DELIVERY SYSTEMS

11) Family number: 50078768 (US2011301070A) © PatBase

Title: CONCENTRATED FILM DELIVERY SYSTEMS

Priority: US20100793492 20100603 US20120494862 20120612 US20120494875 20120612

Family:

Publication number	Publication date	Application number	Application date
AR081557 AA	20121003	AR2011P101888	20110601
AR096404 AB	20151230	AR2014P102048	20140523
US2011301070 AA	20111208	US20100793492	20100603
US2012258901 AA	20121011	US20120494862	20120612
US2012258902 AA	20121011	US20120494875	20120612
US8232238 BB	20120731	US20100793492	20100603
US8551933 BB	20131008	US20120494875	20120612
US8809250 BB	20140819	US20120494862	20120612
WO11153023 A1	20111208	WO2011US37696	20110524

Probable Assignee: CLOROX CO

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Assignee(s): THE CLOROX COMPANY

Inventor(s):(std)**:** DIAZ JESSICA ; FALK NANCY ; GARABEDIAN ARAM ; GARABEDIAN JR ARAM ; JOHNSON KAJ ; OCHOMOGO MARIA ; PARRISH BRYAN ; KNOCK MONA MARIE ; KINSINGER MICHAEL ; KHAN RASHDA KHOKHAR ; HOPE JANIECE ; HILL BERNARD ; AJMANI INDERJEET K ; CAPEWELL JANE LOUISE

Agent(s): ERIN; COLLINS ERIN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): C11D17/00 C11D17/04 C11D17/06 C11D3/00 C11D3/10 C11D3/48 (Advanced/Invention)

CPC: C11D17/042 C11D3/0052 C11D3/10 C11D3/48 C11D17/041 C11D17/047

European class: C11D17/04B2 C11D3/00B10 C11D3/10 C11D3/48

US class: 510/180 510/191 510/191S 510/196 510/196S 510/224 510/224S 510/283 510/283S 510/292 510/295 510/296 510/296S 510/438 510/439 510/445 510/445S

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Forward Citations: WO15088826, WO14063107, WO14063107, US9578879, US9480628, US9468622, US9421153, US9283202, US9175250, US9163205, US9074305, US9044527,

US9018412, US9012681, US8809250, US8785361, US8551933, US8232238, US2015320294, US2015175810, US2014336094, US2012258902, JP2016505509, CN104902747,

Abstract:
Source: US2011301070A A water soluble strip that includes a carrier film that include water soluble polymer, one or more actives and one or more agents such as heat forming agent and/or degrading accelerator. The water soluble strip can optionally include other additives. The actives includes antimicrobial agent, cleaning agent and/or surfactant. The water soluble strip can include other materials. The heat forming agent and/or degrading accelerator, when used, are designed facilitate in degrading or dissolving the water soluble strip and/or increase the activity of the one or more actives. The water soluble film can be used for a variety of applications such as a hard surface cleaning strip, dishwashing strip, laundry cleaning strip, stop removing strip, drain unclogging strip, toilet bowl cleaning strip and the like. The water soluble strip eliminates the need to purchase and store numerous containers and/or heavy containers of cleaner that take up large amounts of shelf space.

0) US2011154985A – WATER, LIGHT AND AIRFLOW CONTROL SYSTEM AND CON...

12) Family number: 44666865 (US2011154985A) © PatBase

Title: WATER, LIGHT AND AIRFLOW CONTROL SYSTEM AND CONFIGURATION FOR A PLANT AIR PURIFIER

Priority: US20080098314P 20080919 US20090060668 20090918 US20090062580 20090911 US20110060668 20110224 US20110062580 20110307 US20100314215P 20100316 WO2009US56581 20090911 US20110334260 20111222 US20110580159 20110310 US20130873927 20130430 US20130858851 20130408 US20120580159 20120821 US20120624831P 20120416 US20120642835P 20120504 WO2009US57392 20090918 WO2011US27860 20110310 WO2013US38843 20130430

Family:

Publication number	Publication date	Application number	Application date
CA2736254 AA	20110304	CA20092736254	20090911
CA2736271 AA	20110304	CA20092736271	20090918
CA2828602 AA	20130828	CA20112828602	20110310
CN102215939 A	20111012	CN200980146054	20090911
CN102215940 A	20111012	CN200980146055	20090918
EP2845335 A1	20150311	EP20130726908	20130430
IN02028CN2011 A	20120203	IN2011CN02028	20110323
IN02029CN2011 A	20120203	IN2011CN02029	20110323
US2011154985 AA	20110630	US20090060668	20090918
US2011162273 AA	20110707	US20090062580	20090911
US2012090232 AA	20120419	US20110334260	20111222
US2012311926 AA	20121213	US20110580159	20110310
US2013295980 AA	20131107	US20130873927	20130430
US2013297335 AA	20131107	US20130858851	20130408
US8083835 BB	20111227	US20090062580	20090911
US8454729 BB	20130604	US20110334260	20111222
US8894741 BB	20141125	US20090060668	20090918
US9010019 BB	20150421	US20110580159	20110310
WO10033423 A1	20100325	WO2009US56581	20090911
WO10033752 A1	20100325	WO2009US57392	20090918
WO10033752 A4	20100527	WO2009US57392	20090918
WO11115806 A2	20110922	WO2011US27860	20110310
WO11115806 A3	20120119	WO2011US27860	20110310
WO11115806 A4	20120308	WO2011US27860	20110310
WO13166002 A1	20131107	WO2013US38843	20130430

Probable Assignee: MITTELMARK MARC A

Assignee(s):(std): CORNING MOBILEACCESS LTD ; CORNING OPTICAL COMM WIRELESS LTD ; MITTELMARK MARTIN ; MARTIN MITTELMARK ; WOLVERTON BILLY C ; REUVEN RAMI ; SABAN OFER ; SHAPIRA ISAAC

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Agent(s): BERESKIN AND PARR LLP SENCRL SRL; RICHES MCKENZIE AND HERBERT LLP; STURM CHRISTOPH; JAY R; YABLON JAY R; MONTGOMERY C KEITH

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE

GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01G1/00 A01G13/02 A01G17/06 A01G17/14 A01G25/00 A01G27/00 A01G31/00 A01G9/02 A01G9/16 A01G9/18 A01M7/00 A61L2/10 B01D46/00 B01D47/00 B01D53/14 B01D53/34 B01D53/84 B08B3/02 F21S4/00 F21V9/00 F24F13/00 F24F3/16 G06Q40/08 G06Q50/22 H04B17/00 H04W88/08 H05B37/02 (Advanced/Invention); B01D53/84 (Advanced/Non–invention); A01G27/00 A01G9/02 B01D53/84 F24F3/16 (Core/Invention)

CPC: G06Q40/08 G06Q50/22 B01D53/84 A01G27/00 B01D2257/708 F24F3/16 F24F2003/1653 H04B17/0055 H04B17/345 B01D2259/4508

European class: A01G27/00 B01D53/84 F24F3/16 L01D257/708 L01D259/45B L01D53/84 R24F3/16B25

US class: 134/199 250/492.1 250/492.100S 315/152 315/152S 362/231 362/249.02 362/249.020S 455/226.3 455/514 47/1.7 47/17 47/20.1 47/20.100S 47/44 47/45 47/45S 47/46 47/46S 47/58.1LS 47/59R 47/59S 47/65 47/66.6 47/66.600P 47/66.7 47/66.700P 47/66.700S 47/77 47/79 47/79S 705/2 95/1 95/149 95/1P 95/210 95/23 95/24 95/26 95/90 96/109 96/109S 96/115 96/115S 96/224 96/290 96/417 96/422 96/424

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Forward Citations: WO17035254, WO16199130, WO16046827, WO15191687, WO15188145, WO15126993, WO15116641, WO15013670, WO14123722, US9720197, US9717221, US9715242, US9699723, US9685782, US9681396, US9655195, US9653861, US9642209, US9603155, US9602209, US9602176, US9585920, US9568147, US9565596, US9547145, US9534800, US9515855, US9509133, US9497706, US9473228, US9468166, US9457077, US9419712, US9408880, US9382706, US9323020, US9252874, US9241453, US9227155, US9219546, US9191105, US9160449, US9074366, US9032665, US9010019, US8894741, US8752327, US8590207, US8454729, US8083835, US2017118964, US2016242244, US2016120139, US2015289452, US2015237811, US2015231548, US2015222348, US2015208598, US2015096228, US2015025738, US2014366445, US2014322071, US2014308044, US2014308043, US2014259921, US2014137468, US2014060164, US2014026474, US2013305606, US2013160363, US2013055634, US2013006401, US2012326610, US2012311926, US2012054061, US2011154985, KR20160114621, KR101727443, GB2534572, EP3172960, EP2608869, EP2608869, CN106014139, CN105664628, CN105518546, CN105283068, CN105148722, CN104995460, CN104969849, CN104613551, CN104396594, CN104350969, CN104307356, CN103299849, CN103157373,

Abstract:
Source: US2011154985A A plant air purifier and associated method for purifying air, comprising: at least one grow container; a filter bed comprising a surface which is horizontal within 20 degrees of a horizontal plane; at least one plant which grows within the filter bed; a reservoir for containing water for watering the at least one plant; a mechanical watering device which waters the filter bed from the top down; a pump for pumping water from the reservoir to and through the mechanical watering device; and an air propulsion mechanism for propelling air through the filter bed.

13) Family number: 57405124 (US2014259441A) © PatBase

Title: METHODS AND COMPOSITIONS FOR TREATING LAUNDRY ITEMS

Priority: US20130793369P 20130315 US20130822750P 20130513 US20140160640 20140122 US20140160625 20140122 US20140160690 20140122 US20140160669 20140122 US20140160851 20140122 US20140160977 20140122 US20140160777 20140122 US20140160903 20140122 US20140275025 20140512 US20140160807 20140122 US20140275070 20140512 US20140275114 20140512 US20170436060 20170217

Family:

Publication number	Publication date	Application number	Application date
BR102014011541 A2	20160621	BR20141011541	20140513
DE102014102237 A1	20140918	DE201410102237	20140221
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DE102014102239 A1	20140918	DE201410102239	20140221
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US2014259441 AA	20140918	US20140160625	20140122
US2014259442 AA	20140918	US20140160640	20140122
US2014259443 AA	20140918	US20140160690	20140122
US2014259444 AA	20140918	US20140160777	20140122
US2014259445 AA	20140918	US20140160851	20140122
US2014259446 AA	20140918	US20140160903	20140122
US2014259447 AA	20140918	US20140160977	20140122
US2014259448 AA	20140918	US20140275025	20140512
US2014259449 AA	20140918	US20140275070	20140512
US2014259450 AA	20140918	US20140275114	20140512
US2014274868 AA	20140918	US20140160807	20140122
US2014277751 AA	20140918	US20140160669	20140122
US2017159224 AA	20170608	US20170436060	20170217
US9624615 BB	20170418	US20140160903	20140122
US9631310 BB	20170425	US20140275070	20140512
US9644301 BB	20170509	US20140160851	20140122
US9689101 BB	20170627	US20140275114	20140512
US9702074 BB	20170711	US20140275025	20140512

Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** WHIRLPOOL CO ; WHIRLPOOL CORP A DELAWARE CORP ; WHIRLPOOL CORP DELAWARE CORP

Assignee(s): WHIRLPOOL CORP

Inventor(s):(std)**:** FULMER GREGORY R ; GHOSH KAUSTAV ; KLEIN JAMES W ; LEEP NICHOLAS ; LEEP NICHOLAS E ; MURCH WILLIAM L ; PINKOWSKI ROBERT J ; QUDDUS MIR A ; RIGHETTI NICHOLAS E ; ROGERS BRIAN K ; SCHARICH DAVID III ; SCHARICH III DAVID ; SCHIESSER RICARDO N ; SCHNEEMANN JASON M ; ALEXANDER BENJAMIN E

Inventor(s): BENJAMIN E ALEXANDER ; DAVID SCHARICH III ; ROBERT J PINKOWSKI

Agent(s): NICHOLLS MICHAEL JOHN

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9): C11D1/835 C11D11/00 C11D3/00 D06F33/02 D06F35/00 D06F37/02 D06F39/00 D06F39/02 D06F39/08 D06M13/395 D06M13/402 G05B15/02 (Advanced/Invention); C11D1/62 C11D1/72 D06F39/00 (Advanced/Non–invention)

CPC:

D06M13/402 D06M13/395 G05B15/02 C11D3/0021 D06F39/083 D06F2202/04 D06F39/003 D06F39/005 D06F39/088 D06F58/28 D06F2058/2854 D06F35/00 C11D1/62 C11D1/72 C11D1/835 D06F2202/065 D06F2202/10 D06F2204/088 D06F2058/2883 D06F35/006 D06F39/02 D06F33/02 D06F35/005 D06F35/007 D06F2202/02 D06F2204/02 D06F2204/086 D06F39/004 C11D11/0017 D06F2204/06 D06F39/007 D06F39/022

US class: 510/513 68/12.18 700/275 8/137

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DE102010027994 A1

CN202265714 U, CN201313996 Y, CA2387385 AA,

Forward Citations: WO17030962, CN105533865,

Abstract:
Source: US2014259441A A reduced dye transfer cycle of operation for a laundry treating appliance having a treating for receiving laundry for treatment includes a treating chemistry application phase where a treating chemistry is supplied to the treating chamber, the treating chemistry including at least one water soluble cationic dye absorber, a surfactant system, and an emulsifier.

14) Family number: 31172467 (US2004213904A) © PatBase

Title: PROCESS FOR PRODUCING DETACHABLE DIRT–AND WATER–REPELLENT SURFACE COATINGS

Priority: EP20030009302 20030424 US20030740346 20031218 US20050264606 20051031 US20050263284 20051031 US20060451868 20060613 US20100828076 20100630 WO2006EP67760 20061025 WO2006US39360 20061010 US20100890962 20100927 US20100941669 20101108 US20120343514 20120104

Family:

Publication number	Publication date	Application number	Application date
AT342319 E	20061115	AT20030009302T	20030424
AU2006309186 AA	20070510	AU20060309186	20061010
AU2006309186 BB	20130131	AU20060309186	20061010
CA2666110 AA	20090408	CA20062666110	20061010
CA2666110 C	20140415	CA20062666110	20061010
CN101410461 A	20090415	CN200680049897	20061025
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US2006110542 AA	20060525	US20050263284	20051031
US2006235143 AA	20061019	US20060451868	20060613
US2010272913 AA	20101028	US20100828076	20100630
US2011039029 AA	20110217	US20100890962	20100927
US2011054096 AA	20110303	US20100941669	20101108
US2012171419 AA	20120705	US20120343514	20120104
US7083828 BB	20060801	US20030740346	20031218
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US8043654 BB	20111025	US20100890962	20100927
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WO07051747 A3	20080522	WO2006EP67760	20061025
WO07053266 A1	20070510	WO2006US39360	20061010

Probable Assignee: ARMOR ALL STP PRODUCTS CO

Assignee(s):(std)**:** ARMOR ALL STP PRODUCTS CO ; CLOROX CO ; COUTTS DANIELLE ; DIETZ THOMAS ; DEGUSSA GMBH ; DEGUSSA ; EVONIK DEGUSSA GMBH ; PIVONKA NICHOLAS ; NARGIELLO MARIA R ; GOLDSCHMIDT GMBH ; NUN EDWIN ; MULLER FELIX ; GOLDSCHMIDT AG TH ; MUELLER FELIX ; RUSSELL JODI L ; SEROBIAN ASHOT K ; WINTER PATRICK ; RUSSEL JODI LYNN ; RUSSELL JODI LYNN ; GOLDSCHMIDT TH AG

Assignee(s): GOLDSCHMIDT AG ; SEROBIEN ASHOT K ; RUSSELL HOBBS INC A CORP OF DELAWARE ; SALIX ANIMAL HEALTH LLC ; SEED RESOURCES LLC ; SPECTRUM BRANDS INC ; SPECTRUM BRANDS INC A CORP OF DELAWARE ; SPECTRUM BRANDS INC SUCCESSOR IN INTEREST TO ROVCAL INC AS ; TELL MFG INC ; TETRA HOLDING US INC A CORP OF DELAWARE ; TETRA HOLDINGS US INC ; UNITED IND CORP ; UNITED IND SUCCESSOR IN INTEREST TO LIQUID HOLDING CO INC AS CORP ; UNITED PET GROUP INC ; UNITED PET GROUP INC A CORP OF DELAWARE ; THE CLOROX COMPANY ; DEUTSCHE BANK NEW YORK BRANCH COLLATERAL AGENT AG AS ; APPLICA CONSUMER PRODUCTS INC ; APPLICA CONSUMER PRODUCTS INC A CORP OF FLORIDA ; MULLER FLEIX ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; KWIKSET CORP ; LIQUID HOLDING CO INC ; NATIONAL MFG CO ; PRICE PFISTER INC ; ROV HOLDING INC A CORP OF DELAWARE ; ROVCAL INC ; ROVCAL INC A CORP OF CALIFORNIA ; EVONIK GOLDSCHMIDT GMBH ; CLOROX SERVICES CO ; DEGUSSA AG

Inventor(s):(std)**:** COUTTS DANIELLE ; DIETZ THOMAS ; FELIX MUELLER ; MUELLER FELIX ; MUELLER FELIX DR ; MULLER FELIX ; MULLER FELIX DR ; MULLER FLEIX ; LYNN RUSSEL JODI ; NARGIELLO MARIA R ; NUN EDWIN ; NUN EDWIN DR ; PATRICK WINTER ; PIVONKA NICHOLAS ; RUSSEL JODI LYNN ; SEROBIAN ASHOT K ; SEROBIEN ASHOT K ; THOMAS DIETZ ; WINTER PATRICK ; RUSSELL JODI L ; RUSSELL JODI LYNN

Inventor(s): SEROBIAN ASHOT ; RUSSELL JODI ; NICHOLAS PIVONKA ; MARIA R NARGIELLO ; NARGIELLO MARIA ; FLEIX MULLER ; JODI LYNN RUSSEL ; JODI LYNN RUSSELL ; DR FELIX MUELLER ; DR FELIX MULLER ; DR THOMAS DIETZ ; DANIELLE COUTTS ; ASHOT K SEROBIAN ; ASHOT K SEROBIEN

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; RICHES MCKENZIE AND HERBERT LLP; THE CLOROX COMPANY; CLOROX CO; SCULLY SCOTT MURPHY AND PRESSER PC; ERIN; ANN; OHLANDT GREELEY RUGGIERO AND PERLE LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class(IPC 8–9)**:** B05C19/04 B05D3/00 B05D3/02 B05D5/00 B05D5/02 B05D7/24 B08B17/06 B32B3/00 B32B3/30 B32B5/14 B82Y30/00 C01B33/12 C03C25/24 C04B14/04 C04B28/26 C04B41/49 C07F7/18 C08J7/04 C08K3/20 C08K3/36 C08K5/5445 C08L83/04 C09C1/28 C09C1/30 C09C3/12 C09D1/00 C09D183/04 C09D5/00 C09D5/16 C09D5/20 C09D7/00 C09D7/12 C09K3/00 C09K3/18 C23C16/40 D06M11/79 D06M23/08 D06M23/10 (Advanced/Invention); B05D5/00 B82Y40/00 C01B33/14 C08K3/00 (Advanced/Non–invention); B05D3/02 B32B3/00 B32B5/14 C08J7/00 C08K3/00 C08K5/00 C08L83/00 C09C1/28 C09D183/04 C09D5/00 C09D5/16 C09D5/20 C09D7/12 C09K3/18 (Core/Invention); C01B33/00 (Core/Non–invention)

International class(IPC 1–7)**:** B05D1/12 B05D5/00 B05D7/24 C08K3/20 C08L83/04 C09C1/30 C09D183/04 C09D7/12 C09K3/00 C09K3/18

CPC: C01P2004/03 C01P2004/04 C01P2004/61 C01P2006/60 C01P2006/62 C01P2006/63 C01P2006/64 B05D5/00 B82Y30/00 C01P2004/51 C01P2004/62 C01P2004/64 C09C1/3081 C09D1/00 C09D5/008 C09D5/1618 C09D5/1681 D06M11/79 D06M23/08 D06M23/10 D06M2200/05 Y10T428/24355 Y02W30/94 B08B17/06 B08B17/065 C03C17/007 C03C2217/475 C03C2217/76 C04B20/10 C04B26/32 C04B2111/00482 C04B2111/203 C04B2111/27 C08K3/0033 C09D183/04 C09K3/18 C14C9/00

European class: B08B17/06 B08B17/06B B82Y30/00 C03C17/00D2 C04B20/10 C04B26/32 C09C1/30D12 C09D1/00 C09D183/04 C09D5/00F C09K3/18 C14C9/00 L05D5/00 M01P4/03 M01P4/04 M01P4/51 M01P4/61 M01P4/62 M01P4/64 M01P6/60 M01P6/62 M01P6/63 M01P6/64 M03C217/475 M03C217/760 M04B111/00T2 M04B111/20H M04B111/27 M08K3/00P5

US class: 106/285 106/285S 106/287.1 106/287.11 106/287.13 106/287.14 106/287.140S 106/287.15 106/287.150S 106/287.16 106/287.160S 106/287.19 106/287.190S 106/287.26 106/287.260S 106/287.34 106/287.340S 106/490 118/58 118/58S 118/620

118/620S 423/335 427/154 427/154S 427/155 427/155S 427/156 427/180 427/180P 427/333 427/333P 427/372.2 427/372.200 427/372.200P 427/384 427/384P 427/387 427/393.4 427/393.400S 427/397.7 427/397.700P 427/8 427/8S 428/141 428/141P 524/188 524/236 524/267 524/267S 524/430 524/430S 524/588 524/588S 977/773 977/773S 977/892 977/892S

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CN103436142, CN103342902, CN102695750, CN102666738, CN102660168, CN102153305, AU2010272772,

Abstract:
Source: US2004213904A Process for producing detachable dirt− and water−repellent surface coatings on articles, wherein during the coating process, hydrophobic particles are applied to the surface of the articles, thus generating a sure structure with elevations on that surface of the articles that has dirt− and water−repellent properties, which comprises suspending the hydrophobic particles in a solution of a silicone wax in a highly volatile siloxane, and applying this suspension to at least one surface of an article, and then removing the highly volatile siloxane.

0) US2013081300A – VACUUM CYCLING DRYING

15) Family number: 51717005 (US2013081300A) © PatBase

Title: VACUUM CYCLING DRYING

Priority: US20110439304P 20110203 US20110479298P 20110426 US20110578874P 20111221 US20120624545 20120921 US20110541995P 20110930 US20120983482 20120203 WO2012US23795 20120203

Family:

Publication number	Publication date	Application number	Application date
AU2012212042 AA	20120809	AU20120212042	20120203
CA2825993 AA	20130729	CA20122825993	20120203
EP2673225 A2	20131218	EP20120742597	20120203
US2013081300 AA	20130404	US20120624545	20120921
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WO12106610 A2	20120809	WO2012US23795	20120203
WO12106610 A3	20140417	WO2012US23795	20120203

Probable Assignee: NAPABE LLC

Assignee(s):(std)**:** GRAY DONALD J ; NAPABE LLC ; TRAN PAUL BUI VINH

Inventor(s):(std)**:** GRAY DONALD J ; TRAN PAUL BUI VINH

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; NA; DOERRIES HANS ULRICH; BROWN MARSHALL J ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47K10/20 A47K10/42 B65D83/08 B65H1/08 F26B5/04 (Advanced/Invention)

CPC: F26B5/04 F26B21/10 F26B21/14 B65H1/08 A47K10/42

European class: A47K10/42

US class: 221/45 34/412

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Forward Citations: US9676542, US9561681, US9265364, US2016143457, US2016073837, US2015353266, US2015076169, US2013193158,

Abstract:
Source: US2013081300A The invention generally relates to methods and systems of drying objects containing interior surfaces. In particular, the present invention provides a method which alternates vacuum and pressure with heated gases to enhance interior drying of parts. More particularly, the method cycles the chamber through a vacuum phase that rapidly removes vapor from the object both convectively and through boiling followed by a pressure phase that delivers heat and fresh gases to difficult regions of the objects to be dried.

0) US2004093811A – AREA FLOOR COVERING

16) Family number: 30321113 (US2004093811A) © PatBase

Title: AREA FLOOR COVERING

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: INTERFACE INC

Assignee(s):(std)**:** BRADFORD JOHN A ; BRADFORD JOHN P ; HADDEN JAMES W ; COLANDO GREGORY E ; GRAY KEITH N ; COCHRAN CRAIG ; FEZER SUSAN F ; HENSLER CONNIE D ; BRADLEY HORACE EDDIE JR ; BRADLEY JR HORACE EDDIE ; SCOTT GRAHAM A ; INTERFACE INC ; OAKEY DAVID D ; SCOTT GRAHAM A H ; ZAH CHUNG HSIEN ; INTERFACE INC US

Assignee(s): WELLS FARGO BANK NA SUCCESSOR BY MERGER TO WACHOVI ; SCOTT GRAHAM AH ; WELLS FARGO BANK NA SUCCESSOR BY MERGER TO WACHOVIA BANK NATIONAL ASSOCIATION ; INTERFACE INC ATLANTA ; BANK OF AMERICA NA ADMINISTRATIVE AGENT AS ; BRADFORD JOHN ; WACHOVIA BANK NATIONAL ASSOCIATION ; US BANK NATIONAL ASSOCIATION

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Inventor(s): THE DESIGNATION OF THE INVENTOR HAS NOT YET BEEN FILED ; ZAH CHUNG HSIEN KENNESAW ; GRAY KEITH N MARIETTA ; SCOTT GRAHAM AH ; JAMES W HADDEN ; GRAHAM A SCOTT ; SCOTT GRAHAM A H LA GRANGE ; SUSAN F FEZER

; FEZER SUSAN F GRANTVILLE ; GRAHAM A H SCOTT ; GRAHAM AH SCOTT ; GRAHAM H SCOTT ; HENSLER CONNIE D KENNESAW ; HORACE EDDIE BRADLEY JR ; JOHN BRADFORD ; JOHN P BRADFORD ; JR HORACE EDDIE BRADLEY ; KEITH N GRAY ; OAKEY DAVID D ATLANTA ; CONNIE D HENSLER ; CRAING COCHRAN ; COCHRAN CRAIG ATLANTA ; BRADLEY HORACE EDDIE JR LAGRANGE ; BRADFORD JOHN P LA GRANGE

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SPRUSON AND FERGUSON; BERESKIN AND PARR LLP SENCRL SRL; GODEMEYER BLUM LENZE PATENTANWAELTE PARTNERSCHAFT MBB; WESTON ROBERT DALE; PHILLIPS AND LEIGH; PHILLIPS AND LEIGH LLP; DE ELZABURU ALBERTO; JOHN S PRATT ESQ KILPATRICK STOCKTON LLP; KILPATRICK STOCKTON LLP; PRATT JOHN S; JOSWICK III EUGENE B; EUGENE B; JOHN S; FITZPATRICK STOCKTON LLP; KILPATRICK TOWNSEND AND STOCKTON LLP; PRATT JOHN S ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47G27/00 A47G27/02 A47G27/04 B26D3/00 B29C65/50 B32B3/00 B32B3/02 B32B3/10 B32B7/12 B65H37/00 C09J7/02 D06N7/00 E04B1/00 E04B1/64 E04B2/00 E04B5/00 E04B9/00 E04C2/20 E04C2/30 E04C2/52 E04F13/00 E04F13/08 E04F15/00 E04F15/02 E04F15/06 E04F15/10 E04F15/16 E04F15/22 E04F19/00 E04F19/06 E04F21/20 E04G21/00 E04G23/00 G01S1/68 G01S13/74 G01S5/00 G06F17/00 G06K17/00 G06K19/00 G06K19/07 G08B1/08 G08B21/00 H04B1/59 (Advanced/Invention); A47G27/04 B65H37/00 C09J7/02 E04F11/16 E04F15/02 G06K17/00 (Advanced/Non–invention); A47G27/00 B32B3/10 B32B7/12 B65H37/00 C09J7/00 C09J7/02 E04B1/00 E04B1/64 E04B2/00 E04C2/10 E04C2/30 E04C2/52 E04F13/00 E04F13/08 E04F15/00 E04F15/02 E04F15/22 E04F19/02 G01S13/00 G06F17/00 G06K17/00 G06K19/00 G06K19/07 G08B1/00 G08B21/00 H04B1/59 (Core/Invention); E04F11/02 (Core/Non–invention); A47G B65H C09J E04F (Subclass/Invention)

International class (IPC 1–7): A47G27/02 B32B3/00 B32B3/02 B32B3/10 B32B33/00 D06N D06N7/00 E04B1/00 E04F11/16 E04F15/00 E04F15/06 E04G21/00 E04G23/00

CPC: A47G27/025 A47G27/0293 E04F11/16 E04F19/061 B65H2402/411 B65H2701/194 C09J2433/00 Y10T428/161 Y10T428/169 Y10T428/198 A47G27/0487 E04F21/165 Y10T428/2835 A47G27/0475 A47G27/0481 B65H37/005 B65H2401/211 B65H2701/1922 C09J7/0207 C09J7/0246 C09J7/0296 C09J2203/314 G01S1/68 G01S5/0027 G06K2017/0045 Y10T428/23907 Y10T428/23979 Y10T428/23993 Y10T83/0524 Y10T156/109 Y10T428/16 C09J7/02 E04F21/1657 E04F21/22 E04F13/0887 A47G27/0243 E04F15/02 E04F2201/07 Y10T428/23914 Y10T428/24008 Y10T428/24017 Y10T428/24025 Y10T428/2848 Y10T428/2857 A47G27/04 B65H37/00 E04F21/20

European class: A47G27/02R A47G27/02R1 A47G27/02T A47G27/04D A47G27/04D1 A47G27/04E B65H37/00B2 C09J7/02F C09J7/02K4 C09J7/02K9F E04F15/02 E04F19/06B E04F21/00 E04F21/165 G01S1/68 G01S5/00R1A L65H401/211 L65H402/411 L65H701/1922 L65H701/1940 M09J203/314 M09J433/00 P04F11/16 S06K17/00W6

US class: 1/1 156/298 156/71 156/71S 235/375 235/375P 340/539.1 340/539.100S 340/604 340/604S 340/944 367/6 367/6S 428/100 428/101 428/351 428/354 428/354S 428/356 428/44 428/44P 428/45 428/45S 428/52 428/52S 428/62 428/62P 428/80 428/80S 428/82 428/82S 428/83 428/86 428/95 428/95S 428/97 428/99 52/177 52/177P 52/220.1 52/220.100P 52/309.1 52/309.100S 52/309.3 52/309.300S 52/311.2 52/385 52/390 52/390S 52/391 52/403.1 52/403.100P 52/403.100S 52/410 52/410S 52/506.05 52/515 52/516 52/578 52/578S 52/588.1 52/745.05 52/746.1 52/746.100P 52/747.1 52/747.100S 52/747.11 52/750 52/750P 83/39 83/39S

Classification Explorer

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Forward Citations: WO17017033, WO16204606, WO14022466, WO13103721, WO12161568, WO10144897, WO10118084, WO10104862, WO06044928, WO06044928, WO04030902, USD773073, USD692595, USD656250, US9700165, US9691240, US9663686, US9622609, US9611654, US9598613, US9534398, US9409344, US9402496, US9394701, US9376766, US9340982, US9187910, US9085902, US9077343, US9072396, US8955268, US8950147, US8919066, US8894794, US8881482, US8793963, US8739381, US8683769, US8613406, US8596023, US8540180, US8536760, US8522509, US8519596, US8505256, US8490356, US8468772, US8468771, US8434282, US8424257, US8407951, US8397466, US8381473, US8329265, US8302366, US8284028, US8269401, US8220221, US8186117, US8166722, US8136312, US7757457, US7721502, US7690160, US7634877, US7624546, US7621093, US7591116, US7546707, US7125595, US7125595, US7096642, US6861118, US2017173920, US2017037614, US2016217664, US2016145877, US2016007787, US2015152646, US2015136317, US2014109509, US2014077949, US2013265161, US2013263553, US2013000228, US2012309531, US2011274889, US2011250434, US2011226901, US2011214798, US2011189443, US2011107720, US2011042003, US2010330327, US2010272943, US2010260966, US2010251641, US2010223872, US2010176189, US2010170991, US2010055660, US2010051745, US2010039226, US2010024329, US2009293398, US2009288350, US2009212103, US2009193746, US2009193743, US2009094919, US2009020953, US2007044397, US2006107617, US2006003141, US2005281963, US2005079316, US2004086683, US2004053002, US2004013849, NL2006837, KR101538611, KR101537917, KR101537917, KR101417048, JP5735037, JP2013177809, JP2011094478, JP2008517190, GB2505967, GB2472633, EP3190243, EP3100649, EP2828447, EP2752535, EP2554616, EP2374857, EP2374856, EP2374855, EP2347684, EP2284636, EP2258909, EP2258908, EP1437456, CN104647878, CN104414406, CN104142149, CN103161288, CN103153700, CN102841541, CN102653979, BE1017079, BE1015299, AU2011200866, AU2008230828, AU2005295322,

Abstract:
Source: US2004093811A A system and method for forming an area rug using at least one replaceable wear surface positioned on a floor or subfloor. The system includes a base and at least one replaceable wear surface, of which both may be cut to fit a floor space of almost any shape. The system may be attached to the floor using an adhesive, a double−sided tape, or a cloth, with or without adhesive, or not attached at all. The cloth can be applied coextensively to the base and replaceable wear surface, or intermittingly, such as only at intersecting corners. The system can be sold to consumers as a self contained kit or as a group of components that can be separately selected.

0) US2002183233A – BACTERICIDAL CLEANING WIPE

17) Family number: 29755368 (US2002183233A) © PatBase

Title: Bactericidal cleaning wipe

Priority:

AU20020239443	20011130	AU20020239443	20011130	CA20022482306	20020821
CA20022736045	20020821	EP20020753528	20020821	US20020134566	20020426
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Family:

Publication number	Publication date	Application number	Application date
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RICHARD E SIMON ; LAURA SHIMMIN ; SHAFFER GLEN ; NELSON SHONA ; ROBERT L BLUM ; SCOTT WAYNE ; MALCOLM A DE LEO ; MITRA SHUMA ; LEO MALCOLM ; ELIAS A SHAHEEN ; KONG STEPHEN ; BURCIAGA SONIA ; ANDREW KILKENNY ; BLUM ROBERT

Agent(s): GRIFFITH HACK; PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; RICHES MCKENZIE AND HERBERT LLP; JOHANSSON; WITTE WELLER AND PARTNER PATENTANWAELTE MBB; WITTE WELLER AND PARTNER; COOKE RICHARD SPENCER; UNGRIA JAVIER; FAY SHARPE FAGAN MINNICH AND MCKEE; THE CLOROX COMPANY; CLOROX CO; VICKERS ROBERT V; TURUNG BRIAN E; BRIAN E; ROBERT V; PETERSON DAVID; DAVID; GOEL ALOK; ALOK; ERIN; PETERSON DAVID ET AL; GOEL ALOK ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A01N25/08 A01N33/12 A01N43/08 A01N47/44 A01P1/00 A47L13/17 A61L2/28 B08B13/00 C11D1/00 C11D1/38 C11D1/62 C11D1/66 C11D1/68 C11D1/72 C11D1/74 C11D1/75 C11D1/83 C11D1/835 C11D17/00 C11D17/04 C11D3/00 C11D3/02 C11D3/04 C11D3/20 C11D3/22 C11D3/26 C11D3/28 C11D3/37 C11D3/43 C11D3/44 C11D3/48 (Advanced/Invention);
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International class (IPC 1–7): C11D1/62 C11D1/66 C11D1/68 C11D1/72 C11D1/75 C11D1/83 C11D1/835 C11D17/00 C11D3/16 C11D3/37 C11D3/40 C11D3/43 C11D3/48 C11D3/50 C11D9/50

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European class: A01N33/12 A01N47/44 C11D1/62 C11D1/66B C11D1/835 C11D17/04F C11D3/00B5 C11D3/04S C11D3/20B1A C11D3/20E C11D3/32B C11D3/37 C11D3/37C C11D3/37C2 C11D3/37C8F C11D3/37C8H C11D3/37Z C11D3/43 C11D3/48 M11D1/62 M11D1/66B

US class: 134/42 15/209.1 15/209.100P 422/28 424/409 424/409P 510/130 510/131 510/136 510/137 510/138 510/183 510/235 510/238 510/245 510/253 510/282 510/282S 510/295 510/362 510/365 510/367 510/382 510/383 510/384 510/384S 510/385 510/385S 510/391 510/391S 510/432 510/433 510/434 510/438 510/438S 510/470 510/475 510/475S 510/477 510/48 510/480 510/480S 510/499 510/499S 510/500 510/503 510/504 510/504S 510/505 510/506 510/506S 510/509 514/25 514/25S

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Abstract:
Source: US2002183233A An improved cleaning composition loaded on a cleaning wipe having improved biocidal release from the cleaning wipe. The improved cleaning composition includes a cationic biocide and a biocide release agent.

18) Family number: 30377630 (US2003100469A) © PatBase

Title: FATTY ACIDS, SOAPS, SURFACTANT SYSTEMS, AND CONSUMER PRODUCTS BASED THEREON

Priority:

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SCHEIBEL JEFFREY J ; VINSON PHILLIP K ; SEVERSON ROLAND G ; SIVIK MARK R ; WAHL ERROL H ; MARIE DEMEYERE HUGO J ; MARY VIJAYARANI BARNABAS ; MICHAEL STANFORD SHOWELL ; MARY VIJAYARANI ; MARK RICHARD SINE ; TOAN TRINH ; TODD MICHAEL WERNICKE ; TORDIL BERNARDO ; WERNICKE MICHAEL ; SINE RICHARD ; SHOWELL STANFORD

Inventor(s): TRINH ; MARC JOHAN DECLERCQ ; ROLAND GEORGE SEVERSON ; PHILLIP KYLE VINSON ; THOMAS ANTHONY CRIPE ; MARK ROBERT SIVIK ; WOO RICKY AH MAN ; ZHANG SHULIN LARRY ; WAHL ERROL ; SCHEIBEL JEFFREY ; VINSON PHILLIP ; SEVERSON ROLAND ; SIVIK MARK ; MARIE DEMEYERE HUGO ; ROGER BURCKETT ST LAURENT JAMES CHARLES THEOPHILE ; MARIE DEMEYERE HUGO JEAN ; T TRINH ; JW SMITH ; T TRIN ; MV BARNABAS ; J J SCHEIBEL ; HUGO JEAN MARIE DEMEYERE ; GAYLE MARIE FRANKENBACH ; JAMES CHARLES THEOPHILE ROGER BURCKETT ST LAURENT ; DEBORAH JEAN BACK ; JEFFREY JOHN SCHEIBEL ; ERROL HOFFMAN WAHL ; JAMES CHARLES THEOPHILE ROGER ; DECLERCQ MARC ; FRANKENBACH GAYLE ; M V BARNABAS ; J W SMITH ; F A BARNABAS ; D J BACK ; D S CONNOR ; DANIEL STEDMAN CONNOR ; BURCKETT ST LAURENT JAMES CHARLES T ; BURCKETT ST LAURENT JAMES CHARLES T R ; CRIPE THOMAS ; CONNOR DANIEL ; BURCKETT ST LAURENT JAMES CHARLES THEOPHILE ROGER ; BURCKETT ST LAURENT JAMES CHARLES TR ; BURCKETT ST LAURENT JAMES CHARLES ; BACK DEBORAH ; BARNABAS FA ; BAKER ELLEN SCHMIDT

Agent(s): PHILLIPS ORMONDE FITZPATRICK; KIRBY EADES GALE BAKER; DIMOCK STRATTON LLP; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; GRUNZINGER LAURA R; CAMP JASON J; UPITE DAVID V; JASON J; DAVID V; LAURA R; GRUNZINGER LAURA A; LAURA A; STEVEN W; MARK A; KIM W

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): A01N25/30 A01N33/12 A01N43/40 A01N43/80 A01N47/44 B05D7/00 C07C53/126 C07C53/128 C07C69/24 C08F290/14 C08K5/00 C08L101/00 C08L5/00 C08L83/04 C11D1/00 C11D1/04 C11D1/34 C11D1/62 C11D1/65 C11D1/66 C11D1/88 C11D10/02 C11D10/04 C11D17/00 C11D17/04 C11D17/06 C11D17/08 C11D3/00 C11D3/02 C11D3/04 C11D3/10 C11D3/16 C11D3/20 C11D3/22 C11D3/33 C11D3/36 C11D3/37 C11D3/382 C11D3/384 C11D3/386 C11D3/395 C11D3/40 C11D3/43 C11D3/48 C11D3/50 C11D7/26 C11D7/44 C11D9/00 C11D9/02 D06M11/00 D06M11/13 D06M13/188 D06M13/342 D06M15/03 D06M15/263 D06M15/643 D06M23/06 (Advanced/Invention); A01N25/30 B05D7/00 C08K5/00 C08L101/00 C08L5/00 C11D17/06 C11D17/08 C11D3/04 C11D3/10 C11D3/20 C11D3/395 C11D3/40 C11D3/48 C11D3/50 D06M101/04 D06M101/06 D06M101/12 D06M101/16 D06M11/00 D06M15/00 (Advanced/Non–invention); A01N25/30 A01N33/00 A01N43/34 A01N43/72 A01N47/40 B05D7/00 C08F290/00 C08K5/00 C08L101/00 C08L5/00 C08L83/00 C11D10/00 C11D17/04 C11D17/06 C11D17/08 C11D3/00 C11D3/02 C11D3/04 C11D3/10 C11D3/16 C11D3/20 C11D3/22 C11D3/26 C11D3/36 C11D3/37 C11D3/38 C11D3/395 C11D3/40 C11D3/48 C11D3/50 C11D7/22 D06M11/00 D06M13/00 D06M15/01 D06M15/21 D06M15/37 D06M23/00 (Core/Invention)

International class (IPC 1–7): A01N25/30 A01N33/12 A01N43/40 A01N43/80 A01N47/44 A61K7/48 A61K7/50 B05D7/00 C07C53/126 C07C53/128 C07C69/24 C08F290/14 C08K5/00 C08L101/00 C08L5/00 C08L83/04 C09K3/16 C11D1/00 C11D1/04 C11D1/34 C11D1/62 C11D1/66 C11D1/88 C11D10/02 C11D17/00 C11D17/04 C11D17/06 C11D17/08 C11D3/00 C11D3/04 C11D3/10 C11D3/20 C11D3/22 C11D3/33 C11D3/37 C11D3/382 C11D3/384 C11D3/386 C11D3/395 C11D3/40 C11D3/48 C11D3/50 C11D33/82 C11D33/84 C11D7/26 C11D9/00 C11D9/02 D06L1/00 D06M11/13 D06M13/188 D06M13/342 D06M15/00 D06M15/01 D06M15/03 D06M15/263 D06M15/643 D06M23/06

CPC: C11D3/3742 C11D17/047 D06M13/005 D06M15/03 D06M15/643 D06M2200/20 D06M2200/35 C11D3/3738 C11D3/046 C11D3/162 C11D3/221 C11D3/222 C11D3/362 C11D3/373 C11D3/3757 C11D3/3769 C11D17/041 Y02P20/582 A61Q19/00 A61K8/361 C11D1/04 C11D1/62 C11D1/65 C11D3/0015 C11D3/2079 C11D3/2093 C11D3/43 C11D9/005 C11D9/007 C11D10/04

European class: A61K8/36C A61Q19/00 C11D1/04 C11D1/62 C11D1/65 C11D10/04 C11D17/04B C11D17/04B6 C11D3/00B3L C11D3/04S C11D3/16B C11D3/20E1 C11D3/20F C11D3/22B C11D3/22E C11D3/36C C11D3/37B12 C11D3/37B12E C11D3/37B12F C11D3/37C6 C11D3/37C8 C11D3/43 C11D9/00C C11D9/00H D06M13/00P D06M15/03 D06M15/643 M11D1/62 N06M200/20 N06M200/35

US class:

510/101 510/276 510/279 510/287 510/292 510/308 510/322 510/327 510/329 510/329S 510/33 510/330 510/330S 510/331 510/331S 510/332 510/332S 510/382 510/394 510/406 510/421 510/437 510/466 510/470 510/475 510/477 510/477S 510/481 510/488 510/491 510/491S 510/499 510/499S 510/500 510/501 510/504 510/505 510/505S 510/515 510/515S 510/520 510/522 510/527 554/1 554/107 554/52

Classification Explorer

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Forward Citations: WO17083229, WO17083228, WO17083226, WO17024110, WO16160740, WO16160738, WO16160737, WO16133734, WO16034651, WO15195960, WO15195777, WO15182172, WO15138283, WO15123323, WO15110444, WO15095358, WO15091123, WO13082430, WO12144476, WO12144475, WO12009525, WO12009525, WO11151169, WO11088089, WO11075352, WO10149320, WO10115664, WO10105943, WO10027608, WO10027608, WO09063479, WO09057135, WO09057134, WO08090316, WO08084461, WO08084460, WO07115035, WO07014210, WO07014210, WO06114140, WO06042055, WO06042055, WO05093035, WO05033276, WO05033276, WO05030693, WO04105704, WO04105704, WO04018604, WO03099978, WO0215663, WO0215663, WO0212423, WO0212423, WO0196237, WO0196237, WO0190285, USRE40495, US9714403, US9702074, US9700646, US9695253, US9689106, US9689101, US9676711, US9656944, US9650593, US9644301, US9631310, US9624615, US9622951, US9585397, US9540598, US9518013, US9505715, US9494032, US9404069, US9370472, US9365509, US9359295, US9321664, US9290448, US9288992, US9267097, US9254275, US9253978, US9242879, US9226641, US9212338, US9192909, US8966784, US8952217, US8933263, US8933131, US8933010, US8911509, US8889900, US8883706, US8883705, US8883698, US8877254, US8871807, US8858895, US8853143, US8846154, US8846107, US8834939, US8785709, US8772218, US8765114, US8747487, US8734533, US8729296, US8728530, US8728454, US8709453, US8697625, US8697140, US8691745, US8648029, US8637088, US8603528, US8569221, US8557758, US8544206, US8535729, US8499689, US8429849, US8420584, US8399396, US8357724, US8337879, US8316581, US8309506, US8309131, US8292970, US8283300, US8282948, US8256160, US8207102, US8206462, US8148318, US8147814, US8124112, US8115039, US8105628, US8093200, US8091253, US8071528, US8061269, US8048517, US8024890, US8021493, US8012387, US8008245, US7989413, US7989000, US7984568, US7960329, US7955616, US7947640, US7922827, US7919448, US7896928, US7887834, US7776108, US7763083, US7749329, US7741262, US7727289, US7709434, US7681328, US7678752, US7678301, US7655612, US7608575, US7601681, US7588607, US7576043, US7566762, US7556841, US7514576, US7503127, US7456306, US7423002, US7415781, US7392600, US7385068, US7377945, US7320184, US7297672, US7244700, US7196041, US7179777, US7146749, US7078462, US7078462, US7060666, US7059065, US7053029, US7053029, US7047663, US7044985, US7043855, US7033983, US7030077, US7003834, US6992057, US6956016, US6949502, US6916777, US6916776, US6894011, US6890894, US6794356, US6673118, US6548705, US6503413, US6500892, US2015328092, US2015259439, US2014377467, US2014090663, US2014080917, US2013081219, US2012302486, US2012157370, US2012017462, US2012014902, US2012003289, US2011265829, US2011236448, US2011201265, US2011189304, US2011177994, US2011160114, US2011152165,

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Abstract:
Source: US2003100469A Novel fatty acids and derivatives thereof such as salts, new surfactant systems comprising one or more of these compounds, consumer products such as laundry products, personal care products, pharmaceutical compositions, industrial cleaners, and the like comprising said compounds or surfactant systems.

0) US2017058500A – CLEAN TOILET AND ACCESSORIES

19) Family number: 65075634 (US2017058500A) © PatBase

Title: CLEAN TOILET AND ACCESSORIES

Priority: US20150209198P 20150824 US20160245996 20160824

Family:

Publication number	Publication date	Application number	Application date
US2017058500 AA	20170302	US20160245996	20160824
WO17035246 A1	20170302	WO2016US48419	20160824

Probable Assignee: KOHLER CO

Assignee(s):(std)**:** KOHLER CO

Inventor(s):(std)**:** DENZIN PETER ; DENZIN PETER W ; GARRELS CLAYTON ; KURU WILLIAM ; LUETTGEN MICHAEL

Agent(s): SPROW MARCUS ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A47K17/00 C11D11/00 C11D7/04 E03D1/36 E03D11/13 E03D5/10 E03D9/00 E03D9/03 G08B21/18 (Advanced/Invention)

CPC: E03D9/005 E03D9/032 E03D11/13 E03D5/10 A47K17/00 E03D1/36 G08B21/182 C11D7/04 C11D11/0052 E03D2009/028 E03D9/038 E03D2009/024

US class: 4/314

Classification Explorer

Cited documents: WO10139584 A1, US507656 A, FR2699572 A1, DE8000249 U,

Abstract:
Source: US2017058500A A toilet that includes a bowl, a tank configured to hold water, and a flush valve within the tank. The flush valve includes a valve body fluidly connecting the tank and the bowl, a float moveable relative to the valve body to open and close the flush valve, and a guide member coupled to the valve body for guiding movement of the float, where the guide member includes a chamber that is configured to hold a cleaning compound including a chemical compound and water. The cleaning compound is configured to be dispensed into the bowl through the valve body with the flush valve open.

0) US2011262999A – COMPOSITIONS AND METHODS COMPRISING PROTEASE VA...

20) Family number: 49089694 (US2011262999A) © PatBase

Title: COMPOSITIONS AND METHODS COMPRISING PROTEASE VARIANTS

Priority: AU20100328121 20101209 AU20140206222 20140728 CN201080063354 20101209 JP20120543275T 20101209 JP20150147895 20101209 EP20100836666 20101209 US20090285127P 20091209 US20100392373P 20101012 US20100963930 20101209 WO2010US59628 20101209 US20140225292 20140325 US20150843833 20150902 JP20150147895 20150727

Family:

Publication number	Publication date	Application number	Application date
AR079338 AA	20120118	AR2010P104547	20101209
AU2010328121 AA	20110616	AU20100328121	20101209
AU2014206222 AA	20140814	AU20140206222	20140728
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WO11072099 A2	20110616	WO2010US59628	20101209
WO11072099 A3	20110929	WO2010US59628	20101209

Probable Assignee: DANISCO US INC

Assignee(s):(std)**:** CASCAO PEREIRA LUIS GUSTAVO ; TORRES PAZMINO DANIEL ; KELLIS JAMES T ; POULOSE AYROOKARAN J ; DANISCO US INC ; ESTELL DAVID A ; PISARCHIK ALEXANDER ; DANISCO INGREDIENTS AS ; BASLER JOSHUA R ; BASLER JOSHUA ROY ; CASC O PEREIRA LUIS G ; KELLIS JR JAMES T ; TORRES PAZMINO DANIEL E

Assignee(s): CASCAO PEREIRA LUIS G ; DANISCO INGREDIENTS A S DANISCO A S

Inventor(s):(std)**:** ALEXANDER PISARCHIK ; AYROOKARAN J POULOSE ; BASLER JOSHUA R ; BASLER JOSHUA ROY ; CACAO PEREIRA LUIS GUSTAVO ; CASCAO PEREIRA LUIS G ; CASCAO PEREIRA LUIS GUSTAVO ; JOSHUA ROY BASLER ; KELLIS JAMES T ; KELLIS JAMES T JR ; KELLIS JR JAMES T ; LUIS GUSTAVO CASCAO PEREIRA ; PAZMINO DANIEL ESTEBAN TORRES ; PISARCHIK ALEXANDER ; POULOSE AYROOKARAN J ; TORRES PAZMINO DANIEL ; TORRES PAZMINO DANIEL E ; TORRES PARMINO DANIEL ESTEBAN ; ROY BASLER JOSHUA ; GUSTAVO CASCAO

PEREIRA LUIS ; DANIEL TORRES PAZMINO ; DAVID A ESTELL ; ESTELL DAVID A ; JAMES T KELLIS ; CASC O PEREIRA LUIS G

Inventor(s): JAMES T KELLIS JR ; CASCAOPEREIRA LUIS GUSTAVO ; DANIEL ESTEBAN TORRES PAZMINO

Agent(s): HOULIHAN2; HOULIHAN²; HOULIHAN² PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; FORREST GRAHAM ROBERT; YAMASAKI YUKUZO; AKAMATSU TOSHIAKI; DANISCO US INC; POWERS MARGARET A

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47L15/42 A61K38/16 A61K8/66 B08B3/08 C07H21/04 C07K1/00 C11D1/00 C11D3/386 C11D7/42 C12N1/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/57 C12N15/63 C12N5/10 C12N9/00 C12N9/50 C12N9/52 C12N9/54 C12N9/56 C12N9/64 C12P21/00 C12S9/00 D06F35/00 G02C13/00 (Advanced/Invention)

International class (IPC 1–7): C07K14/32 C11D3/386 C12N1/21 C12N15/57 C12N15/63 C12N9/54

CPC: C12N9/52 C12N9/64 C12N9/54 C12Y304/21062 C11D3/386

European class: C12N9/52 C12N9/64

US class: 1/1 435/221 435/221P 435/226 435/243 435/243S 435/252.3 435/252.31 435/252.33 435/252.35 435/254.11 435/254.3 435/264 435/264S 435/320.1 435/320.100S 435/325 435/325S 536/23.2 536/23.200S

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Forward Citations: WO17100720, WO17089162, WO17083229, WO17083228, WO17083226, WO17079756, WO17079751, WO16205755, WO16201069, WO16201044, WO16201040, WO16106011, WO16069569, WO16069569, WO16069557, WO16069552, WO16069548, WO16069544, WO16065238, WO16061438, WO16056913, WO15195960, WO15195777, WO15144936, WO15138283, WO15123323, WO15095358, WO15089447, WO15089441, WO15077126, WO15073772, WO15057619, WO15050724, WO15050723, WO14204596, WO14200658, WO14200657, WO14200656, WO14194117, WO14194054, WO14194034, WO14194032, WO14164800, WO14164777, WO14099525, WO14099523, WO14043427, WO12151480, US9234338, US2016152962, US2015159147, US2015064767, US2015056682, US2014154782, US2013260438, US2013123162, US2011256609, US2011076260, CN102858970, CN102858970,

Abstract:
Source: US2011262999A The present invention provides protease variants, compositions comprising protease

variants, and methods of using such protease variants and compositions.

0) US2009156988A – CIRCULATORY MONITORING SYSTEMS AND METHODS

21) Family number: 43385109 (US2009156988A) © PatBase

Title: CIRCULATORY MONITORING SYSTEMS AND METHODS

Priority:

US20070004107 20071218
US20070004453 20071219
US20070005122 20071220
US20070005154 20071221
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Family:

Publication number	Publication date	Application number	Application date
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US9672471 BB	20170606	US20090387458	20090430	
US9717896 BB	20170801	US20070004107	20071218	

Probable Assignee: GEARBOX LLC

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Assignee(s): SEARETE LLC A OF STATE OF DELAWARE CORP LTD ; SEARETE LLC A LOMITED LIABILITY OF STATE OF DELAWARE CORP ; SEARETE LLC A LIABILITY OF STATE OF DELAWARE CORP ; SEARETE LLC A LIABILITY OF STATE OF DELAWARE CORP LTD ; SEARETE LLC A LIABILITY OF STATEOF DELAWARE CORP ; SEACRETE LLC A LIABILITY OF STATE OF DELAWARE CORP LTD

Inventor(s):(std)**:** BOYDEN EDWARD S ; FERREN BRAN ; HAGEN JEFFREY JOHN ; HYDE RODERICK A ; ISHIKAWA MURIEL Y ; LEUTHARDT ERIC C ; RIVET DENNIS J ; WOOD JR LOWELL L ; WOOD VICTORIA Y H

Inventor(s): WOOD VICTORIA YH

Agent(s): SEARETE LLC CLARENCE T TEGREENE; SEARETE LLC

International class(IPC 8–9)**:** A47C31/00 A47C7/62 A61B5/00 A61B5/01 A61B5/02 A61B5/021 A61B5/026 A61B5/05 A61B5/08 A61B5/145 A61B6/00 A61B6/12 A61B8/08 A61F2/06 A61F5/40 A61G5/00 A61G5/04 A61K9/22 A61M31/00 A61M37/00 A61M39/24 A61M5/00 A61M5/142 A61M5/172 A61N1/08 G06F15/18 G06F19/00 G06G7/60 G06K9/00 G06N5/02 G06N7/02 G06N99/00 G08B23/00 G11C19/00 (Advanced/Invention);
A61B5/00 A61M31/00 A61M5/172 G06N7/02 (Advanced/Non–invention);
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G06N7/00 (Core/Non–invention)

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K61M5/172B K61M5/172B2 S06F19/34K S06T207/10024 S06T207/30101

US class: 280/250.1 280/250.100S 297/217.1 340/573.1 340/573.100P 340/573.100S 356/432 356/433 377/64 377/64S 382/128 382/128S 600/300 600/300S 600/301 600/301P 600/310 600/407 600/407P 600/407S 600/437 600/437P 600/473 600/476 600/479 600/481 600/481P 600/481S 600/484 600/485 600/485S 600/504 600/504P 600/504S 600/508 600/508S 600/529 600/529S 600/534 600/549 600/549P 600/587 600/587P 604/266 604/508 604/65 604/65P 604/66 604/66P 604/66S 604/891.1 604/891.100P 606/201 606/201S 607/60 607/60S 607/88 607/89 623/1.42 623/1.420P 703/11 703/11S 706/12 706/12S 706/46 706/46S 706/52 706/52S 706/54 706/54S

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Abstract:
Source: US2009156988A Systems and methods are described for obtaining and acting upon information indicative of circulatory health and related phenomena in human beings or other subjects. Some involve implementing or deploying therapeutic administration systems, for example, for obtaining a priori implant information and signaling a decision whether to initiate implant−site−targeting treatment partly based on the a priori implant information and partly based on one or more other clot−indicative determinants; or obtaining a flow−change−indicative measurement and signaling a decision whether to administer one or more clot−reducing agents at least partly based on the flow−change−indicative measurement; or obtaining one or more indications of a lytic material in a vicinity of one or more body lumens and accelerating a decrease in a local concentration of the lytic material in the vicinity of the one or more body lumens by causing one or more elements to extract at least a portion of the lytic material in the vicinity of the one or more body lumens in response to the one or more indications of the lytic material in the vicinity of the one or more body lumens; or one or more capture components configured to accelerate a decrease in a local concentration of one or more therapeutic structures along a downstream portion of a vasculature and one or more dispensation components configured to release the one or more therapeutic structures into an upstream portion of the vasculature.

0) US2006011144A – TRAINING, MANAGEMENT, AND/OR ENTERTAINMENT SYST...

22) Family number: 32564420 (US2006011144A) © PatBase

Title: TRAINING, MANAGEMENT, AND/OR ENTERTAINMENT SYSTEM FOR CANINES,FELINES, OR OTHER ANIMALS

Priority:
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Family:

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Assignee(s):(std)**:** KATES LAWRENCE ; LAWRENCE KATES

Assignee(s): NEST LABS INC ; KNOBBE MARTENS OLSON AND BEAR LLP ; GOOGLE INC

Inventor(s):(std)**:** KATES LAWRENCE ; LAWRENCE KATES

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; ROBIC; KNOBBE MARTENS OLSON AND BEAR LLP; FULWIDER PATTON LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ

GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A01K15/00 A01K15/02 A01K15/04 A01K27/00 A01K29/00 A01K39/00 A01K39/02 A01K7/00 G01S1/02 G01S13/66 G01S19/17 G01S19/34 G08B23/00 (Advanced/Invention); A01K15/00 A01K27/00 A01K29/00 (Core/Invention)

International class (IPC 1–7): A01K15/02 A01K27/00

CPC: A01K27/009 Y10S119/908 G01S1/70 A01K15/02 A01K15/021 G01S5/0027 G01S13/825 G01S13/86 G01S15/025

European class: A01K15/02 A01K15/02A A01K27/00H G01S1/70 G01S13/82B G01S13/86 G01S15/02C G01S5/00R1A

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Classification Explorer

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Abstract:
Source: US2006011144A A computer−aided training and management system that uses a computer or other processor in wireless communication with an instrumented dog collar and/or optionally, one or more dog interaction devices, such as, for example, video monitors, loudspeakers, video cameras, training toys (e.g., ball, bone, moving toy, etc.), an animatronics "trainer," a treat dispenser, a food dispensing and monitoring device, a water dispensing and monitoring device, tracking devices, a dog door, dog−monitoring doghouse, a dog−monitoring dog toilet, is described. In one embodiment, the instrumented dog collar is in two−way communication with a central computer system.

- **search:** SS2 FT=(water and dispenser* and organizer) (Results 261)
- List: SS2 1−50 (FT=(water and dispenser* and organizer)) (Results 261)

0) US2006260333A – INSULATED ICE COMPARTMENT FOR BOTTOM MOUNT REFR...

1) Family number: 33812355 (US2006260333A) © PatBase

Title: INSULATED ICE COMPARTMENT FOR BOTTOM MOUNT REFRIGERATOR

Priority:

CA20062542087	20060406	CA20062544815	20060424	US20060329569	20060111
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US20170432373	20170214				

Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: WHIRLPOOL CO

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Assignee(s): WHIRPOOL CORP ; WHIRLPOOL CORP

Inventor(s):(std)**:** ANELL THOMAS C ; ANELL THOMAS CARL ; BERARDI GREG ; ANDERSON TROY M ; COULTER TIM L ; FERRAGUT II NELSON J ; FERRAGUT NELSON J ; FERRAGUT NELSON J II ; FRANKEN CARL J ; FU XIA YONG ; FU XIAOYONG ; GOSE THOMAS E ; HERNDON STEVEN G ; JENKINS JAMES H ; JENKINS JAMES H JR ; JENKINS JR JAMES H ; KOONS BILL J ; KOPPENHAVER BRENT A ; KRAMER BRENT A ; LEIMKUEHLER SCOTT W ; MARTIN DEAN A ; MILLER ALVIN V ; NOEL KEVIN L ; COULTER TIM LEE ; NOEL KEVIN LEE ; NURRE JOSEPH M ; OLIVEIRA MAURO M ; OLIVERIA MAURO M ; OTT LESTER J ; PAULSEN RON S ; ROTTER CHAD J ; ROUSH DOUG M ; SCHUCHART RYAN D ; SILBAUGH ERIC K ; STAUFFER DAVID A ; STAUFFER DAVID ALLEN ; TARRANT ALAN G ; TUNZI SCOTT T ; TUNZI SCOTT TIMOTHY ; TUNZI TODD J ; VAN METER KYLE B ; WELCH ALAN M ; WETEKAMP ROBERT L

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Agent(s): FINLAYSON AND SINGLEHURST; MCKEE VOORHEES AND SEASE PLC ATTN MAYTAG; WHIRLPOOL PATENTS CO MD 0750; WHIRLPOOL PATENTS CO; KIRK; MICHAEL D; KIRK W; GOODWIN KIRK; LAFRENZ MICHAEL D; MCKEE VOORHEES AND SEASE PLC; MCKEE WOORHEES AND SEASE PLC; MCKEE VOORHEES AND SEASE; MCKEE VORHEES AND SEASE PLC; JOHN W; NYEMASTER GOODE PC

International class (IPC 8–9): A47B81/00 A47B96/04 B21K21/00 B23P15/26 B67D5/62 B67D7/80 E03B7/12 F16K1/00 F25B1/00 F25B21/02 F25B49/00 F25B49/02 F25C1/00 F25C1/04 F25C1/12 F25C1/22 F25C1/24 F25C5/00 F25C5/18 F25D11/00 F25D11/02 F25D13/02 F25D13/04 F25D17/02 F25D17/04 F25D17/06 F25D17/08 F25D19/00 F25D21/06 F25D21/08 F25D23/00 F25D23/02 F25D23/06 F25D23/12 F25D29/00 F25D3/00 F25D3/02 F25D31/00 G05B15/00 G07F11/00 (Advanced/Invention);
F25B21/02 F25C5/00 F25D17/04 F25D27/00 (Advanced/Non–invention);
B21K21/00 B67D7/80 F25B1/00 F25B49/00 F25C1/00 F25C1/04 F25C1/12 F25C1/22 F25C5/00 F25D11/00 F25D11/02 F25D13/00 F25D17/04 F25D17/06 F25D17/08 F25D21/06 F25D23/00 F25D23/02 F25D23/12 G05B15/00 G07F11/00 (Core/Invention)

CPC:

F25B2600/0251 F25D2400/04 Y02B30/743 Y10T137/1189 Y10T29/49359 F25C5/185 F25D23/025 Y10S292/37 Y10S292/71 B23P15/26 F25C1/00 F25D23/00 F25D23/064 F25C5/007 F25C1/04 F25D31/00 F25D23/061 F25D23/063 F25D23/066 F25D23/12 F25D2201/10 F25D2317/067 F25D23/04 F25D23/126 F16K19/00 F25D21/04 F25D2323/122 F25B2600/112 F25C5/187 F25D2317/061 F25D2317/0666 F25D2317/0682 F25D2323/021 F25D2400/02 F25D2700/02 F25D2700/12 F25D2700/121 F25D2700/122 F25D2700/14 F25D29/00 F25D17/045 F25D11/02 F25D27/00 F25D17/065 F25B21/02 F25C5/005

European class: F25C5/00B2 F25C5/18B2 F25D11/02 F25D17/06A1 F25D23/02C F25D29/00 R25B21/02 R25B600/0251 R25B600/112 R25C5/00B2 R25D17/04A2 R25D27/00 R25D317/0666 R25D317/067 R25D317/0682 R25D323/021 R25D400/02 R25D400/04 R25D700/02 R25D700/12 R25D700/121 R25D700/122 R25D700/14 Y02B30/74D Y02B40/32

US class: 1/1 137/59 137/59S 138/27 211/74 220/592.02 220/592.020P 221/150.00RS 221/150R 251/318 251/318S 29/890.035 29/890.035S 292/DIG.37 292/DIG.71 312/401 312/404 312/404S 312/405.1 312/406.1 312/408 312/408S 49/501 62/129 62/132 62/132P 62/135 62/135P 62/137 62/151 62/151P 62/157 62/186 62/187 62/187P 62/187S 62/190 62/208 62/228.1 62/228.100P 62/228.2 62/228.200S 62/233 62/275 62/275S 62/276 62/276S 62/337 62/337S 62/338 62/339 62/340 62/340P 62/340S 62/344 62/344P 62/344S 62/347 62/348 62/348P 62/349 62/353 62/389 62/389S 62/401 62/401S 62/407 62/407P 62/407S 62/408 62/408S 62/419 62/419S 62/420 62/420S 62/424 62/425 62/426 62/440 62/440P 62/440S 62/441 62/441S 62/449 62/449S 62/457.4 62/56 62/56 62/66 62/74 62/89 62/98 62/98P 623/440 700/275 700/275P D15/89 D15/89

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Classification Explorer

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Abstract:
Source: US2006260333A A refrigerator includes a refrigerator cabinet, a fresh food compartment disposed within the cabinet, a freezer compartment disposed within the cabinet, an ice compartment disposed within the cabinet, and an electronic control system associated with the refrigerator and adapted to monitor and control the fresh food compartment, the freezer compartment and the ice compartment. The control system provides for energy efficient control and operation through various means, including by monitoring state of an ice maker associated with the ice compartment and controlling temperature within compartments of the refrigerator based on the ice maker state. The control system can also use correlations in determining appropriate temperatures for different compartments within the refrigerator.

0) US2013081300A – VACUUM CYCLING DRYING

2) Family number: 51717005 (US2013081300A) © PatBase

Title: VACUUM CYCLING DRYING

Priority: US20110439304P 20110203 US20110479298P 20110426 US20110578874P 20111221 US20120624545 20120921 US20110541995P 20110930 US20120983482 20120203 WO2012US23795 20120203

Family:

Publication number	Publication date	Application number	Application date
AU2012212042 AA	20120809	AU20120212042	20120203
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Inventor(s):(std)**:** GRAY DONALD J ; TRAN PAUL BUI VINH

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; NA; DOERRIES HANS ULRICH; BROWN MARSHALL J ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47K10/20 A47K10/42 B65D83/08 B65H1/08 F26B5/04 (Advanced/Invention)

CPC: F26B5/04 F26B21/10 F26B21/14 B65H1/08 A47K10/42

European class: A47K10/42

US class: 221/45 34/412

Classification Explorer

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Forward Citations: US9676542, US9561681, US9265364, US2016143457, US2016073837, US2015353266, US2015076169, US2013193158,

Abstract:
Source: US2013081300A The invention generally relates to methods and systems of drying objects containing interior surfaces. In particular, the present invention provides a method which alternates vacuum and pressure with heated gases to enhance interior drying of parts. More particularly, the method cycles the chamber through a vacuum phase that rapidly removes vapor from the object both convectively and through boiling followed by a pressure phase that delivers heat and fresh gases to difficult regions of the objects to be dried.

0) US2001017817A – PRODUCT LABELING METHOD AND APPARATUS

3) Family number: 28313446 (US2001017817A) © PatBase

Title: PRODUCT LABELING METHOD AND APPARATUS

Priority:

CA19972225353 19971219 US19960033491P 19961220 US19970832613 19970328
US19980007290 19980114 US19980170169 19981013 US19970834634 19970414
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WO1999US25875 19991102

Family:

Publication number	Publication date	Application number	Application date
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WO0025720 B1	20001026	WO1999US25875	19991102	
WO0025720 C2	20010201	WO1999US25875	19991102	

Probable Assignee: SOUTHWEST TECHNOLOGY INNOVATIONS LLC

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Assignee(s): SOUTHWEST TECHNOLOGY INNOVATIONS LLC ; SOUTHWEST TECHNOLOGY INNOIVATIONS LLC ; DELAHUERGA CARLOS ; DLH TECHNOLOGY LLC ; POMPARE TECHNOLOGIES LLC ; B BRAUN MEDICAL INC ; CARLOS DE LA HUERGA

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Inventor(s): CARLOS DE LA HUERGA

Agent(s): MBM AND CO; MOFFAT AND CO; QUARLES AND BRADY LLP; ANDRUS SCEALES STARKE AND SAWALL LLP; QUARLES AND BRADY

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): A61J1/00 A61J1/03 A61J1/14 A61J7/00 A61J7/04 A61M5/14 A61M5/142 A61M5/168 B42D15/00 B65B59/00 B65C3/08 B65D85/00 E04C5/12 G04B37/00 G04B47/00 G04G15/00 G04G21/04 G06F1/00 G06F13/00 G06F15/173 G06F17/00 G06F17/60 G06F19/00 G06F21/00 G06K5/00 G06Q50/00 G07C9/00 G07F11/00 G07F17/00 G08B13/14 G09F3/00 G09F3/04 H04L29/06 (Advanced/Invention); G06F19/00 G06K17/00 (Advanced/Non–invention); A61J1/00 A61J1/14 A61J7/00 A61M5/142 A61M5/168 B65C3/00 E04C5/12 G04B47/00 G04G1/00 G04G15/00 G06F1/00 G06F17/00 G06F19/00 G06F21/00 G06K5/00 G07C9/00 G07F11/00 G07F17/00 G08B13/14 G09F3/00 G09F3/04 (Core/Invention); G06K17/00 (Core/Non–invention)

International class (IPC 1–7): A61J7/04 E04C5/12 G04B37/00 G04B47/00 G06F13/00 G06F15/16 G06F17/00 G06F17/30 G06F3/00 G08B13/14 G08B23/00 H04L9/00 H04L9/30 H04L9/32

CPC: Y10S707/99945 Y10S707/99948 G04R60/04 A61J2205/20 A61J2205/50 A61J2200/70 G06K2017/009 G04G15/006 G09F3/005 G04G21/04 G06F19/322 G06F19/326 G06F19/327 G06F19/3418 H04L63/0492 H04L63/0853 H04L63/105 H04L63/108 A61J2200/30 G06F21/35 G06F2221/2111 G07C9/00111 E04C5/12 A61J1/03 A61J1/1437 G06K19/07762 A61J7/0046 A61J7/04 A61J7/0481 A61J1/035 A61J7/0084 A61J7/0418 A61J7/0436 A61J7/0445 A61J7/0454 Y10T24/44077 Y10T24/44034 Y10T24/3909 G07C9/00182 G06F19/3462 G06F19/366 B65C9/46 B41J3/4075 G01N2035/00861 B01L3/545 A61M37/00 A61M5/14212 A61J2205/10 A61J2205/30 A61J2205/60 A61J2205/70 A61M5/16827 A61M2205/3561 A61M2205/3569 A61M2205/3592 A61M2205/60 A61M2205/6063 A61M2205/6072 G06F19/323 G06F19/3468 G06Q50/22 G06Q50/24

European class: A61J1/00C10 A61J1/03B A61J1/14D A61J7/00F1 A61J7/04B3 A61M5/142G A61M5/168A11 E04C5/12 G04G1/00D2 G04G15/00C G04G21/04 G06F1/00N5A2D G06F19/00A G06F19/32C G06F19/32C1 G06F19/32E3 G06F19/32G G06F19/34C G06F19/34L1 G06F19/34L3 G06F19/36C G06F21/35 G06K19/077T3D G06Q50/22 G06Q50/24 G07C9/00B10 G07C9/00E2 G09F3/00B H04L29/06C6C2 H04L63/04B16 H04L63/08E H04L63/10F K61J200/30 K61J205/10 K61J205/30 K61J205/60 K61J7/00F1 K61J7/04B1B K61J7/04B1D2 K61J7/04B1D4 K61J7/04B1G K61M205/35R2 K61M205/35R3 K61M205/35T2 K61M205/60 K61M205/60P K61M205/60P2 S06F19/32C S06F19/32C1 S06F19/34C S06F19/34L1 S06F19/36C S06F221/2111 S06K17/00W34 T04L63/10D

US class: 1/1 156/42S 206/459.5 221/129 221/15 221/2 221/2S 221/9 221/9S 222/1 222/1S 235/375 235/375P 235/380 235/382 24/122.6 24/459 24/464 283/67 283/67S 283/81 340/10.41 340/10.51 340/3.1 340/5.1 340/5.61 340/5.74 340/5.8 340/5.81 340/539.1 340/539.12

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GB2437228, GB2426616, GB2397417, GB2391857, GB2391857, GB2385846, GB2385846, GB2385845, GB2369898, GB2352841, FR2987997, FR2915105, FR2908915, FR2871603, FR2866459, FR2825489, FR2822255, FR2787317, EP3128095, EP3091456, EP3021245, EP2987517, EP2898446, EP2897085, EP2896022, EP2863971, EP2680178, EP2680177, EP2653150, EP2653150, EP2622508, EP2589011, EP2560603, EP2436361, EP2436361, EP2378748, EP2335758, EP2335758, EP2330524, EP2318965, EP2284743, EP2206487, EP2161701, EP2123318, EP2049009, EP2043502, EP2026298, EP1967128, EP1965325, EP1946787, EP1945169, EP1938770, EP1920752, EP1872814, EP1852810, EP1850826, EP1850254, EP1850254, EP1840301, EP1825877, EP1806902, EP1806902, EP1782853, EP1759360, EP1755729, EP1744262, EP1736133, EP1736133, EP1731089, EP1731089, EP1707231, EP1707231, EP1684203, EP1640926, EP1634560, EP1618852, EP1618852, EP1617895, EP1604631, EP1579884, EP1579884, EP1576972, EP1537024, EP1535231, EP1535208, EP1526484, EP1499372, EP1495746, EP1495746, EP1485856, EP1485856, EP1450640, EP1449586, EP1436029, EP1420325, EP1392944, EP1363579, EP1307788, EP1304658, EP1257913, EP1257913, EP1223532, EP1223495, EP1210052, EP1152318, EP1115054, EP1115054, EP1103793, EP1016399, EA026241, DE102011008856, DE102008012989, DE102006007793, CN105106018, CN104919441, CN104838389, CN104823193, CN104685525, CN104453358, CN104379088, CN104146872, CN104146872, CN103893857, CN103871764, CN103871764, CN103685153, CN103558750, CN103558749, CN103558749, CN103501753, CN103443595, CN103430182, CN103371673, CN103279911, CN102822830, CN102781495, CN102768707, CN102725011, AU783204, AU2011208652, AU2010323215, AU2010212436, AU2009212560, AU2008338449, AU2008318742, AU2008275054, AU2007351001, AU2007351001, AU2007316749, AU2007316749, AU2006244085, AU2006213718, AU2006212698, AU2005249898, AU2004309424, AU2004209134, AU2004209120, AU2003261422, AU2003261422, AU2003241480, AU2003231776, AU2003228727, AU2003212498, AU2002226231, AU2001232049, AT513089,

Abstract:
Source: US2001017817A A method and apparatus for configuring indicating configurations for containers wherein at least a subset of indicating configurations include an enhanced indicating device such as an electronic storage device, the containers to include enhanced devices being a function of whether or not the end user uses an interacting device capable of receiving information from the enhanced devices, the method and system indicating whether or not standard or enhanced containers should be used for specific prescriptions or orders and, in some cases, automatically providing the correct container and specifying (i.e., printing and writing) information to the containers.

0) US2014275083A – 3–PYRIMIDIN–4–YL–OXAZOLIDIN–2–ONES AS INHIBITOR...

4) Family number: 57409881 (US2014275083A) © PatBase

Title: 3–PYRIMIDIN–4–YL–OXAZOLIDIN–2–ONES AS INHIBITORS OF MUTANT IDH

Priority: US20130783210P 20130314 US20130892131P 20131017 US20140208015 20140313 US20140408418 20140312 US20160209731 20160713 US20140408418 20141216 WO2014IB59695 20140312

Family:

Publication number	Publication date	Application number	Application date
AP201508707 A0	20150930	AP20150008707	20140312
AR095311 AA	20151007	AR2014P101012	20140314
AU2014229313 AA	20140918	AU20140229313	20140312
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CR20150491 A	20160129	CR20150000491	20150914
CU20150119 A7	20160629	CU20150000119	20150914
DOP2015000240 A	20151215	DO20150000240	20150914
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US2015152093 AA	20150604	US20140408418	20140312
US2016318915 AA	20161103	US20160209731	20160713
US9434719 BB	20160906	US20140408418	20140312
US9688672 BB	20170627	US20160209731	20160713
UY35470 A1	20141031	UY20140035470	20140314
WO14141104 A1	20140918	WO2014IB59695	20140312

Probable Assignee: NOVARTIS AG

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/4192 A61K31/42 A61K31/422 A61K31/4245 A61K31/425 A61K31/427 A61K31/433 A61K31/506 A61K31/5377 A61K45/00 A61P35/00 A61P35/02 A61P43/00 C07D C07D209/04 C07D213/02 C07D231/00 C07D233/00 C07D247/02 C07D249/04 C07D261/06 C07D263/20 C07D263/30 C07D265/30 C07D271/06 C07D271/10 C07D277/20 C07D285/12 C07D413/04 C07D413/14 C07D417/14 (Advanced/Invention);
A61P35/00 (Advanced/Non–invention);
A61P35/00 C07D413/14 (Core/Invention);
A61K A61P C07D (Subclass/Invention)

CPC: A61K45/06 A61K31/506 A61K31/5377 C07D413/14 C07D413/04 C07D417/14 A61K31/422 A61K31/4245

US class: 1/1 514/235.8 514/252.19 514/255.05 514/275 544/122 544/295 544/296 544/323 544/324

Classification Explorer

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AU2010291318 AA,

Forward Citations: WO17106656, WO17019897, WO17019894, WO16100882, WO16061142, WO16057841, WO15138920, US9713606, US9688672, US9458177, US9434719, US9296733,

Abstract:
Source: US2014275083A The invention is directed to a formula (I): or a pharmaceutically acceptable salt thereof, wherein R1, R2a, R2b and R3−R7 are herein. The invention is also directed to compositions containing a compound of formula (I) and to the use of such compounds in the inhibition of mutant IDH proteins having a neomorphic activity. The invention is further directed to the use of a compound of formula (I) in the treatment of diseases or disorders associated with such mutant IDH proteins including, but not limited to, cell−proliferation disorders, such as cancer.

0) US5993047A – APPARATUS AND METHOD FOR REQUESTING AND DISPENS...

5) Family number: 47754027 (US5993047A) © PatBase

Title: Apparatus and method for requesting and dispensing negotiable instruments

Priority: US19970942957 19971002 US19970943383 19971002 US20000498960 20000204 US20000498958 20000204 WO1998US19681 19980922

Family:

Publication number	Publication date	Application number	Application date
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US6352201 BA	20020305	US20000498958	20000204
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WO9918549 A2	19990415	WO1998US19681	19980922
WO9918549 A3	19990916	WO1998US19681	19980922

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Inventor(s): GLENN KURLANDER ; JOHN C NOVOGROD

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; SMART AND BIGGAR

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

International class (IPC 8–9): G06Q10/00 G06Q20/00 G06Q20/04 G06Q40/00 G07D9/00 G07F19/00 G07F7/10 H04M1/00 H04M11/00 (Advanced/Invention); G06Q10/00 G06Q20/00 G06Q40/00 G07D9/00 H04M1/00 H04M11/00 (Advanced/Non–invention); G06Q10/00 G06Q20/00 G06Q40/00 G07D9/00 G07F19/00 H04M1/00 H04M11/00 (Core/Invention)

International class (IPC 1–7): G06F13/14 G06F17/00 G06F17/60 G06F7/00 G07D9/00 G07F G07F19/00 G07F7/10 H04M1/00 H04M11/00

CPC: G06Q20/042 G07F19/20 G07F19/203 G06Q20/10 G06Q20/105 G06Q20/206 G06Q20/209

European class: G06Q20/042 G06Q20/10 G06Q20/105 G06Q20/206 G06Q20/209 G07F19/00F G07F19/20 G07F19/203

US class: 235/379 235/381 235/472.01 364/479.01 364/479.05 700/231 700/235 705/18 705/24 705/39 705/41 902/8

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Abstract:
Source: US5993047A The present invention provides an apparatus and method for requesting and dispensing negotiable instruments such as bank checks, money orders, and traveler's checks. An instrument may be requested in this apparatus and method by a bank customer from a telephone, a computer, a fixed−location dispenser, or a portable, hand−held dispenser that is in communication with a bank computer. This request may be made orally, using touch tones, or using data transmission over a communication network that may include telephone lines, two−way radio links, microwave links, satellite links, cellular telephone links, computer networks, and the Internet. After a request is processed and approved, the requested instrument may then be dispensed at any time in this apparatus and method to the bank customer or another party from any receive−only dispenser, fixed−location dispenser, or portable, hand−held dispenser that is also in communication with the bank computer.

0) US2010184776A – PIPERIDINE/PIPERAZINE DERIVATIVES

6) Family number: 42650953 (US2010184776A) © PatBase

Title: PIPERIDINE/PIPERAZINE DERIVATIVES

Priority:

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Inventor(s): DE WAEPENARET KATHARINA ANTONIA GERMANIA JM ; ANATOL LUTHER ; BRIAN JOEL HRUPKA ; BOECKY GUSTAAF MARIA ; CHRISTOPHE FRANCIS ROBERT NESTOR BUYCK ; GUY ROSALIA EUGEEN VAN LOMMEN ; GUSTAAF MARIA BOECKX ; KATHARINA ANTONIA GERMANIA JM DE WAEPENAERT ; KATHARINA ANTONIA GERMANIA J M DE WAEPENAERT ; MONIQUE JENNY MARIE BERWAER ; PETR VLADIMIRIVICH DAVIDENKO ; BRAKEN MIRIELL' ; BONGARTZ ZHAN−P'ER ANDRE MARK ; VAN LOMMEN GUY ROSALIA EUGEENBE ; RUVENS PETER VAL'TER MARIJA ; ROEVENS PETER WALTER MARIABE ; PETR VLADMIRIVICH DAVIDENKO ; PHILIPP ERMERT ; MEERPOEL LIEVENBE ; JEAN PIERRE ANDRE MARC BONGARTZ ; JOANNES THEODORUS MARIA LINDERS ; LINDERS JOANNES THEODORUS MARIABE ; GO ; DE WAEPENAERT KATHARINA ANTONIA GERMANIA J MBE ; DE WAEPENAERT KATHARINA ANTONIA GERMANIA JM ; DAVIDENKO PETR VLADIMIRIVICH MOSCOW ; DAVIDENKO PETR VLADIMIRIVICHRU ; DE VAPENART KATARINA ANTONIJA GERMANIJA ZH.M. ; BUYCK CHRISTOPHE FRANCIS ROBERT NESTOR AND ; BUYCK CHRISTOPHE FRANCIS ROBERT NESTORBE ; BUYCK CHRITO ; CO ; COESEMANS ERWIN AND ; COESEMANS ERWINBE ; DANIEL OBRECHT ; BONGARTZ, JEAN−PIERRE ANDRE MARC ; BRAEKEN MIRIELLEBE ; BRAEKN MIRIELLE ; BERWAER MONIQUE JENNY MARIEBE ; BOECKX GUSTAAF MARIABE ; BONGARTZ JEAN PIERRE ANDRE MARCBE

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GOWLING WLG CANADA LLP; GOWLING LAFLEUR HENDERSON LLP; SARGENT; QUAGHEBEUR LUC; VERVOORT LIESBETH; LINAGE RAFAEL; ISERN JORGE; LEHMANN MARIA ISABEL; PHILIP S JOHNSON JOHNSON AND JOHNSON; JANSSEN PHARMACEUTICA NV

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC

LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

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A61P11/00 A61P13/00 A61P15/00 A61P17/00 A61P19/00 A61P25/00 A61P29/00 A61P35/00 A61P5/00 A61P7/00 A61P9/00 C07D403/12 (Core/Non–invention)

International class (IPC 1–7): A61K31/451 A61K31/495 A61K31/496 A61K31/4965 A61P3/04 A61P3/06 A61P3/08 C07D207/12 C07D211/16 C07D213/56 C07D231/12 C07D239/14 C07D249/08 C07D249/12 C07D265/30 C07D271/06 C07D271/107 C07D277/56 C07D295/04 C07D295/104 C07D295/14 C07D295/20 C07D307/52 C07D307/78 C07D307/79 C07D317/48 C07D319/14 C07D401/04 C07D401/10 C07D401/12 C07D417/04 C07D487/04 C07D513/04

CPC: C07D239/42 C07D249/12 C07D271/06 C07D487/04 C07D401/10 C07D271/107 C07D513/04 C07D239/26 A61K31/495 C07D207/323 C07D231/12 C07D233/54 C07D233/64 C07D235/18 C07D249/08 C07D257/04 C07D263/34 C07D277/56 C07D279/02 C07D279/12 C07D295/20 C07D307/54 C07D319/18 C07D401/12 C07D417/12 C07D417/14 A61K45/06 A61K31/216 A61K31/496 C07D295/205 C07D207/09 C07D211/26 C07D211/38 C07D213/40 C07D213/56 C07D213/61 C07D213/75 C07D233/18 C07D295/192 C07D295/21 C07D295/215 C07D295/24 C07D295/26 C07D307/52 C07D307/79 C07D309/04 C07D317/58 C07D333/24 C07D207/277 A61K31/451 A61K2300/00 A61K31/4523 A61K31/454 C07D211/60 C07D401/04 C07D271/10

European class: A61K31/216 A61K31/451 A61K31/495 A61K31/496 A61K45/06 C07D207/09 C07D207/323 C07D211/26 C07D211/38 C07D213/40 C07D213/56 C07D213/61 C07D213/75 C07D231/12 C07D233/18 C07D233/54 C07D233/64 C07D235/18 C07D239/26 C07D239/42 C07D249/08 C07D249/12 C07D257/04 C07D263/34 C07D271/06 C07D277/56 C07D279/02 C07D279/12 C07D295/192 C07D295/20 C07D295/205 C07D295/21 C07D295/215 C07D295/24 C07D295/26 C07D307/52 C07D307/54 C07D307/79 C07D309/04 C07D317/58 C07D319/18 C07D333/24 C07D401/12 C07D417/12 C07D417/14 C07D487/04 C07D513/04

US class: 1/1 514/210.18 514/210.180P 514/222.2 514/222.200S 514/227.8 514/227.800S 514/234.2 514/235.8 514/235.800P 514/235.800S 514/252.11 514/252.110P 514/252.110S 514/252.14 514/252.140S 514/252.18 514/252.180P 514/253.01

514/253.010S 514/253.09 514/254.01 514/254.010S 514/254.02 514/254.020S 514/254.03 514/254.030S 514/254.05 514/254.050S 514/254.06 514/254.060S 514/254.1 514/254.100S 514/254.11 514/254.110S 514/255.01 514/255.010S 514/255.03 514/315 514/315S 514/326 514/326S 514/330 514/330S 544/121 544/121S 544/295 544/295S 544/3 544/357 544/357S 544/360 544/360S 544/366 544/366S 544/367 544/367S 544/368 544/368S 544/369 544/370 544/370S 544/371 544/371S 544/372 544/372S 544/376 544/376S 544/379 544/379S 544/390 544/390S 544/391 544/392 544/393 544/3S 544/58.2 544/58.200S 546/189 546/199 546/208 546/208S 546/209 546/209S 546/210 546/210S 546/211 546/226 546/245 546/245S

Classification Explorer

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Forward Citations: WO17108569, WO14054053, WO13087738, WO13049621, WO11002067, WO10091041, WO09147170, WO09147170, USRE46117, US9724418, US9688696, US9567510, US9561217, US9499567, US9452980, US9227935, US9156830, US9120821, US9107946, US9017722, US9012159, US8981094, US8952004, US8946228, US8937176, US8912208, US8889677, US8883789, US8846948, US8835451, US8835437, US8822464, US8796467, US8741892, US8716277, US8642774, US8633197, US8450317, US8362249, US8217065, US8188092, US8084478, US8017603, US8003676, US7994179, US7879850, US7795283, US7749997, US2010273781, TWI460175, KR101154539, KR101083421, JP5385263, JP2016041740, JP2015530368, JP2013515026, JP2010535218, JP2010529089, CN102781915, AU2010335277, AU2009253892,

Abstract:
Source: US2010184776A The invention relates to a DGAT inhibitor of formula (I) including any stereochemically isomeric form thereof, wherein A represents CH or N; X represents O or NRx; the dotted line represents an optional bond in case A represents a carbon atom; Y represents a direct bond; –NRx–C(–O)–; –C(–O)–NRx–; –NRx–C(–O)–Z–; –NRx–C(–O)–Z–NRy–; –NRx–C(–O)–Z–NRy–C(–O)–; –NRx–C(–O)–Z–NRy–C(–O)–O–; –NRx–C(–O)–Z–O–; –NRx–C(–O)–Z–O–C(–O)–; –NRx–C(–O)–Z–C(–O)–; –NRx–C(–O)–Z–C(–O)–O–; –NRx–C(–O)–O–Z–C(–O)–; –NRx–C(–O)–O–Z–C(–O)–O–; –NRx–C(–O)–O–Z–O–C(–O)–; –NRx–C(–O)–Z–C(–O)–NRy–; –NRx–C(–O)–Z–NRy–C(–O)–NRy–; –C(–O)–Z–; –C(–O)–Z–O–; –C(–O)–NRx–Z–; –C(–O)–NRx–Z–O–; –C(–O)–NRx–Z–C(–O)–O–; –C(–O)–NRx–Z–O–C(–O)–; –C(–O)–NRx–O–Z–; –C(–O)–NRx–Z–NRy–; –C(–O)–NRx–Z–NRy–C(–O)–; –C(–O)–NRx–Z–NRy–C(–O)–O–; R1 represents optionally substituted C1–12alkyl; C2–6alkenyl; C2–6alkynyl; C3–6cycloalkyl; aryl1;

aryl1C1−6alkyl; Het1; or Het1C1−6alkyl; provided that when Y represents −NRx−C(−O)−Z−; −NRx−C(−O)−Z−NRy; −NRx−C(−O)−Z−C(−O)−NRy−; −C(−O)−Z−; −NRx−C(−O)−Z−NRy−C(−O)−NRy−; −C(−O)−NRx−Z−; −C(−O)−NRx−O−Z−; or −C(−O)−NRx−Z−NRy−; then R1 may also represent hydrogen; R2 and R3 each independently represent hydrogen; hydroxyl; carboxyl; halo; C1−6alkyl; polyhaloC1−6alkyl; C1−6alkyloxyoptionally substituted with C1−4alkyloxy; C1−6alkylthio; polyhaloC1−6alkyloxy; C1−6alkyloxycarbonyl; cyano; aminocarbonyl; mono− or di(C1−4alkyl)aminocarbonyl; C1−6alkylcarbonyl; nitro; amino; mono− or di(C1−4alkyl)amino; −S(−O)p−C1−4alkyl; R4 represents hydrogen; hydroxyl; carboxyl; halo; C1−6alkyl; polyhaloC1−6alkyl; optionally substituted C1−6alkyloxy; C1−6alkylthio; polyhalo−C1−6alkyloxy; C1−6alkyloxycarbonyl wherein C1−6alkyl may optionally be substituted; cyano; C1−6alkylcarbonyl; nitro; amino; mono− or di(C1−4alkyl)amino; C1−4alkylcarbonylamino; −S(−O)p−C1−4alkyl; R6R5N−C(−O)−; R6R5N−C1−6alkyl; C3−6cycloalkyl aryl; aryloxy; arylC1−4alkyl; aryl−C(−O)−C1−4alkyl; aryl−C(−O)−; Het; HetC1−4alkyl; Het−C(−O)−C1−4alkyl; Het−C(−O)−; Het−O−; R9 represents hydrogen, halo, C1−4alkyl, C1−4alkyl substituted with hydroxyl; a N−oxide thereof, a pharmaceutically acceptable salt thereof or a solvate thereof. The invention further relates to methods for preparing such compounds, pharmaceutical compositions comprising said compounds as well as the use as a medicine of said compounds.

0) US2008318935A – SUBSTITUTED IMIDAZOHETEROCYCLES

7) Family number: 42702027 (US2008318935A) © PatBase

Title: SUBSTITUTED IMIDAZOHETEROCYCLES

Priority: EP20080771568 20080620 US20070008395 20071219 US20070936754P 20070621
US20070994422P 20070919 US20070008395P 20071219 US20070944422P 20070919
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Family:

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WO08157751 A3	20090312	WO2008US67632	20080620
ZA201000435 A	20101027	ZA20100000435	20100120

Probable Assignee: CARA THERAPEUTICS INC

Assignee(s):(std): BECKETT R PAUL ; CAMPBELL ANN MARIE ; CARA THERAPEUTICS INC ; GUSTAFSON GARY R ; HENAULT CHRISTELLE ; RALBOVSKY JANET L ; GAUSS CARLA M ; LUO ZHIYONG ; FOSTER RICHARD ; LUO ROBERT ZHIYONG ; GUSTAFSON GARY G ; KARA TERAPEUTIKS INK ; SHELEKHIN TATIANA E ; ZABLOCKI MARY MARGARET E

Assignee(s): BECKETT R ; CARA THERAPEUTICS INC SHELTON

Inventor(s):(std):

ANN MARIE CAMPBELL ; BECKETT PAUL R ; BECKETT R ; BECKETT R PAUL ; BETSKETT R PAUL ; CAMPBELL ANN MARIE ; CHRISTELLE HENAULT ; FOSTER RICHARD ; GAUSS CARLA M ; GAUSS KARLA M ; GUSTAFSON GARI R ; GUSTAFSON GARY G ; GUSTAFSON GARY R ; HENAULT CHRISTELLE ; KAMPBELL ANNA MARI ; KHENAULT CHRISTELLE ; LUO ROBERT ZHIYONG ; LUO ZHIJONG ; LUO ZHIYONG ; PAUL BECKETT R ; RALBOVSKY DZHANET L ; RALBOVSKY JANET L ; RICHARD FOSTER ; SHELEKHIN TATIANA E ; SHELEKKHIN TAT JANA E ; ZABLOCKI MARY MARGARET E ; ZHIYONG LUO

Inventor(s): TATIANA E SHELEKHIN ; SHELEKHIN TATIANA E RIDGEFIELD ; SHELEKHIN TATIANA ; RALBOVSKY JANET L SHELTON ; RALBOVSKY JANET ; PAUL R BECKETT ; R PAUL BECKETT ; LUO ZHIYONG NEW CITY ; JANET L RALBOVSKY ; GUSTAFSON GARY R RIDGEFIELD ; GUSTAFSON GARY ; GAUSS CARLA M WHITE PLAINS ; FOSTER RICHARD HOLSWORTHY ; GARY R GUSTAFSON ; GAUSS CARLA ; CAMPBELL ANN MARIE MONROE ; CARLA M GAUSS ; BECKETT R PAUL YORKTOWN HEIGHTS

Agent(s): GOLJA HAINES AND FRIEND; MBM INTELLECTUAL PROPERTY LAW LLP; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; HALLYBONE HUW GEORGE; IZQUIERDO JOSE; REINHOLD COHN AND PARTNERS; CARA THERAPEUTICS INC INTELLECTUAL PROPERTY DEPARTMENT; ALGIS ANILIONIS SENIOR INTELLECTUAL PROPERTY COUNSEL; ANILIONIS ALGIS; ALGIS; F CHAU AND ASSOCIATES LLC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

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A61K31/437 A61P29/00 A61P3/10 C07D487/04 C07D519/00 (Advanced/Non–invention);
A61K31/4353 A61K31/4985 A61K31/519 A61K31/5375 A61K31/551 A61K31/70 A61P25/00 A61P29/00 A61P3/00 C07D471/00 C07D487/00 C07H17/00 C07H19/00 (Core/Invention);
A61K C07H (Subclass/Invention)

International class (IPC 1–7): A61K31/70

CPC: C07D487/04 C07D519/00 A61K31/437

European class: C07D487/04

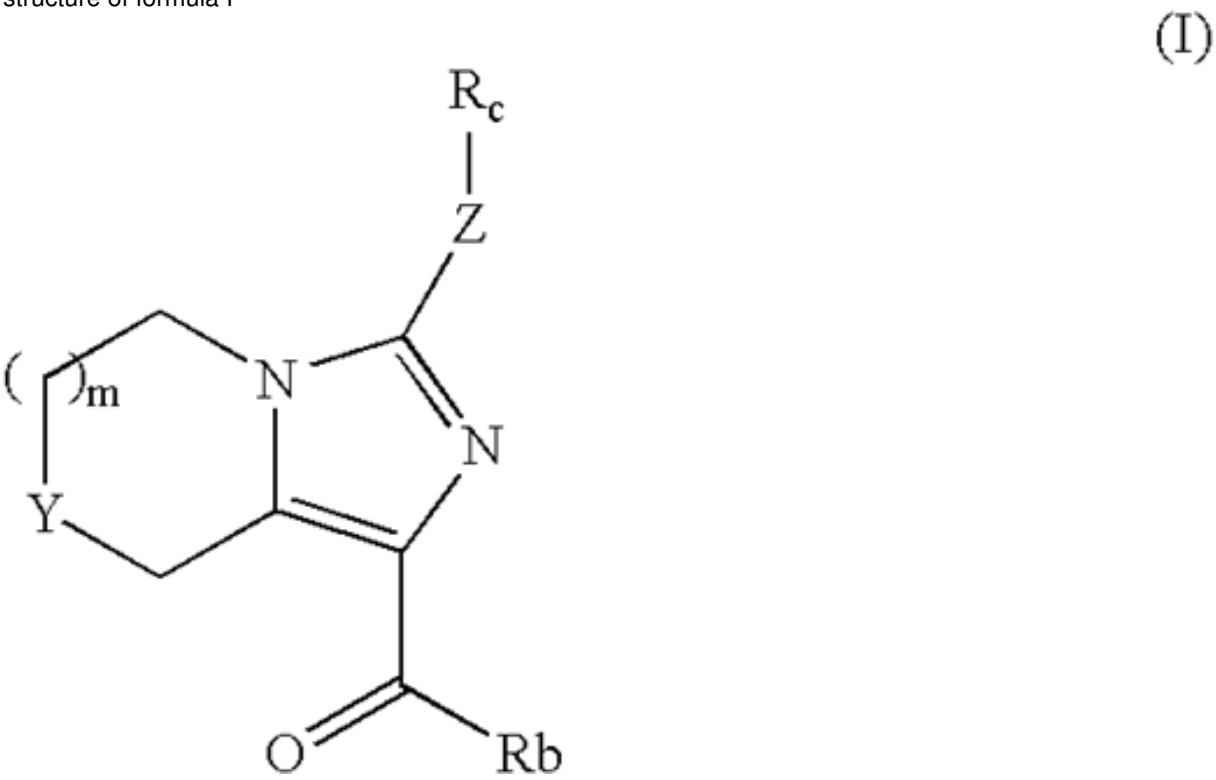
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Classification Explorer

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Forward Citations: WO17007403, WO12168162, WO11121137, WO10135944, WO10099938, WO09032754, WO09032754, US9717689, US9706944, US9700690, US9675674, US9662461, US9655850, US9630930, US9610351, US9597340, US9511198, US9492447, US9475814, US9458136, US9446133, US9446001, US9364619, US9364436, US9339615, US9283193, US9241903, US9233159, US9220687, US9192675, US8871761, US8859538, US8778950, US8618104, US8513411, US8431565, US8158628, US2012220766, US2009149450, JP2014503529, JP2012530138, JP2012516864, JP2011508735, EP3176171, EP2230241, EA023161, CN102906093, CN102906093, CN102464661, CN102341398, AU2008342461,

Abstract:
Source: US2008318935A The present invention provides substituted imidazoheterocyclic compounds having the structure of formula I



Also provided are pharmaceutically acceptable salts, acid salts, hydrates, solvates and stereoisomers of the compounds of formula I. The compounds are useful as modulators of cannabinoid receptors and for the prophylaxis and treatment of cannabinoid receptor−associated diseases and conditions, such as pain, inflammation and pruritis.

0) US2005198825A – DISPENSERS FOR RAZOR BLADE CARTRIDGES

8) Family number: 32244919 (US2005198825A) © PatBase

Title: DISPENSERS FOR RAZOR BLADE CARTRIDGES

Priority: US20040798140 20040311 US20080116048 20080506 WO2005US07477 20050308 WO2005US07477 20060908

Family:

Publication number	Publication date	Application number	Application date
AR048092 AA	20060329	AR2005P100937	20050311
AT429313 E	20090515	AT20050724915T	20050308
AU2005222588 AA	20050929	AU20050222588	20050308
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US2008201957 AA	20080828	US20080116048	20080506
WO05090020 A1	20050929	WO2005US07477	20050308

Probable Assignee: GILLETTE CO

Assignee(s):(std)**:** APPRILLE DOMENIC V ; APPRILLE DOMENIC V JR ; GILLETTE CO ; THE GILLETTE CO ; ZHILLETT KOMPANI

Assignee(s): THE GILLETTE COMPANY ; APPRILLE DOMENIC VJR ; DZE ZHILLETT KOMPANI

Inventor(s):(std)**:** APPRILLE DOMENIC ; APPRILLE DOMENIC V ; APPRILLE DOMENIC V JR ; APPRILL DOMENIK V ; APPRILLE JR D V ; APPRILLE JR DOMENIC V

Inventor(s): DOMENIC V APPRILLE ; APPRILLE DOMENIC VJR

Agent(s): PHILLIPS ORMONDE FITZPATRICK; MBM INTELLECTUAL PROPERTY LAW LLP; CHANDRANI VANDITA ET AL; NAGAI HIROSHI; FISH AND RICHARDSON PC; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9):	A45D27/22 A45D27/24 B26B11/00 B26B21/08 B26B21/24 B65D83/08 B65D83/10 (Advanced/Invention); B26B21/08 B26B21/24 B65D83/08 B65D83/10 (Advanced/Non–invention); A45D27/00 B26B11/00 B26B21/08 B65D83/08 (Core/Invention)
International class (IPC 1–7):	B26B21/24 B65D83/10
CPC:	B26B21/24 A45D27/225 B29C65/08 B29L2031/7186 B29C66/54 B26B21/08 B65D83/08 B65D83/10
European class:	A45D27/22C A45D27/24 B26B21/24 L29C65/08 L29C66/54 L29L31/7186
US class:	30/124 30/124P 30/40.2 30/40.200P
Classification Explorer	
Cited documents:	USD324299 S1, USD256998 S1, US6797657 BB, US6499595 BA, US6276061 BA, US6237232 BA, US6192586 BA, US6085426 A, US6052903 A, US6041926 A, US5956851 A, US5946805 A, US5787586 A, US5636442 A, US5518114 A, US5454164 A, US5113585 A, US4173285 A, US3797657 A, US2002184770 AA, JP5095408 U, JP0595408 U,
Forward Citations:	USD751419, USD745828, USD741200, USD647304, USD643751, USD638309, USD634649, USD633398, USD630527, USD630526, USD620376, USD596953, USD596047, USD594762, US9539734, US9526312, US9457486, US9266245, US9144914, US8595940, US8584848, US8567068, US8484852, US8479398, US8261451, US8166661, US7761999, US7278213, US2012159787, US2011197446, US2011139649, US2010281698, US2010205808, US2009071011, US2007251100, US2005223562, US2005022386, GB2467480, GB2467480, GB2462086, GB2452412, GB2435643, CN105563527, CN101410230,

Abstract:
Source: US2005198825A Dispensers are provided for razor blade cartridges used with a handle. The dispensers have a housing structure that defines sections for receiving respective cartridges and retaining the cartridges in predetermined positions that permit connection of a handle connecting structure on the handle to one of the cartridges as the handle is moved toward the cartridge. The dispensers also include a latch for each section. Each latch is shaped and positioned to interact with a corresponding feature on the blade unit of the cartridge.

0) US2007112587A – PROVIDING ASSISTANCE RELATED TO HEALTH

9) Family number: 44668496 (US2007112587A) © PatBase

Title: PROVIDING ASSISTANCE RELATED TO HEALTH

Priority:

US20050283548 20051117 US20050285500 20051122 US20050291532 20051130
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: GEARBOX LLC

Assignee(s):[(std)]: LEVIEN ROYCE A ; LORD ROBERT W ; MALAMUD MARK A ; SEARETE LLC ; RINALDO JR JOHN D ; RINALDO JOHN D ; RINALDO JOHN D JR ; LEUTHARDT ERIC C ; INVENTION SCIENCE FUND I INC ; INVENTION SCIENCE FUND I LLC ; JUNG EDWARD K Y ; JUNG EDWAD K Y ; JUNG EDWARD K ; JUNG EDWARDS K Y ; K Y JUNG EDWARD ; WOOD JR LOWELL L ; TEGREENE CLARENCE T ; WOOD LOWELL L JR ; WOOD LOWELL L ; SEARETE LLC A LTD LIBILITY COR

Assignee(s): SEARETE LLC A LIABILITY CORP LTD ; SEARETE LLC A LIABILITY OF STATE DELAWARE CORP LTD ; SEARETE LLC A LIABILITY OF STATE OF DELAWARE CORP LTD ; SEARETE LLC A LIBILITY OF STATE OF DELAWARE CORP LTD ; SEARETTE LLC ; GEARBOX LLC ; JUNG EDWARD KY ; JUNG EDWARDS K

Inventor(s):[(std)]: WOOD LOWELL L JR ; WOOD LOWELL L ; WOOD JR LOWELL L ; TEGREENE CLARENCE T ; RINALDO JR JOHN D ; RINALDO JOHN D JR ; RINALDO JOHN D ; LORD ROBERT W ; LEVIEN ROYCE A ; LEUTHARDT ERIC C ; K Y JUNG EDWARD ; JUNG EDWARDS K Y ; JUNG EDWARD K Y ; JUNG EDWARD K ; JUNG EDWAD K Y ; MALAMUD MARK A

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Agent(s): HARRIS IAN RICHARD; SEARETE LLC CLARENCE T TEGREENE; SEARETE LLC, SUITE 110; SEARETE LLC SUITE 110; SEARETE LLC; COOK DALE R; COOK DALE R ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B5/00 A61K36/00 B01D17/00 B01J19/00 B01L3/00 B03C1/01 B03C1/30 B03C1/32 B65B21/06 B65B57/00 C02F1/48 C12M1/00 C12M1/34 C12Q1/00 C12Q1/02 C12Q1/04 C12Q1/25 C12Q1/68 C12Q1/70 C40B30/00 C40B30/04 C40B40/04 C40B40/10 C40B40/12 G01N1/02 G01N1/18 G01N21/76 G01N27/00 G01N27/447 G01N30/00 G01N31/00 G01N33/00 G01N33/02 G01N33/48 G01N33/50 G01N33/53 G01N33/543 G01N33/566 G01N35/00 G01R33/12 G06F15/18 G06F17/00 G06F17/30 G06F17/40 G06F19/00 G06F3/00 G06F3/14 G06F3/16 G06F7/00 G06G7/48 G06K19/06 G06Q10/00 G06Q20/00 G06Q30/00 G06Q40/00 G06Q50/00 G06Q50/22 G06Q50/24 G06Q99/00 G08B21/12 G09B19/00 G09B23/28 (Advanced/Invention);
A61B5/00 B65B35/06 (Advanced/Non–invention);
A61B5/00 A61K36/00 B01D17/00 B01J19/00 B01L3/00 B03C1/02 B65B21/00 C02F1/48 C12M1/00 C12M1/34 C12Q1/02 C12Q1/04 C12Q1/70 C40B30/00 G01N1/02 G01N1/18 G01N27/00 G01N30/00 G01N31/00 G01N33/00 G01N33/02 G01N33/48 G01N33/50 G01N33/543 G01N35/00 G06F15/18 G06F17/00 G06F17/30 G06F17/40 G06F19/00 G06F3/00 G06F3/14 G06F3/16 G06F7/00 G06G7/00 G06K19/06 G06Q10/00 G06Q20/00 G06Q30/00 G06Q40/00 G06Q50/00 G06Q99/00 G08B21/00 G09B23/00 (Core/Invention)

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European class: A23L1/29D B01L3/00C6M14 B01L3/5027G B01L3/5027H B01L3/5027J2 B03C1/01 B03C1/28K B03C1/30 B03C1/32 B65B5/10B1 B65B61/02B B65B61/26 G01N1/40S G01N1/40V G01N27/00 G01N33/48 G01N33/50 G01N33/53B G01N33/543D4 G01N33/543K G01N33/569 G01N33/94 G01N35/00 G01N35/00C G01N35/00G3L G01N35/00G5 G01R33/12M G06F19/00C G06F19/00M G06F19/18 G06F19/20 G06F19/32C G06F19/32C1 G06F19/32E G06F19/32E1 G06F19/32E3 G06F19/34A G06F19/34L G06F19/34L1 G06F19/34M G06F19/34P G06F19/36A G06F19/36C G06F21/62B5 G06Q10/00 G06Q10/06 G06Q10/087 G06Q10/10 G06Q20/085 G06Q20/14

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Classification Explorer

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Forward Citations: WO17117138, WO16200924, WO16022696, WO16011464, WO15066027, WO13177599, WO13039578, WO13025947, WO12154488, WO12113072, WO11142781, WO11142781, WO11095562, WO11095562, WO11087410, WO11071912, WO09140613, WO09005707, WO08074153, USRE43122, US9726592, US9724483, US9719990, US9704096, US9696302, US9679112, US9677993, US9664702, US9651039, US9645143, US9644623, US9643771, US9639146, US9636036, US9632102, US9619627, US9592508, US9588109, US9581588, US9574219, US9567626, US9538880, US9517474, US9476812, US9464981, US9442108, US9435793, US9430617, US9360164, US9351907, US9342999, US9328962, US9289623, US9285366, US9268915, US9250229, US9243222, US9227004, US9211080, US9183262, US9182411, US9171048, US9128015, US9121851, US9121058, US9110958, US9085402, US9073206, US9037578, US9027786, US9012236, US9012163, US9011153, US8973755, US8961878, US8934954, US8918170, US8915051, US8914146, US8911987, US8852097, US8841118, US8841116, US8840838, US8825503, US8822167, US8795721, US8793141, US8785210, US8763642, US8748165, US8697435, US8697377, US8672532, US8662388, US8584703, US8562918, US8557518, US8551714, US8532938, US8512538, US8476063, US8475739, US8468029, US8454906, US8435738, US8431390, US8431340, US8420318, US8394642, US8388908, US8340944, US8303809, US8297028, US8286665, US8161797, US8137712, US8068991, US8034628, US8006406, US8000981, US7988849, US7974856, US7971414, US7964388, US7946101, US7927787, US7827042, US2016092657, US2015324942, US2015324534, US2015276758, US2015212079, US2015211685, US2015191690, US2014277291, US2013316355, US2013306566, US2013204103, US2013191149, US2012284037, US2012185276, US2012136270, US2012111938, US2011312824, US2011312821, US2011312813, US2011312718, US2011312716, US2011312705, US2011312703, US2011312702, US2011312699, US2011312697, US2011312696, US2011312663, US2011312647, US2011312639, US2011312638, US2011312637, US2011312636, US2011312634, US2011312633, US2011312632, US2011312595, US2011312575, US2011312572, US2011312569, US2011312564, US2011312560, US2011312559, US2011312554, US2011312550, US2011312537, US2011275984, US2011202361, US2011152634, US2011126911, US2011124126, US2011059550, US2011015089, US2011005932, US2010331627, US2010318424, US2010312579, US2010305963, US2010305962, US2010293002, US2010291669, US2010291619, US2010291618, US2010288060, US2010275475, US2010274578, US2010268057, US2010241449, US2010235195, US2010235191, US2010235188, US2010235186, US2010235185, US2010235184, US2010235183, US2010235182, US2010224255, US2010184237, US2010183736, US2010163034, US2010145316, US2010050619, US2009306893, US2009287506, US2009276229, US2009257796, US2009094003, US2009083018, US2009082974, US2009082344, US2009081641, US2009055138, US2008243005, US2008133268, US2008114577, US2008086339, US2008082368, US2008082272, US2008047230, US2008028633, US2008015835, US2008015834, US2008015833, US2008015787, US2008014572, US2008004909, US2007299695, US2007299693, US2007282176, US2007150306, US2007112796, US2007112595, US2007112592, US2007112590, US2007112589, US2007112588, US2007112587, JP2016536018, ITMI20100191, ITMI20100190, GB2472236, GB2463208, EP2949587, EP2740671, CN105849323, CN105647780, CN103675271, CN103635807, CN103616423, CN103177328, AU2015268583,

Abstract:
Source: US2007112587A In one aspect, a method related to health−related data management. In addition to the foregoing, other method and system and program product aspects are described in the claims, drawings, and text forming a part of the present application.

0) US7044421B – ELECTRONICALLY CONTROLLED ROLL TOWEL DISPENSER ...

10) Family number: 11835153 (US7044421B) © PatBase

Title: ELECTRONICALLY CONTROLLED ROLL TOWEL DISPENSER WITH DATA COMMUNICATION SYSTEM

Priority: US19990130137P 19990420 US19990159006P 19991011 US20020959251 20020129 WO2000US10761 20000420 US20000959251 20000420

Family:

Publication number	Publication date	Application number	Application date
AT326418 E	20060615	AT20000926230T	20000420
AU200044794 A5	20001102	AU20000044794D	20000420
AU762377 B2	20030626	AU20000044794	20000420
BRPI0009890 A	20020122	BR2000PI09890	20000420
CA2370790 AA	20011019	CA20002370790	20000420
CA2370790 C	20071113	CA20002370790	20000420
CL2000000997 A1	20010119	CL20000000997	20000424
CL44846 B	20090306	CL20000000997	20000424
DE60028043 D1	20060622	DE20006028043	20000420
DE60028043 T2	20061221	DE20006028043T	20000420
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EP1202924 B1	20060517	EP20000926230	20000420
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MXPA01010615 A1	20021104	MX2001PA10615	20000420
NZ514885 A	20040227	NZ20000514885	20000420
US7044421 BA	20060516	US20020959251	20020129
WO0063100 A1	20001026	WO2000US10761	20000420

Probable Assignee: SAN JAMAR INC

Assignee(s):(std)**:** PAUL A OMDOLL ; STEVEN D HOYT ; OMDOLL PAUL A ; HOYT STEVEN D ; COLMAN GROUP INC

Assignee(s): COLMON GROUP INC ; DISPENSING DYNAMICS INT LLC FKA DISPENSING DYNAMICS INTERNATIONAL ; COLLINS SCOTT ; THE COLMAN GROUP INC ; US BANK NATIONAL ASSOCIATION ; SAN JAMAR INC ; PNC BANK NATIONAL ASSOCIATION ; HUBANKS BRIAN ; SAN JAMAR INC F K A COLMAN GROUP INC ; WELLS FARGO BANK COLLATERAL AGENT AS

Inventor(s):(std)**:** COLLINS SCOTT ; HOYT D ; HOYT STEVEN D ; HUBANKS BRIAN ; OMDOLL A ; OMDOLL PAUL A ; UBANKS BRIAN

Inventor(s): PAUL A OMDOLL ; STEVEN D HOYT

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; GOUDREAU GAGE DUBUC; HARNECKER; PILIERO GOLDSTEIN KOGAN MILLER; ADAM L

Designated states: AT AU BE BR CA CH CY DE DK ES FI FR GB GR IE IT LI LU MC MX NL NZ PT SE US

International class (IPC 8–9): A47K10/36 B65H16/10 B65H26/06 (Advanced/Invention); A47K10/24 B65H16/00 B65H26/00 (Core/Invention)

International class (IPC 1–7): A47K10/32 A47K10/36 B65H26/06

CPC: A47K2010/3668 A47K10/3612 A47K10/3625 A47K2010/3881 A47K10/36

European class: A47K10/36

US class: 242/563 242/564.1 242/564.4

Classification Explorer

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WO9959457 A1, US6360181 BA, US6213424 BA, US6069354 A, US5772291 A, US5691919 A, US5691699 A, US5625908 A, US5452832 A, US5294192 A, US5159560 A, US5107734 A, US5075792 A, US5031258 A, US5001953 A, US4960248 A, US4848854 A, US4817483 A, US4796825 A, US4790490 A, US4765555 A, US4738176 A, US4712461 A, US4666099 A, US4270818 A, US4119255 A, US3730409 A, US159006 A, US130137 A, NL8600003 A, EP0573558 B1, EP0573558, DE19536479 A1, AU678368 B2,

Forward Citations: WO15163802, WO15156935, WO10138106, WO10062327, WO09135234, WO09135234, WO09082294, WO07067106, WO06072006, WO05074532, WO03053202, WO03053201, US9681783, US9661958, US9604811, US9527656, US9408507, US9345367, US9248988, US9167941, US9144352, US9027871, US8919688, US8919233, US8882021, US8807475, US8789787, US8777149, US8763946, US8684297, US8616489, US8555761, US8528851, US8511599, US8496198, US8382026, US8366035, US8336800, US8186551, US8162252, US8160742, US7984872, US7963475, US7931228, US7793882, US7783380, US7774096, US7735770, US7370824, US7296765, US7213782, US6977588, US6903654, US6892620, US6820785, US6607160, US2015090832, US2013245789, US2013079923, US2011215188, US2011114782, US2011095050, US2011024449, US2010301157, US2010286817, US2010268381, US2010206979, US2010176237, US2010170979, US2010102101, US2010089939, US2010078459, US2009278425, US2008190982, US2008128448, US2008128446, US2006173576, US2005171634, US2005167541, US2003213809, GB2508093, GB2460721, EP1956954, EP1956954, EP1848654, EP1848654, AU2014391749, AT511786,

Abstract:
Source: US7044421B An electronically controlled roll towel dispenser with a data communication system. The dispenser automatically dispenses a predetermined length of paper toweling from a supply roll after a length of toweling has been detached by a user pulling and tearing the protruding toweling against a stationary cutting blade. The dispenser is battery powered with an electric motor, an electromechanical dispensing mechanism, and an embedded microcontroller for controlling and monitoring operation of the dispenser. In addition to primary control functions, the microcontroller monitors parameters such as battery condition, towel usage, system status, system errors, and unsafe operating conditions. Pushbutton switches are also provided for programming towel length and the dispense delay. The dispenser further includes an optical transmitter for transmitting visual and infrared data to a receiving device. Useful information about the status of the dispenser can be visibly discerned by an operator through the use of primitive low−speed flash patterns, while high−speed infrared digital data can be simultaneously embedded in or multiplexed with the visible data.

0) US2013098814A – SYSTEM AND PROCESS FOR THE PURIFICATION, BY MEA...

11) Family number: 49607825 (US2013098814A) © PatBase

Title: SYSTEM AND PROCESS FOR THE PURIFICATION, BY MEANS OF THE ENVIRONMENT, OF WATER AND/OR OF WATER OBTAINED FROM A MUNICIPAL OR COLLECTIVE SUPPLY, AND/OR OF WATER OBTAINED FROM A WELL, AND/OR OF WATER OBTAINED IN DOMESTIC AND INDUSTRIAL VESSELS

Priority: AR2010P101410 20100427 WO2010IB03378 20101230

Family:

Publication number	Publication date	Application number	Application date
AR076466 AA	20110615	AR2010P101410	20100427
EP2607323 A1	20130626	EP20100850623	20101230
EP2607323 A4	20140312	EP20100850623	20101230
MX2012012538 A1	20130808	MX20120012538	20101230
PE09542013 A1	20130829	PE20120002006	20101230
US2013098814 AA	20130425	US20100643912	20101230
WO11135403 A1	20111103	WO2010IB03378	20101230

Probable Assignee: BARRAGAN ANDREA CECILA

Assignee(s):(std)**:** BARRAGAN ANDREA CECILA ; BARRAGAN ANDREA CECILIA ; GOMEZ JOSE LUIS ; KELLY JOSE LUIS

Assignee(s): JOSE LUIS KELLY

Inventor(s):(std)**:** BARRAGAN ANDREA CECILIA ; KELLY JOSE LUIS

Inventor(s): ANDREA CECILIA BARRAGAN ; JOSE LUIS KELLY

Agent(s): LAHIDALGA DE CAREAGA JOSE LUIS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B01D5/00 C02F1/00 C02F1/72 E03B3/28 (Advanced/Invention)

International class (IPC 1–7): C02F1/00

CPC: C02F1/727 C02F1/008 C02F1/28 C02F1/34 C02F1/72 C02F2303/04 C02F2305/023 C02F2307/10 E03B3/28 B01D5/0069 B01D5/0072

European class: C02F1/72 M02F1/00T M02F1/28

US class: 210/121 210/142 210/151 210/85 210/96.1

Classification Explorer

Cited documents: WO08056223 A1, WO07146030 A2, WO07133771 A2, WO04027165 A1, WO0163059 A1, WO0105717 A1, US6684648 BB, US5553459 A, US5302288 A, US5149446 A, US4255937 A, US2009077992 AA, US2007295021 AA, US2006059922 AA, US2002011075 AA, ES2211505 T3, ES2211505, ES2119866 T3, ES2119866, ES1062793 UA, EP1939364 A1, EP0597716 A1, EP0262449 A2,

Forward Citations: WO17116521, US9561451, US2013037135,

Abstract:
Source: US2013098814A System and process for the purification of water The water produced is treated with a selective oxidant obtained from the air without contaminants. The water obtained, together with the selective oxidant, is treated through a chemical process, denominated batch process, in a pressurized primary sterilization vessel. The reaction dwell time, and the analytical control, ensure purification; by means of a system of circulation pump and adsorption chamber specific for the chemical treatment realized, the purified water is deposited in a vessel for water for consumption, which water may be prepared with minerals and/or vitamins and/or carbohydrates with the objective of satisfying the full requirements of the population. Furthermore, an electronic

unit monitors and controls the movements required to ensure excellent purification and, moreover, that the entire system is sterile at all times.

12) Family number: 29749762 (US2002025297A) © PatBase

Title: METHODS OF SCREENING AGENTS FOR ACTIVITY USING TELEOSTS

Priority:

CA19992320406	19990222	CA19992743347	19990222	EP19990934309	19990222
US19980075783P	19980222	EP20050001508	19990222	JP20000532546	19990222
EP19990965950	19991130	US19980075783P	19980223	EP20070018743	19990222
US20050280849	20051115	US20010947635	20010905	US19990451189	19991130
US19980110464P	19981201	US19980100950P	19980918	US20040766134	20040127
US19990451489	19991130	US20050114712	20050425	US20030678765	20031002
US20000645432	20000823	US19990255397	19990222	US20050320251	20051227
US20060614853	20061221	US20070927473	20071029	WO1999US03852	19990222
US20060515355	20060901	WO2007US77457	20070831	WO1999US28416	19991130
US20110105436	20110511	US20100951767	20101122	US20120414306	20120307
US20130887971	20130506				

Family:

Publication number	Publication date	Application number	Application date
AT295899 E	20050615	AT19990934309T	19990222
AT361469 E	20070515	AT19990965950T	19991130
AT428928 E	20090515	AT19990008609T	19991130
AT512233 E	20110615	AT19990018743T	19990222
AU199933074 A1	19990906	AU19990033074	19990222
AU200021612 A1	20000619	AU20000021612	19991130
AU200021612 A5	20000619	AU20000021612	19991130
AU749688 B2	20020704	AU19990033074	19990222
AU776246 B2	20040902	AU20000021612	19991130
CA2320406 AA	20000810	CA19992320406	19990222
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CA2352568 AA	20010525	CA19992352568	19991130
CA2743347 AA	19990826	CA19992743347	19990222
DE69925362 D1	20050623	DE19996025362	19990222
DE69925362 T2	20060119	DE19996025362T	19990222
DE69935999 D1	20070614	DE19996035999	19991130
DE69935999 T2	20080110	DE19996035999T	19991130
DE69940753 D1	20090528	DE19996040753	19991130
DE69943483 D1	20110721	DE19996043483	19990222
EP1066402 A1	20010110	EP19990934309	19990222
EP1066402 A4	20010613	EP19990934309	19990222
EP1066402 B1	20050518	EP19990934309	19990222
EP1135531 A1	20010926	EP19990965950	19991130
EP1135531 A4	20050309	EP19990965950	19991130
EP1135531 B1	20070502	EP19990965950	19991130
EP1548123 A1	20050629	EP20050001508	19990222
EP1826560 A2	20070829	EP20070008609	19991130
EP1826560 A3	20071114	EP20070008609	19991130
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EP1878799 A2	20080116	EP20070018743	19990222
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US2004062712 AA	20040401	US20030678765	20031002	
US2004185431 AA	20040923	US20040766134	20040127	
US2005188426 AA	20050825	US20050114712	20050425	
US2006104905 AA	20060518	US20050280849	20051115	
US2006123487 AA	20060608	US20050320251	20051227	
US2007130632 AA	20070607	US20060614853	20061221	
US2007143865 AA	20070621	US20060515355	20060901	
US2008152591 AA	20080626	US20070927473	20071029	
US2011219463 AA	20110908	US20110105436	20110511	
US2011286973 AA	20111124	US20100951767	20101122	
US2012317663 AA	20121213	US20120414306	20120307	
US2013318642 AA	20131128	US20130887971	20130506	
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US6656449 BA	20031202	US20000645432	20000823	
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US7408095 BB	20080805	US20040766134	20040127	
US7435870 BB	20081014	US20050280849	20051115	
US7482507 BB	20090127	US20050114712	20050425	
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US7951989 BB	20110531	US20060515355	20060901	
US8993834 BB	20150331	US20130887971	20130506	
WO0032822 A1	20000608	WO1999US28416	19991130	
WO08028162 A2	20080306	WO2007US77457	20070831	
WO08028162 A3	20080529	WO2007US77457	20070831	
WO9942606 A1	19990826	WO1999US03852	19990222	

Probable Assignee: PHYLONIX PHARMACEUTICALS INC

Assignee(s):(std)**:** MCGRATH PATRICIA ; PARNG CHUENLEI ; PHYLONIX PHARMACEUTICALS INC ; SEMINO CARLOS ; SERBEDZIJA GEORGE N ; SEMINO CARLOS E ; FROST DEANNA

Assignee(s): FROST DEANNA M ; PHYLONIX PHARMACEUTICALS INC CAMBRIDGE

Inventor(s):(std)**:** CARLOS SEMINO ; DEANNA FROST ; GEORGE N SERBEDZIJA ; PATRICIA MCGRATH ; SENG WEN LIN ; SERBEDZIJA GEORGE ; SERBEDZIJA N ; SERBEDZIJA GEORGE N ; SEMINO CARLOS E ; SEMINO CARLOS ; MCGRATH PATRICIA ; FROST DEANNA ; PARNG CHUENLEI ; FROST DEANNA M

Inventor(s): CARLOS E SEMINO

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; FETHERSTONHAUGH AND CO; SMART AND BIGGAR; LEINWEBER AND ZIMMERMANN; KREMER SIMON MARK ET AL; KREMER SIMON MARK; GREEN MARK CHARLES; TOWNSEND AND TOWNSEND AND CREW LLP; HAMILTON BROOK SMITH AND REYNOLDS PC; LIEBESCHUETZ JOE ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A01K67/00 A01K67/027 A01K67/033 A60K67/27 A61B10/00 A61B5/00 A61B8/00 A61K35/12 A61K45/00 A61K49/00 A61P35/00 C12N15/09 C12N15/85 C12N5/10 C12Q1/00 C12Q1/02 C12Q1/68 C12Q1/70 C40B30/04 C40B30/06 G01N31/00 G01N33/00 G01N33/15 G01N33/48 G01N33/50 G01N33/53 G01N33/566 G01N33/574 (Advanced/Invention); A01K67/00 A01K67/027 A01K67/033 A61K45/00 A61K49/00 C12N15/09 C12N5/10 C12Q1/02 C12Q1/68 C12R1/91 G01N33/00 G01N33/15 G01N33/53 G01N33/566 (Advanced/Non–invention); A01K67/00 A01K67/027 A61K49/00 C12N15/85 G01N33/50 (Core/Invention); A01K67/00 A01K67/027 G01N33/00 (Core/Non–invention)

International class (IPC 1–7): A01K67/027 A01N63/00 A01N65/00 A61B10/00 A61B5/055 A61K45/00 A61K49/00 C12N15/09 C12N15/74 C12N5/10 C12Q1/00 C12Q1/02 C12Q1/68 G01N31/00 G01N33/15 G01N33/48 G01N33/50 G01N33/53 G01N33/566

CPC: A61K49/0032 A61K49/0043 A61K49/0058 A01K67/0271 G01N33/5082 A01K2267/035 A61K49/0004 C12Q1/68 C12Q1/6809 C12Q1/6888 A61K49/0008 A01K2217/05 A01K2227/40 A01K2267/0393 C12N15/8509 G01N33/5014 G01N33/5088 G01N2333/4603 G01N2510/00 C12Q2600/136 C12Q2600/142 C12Q2600/158 A61K49/0021 A61K49/00

European class: A01K67/027A3B A01K67/027B A61B5/41J6 A61K49/00 A61K49/00H A61K49/00H6 A61K49/00P4F4C10 A61K49/00P4F4C16F A61K49/00P4F8T A61K49/00P8 C12N15/85A C12Q1/68 C12Q1/68A6 C12Q1/68M10 G01N33/50D2D G01N33/50D2J G01N33/50D2J4 K01K217/05 K01K227/40 K01K267/03K K01K267/03R K61B5/024B S01N333/46A S01N510/00

US class: 424/9.1 424/9.100S 424/9.2 424/9.200P 424/9.314 424/9.34 424/9.6 424/9.600S 424/91 424/92 424/93.1 424/93.100P 424/93.3 424/93.7 424/93.700P 424/933 424/937 435/29 435/320.1 435/320.100S 435/4 435/4P 435/4S 435/5 435/5S 435/6 435/6.16 435/6.160S 435/6S 435/7.1 435/7.2 435/7.200S 435/7.23 435/7.230S 506/9 506/9S 800/13 800/14 800/2 800/20 800/20P 800/20S 800/3 800/3P 800/3S 800/8

Classification Explorer

Cited documents: WO9942606 A1, WO9903852, WO9858963 A1, WO9831787 A1, WO9803178 A2, WO9710365, WO9603034 A1, WO9535503, WO9530642, WO9512608, WO9511989 A1, WO9408051, WO9306121, WO9118980, WO08028162 A2, WO05080974 A1, WO04047634 A1, WO03052106 A1, WO0192874 A1, WO0032822 A1, US7951989 BB, US7767880 BB, US7687682 BB, US7482507 BB, US7435870 BB, US7408095 BB, US7041276 BB, US6867349 BB, US6867349 BA, US6867349 B1, US6761876 BB, US6656449 BA, US6400453 BA, US6380458 BA, US6309453 BA, US6299858 BA, US6196675 BA, US6174937 BA, US60110464, US5981218 A, US5932418 A, US5919839 A, US5830730 A, US5744499 A, US5712395 A, US5681703 A, US5672470 A, US5658751 A, US5593678 A, US5573909 A, US5565187 A, US5510099 A, US5506208 A, US5502476 A, US5491084 A, US5424209 A, US5389958 A, US5327692 A, US5326692 A, US5306510 A, US5195430 A, US5092235 A, US4964615 A, US4889560 A, US4816392 A, US4329424 A, US4286983 A, US4220858 A, US2012317663 AA, US2011219463 AA, US2008152591 AA, US2007143865 AA, US2006193776 AA, US2006123487 AA, US2006104905 AA, US2005188426 AA, US2005155087 AA, US2004133114 AA, US2004062712 AA, US2003149996 AA, US11046498, US10095098 P, US10095098, US07578398 P, US07578398, GB2080948 A1, EP1878799 A2, EP1826560 A3, EP1826560 A2, EP1644733 B1, EP1644733 A1, EP1066402 B1, EP1066402 A1, DE4113393 A1, AU749688 B2, AU749688,

Forward Citations: WO17105991, WO17100158, WO16106295, WO16073433, WO15006455, WO12154552, WO10054039, WO09091586, WO08154641, WO08086645, WO08079408, WO08021168, WO08021168, WO08011017, WO07109121, WO07075753, WO07075753, WO07054735, WO07026061, WO06135677, WO06106544, WO06106544, WO05103694, WO05103694, WO05030264, WO04092325, WO04092325, WO04066723, WO04051265, WO04051265, WO04047634, WO04027378, WO03048356, WO03008633, WO0192874, WO0120029, WO0120029, US9719890, US9574223, US9506912, US9335321, US9176119, US8993834, US8816814, US8765969, US8741592, US8723640, US8687857, US8613957, US8599009, US8514067, US8512957, US8476450, US8367364, US8288559, US8268312, US8232314, US8173432, US8143009, US8124056, US8106052, US8084029, US8017736, US8003375, US7951989, US7951550, US7897363, US7838726, US7836687, US7767880, US7692022, US7687682, US7655832, US7635575, US7598088, US7501498, US7488467, US7482507,

US7465848, US7435870, US7357916, US7300655, US7250304, US7192770, US6943025, US6656449, US2014349328, US2012178646, US2011229407, US2011219463, US2011218119, US2011135756, US2011126300, US2011003316, US2010306861, US2010275276, US2010196989, US2010150928, US2010119127, US2010119119, US2010062470, US2010047246, US2009232742, US2009023751, US2009023173, US2009010849, US2008299593, US2008196389, US2008152591, US2008057518, US2007178012, US2007143865, US2007111195, US2007044168, US2007015790, US2006193776, US2006188445, US2006141633, US2006123487, US2006114274, US2006104905, US2006063202, US2006019375, US2006018833, US2006015948, US2006003920, US2006003441, US2005272162, US2005244808, US2005188426, US2005155087, US2005090751, US2004235065, US2004171099, US2004133114, US2004110203, US2004062712, US2003163049, US2003135869, US2003040505, US2001039006, KR101508356, JP5788417, JP2014100139, JP2013521491, JP2013520198, GB2463587, GB2413847, FR2889936, EP2027283, EP1765065, EP1567858, EP1160570, DE10252806, CN102445531, AU783310,

Abstract:
Source: US2002025297A The present invention provides methods of screening an agent for activity using teleosts. Methods of screening an agent for angiogenesis activity, toxic activity and an effect cell death activity in teleosts are provided.

0) US2004256335A – TOOL ORGANIZER SYSTEM AND METHODS

13) Family number: 31416397 (US2004256335A) © PatBase

Title: TOOL ORGANIZER SYSTEM AND METHODS

Priority: US20030465412 20030618 US20040601522P 20040813 US20060423636 20060612 US20050204686 20050815 US20050664857P 20050323 US20050678966P 20050509 WO2004US19724 20040618 WO2005US29004 20050815

Family:

Publication number	Publication date	Application number	Application date
CN100553536 C	20091028	CN200480023698	20040621
CN100553536 C	20091028	CN200480023698	20040618
CN101431926 A	20090513	CN200580034966	20050815
CN101431926 B	20120328	CN200580034966	20050815
CN1835697 A	20060920	CN200480023698	20040621
CN1835697 A	20060920	CN200480023698	20040618
EP1638432 A2	20060329	EP20040755723	20040618
EP1638432 A4	20061122	EP20040755723	20040618
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IN05860DN2005 A	20070427	IN2005DN05860	20051215
IN227690 B	20090327	IN2005DN05860	20051215
US2004256335 AA	20041223	US20030465412	20030618
US2006000788 AA	20060105	US20050204686	20050815
US2006226098 AA	20061012	US20060423636	20060612
US7073672 BB	20060711	US20030465412	20030618
US7261212 BB	20070828	US20060423636	20060612
US7510092 BB	20090331	US20050204686	20050815
WO04113028 A2	20041229	WO2004US19724	20040618
WO04113028 A3	20051020	WO2004US19724	20040618
WO06020976 A2	20060223	WO2005US29004	20050815
WO06020976 A3	20081106	WO2005US29004	20050815

Probable Assignee: STEVEN SHOLEM

Assignee(s):(std)**:** SHOLEM STEVEN ; STEVEN SHOLEM

Inventor(s):(std)**:** SHOLEM STEVEN ; STEVEN SHOLEM

Agent(s): SCHMEISER OLSEN AND WATTS; SCHMEISER OLSEN AND WATTS LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47B81/00 A47F7/00 A47J45/00 B25H3/04 B25H3/06 (Advanced/Invention); A47F7/00 B25H3/00 (Core/Invention)

International class (IPC 1–7): A47F7/00

CPC: Y10S211/01 B25H3/04

European class: B25H3/04 B25H3/06

US class: 211/70.6 211/70.600P 211/87.01 211/87.1 211/DIG.001 211/DIG.1

Classification Explorer

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USD485297 S1, US7073672 BB, US6626303 BA, US6587022 BA, US6575313 BA, US6360464 BA, US5957421 A, US5913500 A, US5893586 A, US5785187 A, US5775518 A, US5760668 A, US5738423 A, US5725096 A, US5671849 A, US5639138 A, US5405004 A, US5301822 A, US5217294 A, US5064159 A, US4953696 A, US4826059 A, US4682691 A, US4586616 A, US4451810 A, US4405108 A, US4403700 A, US4183439 A, US4056190 A, US3827021 A, US3769720 A, US361248 A, US3419832 A, US3387341 A, US3195021 A, US2966992 A, US2733113 A, US2697804 A, US2642999 A, US2414653 A, US2006000788 AA, US2004245415 AA, US2004088824 AA, US2004084593 AA, US2003042218 AA, US2002055878 AA, US2001028208 AA, US1531070 A, GB932918 A, GB2084374 A1,

Forward Citations: WO10052520, USD728884, USD697281, USD692198, USD690482, USD678638, USD673339, USD627119, USD607624, USD606720, USD604471, USD586582, USD581119, US9694488, US9656383, US9630286, US9597789, US9560923, US9528808, US9381932, US9358680, US9115969, US8960819, US8770416, US8727142, US8499943, US8434834, US8381621, US8308208, US8286795, US7971736, US7959030, US7799366, US7793786, US7698767, US7644835, US7261212, US7191913, US7073672, US7051884, US2017173920, US2017037614, US2016223135, US2015323298, US2014299739, US2014263117, US2013341210, US2012200385, US2012000325, US2011248127, US2011121699, US2011121045, US2011005946, US2010163502, US2010025442, US2009266951, US2009230068, US2009078816, US2009078815, US2009007342, US2007241254, US2007144986, US2007120028, US2007012586, US2006229755, US2006226098, US2006201605, US2006071010, US2006016841, US2005016943, US2004256335, EP2399713, EP2279832, DE202013012402, CN105835022, CN104385163, CN103431823, CN103431823, AT511989, AT511989, AT510069,

Abstract:
Source: US2004256335A In one aspect, tool organizer system has a flat sheet of magnetically attracted material that attracts magnets attached to tools to support the tools on the flat sheet. The system includes position indicators that can be attached at any orientation and position on the flat sheet. Neither the position indicators nor the tools are limited to particular positions or orientations such as by a repeating or incremental support structure on the flat sheet. Thus, the position indicators and tools can be grouped in closely abutting relation when desired for space saving organization. The system can be provided as a kit with one or more components. In another aspect, a method of organizing a set of tools provides for efficient use of space on an open flat sheet, provides for clear association between a tool and a previously selected position on the flat sheet, and avoids loss of tools by placing them in previously selected positions. In still another aspect, a method of making a tool organizer system includes making the system in accordance with requests from a customer. The requests can include a set of position indicators based on a particular set of tools to be stored and organized with the system. Furthermore, the method of making can be facilitated by providing options and receiving requests over the Internet.

0) US2002174693A – CHEMICAL STRIPPING APPARATUS AND METHOD

14) Family number: 30118285 (US2002174693A) © PatBase

Title: Chemical stripping apparatus and method

Priority: US20010804761 20010313 US20020315789 20021210 WO2001US20273 20010626

Family:

Publication number	Publication date	Application number	Application date
AU2001272998 AA	20020924	AU20010272998	20010626
CN1493010 A	20040428	CN20018023021	20010626
US2002174693 AA	20021128	US20010804761	20010313
US2003150837 AA	20030814	US20020315789	20021210
US6547920 BB	20030415	US20010804761	20010313
US6666984 BB	20031223	US20020315789	20021210
WO02073261 A2	20020919	WO2001US20273	20010626
WO02073261 A3	20030717	WO2001US20273	20010626

Probable Assignee: 3M INNOVATIVE PROPERTIES CO

Assignee(s):(std)**:** 3M INNOVATIVE PROPERTIES ; 3M INNOVATIVE PROPERTIES CO

Assignee(s): 3M INNOVATIVE PROPERTIES COMPANY ; BRUHN PETER HENRY ; GATICA ANTHONY WILLIAM

Inventor(s):(std)**:** BRUHN P H ; BRUHN PETER H ; BRUHN PETER HENRY ; GATICA A W ; GATICA ANTHONY W ; GATICA ANTHONY WILLIAM

Inventor(s): P H BRUHN ; PH BRUHN ; PETER H BRUHN ; ANTHONY W GATICA ; A W GATICA ; AW GATICA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): G02B6/245 G02B6/36 (Advanced/Invention); G02B6/245 G02B6/36 (Core/Invention)

International class (IPC 1–7): B29D11/00 C03C15/00 C03C25/68 C23F1/00 C23F1/000 G02B6/245 G02B6/34 G02B6/36

CPC: G02B6/02123 G02B6/245 G02B6/3616 G02B6/3636

European class: G02B6/245 S02B6/02G8M S02B6/36H S02B6/36M2G

US class: 118/420 118/423 118/503 134/133 134/137 156/345.11 156/345.2 156/345.23 216/24 216/24S 216/83 216/83P 216/91 65/429 65/472 65/472P 65/484 65/503 65/529

Classification Explorer

Cited documents: US6547920 BB, US6532327 BA, US6503327 BB, US6487939 BA, US6434314 BA, US6179191 BA, US6123801 A, US6088503 A, US6069988 A, US6027062 A, US5988556 A, US5939136 A, US5894540 A, US5800645 A, US5684910 A, US5481638 A, US5451294 A, US5340371 A, US5281272 A, US5269206 A, US5219120 A, US5114066 A, US5022735 A, US4976596 A, US4865411 A, US4662307 A, US4653681 A, US4630406 A, US4623156 A, US4511095 A, US4434554 A, US4410561 A, US3647596 A, US2445372 A, US2406157 A, US2405157 A, US1880751 A, JP63188485 A2, JP61040846 A2, JP60122754 A2, JP3186806 A2, JP2000193828 A2,

Forward Citations: WO12031223, WO12031223, WO03085421, WO03085421, US9146361, US7301277, US7258560, US6852169, US6702195, US6666984, US2015263287, US2012155815, US2006154490, US2004062480, US2004040506, US2004007630, US2003192174, US2003085654, US2002170877, EP1499471,

Abstract:
Source: US2002174693A An apparatus for forming a loop in a filament comprising a first wall having a first guide slot formed therein and a second wall having a second guide slot formed therein coplanar and parallel to the first guide slot. The first wall is opposite the second wall and each of the guide slots has opposing ends. A first gripper

holds a filament at a first location. The first gripper is mounted from the first wall to the second wall at an end of each of the first guide slot and the second guide slot. The apparatus also includes a movable gripper to hold the filament at a second location. The movable gripper has a separation from the first gripper and is mounted from the first wall to the second wall adjacent to the other end of each of the first guide slot and the second guide slot for movement towards the first gripper to reduce the separation between them. This produces a loop of filament between the first gripper and the moveable gripper.

0) US2017132396A – SYSTEM AND METHOD FOR RECURRING MEASUREMENT AND...

15) Family number: 65607504 (US2017132396A) © PatBase

Title: SYSTEM AND METHOD FOR RECURRING MEASUREMENT AND ACTIONABLE OUTCOMES TO MEET CLINICAL TIMESPANS

Priority: US20150252959P 20151109 US20150267472P 20151215 US20160347511 20161109 US20160377233 20161213 US20160232105 20160809 US20160232137 20160809

Family:

Publication number	Publication date	Application number	Application date
US2017132396 AA	20170511	US20160347511	20161109
US2017167123 AA	20170615	US20160377233	20161213
US2017167631 AA	20170615	US20160232105	20160809
US2017168508 AA	20170615	US20160232137	20160809
WO17106445 A1	20170622	WO2016US66831	20161215

Probable Assignee: SDB IP HOLDINGS LLC

Assignee(s):(std)**:** SDB IP HOLDINGS LLC ; WELLBRIDGE HEALTH INC

Inventor(s):(std)**:** ALLARD ROCK R III ; ANDERSEN BLAINE ; BECHTOLD JODY ; BUSH SHAWN D ; DICKENSON ROBERT ; HARRISON CHRISTOPHER R ; WATSON DAVID ; ALLARD III ROCK R

Inventor(s): ALLARD ROCK R

Agent(s): MILES KIRK M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): E03C1/05 E03D1/30 E03D3/00 E03D5/02 E03D5/10 E03D9/00 F16K31/06 F16K37/00 G05D7/06 G06F19/00 (Advanced/Invention)

CPC: G06F19/363 G06F19/345 G06F19/328 E03C1/057 E03D9/00 A47K5/06 F16K31/0675 E03D3/00 A47K10/00 A47K10/24 E03C1/02 F16K37/0091 G05D7/0635

Classification Explorer

Cited documents: WO14152362 A1, WO09061857 A2, US7156363 BB, US2015337524 AA, US2008188991 AA,

Abstract:
Source: US2017132396A An MCM system is provided for multiple audiences or programs for a system and method of handling participants. The MCM eliminates unnecessary human decision making by using measurements of key data to algorithmically determine future actions. The individual systems are programmed to handle recommendations of content (content management) and to produce workflow, reports, and analytics based on the core content of a program. The MCM system is used to manage participant behaviors, for example, those involved in Population Health Management, Care Management, Managed Care, treatment/care/behavior planning, and workforce development. The MCM provides recommendations and predictions about patients from a specific healthcare plan or patients sharing similar conditions. This system has recurring measurements and actionable outcomes that allow participants to meet their goals incrementally over established clinical timespans.

0) US2009149437A – THIENO–PYRIDINE DERIVATIVES AS MEK INHIBITORS

16) Family number: 32820388 (US2009149437A) © PatBase

Title: THIENO–PYRIDINE DERIVATIVES AS MEK INHIBITORS

Priority: EP20070705076 20070130 GB20060001962 20060131 WO2007GB00310 20070130 US20080182931 20080730 US20120604282 20120905 US20130760788 20130206

Family:

Publication number	Publication date	Application number	Application date
AU2007211377 AA	20070809	AU20070211377	20070130
AU2007211377 BB	20120301	AU20070211377	20070130
BRPI0708016 A2	20110517	BR2007PI08016	20070130
CA2640594 AA	20080729	CA20072640594	20070130
CA2640594 C	20141223	CA20072640594	20070130
CN101379067 A	20090304	CN200780004077	20070130
CN101379067 B	20110323	CN200780004077	20070130
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EA200801684 A1	20090428	EA20080001684	20070130
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EP1981892 B1	20140312	EP20070705076	20070130
ES2471970 T3	20140627	ES20070705076T	20070130
GB200601962 A0	20060315	GB20060001962	20060131
HK1125924 A1	20140808	HK20090103590	20090420
HK1125924 A3	20090821	HK20090103590	20090420
HR20140503 T1	20140704	HR20140000503	20140602
IL192603 A0	20090211	IL20080192603	20080703
IL192603 A1	20131231	IL20070192603	20070130
IN05890DN2008 A	20080926	IN2008DN05890	20080707
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JP2009525317 T2	20090709	JP20080552878T	20070130
JP5249787 B2	20130731	JP20080552878T	20070130
KR101446919 B1	20141007	KR20087018972	20070130
KR20080095870 A	20081029	KR20087018972	20070130
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NO20083739 A	20080829	NO20080003739	20080829
NZ569638 A	20100827	NZ20070569638	20070130
PT1981892 T	20140623	PT20070705076T	20070130
RS53342 B	20141031	RS20140000304	20070130
SI1981892 T1	20140731	SI20070031467T	20070130
UA95939 C2	20110926	UA20080009945	20070130
US2009149437 AA	20090611	US20080182931	20080730
US2012329774 AA	20121227	US20120604282	20120905
US2013150573 AA	20130613	US20130760788	20130206
US8283359 BB	20121009	US20080182931	20080730
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WO07088345 A1	20070809	WO2007GB00310	20070130	
ZA200807447 A	20091125	ZA20080007447	20070130	

Probable Assignee: UCB PHARMA SA

Assignee(s):(std)**:** ARCHIBALD SARAH CATHERINE ; BROOKINGS DANIEL CHRISTOPHER ; DAVIS JEREMY MARTIN ; HUTCHINGS CLIVE MARTIN ; HUTCHINGS MARTIN CLIVE ; JOHNSON JAMES ANDREW ; LANGHAM BARRY JOHN ; UCB SA ; NEUSS JUDI CHARLOTTE ; UCB PHARMA S A ; UCB PHARMA SA

Assignee(s): UCB PHARMA SA60 ALLEE DE LA RECHERCHEB−1070BRUSSELSBE ; UCB S A

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Inventor(s): NEUSS JUDI CHARLOTTEGB ; SARAH CATHERINE ARCHIBALD ; LANGHAM BARRY JOHNGB ; MARTIN CLIV HUTCHINGS ; MARTIN CLIVE HUTCHINGS ; JOHNSON JAMES ANDREWGB ; JUDI CHARLOTTE NEUSS ; HUTCHINGS MARTIN CLIVEGB ; JAMES A JOHNSON ; JAMES ANDREW JOHNSON ; JEREMY MARTIN DAVIS ; DAVIS JEREMY MARTINGB ; BROOKINGS DANIEL CHRISTOPHERGB ; DANIEL CHRISTOPHER BROOKINGS ; ARCHIBALD SARAH CATHERINEGB ; BARRY JOHN LANGHAM

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/43 A61K31/4365 A61K31/44 A61K31/4545 A61K31/496 A61K31/5377 A61K31/551 A61P25/00 A61P25/04 A61P29/00 A61P35/00 A61P35/02 A61P37/00 A61P37/06 A61P9/00 C07D495/04 C07D513/02 (Advanced/Invention); A61P29/00 A61P37/06 A61P9/00 (Advanced/Non−invention); A61K31/00 A61K31/43 A61K31/4353 A61K31/4523 A61K31/496 A61K31/5375 A61P29/00 A61P35/00 A61P9/00 C07D495/00 (Core/Invention); A61P29/00 A61P37/00 A61P9/00 (Core/Non−invention); A61K A61P C07D (Subclass/Invention)

International class (IPC 1–7): C07D495/04

CPC: C07D495/04 A61K31/4365

European class: C07D495/04

US class: 514/210.02 514/210.020P 514/210.18 514/210.21 514/218 514/233.8 514/253.04 514/301 514/301S 540/200 540/200S 540/575 544/127 544/362 544/362S 546/114 546/114S

Classification Explorer

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WO17033113, WO14199195, WO11034014, WO09153554, WO09093008, WO09013462, WO08020206, WO08020206, US9376709, US8637491, US8604051, US8487101, US8394822, US8350037, US8283359, US2011021558, US2010179124, JP5710269, JP2011507896, JP2011063569, CN105384754,

Abstract:
Source: US2009149437A A series of thieno[2,3−b]pyridine derivatives which are substituted in the 2−position by a substituted anilino moiety, being selective inhibitors of human MEK (MAPKK) enzymes, are accordingly of benefit in medicine, for example in the treatment of inflammatory, autoimmune, cardiovascular, proliferative (including oncological) and nociceptive conditions.

0) US2008284599A – PHARMA–INFORMATICS SYSTEM

17) Family number: 33588001 (US2008284599A) © PatBase

Title: PHARMA–INFORMATICS SYSTEM

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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FIELD AND FRANCIS LLP; BRET E; K AND L GATES LLP; FIELD BRET E

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61B A61B1/00 A61B1/273 A61B5/00 A61B5/026 A61B5/0265 A61B5/029 A61B5/04 A61B5/05 A61B5/053 A61B5/07 A61B5/145 A61B5/1473 A61G12/00 A61J A61J1/00 A61J3/00 A61J3/07 A61J7/00 A61J7/04 A61K9/00 A61K9/48 A61L33/00 A61M37/00 A61M5/168 A61M5/172 A61N1/00 A61N1/36 A61N1/362 A61N1/365 A61N1/37 A61N1/372 A61N1/378 B05D5/12 B23P11/00 B32B38/04 B65D41/02 B65D51/24 B65D83/04 B67D7/06 C23C14/06 C23C14/24 C23C14/34 G02B23/24 G06F19/00 G06K7/10 G06Q50/22 G08B1/08 G08B13/14 G08B21/02 G08B21/18 G08C17/00 H01M4/04 H01M4/06 H01M4/08 H01M6/32 H01M6/34 H01Q1/12 H01Q1/27 H01R43/00 H04B H04B1/02 H04B1/034 H04B1/06 H04B1/59 H04B13/00 H04B13/02 H04B7/24 H04Q5/22 (Advanced/Invention);
A61B5/00 A61B5/01 A61B5/03 A61B5/053 A61B5/07 A61B5/145 A61B5/1473 A61J7/04 A61K9/00 A61N1/372 G08C17/02 H01Q1/27 H04B1/38 H04B1/3888 (Advanced/Non-invention);
A61B1/273 A61B5/00 A61B5/026 A61B5/07 A61B5/145 A61J7/00 A61K9/00 A61K9/48 A61M37/00 A61N1/00 A61N1/362 G06F19/00 G08C17/00 H01M6/30 H01R43/00 H04B7/24 (Core/Invention);
A61B A61J A61K G06F H01Q H04B (Subclass/Invention)

International class (IPC 1–7): G06F19/00

CPC: H01M6/00 A61B5/0022 A61B5/026 A61N1/37217 A61M5/172 A61B5/0215 A61B5/0265 A61B5/145 A61B5/14535 A61B5/415 A61B5/418 A61B5/6862 A61B5/6876 A61N1/37223 H04B1/0343 H04B13/005 A61B2562/12 A61B5/0008 Y10T29/49826 Y10T156/1056 A61B5/0002 A61B2560/0412 G06F19/3462 A61B5/01 A61B5/036 A61B2562/0214 H04B1/3888 H04B2001/3894 A61B5/076 H01M4/06 H01M4/08 H01M4/0402 A61B5/6801 H01M6/34 H01M4/366 G06K7/10168 H01M4/381 H01M4/582 H01M4/66 H01M2220/30 A61B5/1473 A61B5/7285 A61B5/0538 A61B5/681 A61B2560/0462 A61B2562/08 A61B5/073 A61B5/4833 Y10T29/49117 Y10T29/49002 A61B2562/18 G08B21/18 B65D41/02 A61B5/7282 A61B5/6861 A61B5/07 A61J7/0084 A61J7/04 A61J7/0418 A61J2200/30 A61J2205/60 A61J7/0436 A61J7/0481 A61B5/0028 A61B5/14539 A61B5/4839 A61B2560/0214 A61J3/007 A61N1/37288 G06F19/3418 H01Q1/273 A61B5/0031 A61B2562/125 A61B2562/162 H02J50/20 A61B1/00 A61B1/273 A61B5/05 H04B7/24 A61B5/053 A61M37/00 G08B1/08 A61B5/00 H04B1/06 H04B13/02

European class: A61B5/00B A61B5/00B7B A61B5/00B8 A61B5/00B9 A61B5/0265 A61B5/07B A61B5/145H A61B5/145J A61B5/41J2 A61B5/41J8 A61B5/48J2 A61B5/68D1L A61B5/68D2H A61J3/00M A61J7/04B3 A61N1/372D2E G06F19/34C G06F19/34L1 H01Q1/27C K61B5/00B K61B5/00B3D K61B5/00B7B K61B5/01 K61B5/0215 K61B5/03H K61B5/053N K61B5/07B K61B5/145 K61B5/145J K61B5/1473 K61B5/48J2 K61B560/02B4 K61B560/04B2 K61B562/12 K61J7/04B1D2 K61J7/04B1G K61J7/04B3A2 K61N1/372D8S

US class: 1/1 156/252 156/252S 204/279 222/192 222/192S 222/23 222/23P 29/428 29/428S 29/592.1 29/825 29/825S 340/10.1 340/539.11 340/539.12 340/539.120P 340/572.1 340/572.100P 340/572.2 340/572.7 340/572.8 340/573.1 340/870.28 347/193 427/123 427/124 427/125 427/154 427/155 427/180 427/197 427/199 427/2.1 427/2.11 427/2.12 427/2.120S 427/2.13 427/202 427/209 427/210 427/248.1 427/250 427/255.11 427/255.15 427/255.7 427/258 427/259 427/269 427/270 427/271 427/272 427/282 427/287 427/299 427/331 427/372.2 427/383.1 427/383.3 427/383.5 427/384 427/385.5 427/402 427/404 427/405 427/419.1 427/534 427/58 427/596 427/8 427/96.1 427/96.2 427/96.5 427/96.6 427/97.1 427/97.3 427/97.4 427/97.5 427/97.6 427/98.4 427/98.5 427/98.6 427/99.2 427/99.4 429/119 455/39 455/39P 455/40 455/41.2 600/109 600/300 600/302 600/302P 600/309 600/309S 600/377 600/377P 600/407 600/505 600/505S 600/549 600/561 604/66 604/66S 604/891.1 604/93.01 604/93.010S 607/17 607/17S 607/32 607/32S 607/60

Classification Explorer

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WO10011833 A1, WO10009100 A1, WO10003175, WO10000085, WO09146082 A2, WO09111664 A2, WO09081348 A1, WO09063377 A1, WO09051830 A1, WO09051829 A1, WO09036334 A1, WO09031149 A2, WO09029453 A2, WO09022343, WO09006615 A1, WO09005759, WO09001108 A1, WO09000447 A2, WO08150633 A2, WO08134185 A2, WO08133394 A1, WO08120156 A2, WO08112578 A1, WO08112577 A1, WO08101107 A1, WO08097652 A2, WO08095183 A2, WO08091683 A2, WO08089232 A1, WO08076464 A2, WO08066617 A2, WO08063626 A2, WO08061138, WO08052136 A2, WO08039030, WO08030482 A2, WO08012700 A1, WO08008281 A2, WO08002239, WO07149546 A2, WO07143535 A2, WO07133526, WO07130491 A2, WO07128165 A1, WO07127945, WO07127879 A2, WO07127455, WO07127316 A2, WO07120946 A2, WO07115087 A1, WO07101141 A2, WO07096810 A1, WO07071180 A1, WO07067054 A1, WO07040878 A1, WO07036746 A2, WO07036741 A1, WO07036687 A1, WO07028035 A2, WO07027660 A2, WO07021496 A2, WO07014527 A2, WO07014084 A1, WO07013952 A2, WO07001742 A2, WO07001724 A1, WO06127355 A2, WO06119345, WO06116718 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Abstract:
Source: US2008284599A Compositions, systems and methods that allow for the detection of the actual physical delivery of a pharmaceutical agent to a body are provided. Embodiments of the compositions include an identifier and an active agent. The invention finds use in a variety of different applications, including but not limited to, monitoring of therapeutic regimen compliance, tracking the history of pharmaceutical agents, etc.

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Inventor(s):(std)**:** CABINALLA LINDA ; KAYS STEVEN

Inventor(s): STEVEN KAYS

Agent(s): SHELSTON IP; KAYS STEVEN; INNOVATION INSTITUTEION LLC; BORDEN LADNER GERVAIS LLP; MAURICIO JARAMILLO CAMPUZANO; BEETZ AND PARTNER

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): E06B7/32 G06F17/00 G06F17/30 G06Q G06Q10/00 G06Q30/00 G06Q50/00 (Advanced/Invention)

International class (IPC 1–7): G06Q30/00

CPC: G06Q10/10 G06F17/30 G06Q30/0601 G06F17/00

European class: G06Q10/10

Classification Explorer

Forward Citations: WO13144220, WO10091514, US9077848, US9067140, US9051886, US8976218, US8918083, US8878043, US8771064, US8666891, US8594721, US8332918, US8332395, US8244558, US8224375, US8219424, US7917417, US2009187429,

Abstract:
Explore interesting inventions inside, conceived by our genius idea generator. Discover history's most effective method in conceiving novel uses for existing electronic technology. License huge domains of intellectual property from the invention directory our system helped develop. The searcher can find one of our interesting inventions in this patent application via our LicenseItToday.com, etc. Call our California Headquarters 1−707−428−5000. View invention ideas, plus 100+ variations adapted for end user target markets. LicenseItToday.com fills out exclusive international license agreements valid up to December 2026. It saves time and money creative LP. over any other documented creative thinking process. Licensees seek outputted patents using our or their pat attorneys. Royalties can start when profits begin. Or you can buy the affordable I.P. rights. Proof is in tryingit out. Discover amazing inventions inside today.

0) US2002176682A – FILAMENT ORGANIZER

19) Family number: 28265690 (US2002176682A) © PatBase

Title: Filament organizer

Priority: US20010804781 20010313 WO2001US20275 20010626

Family:

Publication number	Publication date	Application number	Application date
AU2001297943 AA	20020924	AU20010297943	20010626
CN1493012 A	20040428	CN20018023036	20010626
US2002176682 AA	20021128	US20010804781	20010313
US6600866 BB	20030729	US20010804781	20010313
WO02073273 A1	20020919	WO2001US20275	20010626

Probable Assignee: PROXIMION FIBER SYSTEMS AB

Assignee(s):(std)**:** 3M INNOVATIVE PROPERTIES CO

Assignee(s): 3M INNOVATIVE PROPERTIES COMPANY ; PROXIMION FIBER SYSTEMS AB

Inventor(s):(std)**:** GATICA A ; GATICA ANTHONY ; GATICA ANTHONY WILLIAM ; LABRAKE D L ; LABRAKE DWAYNE L

Inventor(s): A GATICA ; D L LABRAKE ; DL LABRAKE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): G02B6/02 G02B6/245 G02B6/36 G02B6/44 (Advanced/Invention); G02B6/02 G02B6/245 G02B6/36 G02B6/44 (Core/Invention)

International class (IPC 1–7): G02B6/00 G02B6/16 G02B6/245 G02B6/36 G02B6/44

CPC: G02B6/02152 G02B6/245 G02B6/3616 G02B6/3652 G02B6/4453 G02B6/4457 G02B6/4497

European class: G02B6/16A S02B6/36H S02B6/36M5B S02B6/44C8A6 S02B6/44C8B

US class: 242/159 242/169 385/135 385/135P 385/137

Classification Explorer

Cited documents: WO0049376 A2, WO0002075 A1, US6367730 BA, US6123801 A, US6088503 A, US6069988 A, US6027062 A, US5988556 A, US5939136 A, US5894540 A, US5745615 A, US5684910 A, US5481638 A, US5451294 A, US5402515 A, US5340371 A, US5269206 A, US5114066 A, US5002735 A, US4976596 A, US4865411 A, US4662307 A, US4653681 A, US4630406 A, US4623156 A, US4511095 A, US4434554 A, US4410561 A, JP8178810 A2, JP8178810, JP61040846 A2, JP60122754 A2, GB2241221 A1, EP1035425 A1,

Forward Citations: WO04063786, WO02082133, WO02082133, US9720195, US9719194, US9715075, US9645317, US9632270, US9568699, US9541726, US9541725, US9535229, US9523833, US9519119, US9519118, US9494758, US9488788, US9470869, US9435975, US9429714, US9417418, US9389384, US9354416, US9329353, US9279951, US9250409, US9229172, US9213161, US9195021, US9170391, US9146374, US9134496, US9128262, US9116324, US9075217, US9075216, US9075203, US9069150, US9059578, US9057859, US9042702, US9038832, US9022814, US9020320, US9008485, US9002166, US8995812, US8992099, US8989547, US8985862, US8953924, US8913866, US8879881, US8718436, US8712206, US8705926, US8699838, US8662760, US8660397, US8625950, US8593828, US8542973, US8538226, US8452148, US8433171, US8280216, US8184938, US7493006, US7379650, US7326855, US7302155, US7258560, US7229042, US6993238, US6898360, US6857293, US6702195, US6591054, US2015218734, US2015093088, US2012292096, US2010296790, US2010061687, US2010054683, US2010054682, US2008232759, US2008118207, US2008069510, US2006239628, US2006035525, US2005175293, US2004007630, US2003115911, FR2848542, EP1586000, EP1499471, CN102156339,

Abstract:
Source: US2002176682A A filament organizer comprises a support having a first surface opposite a second surface and further includes a lockable spool and a rotary spool adjacent to the first surface of the support. The organizer has a tensioner attached to the second surface of the support for attachment to the rotary spool by a tension wire to apply tension thereto to transmit tension to a filament disposed between the lockable spool and the rotary spool. Selective reduction in tension on a filament is possible using a tension relief assembly attached to the support. A stacked configuration of a plurality of filament organizers may be formed by suitable alignment of supports.

0) US2002172777A – FILAMENT RECOATING APPARATUS AND METHOD

20) Family number: 28279467 (US2002172777A) © PatBase

Title: FILAMENT RECOATING APPARATUS AND METHOD

Priority: US20010805473 20010313 WO2001US20401 20010626

Family:

Publication number	Publication date	Application number	Application date
AU2001271510 AA	20020924	AU20010271510	20010626
CN1492845 A	20040428	CN20018023034	20010626
EP1370500 A1	20031217	EP20010950529	20010626
US2002172777 AA	20021121	US20010805473	20010313
US6783597 BB	20040831	US20010805473	20010313
WO02072496 A1	20020919	WO2001US20401	20010626

Probable Assignee: 3M INNOVATIVE PROPERTIES CO

Assignee(s):(std)**:** 3M INNOVATIVE PROPERTIES CO

Assignee(s): 3M INNOVATIVE PROPERTIES COMPANY

Inventor(s):(std)**:** CRONK B J ; CRONK BRYON J ; CRONK BRYON JAMES ; KORDECK D L ; KORDECKI DAVID L ; WALKER C B ; WALKER CHRISTOPHER B JR ; WALKER JR CHRISTOPHER B ; WALKER CHRISTOPHER B ; GATES BRIAN JOHN ; CRONK BYRON JAMES ; GATES BRIAN J

Inventor(s): JR ; D L KORDECK ; DL KORDECK ; B J CRONK ; BJ CRONK ; C B WALKER ; CB WALKER

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): C03C25/14 (Advanced/Invention); C03C25/12 (Core/Invention)

International class (IPC 1–7): B05C5/00 B05D1/02 B05D3/06 C03C25/14

CPC: Y10S118/22 C03C25/143

European class: C03C25/14B

US class: 118/304 118/500 118/503 118/620 118/642 118/DIG.22 427/140 427/163.2 427/292 427/372.2 427/386 427/421 427/424 427/427.4 427/510 427/511 427/512 427/532 427/555 427/565 427/600

Classification Explorer

Cited documents: US6596203 BA, US6123801 A, US6088503 A, US6069988 A, US6027062 A, US5988556 A, US5939136 A, US5894540 A, US5745615 A, US5684910 A, US5481638 A, US5451294 A, US5387444 A, US5340371 A, US5273622 A, US5269206 A, US5119464 A, US5114066 A, US5022735 A, US4976596 A, US4865411 A, US4662307 A, US4653681 A, US4630406 A, US4623156 A, US4511095 A, US4434554 A, US4410561 A, JPS6413105, JPS6140846, JPS60122754, JP6413105, JP64013105 A2, JP61040846 A2, JP60122754 A2, EP1035425 A1,

Forward Citations: US9161100, US8509587, US8182880, US8092100, US7100531, US2013105616, US2012174714, US2010189884, US2008282522, US2005076834, US2004062480, CN102618642,

Abstract:
Source: US2002172777A A filament coating apparatus comprising a frame for releasably securing a filament, and a carriage mounted on the frame to oscillate between a first position and a second position. There is a first filament holding fixture mounted on the carriage and a second filament holding fixture also mounted on the carriage in axial alignment with the first filament holding fixture to secure a measured filament portion, preferably of an optical fiber, including a bare portion thereof, located inside a first boundary and a second boundary, between the first filament holding fixture and the second filament holding fixture. At least one spray head is

attached to the frame at the first position with at least one radiation source attached to the frame at the second position. The measured filament portion moves between the spray head and the radiation source, during oscillation of the carriage between the first position and the second position to place the bare portion to receive a curable coating composition from the spray head, for application from the first boundary to the second boundary, and thereafter to cure the curable coating by exposure to radiation from the radiation source.

0) US2015290795A – METHODS AND SYSTEMS FOR FOOD PREPARATION IN A R...

21) Family number: 60176686 (US2015290795A) © PatBase

Title: METHODS AND SYSTEMS FOR FOOD PREPARATION IN A ROBOTIC COOKING KITCHEN

Priority: US20140013190P 20140617 US20140013502P 20140617 US20140013691P 20140618 US20140044677P 20140902 US20140024948P 20140715 US20140055799P 20140926 US20140090310P 20141210 US20140942559P 20140220 US20140073846P 20141031 US20140990431P 20140508 US20140953930P 20140316 US20140987406P 20140501 US20140083195P 20141122 US20140136624P 20150322 US20150104680P 20150116 US20150116563P 20150216 US20150113516P 20150208 US20150109051P 20150128 US20150627900 20150220 US20150829579 20150818 US20150202030P 20150806 US20150189670P 20150707 US20150166879P 20150527 US20150161125P 20150513 US20150146367P 20150412 WO2015IB00379 20150220 WO2015EP01704 20150819 US20150136624P 20150322

Family:

Publication number	Publication date	Application number	Application date
AU2015220546 AA	20150827	AU20150220546	20150220
AU2015311234 AA	20160310	AU20150311234	20150819
CA2933095 AA	20160608	CA20152933095	20150220
CA2959698 AA	20170301	CA20152959698	20150819
CN106030427 A	20161012	CN201580009171	20150220
EP3107429 A2	20161228	EP20150718079	20150220
EP3188625 A1	20170712	EP20150754120	20150819
IN201647028133 A	20160930	IN201647028133	20160818
IN201747006161 A	20170609	IN201747006161	20170221
JP2017506169 T2	20170302	JP20160570195T	20150220
KR20160124770 A	20161028	KR20167022615	20150220
KR20170061686 A	20170605	KR20177009064	20150819
SG11201701093S A1	20170330	SG20171101093	20150819
US2015290795 AA	20151015	US20150627900	20150220
US2016059412 AA	20160303	US20150829579	20150818
WO15125017 A2	20150827	WO2015IB00379	20150220
WO15125017 A3	20160602	WO2015IB00379	20150220
WO16034269 A1	20160310	WO2015EP01704	20150819

Probable Assignee: MBL LTD

Assignee(s):(std)**:** MBL LTD ; OLEYNIK MARK

Inventor(s):(std)**:** OLEYNIK MARK

Agent(s): SPRUSON AND FERGUSON; SMART AND BIGGAR; PLATZOEDER MICHAEL CHRISTIAN; NISHIJIMA TAKAKI; OHTSUKA FUMIAKI; SUDA HIROYUKI; KONDO NAOKI; UESUGI HIROSHI; DESHIMARU TAKESHI; KORENBERG ALEXANDER TAL ET AL; WALLINGER RICKER SCHLOTTER TOSTMANN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47J27/62 A47J44/00 B25J11/00 B25J13/00 B25J13/02 B25J13/08 B25J19/02 B25J3/04 B25J9/00 B25J9/16 B25J9/18 B25J9/22 B62D57/032 G05B19/42 (Advanced/Invention)

CPC: G05B19/42 G05B2219/36184 G05B2219/40391 G05B2219/40395 B25J9/163 B25J9/0087 B62D57/032 Y10S901/01 Y10S901/03 Y10S901/28 G05B2219/40116 B25J3/04 B25J9/0018 B25J11/009 B25J13/02 B25J19/02 B25J9/0081

US class: 700/245 700/250 700/257 901/1 901/28 901/3

Classification Explorer

Cited documents: US7844398 BB, US5656785 A, US2014277742 AA, US2014103673 AA, US2013345873 AA, US2013333094 AA, US2013331989 AA, US2013325181 AA, US2013151007 AA, US2011208355 AA, US2011067521 AA, US2010274388 AA, US2009285664 AA, US2009210090 AA, US2009158864 AA, US2009031825 AA, US2008058988 AA, US2007120512 AA, US2007018470 AA, US2005193901 AA, US2004172380 AA, US2004030570 AA,

Forward Citations: WO17125296, USD766958, US9701530, US9694494, US9684830, US9676098, US9669543, US9652038, US9561591, US9506767, US2017157766, US2017028551, US2017023947, US2016370393, US2016246369, US2016217322, US2016140391, US2016082947, US2016052132, US2016035315, US2014137587,

Abstract:
Source: US2015290795A The present disclosure is directed to methods, computer program products, and computer systems for instructing a robot to prepare a food dish by replacing the human chef's movements and actions. Monitoring a human chef is carried out in an instrumented application−specific setting, a standardized robotic kitchen in this instance, and involves using sensors and computers to watch, monitor, record and interpret the motions and actions of the human chef, in order to develop a robot−executable set of commands robust to variations and changes in the environment, capable of allowing a robotic or automated system in a robotic kitchen to prepare the same dish to the standards and quality as the dish prepared by the human chef.

0) US2002077270A – NUCLEIC ACIDS, PROTEINS, AND ANTIBODIES

22) Family number: 1914515 (US2002077270A) © PatBase

Title: Nucleic acids, proteins, and antibodies

Priority:
US20000179065P 20000131 US20000180628P 20000204 US20000214886P 20000628
US20000216647P 20000707 US20000216880P 20000707 US20000215135P 20000630
US20000217487P 20000711 US20000220963P 20000726 US20000217496P 20000711
US20000218290P 20000714 US20000224518P 20000814 US20000224519P 20000814
US20000220964P 20000726 US20000225213P 20000814 US20000225758P 20000814
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US20000241786P 20001020 US20000241221P 20001020 US20000246475P 20001108
US20000246477P 20001108

Family:

Publication number	Publication date	Application number	Application date
US2002077270 AA	20020620	US20010764848	20010117
US2002086330 AA	20020704	US20010764893	20010117
US2002086353 AA	20020704	US20010764856	20010117
US2002086811 AA	20020704	US20010764861	20010117
US2002086822 AA	20020704	US20010764886	20010117
US2002090615 AA	20020711	US20010764878	20010117
US2002090672 AA	20020711	US20010764853	20010117
US2002090673 AA	20020711	US20010764898	20010117
US2002094953 AA	20020718	US20010764860	20010117
US2002102638 AA	20020801	US20010764846	20010117
US2002132753 AA	20020919	US20010764864	20010117
US2002147140 AA	20021010	US20010764877	20010117
US2002151479 AA	20021017	US20010764873	20010117
US2002164685 AA	20021107	US20010764857	20010117
US2002168711 AA	20021114	US20010764868	20010117
US2002173454 AA	20021121	US20010764904	20010117

US2003139327 A9	20030724	US20010764886	20010117	
US2003171252 A9	20030911	US20010764861	20010117	

Probable Assignee: HUMAN GENOME SCIENCES INC

Assignee(s): BARASH STEVEN C ; HUMAN GENOME SCIENCES INC ; ROSEN CRAIG A ; RUBEN STEVEN M

Inventor(s):(std)**:** BARASH STEVEN C ; ROSEN CRAIG A ; RUBEN STEVEN M

International class (IPC 8–9): A61K31/00 A61K38/17 A61K48/00 C07H21/02 C07H21/04 C07K14/435 C07K14/47 C07K14/575 C12N15/74 C12N5/06 C12N9/00 C12N9/64 C12P21/02 C12Q1/68 G01N33/53 G01N33/574 (Advanced/Invention); A61K31/00 A61K38/17 A61K48/00 C07H21/00 C07K14/435 C12N5/06 C12N9/00 C12N9/64 C12P21/02 C12Q1/68 (Core/Invention)

International class (IPC 1–7): A61K31/00 A61K38/17 C07H21/02 C07H21/04 C07K14/435 C12N15/74 C12N5/06 C12N9/00 C12P21/02 C12Q1/68 G01N33/53 G01N33/574

CPC: C12Q1/6883 C12Q1/6886 C12Q2600/158 A61K38/00 C07K14/47 G01N33/57423 G01N33/6893 G01N33/689 G01N2800/368 G01N33/6884 G01N33/68 C12Q2600/156 C07K2319/00 C07K2319/02 C07K2319/21 C07K2319/30 C07K2319/31 C07K2319/42 C07H21/04 A61K31/00 A61K38/17 A61K48/00 C07K14/435 C07K14/575 C12N5/06 C12N9/00 C12N9/64 C12P21/02 C12Q1/68

European class: C07H21/04 C07K14/47 C12Q1/68M6 C12Q1/68M6B G01N33/574C8 G01N33/68 G01N33/68P G01N33/68T G01N33/68V K61K38/00 M07K319/00 M07K319/02 M07K319/21 M07K319/30 M07K319/31 M07K319/42 M12Q1/68M6 M12Q600/156 M12Q600/158 S01N800/36F

US class: 435/183 435/183S 435/320.1 435/320.100S 435/325 435/325S 435/5 435/5P 435/6 435/6.11 435/6.110P 435/6.110S 435/6.16 435/6.160P 435/69.1 435/69.100P 435/69.100S 435/69.3 435/69.300S 435/6P 435/6S 435/7.1 435/7.100P 435/7.100S 435/7.23 435/7.230S 435/71 514/1 514/1.1 514/1.2 514/1.200P 514/12 514/16.9 514/16.900S 514/17.7 514/17.700S 514/19.3 514/19.300S 514/19.4 514/19.400S 514/19.5 514/19.500P 514/19.500S 514/1P 514/20.1 514/20.100S 514/9.8 514/9.800S 530/350 530/350S 536/23.1 536/23.100S 536/23.2 536/23.200S

Classification Explorer

Forward Citations: WO17011837, WO14130796, WO09148896, WO09148896, WO08094510, WO08094510, WO08042399, WO08042399, WO07070708, WO05010152, WO05010152, WO04096988, WO04096988, WO04060388, WO04011604, WO04011604, US9633575, US9605264, US9535071, US9518264, US9457005, US9382541, US9314538, US9279126, US9248123, US9125868, US9107837, US9096854, US9078931, US9073985, US9029512, US9006418, US8999291, US8965708, US8961985, US8957031, US8916195, US8907078, US8828966, US8815889, US8722085, US8648186, US8637642, US8604169, US8557764, US8444975, US8329651, US8318788, US8119139, US8106182, US8088786, US7968090, US7951375, US7927597, US7807818, US7754748, US7736654, US7700757, US7696336, US7641905, US7628989, US7534429, US7462626, US7442777, US7431923, US7425571, US7375111, US7351566, US7264926, US7198917, US7094587, US7005254, US6987089, US6825329, US6806254, US2012128701, US2012076731, US2012015884, US2011236306, US2011207795, US2011195019, US2011150910, US2011118175, US2011086437, US2010317719, US2010297669, US2010297006, US2010297005, US2010203512, US2010166789, US2010166782, US2010158931, US2010092473, US2010062462, US2010034839, US2009258027, US2009247483, US2009175838, US2009156539, US2009136477, US2009076108, US2009068690, US2008188476, US2008089891, US2008044408, US2007298417, US2007231261, US2007167385, US2007129283, US2007065906, US2007048299, US2007025912, US2006286639, US2006269481, US2006240464, US2006234290, US2006204497, US2006142290, US2006142222, US2006122109, US2006009633, US2005215552, US2005192225, US2005191311, US2005181414, US2005137144, US2004254208, US2004198668, US2004146938, US2004121349, US2004110939, US2004083497, US2004081653, US2003087295, US2003068624, US2003059919, US2003040001, US2003039986, US2002150924, US2002107190, US2002048764, EP2914286, CN105120894,

Abstract:
Source: US2002077270A The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or

compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

0) US2002039764A – NUCLEIC, ACIDS, PROTEINS, AND ANTIBODIES

23) Family number: 30114705 (US2002039764A) © PatBase

Title: Nucleic, acids, proteins, and antibodies

Priority: US19990124270P 19990312 US20010925297 20010810 US20010925298 20010810 US20010925299 20010810 US20010925301 20010810 US20010925300 20010810 US20010925302 20010810 US20020102806 20020322 WO2000US05882 20000308 WO2000US05881 20000308 WO2000US05883 20000308 WO2000US05918 20000224 WO2000US05918 20000308 WO2000US05989 20000308 WO2000US05988 20000308

Family:

Publication number	Publication date	Application number	Application date
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WO0055351 A1	20000921	WO2000US05883	20000308

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Inventor(s): STEVEN M RUBEN ; CRAIG A ROSEN

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZW

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A61K38/00 A61K39/00 A61K48/00 (Core/Non–invention)

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European class: C07K14/47A1 C07K14/47A1A C07K14/47A34 K61K38/00 K61K39/00 K61K39/53 K61K48/00 M07K203/00 M07K203/02 M07K205/00 M07K207/00 M07K215/00 M07K319/00 M12N799/02A66

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Abstract:
Source: US2002039764A The present invention relates to novel ovarian cancer and/or breast cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "ovarian and/or breast antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such ovarian and/or breast polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the reproductive system, particularly disorders of the ovaries and/or breast, including, but not limited to, the presence of ovarian and/or breast cancer and ovarian and/or breast cancer metastases. More specifically, isolated ovarian and/or breast nucleic acid molecules are provided encoding novel ovarian and/or breast polypeptides. Novel ovarian and/or breast polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human ovarian and/or breast polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the ovaries and/or breast, including ovarian and/or breast cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

0) US2002182325A – FILAMENT RECOATING APPARATUS AND METHOD

24) Family number: 30008994 (US2002182325A) © PatBase

Title: Filament recoating apparatus and method

Priority: US20010804760 20010313 WO2001US20405 20010626

Family:

Publication number	Publication date	Application number	Application date
AU2001271513 AA	20020924	AU20010271513	20010626
EP1368281 A1	20031210	EP20010950532	20010626
US2002182325 AA	20021205	US20010804760	20010313
US6503327 BB	20030107	US20010804760	20010313
WO02072497 A1	20020919	WO2001US20405	20010626

Probable Assignee: PROXIMION FIBER SYSTEMS AB

Assignee(s):(std)**:** 3M INNOVATIVE PROPERTIES CO

Assignee(s): 3M INNOVATIVE PROPERTIES COMPANY ; PROXIMION FIBER SYSTEMS AB

Inventor(s):(std)**:** NELSON BRIAN K ; NELSON BRIAN KENNETH

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): C03C25/18 (Advanced/Invention); C03C25/12 (Core/Invention)

International class (IPC 1–7): B05C3/12 B05D1/18 B05D3/06 B05D3/12 C03C25/18

CPC: C03C25/18

European class: C03C25/18

US class: 118/410 118/420 118/500 118/642 427/355 427/430.1 427/532

Classification Explorer

Cited documents: WO0146080 A2, US6123801 A, US6088503 A, US6069988 A, US6027062 A, US5988556 A, US5939136 A, US5894540 A, US5684910 A, US5481638 A, US5451294 A, US5340371 A, US5269206 A, US5114066 A, US5022735 A, US4976596 A, US4865411 A, US4662307 A, US4653681 A, US4630406 A, US4623156 A, US4511095 A, US4434554 A, US4410561 A, NN27062, JP61040846 A2, JP60122754 A2,

Forward Citations: US6666984, US2007201793, US2004062480,

Abstract:
Source: US2002182325A A filament coating apparatus comprising a frame including a first filament holding fixture and a second holding fixture for releasably securing a filament adjacent to an extrusion coating fixture also attached to said frame. The extrusion coating fixture comprises a guide rod, a carriage movably mounted on the guide rod, and a coating head including an opening for directing a curable coating composition to a filament positioned in a channel formed in the coating head. A radiation source is aligned to the coating head for radiation curing of the curable coating composition applied to the filament. Both the coating head and the radiation source are joined to the carriage to move relative to a portion of a filament during application of curable coating composition to its surface.

0) US2003008323A – CHEMICAL–LIBRARY COMPOSITION AND METHOD

25) Family number: 30000554 (US2003008323A) © PatBase

Title: CHEMICAL–LIBRARY COMPOSITION AND METHOD

Priority:

US19990129664P 19990415 US19990170947P 19991215 US20000241714P 20001018
US20000241714P 20001018 US20000692526 20001018 US20000549970 20000414
US20000694077 20001019 US20010244483P 20011026 US20000259416P 20001228
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Family:

Publication number	Publication date	Application number	Application date
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WO05072205 A3	20051117	WO2005US01656	20050118	

Probable Assignee: MILLIPORE CORP

Assignee(s):(std)**:** BESKE OREN E ; BLAND KIMBERLY ; CHEMICON INT INC ; GOLDBARD SIMON ; VIRTUAL ARRAYS INC ; RAVKIN ILYA ; HYUN WILLIAM C ; RAVKIN ILVA ; TYNAN KATHERINE M ; RAVKIN IIYA ; VITRA BIOSCIENCE INC ; TEMOV VLADIMIR ; MILLIPORE CORP ; SINIAGUINE OLEG ; ZAROWITZ MICHAEL A

Assignee(s): VITRA BIOSCIENCES ; VITRA BIOSCIENCES ASSIGNMENT FOR BENEFIT OF CREDIT ; VITRA BIOSCIENCES ASSIGNMENT FOR BENEFIT OF CREDITORS LLC ; VITRA BIOSCIENCES (ASSIGNMENT FOR BENEFIT OF CREDITORS) LLC ; VITRA BIOSCIENCES LLC ; EDWARDS GLENN R ; FOULKES J G ; FOULKES J GORDON

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Agent(s): PHILLIPS ORMONDE FITZPATRICK; FETHERSTONHAUGH AND CO; KOLISCH HARTWELL PC; HAMILTON BROOK SMITH AND REYNOLDS PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B01J19/00 B01L3/00 B01L3/02 C07K1/04 C09K3/00 C12M1/00 C12M1/22 C12M1/34 C12N1/21 C12N11/16 C12N15/09 C12Q1/00 C12Q1/02 C12Q1/20 C12Q1/68 C12Q1/70 C40B30/04 C40B40/02 C40B40/06 C40B40/10 C40B50/06 C40B60/00 C40B60/12 G01J4/00 G01N1/00 G01N1/28 G01N15/06 G01N21/00 G01N21/03 G01N21/21 G01N21/25 G01N21/29 G01N21/75 G01N21/77 G01N21/78 G01N27/72 G01N33/00

G01N33/15 G01N33/48 G01N33/483 G01N33/50 G01N33/53 G01N33/543 G01N33/544 G01N33/551 G01N33/553 G01N33/558 G01N33/566 G01N33/567 G01N33/569 G01N33/58 G01N33/68 G01N33/74 G01N35/00 G01N35/10 G01N37/00 G01V15/00 G06F19/00 G06K9/00 G11C5/06 H01L23/58 (Advanced/Invention);
B01L9/00 C07B61/00 C12M1/00 C12N15/09 C12Q1/00 C40B40/06 C40B40/10 C40B60/14 C40B70/00 G01N33/53 (Advanced/Non–invention);
B01J19/00 B01L3/00 B01L3/02 C07K1/00 C09K3/00 C12M1/00 C12M1/22 C12M1/34 C12Q1/00 C12Q1/18 C12Q1/68 C40B30/04 G01J4/00 G01N1/00 G01N21/21 G01N21/25 G01N33/48 G01N33/483 G01N33/50 G01N33/53 G01N33/543 G01N33/558 G01N33/569 G01N33/58 G01N35/10 G06F19/00 G06K9/00 G11C5/06 (Core/Invention);
B01L9/00 C07B61/00 C40B40/04 C40B60/14 C40B70/00 (Core/Non–invention);
C12N G01N (Subclass/Invention)

International class (IPC 1–7): B01J19/00 B01L3/02 C07H19/00 C07H21/02 C07H21/04 C07K1/04 C09K3/00 C12M1/00 C12M1/34 C12N1/21 C12N11/16 C12N15/09 C12N15/85 C12N5/00 C12P19/34 C12Q1/00 C12Q1/02 C12Q1/68 C12Q1/70 G01N1/00 G01N1/28 G01N15/06 G01N21/00 G01N21/03 G01N21/25 G01N21/75 G01N21/77 G01N21/78 G01N27/72 G01N31/00 G01N33/00 G01N33/15 G01N33/48 G01N33/483 G01N33/50 G01N33/53 G01N33/533 G01N33/542 G01N33/543 G01N33/544 G01N33/551 G01N33/553 G01N33/554 G01N33/566 G01N33/567 G01N33/58 G01N35/00 G01N37/00 G01V15/00 G06F19/00 G06K9/00

CPC: B01J2219/00565 B01J2219/0063 B01J2219/00644 B01J2219/00554 B01J2219/00574 B01J2219/00648 B01J2219/00729 B01J2219/00533 G01N33/5008 G01N33/585 G01N33/56966 B01J2219/00635 B01J2219/00639 G06K9/0014 G01N33/5023 G01N33/6875 G01N33/74 G01N2333/726 G01N33/558 G01N33/5005 G01N33/5044 C12M23/12 B01J2219/00556 B01J2219/0056 G01N21/21 G01N21/6456 C12Q1/6897 C12M25/14 C12M23/10 Y10S435/808 Y10S435/968 Y10S436/807 B01L2200/025 B01L2200/0647 B01L2200/0657 B01L2200/143 B01L2300/0627 B01L2300/0681 B01L2300/0867 B01L2300/0887 B01L2400/0487 C12M33/04 B01J2219/00414 B01J2219/00423 B01J2219/00466 B01J2219/00502 B01J2219/00547 B01J2219/00558 B01J2219/00617 B01J2219/00621 B01J2219/00637 B01J2219/00641 B01L2300/0636 B01L2300/0819 B01L2300/0893 G01N33/587 B01J19/0046 B01J2219/00497 B01J2219/005 B01J2219/0052 B01J2219/00524 B01J2219/00527 B01J2219/00545 B01J2219/00576 B01J2219/0059 B01J2219/00592 B01J2219/0061 B01J2219/00612 B01J2219/00626 B01J2219/00657 B01J2219/00673 B01J2219/00702 B01J2219/00707 B01J2219/0072 C07B2200/11 C07K1/047 G01N33/54366 G01N33/54313 C12M41/46 B01L3/5085 B01J2219/00317 B01J2219/0036 B01J2219/00364 B01J2219/00511 B01J2219/0054 B01J2219/00585 B01J2219/00596 B01J2219/00605 B01J2219/00659 B01J2219/00662 B01J2219/00677 B01J2219/00722 B01J2219/00725 B01J2219/0074 B01J2219/00743 B01L9/523 B01L2200/0642 B01L2300/06 B01L2300/0829 B01L2300/0851 B01L2300/0861 B01L2300/168 C40B40/06 C40B40/10 C40B60/14 C40B70/00 G01N35/026 G01N35/1011 B01L3/021 B82Y30/00 B01J2219/00315 C12Q1/00 B82Y5/00

European class: B01J19/00C B01L3/5085 B82Y30/00 C07K1/04C C12M1/22 C12M1/34 C12M23/12 C12M25/14 C12M41/46 C12Q1/68P G01N21/21 G01N21/64P4 G01N33/50D G01N33/50D2 G01N33/50D2E2 G01N33/50D2F G01N33/543D G01N33/543K G01N33/558 G01N33/569H G01N33/58H G01N33/58H4 G01N33/68H G01N33/68V2 G01N33/74 G06K9/00B2 L01J219/00C10B L01J219/00C10B16 L01J219/00C10B16B L01J219/00C10B2 L01J219/00C10B4 L01J219/00C10B6 L01J219/00C2B4D2 L01J219/00C2B4D2B L01J219/00C2D3 L01J219/00C2D4 L01J219/00C2L L01J219/00C2L2 L01J219/00C2L6 L01J219/00C2L7F L01J219/00C2L7H L01J219/00C2L8 L01J219/00C2L8F L01J219/00C2N L01J219/00C2N12 L01J219/00C2N14B L01J219/00C2N14D L01J219/00C2N4 L01J219/00C2N8 L01J219/00C2N8B L01J219/00C2N8F L01J219/00C4B L01J219/00C4D L01J219/00C4F L01J219/00C4H L01J219/00C4L10 L01J219/00C4L12 L01J219/00C4L12B L01J219/00C4L16 L01J219/00C4L2 L01J219/00C4L24 L01J219/00C4L2D L01J219/00C4L2F L01J219/00C4L2H2 L01J219/00C4L2H4 L01J219/00C4L2J2 L01J219/00C4L2J6 L01J219/00C4L2L2 L01J219/00C4L2L4 L01J219/00C4L3 L01J219/00C4L3B L01J219/00C4L3D L01J219/00C4L4B L01J219/00C6P L01J219/00C6P4 L01L200/06H L01L300/06 L01L300/06B2 L01L300/08B12 L01L300/08B6 L01L300/08D2 L01L300/08E L01L300/08H L01L300/16B L01L9/523 M07B200/11 M07K203/02 M07K205/02 M40B40/06 M40B40/10 M40B60/14 M40B70/00 S01N21/21 S01N333/72B

US class: 257/48 257/79 356/364 365/63 365/63P 382/128 382/128S 422/100 422/101 422/102 422/504 422/504P 422/552 422/67 422/68.1 422/82.05 422/82.08 422/82.09 435/283.1 435/287.1 435/287.100S 435/287.2 435/287.200S 435/288.1 435/288.3 435/288.4 435/29 435/29P 435/309.1 435/309.100S 435/325 435/325S 435/4 435/455 435/455S 435/4P 435/4S 435/6 435/6.1 435/6.100P 435/6.11 435/6.110S 435/6.14 435/6.140P 435/6.140S 435/6.18 435/6.180S 435/6S 435/7.1 435/7.100P 435/7.2 435/7.200P 435/7.200S 435/7.21 435/7.210S 435/7.5 435/7.500S 435/7.9 435/7.900S 435/70.1 435/72.1 435/808 435/968 436/518 436/518S 436/523 436/523S 436/6 436/807 506/10 506/10P 506/12

506/13 506/23 506/33 506/37 506/37P 506/39 506/39P 506/39S 506/41 506/41S 506/7 506/9 506/9P 536/23.1 536/231 536/24.3 536/243 702/19 702/19S

Classification Explorer

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Forward Citations: WO16115537, WO15024863, WO14144016, WO14001459, WO13152109, WO13077864, WO13033080, WO12120514, WO12011877, WO11106402, WO11011350, WO11005818, WO10042333, WO09111573, WO09111573, WO09065620, WO09062107, WO09032650, WO08091696, WO08085907, WO08034275, WO06113930, WO06113930, WO06090165, WO06072033, WO06072033, WO06061600, WO06043267, WO06043267, WO06041938, WO06036952, WO06036952, WO06031800, WO05079545, WO05079545, WO05079544, WO05079544, WO05053827, WO05050207, WO05050207, WO05047464, WO05047464, WO05029047, WO05029047, WO05010162, WO05010162, WO04063751, WO04046697, WO04041317, WO04038415, WO04034012, WO04034012, WO04028682, WO04028682, WO04012658, WO04012658, WO04011940, WO03076900, WO03076900, WO0244733, WO0244733, US9714937, US9714446, US9709559, US9709548, US9702887, US9701998, US9700889, US9695468, US9694361, US9689878, US9689024, US9684005, US9664597, US9651568, US9644204, US9637777, US9625472, US9619627, US9612234, US9610597, US9586346, US9581527, US9567631, US9564261, US9562897, US9562860, US9562837, US9557318, US9551600, US9546932, US9534252, US9534216, US9530204, US9523677, US9513224, US9506917, US9500645, US9498761, US9498759, US9494521, US9494498, US9487745, US9476856, US9476101, US9476025, US9448172, US9440232, US9436088, US9422523, US9410201, US9410151, US9400259, US9399797,

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Abstract:
Source: US2003008323A A method for multiplexed detection and quantification of analytes by reacting them with probe molecules attached to specific and identifiable carriers. These carriers can be of different size, shape, color, and composition. Different probe molecules are attached to different types of carriers prior to analysis. After the reaction takes place, the carriers can be automatically analyzed. This invention obviates cumbersome instruments used for the deposition of probe molecules in geometrically defined arrays. In the present invention, the analytes are identified by their association with the defined carrier, and not (or not only) by their position. Moreover, the use of carriers provides a more homogenous and reproducible representation for probe molecules and reaction products than two−dimensional imprinted arrays or DNA chips.

0) US2013245819A – DYNAMIC GRAPHICAL DISPLAY FOR A BEVERAGE DISPEN...

26) Family number: 54785431 (US2013245819A) © PatBase

Title: DYNAMIC GRAPHICAL DISPLAY FOR A BEVERAGE DISPENSING SYSTEM

Priority: US20120612098P 20120316 US20130791587 20130308 WO2013US29716 20130307

Family:

Publication number	Publication date	Application number	Application date
CA2867442 AA	20140915	CA20132867442	20130307
CN104246838 A	20141224	CN201380020456	20130307
EP2826027 A1	20150121	EP20130713608	20130307
IN06685CN2014 A	20160701	IN2014CN06685	20140908
JP2015519262 T2	20150709	JP20150500472T	20130307
KR20140134698 A	20141124	KR20147028357	20130307
MX2014010882 A1	20141015	MX20140010882	20130307
SG11201405390V A1	20141030	SG20141105390	20130307
US2013245819 AA	20130919	US20130791587	20130308
US9475685 BB	20161025	US20130791587	20130308
WO13138164 A1	20130919	WO2013US29716	20130307

Probable Assignee: STARBUCKS CORP

Assignee(s):(std)**:** STARBUCK COFFEE CO STARBUCKS CORP DBA ; STARBUCKS CORP DBA STARBUCKS COFFEE CO ; STARBUCKS CORP D B A STARBUCKS COFFEE CO ; STARBUCKS CORP D ; STARBUCKS CORP

Assignee(s): STARBUCKS D B A STARBUCKS COFFEE CO CORP ; STARBUCKS D CORP ; WELCH ROBERT V ; WALL ZACHARY ROBERT ; WIDMER OWEN BRUCE ; STARBUCKS DBA STARBUCKS COFFEE CO CORP2401 UTAH AVENUE SOUTHSEATTLEWA98134–1435US ; DARRAGH TIMOTHY ; DAVENPORT KELLIE SUE ; PEREZ ANTHONY LEE ; POMPOUGNAC GAUTHIER624 EAST 11TH AVENUEVANCOUVERB1V5T 2E3CA ; STARBUCK COFFEE CO STARBUCKS DBA CORP ; SAMSON TYRONE ; SOLEY KEVIN WILLIAM ; SHIOSAKI ANDREW Y ; SNOOK JAMES EDWARD ; STARBUCKS COFFEE CO CORP ; STARBUCKS DBA STARBUCKS COFFEE CO CORP

Inventor(s):(std)**:** DARRAGH TIMOTHY ; DAVENPORT KELLIE SUE ; PEREZ ANTHONY LEE ; POMPOUGNAC GAUTHIER ; SAMSON TYRONE ; SHIOSAKI ANDREW Y ; SOLEY KEVIN WILLIAM ; SNOOK JAMES EDWARD ; WALL ZACHARY ROBERT ; WELCH ROBERT V ; WIDMER OWEN BRUCE

Inventor(s): WIDMER OWEN BRUCEUS ; ZACHARY ROBERT WALL ; WELCH ROBERT VUS ; WALL ZACHARY ROBERTUS ; SNOOK JAMES EDWARDUS ; SOLEY KEVIN WILLIAMUS ; TIMOTHY DARRAGH ; TYRONE SAMSON ; SHIOSAKI ANDREW YUS ; SAMSON TYRONEUS ; POMPOUGNAC GAUTHIER624 EAST 11TH AVENUEVANCOUVERB1V5T 2E3CA ; ROBERT V WELCH ; PEREZ ANTHONY LEEUS ; DAVENPORT KELLIE SUEUS ; GAUTHIER POMPOUGNAC ; JAMES EDWARD SNOOK ; KELLIE SUE DAVENPORT ; KEVIN WILLIAM SOLEY ; OWEN BRUCE WIDMER ; DARRAGH TIMOTHYUS ; ANDREW Y SHIOSAKI ; ANTHONY LEE PEREZ

Agent(s): GOWLING LAFLEUR HENDERSON LLP; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER; KNOBBE MARTENS OLSON AND BEAR LLP; CHRISTENSEN MICHAEL R

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47J31/44 B67D1/08 B67D7/74 G07F13/02 G07F9/02 (Advanced/Invention)

CPC: B67D1/0872 G07F13/02 G07F9/02

US class: 1/1 222/23 222/25 222/28 345/582 345/629 700/231

Classification Explorer

Cited documents: WO11067157 A1, WO07003990 A2, WO07003062 A1, WO04030438 A2, US8245739 BA, US6759072 BA, US5244119 A, US3934759 A, US2012287021 AA, US2012240781 AA, US2011315711 AA, US2011192495 AA, US2007241120 AA, US2007215239 AA, JP5534268 B1, JP5358742 B1, EP2381428 A1, EP1992263 A1,

DE102007027125 A1

CN1504159 A, CN101218611 A,

Forward Citations: WO16141322, WO16011372, US9701530, US9646314, US9633504, US9527716, US9511988, US9307860, US2013282451, JP6114156, JP2015072536, ES2593957,

Abstract:
Source: US2013245819A Systems and methods are provided for generating a dynamic graphical display for use in a product dispensing system, wherein the content of the display is dynamically generated based, at least in part, by the dispensing of a product. The product dispensing system can be a beverage dispensing system. When an operator activates a product dispenser to dispense a product, product imagery and/or related information may be dynamically generated and presented on a graphical display. A product dispensing and display system can include multiple product dispensers (for example, beverage taps) and an associated display for displaying dynamic digital content (such as visual and/or audible content) based on information received from the product dispensers and/or other input sources.

0) US2002174547A – APPARATUS AND METHOD FOR REMOVING COATINGS FROM...

27) Family number: 28274161 (US2002174547A) © PatBase

Title: Apparatus and method for removing coatings from filaments

Priority: US20010804847 20010313 WO2001US20268 20010626

Family:

Publication number	Publication date	Application number	Application date
AU2001297942 AA	20020924	AU20010297942	20010626
CN1636155 A	20050706	CN20018023022	20010626
US2002174547 AA	20021128	US20010804847	20010313
US6487939 BA	20021203	US20010804847	20010313
WO02073260 A2	20020919	WO2001US20268	20010626
WO02073260 A3	20030814	WO2001US20268	20010626

Probable Assignee: 3M INNOVATIVE PROPERTIES CO

Assignee(s):(std)**:** 3M INNOVATIVE PROPERTIES CO

Assignee(s): 3M INNOVATIVE PROPERTIES COMPANY

Inventor(s):(std)**:** COWHER JOHN T ; COWHER JOHN THOMAS ; DOWER WILLIAM V ; DOWER WILLIAM VOGEL

Inventor(s): JOHN T COWHER ; WILLIAM V DOWER

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): G02B6/245 G02B6/36 G02B6/38 (Advanced/Invention); G02B6/245 G02B6/36 G02B6/38 (Core/Invention)

International class (IPC 1–7): B21F13/00 G02B6/245 G02B6/34 H02G1/12

CPC: G02B6/02123 G02B6/02152 G02B6/245 G02B6/2558

European class: G02B6/16A S02B6/02G8M10

US class: 30/90.1 30/90.4 81/9.4 81/9.51 81/95.1

Classification Explorer

Cited documents: US6363604 BA, US6196087 BA, US6123801 A, US6069988 A, US6038503 A, US6027062 A, US5988556 A, US5939136 A, US5894540 A, US5893302 A, US5684910 A, US5481638 A, US5451294 A, US5340371 A, US5272941 A, US5269206 A, US5114066 A, US5037172 A, US5022735 A, US4976596 A, US4870878 A, US4865411 A, US4662307 A, US4653681 A, US4630406 A, US4623156 A, US4511095 A, US4434554 A, US4410561 A, US3363309 A, JP61040846 A2, JP60122754 A2, EP0934541 A1,

Forward Citations: US8677861, US7258560, US6764230, US6688207, US6666984, US2006086937, US2004062480, US2003196533, US2003138232, US2003062070,

Abstract:
Source: US2002174547A A mechanical stripping apparatus for displacing resin from a resin covered filament by forming a removable sleeve portion between opposing filament ends. The mechanical stripping apparatus comprises a first clamp for holding a filament at a first location and a second clamp having a separation from the first clamp and in axial alignment therewith for holding a filament at a second location. A first set of cutting blades adjacent to the first clamp is positioned for cutting into resin around a resin covered filament proximate to the first location. The mechanical stripping apparatus also includes a second set of cutting blades adjacent to the second clamp for cutting into resin around a resin covered filament proximate to the second location, such that a distance separates the first set of cutting blades from the second set of cutting blades. The distance between sets of cutting blades is less than the separation between the clamps. Movement of the first set of cutting blades and the second set of cutting blades towards each other produces the removable sleeve portion during displacement of resin from the resin covered filament.

0) US2002176680A – APPARATUS AND METHOD FOR FILAMENT TENSIONING

28) Family number: 28265696 (US2002176680A) © PatBase

Title: Apparatus and method for filament tensioning

Priority: US20010804766 20010313 WO2001US20373 20010626

Family:

Publication number	Publication date	Application number	Application date
AU2001276838 AA	20020924	AU20010276838	20010626
CN1493009 A	20040428	CN20018023035	20010626
US2002176680 AA	20021128	US20010804766	20010313
US6665483 BB	20031216	US20010804766	20010313
WO02073259 A2	20020919	WO2001US20373	20010626
WO02073259 A3	20030904	WO2001US20373	20010626

Probable Assignee: PROXIMION FIBER SYSTEMS AB

Assignee(s):(std)**:** 3M INNOVATIVE PROPERTIES CO ; 3M INNOVATIVE PRPERTIES CO

Assignee(s): PROXIMION FIBER SYSTEMS AB ; 3M INNOVATIVE PROPERTIES COMPANY

Inventor(s):(std)**:** GATICA A ; GATICA ANTHONY ; GATICA ANTHONY WILLIAM

Inventor(s): A GATICA ; ANTHONY GATICA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): G02B6/02 G02B6/245 G02B6/36 (Advanced/Invention); G01N3/00 G01N3/02 (Advanced/Non–invention); G02B6/02 G02B6/245 G02B6/36 (Core/Invention); G01N3/00 (Core/Non–invention)

International class (IPC 1–7): B65H59/00 G02B6/00 G02B6/16 G02B6/24 G02B6/25 G02B6/26 G02B6/34 G02B6/44

CPC: G01N2203/0017 G01N2203/028 G02B6/02152 G02B6/02185 G02B6/245 G02B6/3636

European class: G02B6/02G8M10 G02B6/02G8R2D G02B6/16A G02B6/245 S01N203/00F1A S01N203/02S1T1 S01N3/00F1A S01N3/02S1T1 S02B6/36M2G

US class: 385/134 385/134P 385/136 385/137 385/147

Classification Explorer

Cited documents: WO0002075 A1, US6129951 A, US6123801 A, US6088503 A, US6069988 A, US6027062 A, US5988556 A, US5939136 A, US5894540 A, US5684910 A, US5481638 A, US5451294 A, US5340371 A, US5269206 A, US5269181 A, US5114066 A, US5022735 A, US4976596 A, US4865411 A, US4662307 A, US4653681 A, US4630406 A, US4623156 A, US4511095 A, US4434554 A, US4410561 A, JP9280998 A2, JP9280998, JP61040846 A2, JP60122754 A2,

Forward Citations: WO15091502, US7258560, US6764230, US2013309406, US2009092351, FR3014866, CN104251800, CN103329015,

Abstract:
Source: US2002176680A A method and article for applying tension to a filament using a filament tensioning apparatus comprising a tensioning holder including at least one support bar. A first carriage is mounted at a first location on a support bar. The first carriage has a first clamp and a voice coil mounted thereon for movement relative to a support bar. A second carriage mounted at a second location on a support bar provides a separation between the first location and the second location. The second carriage has a second clamp and a load cell mounted thereon for movement relative to a support bar. A guide bar extends from the voice coil for contact with the load cell to adjust the separation of the first location from the second location to apply tension to a filament held between the first clamp and the second clamp.

0) US2003039440A – REFRACTIVE INDEX GRATING MANUFACTURING PROCESS ...

29) Family number: 23927413 (US2003039440A) © PatBase

Title: REFRACTIVE INDEX GRATING MANUFACTURING PROCESS

Priority: US20010804767 20010313 WO2001US20280 20010626

Family:

Publication number	Publication date	Application number	Application date
AU2001270165 AA	20020924	AU20010270165	20010626
CN1494663 A	20040505	CN20018023020	20010626
US2003039440 AA	20030227	US20010804767	20010313
US6532327 BA	20030311	US20010804767	20010313
WO02073258 A2	20020919	WO2001US20280	20010626
WO02073258 A3	20030501	WO2001US20280	20010626

Probable Assignee: PROXIMION FIBER SYSTEMS AB

Assignee(s):(std)**:** 3M INNOVATIVE PROPERTIES CO

Assignee(s): 3M INNOVATIVE PROPERTIES COMPANY ; PROXIMION FIBER SYSTEMS AB

Inventor(s):(std)**:** COWHER JOHN T ; COWHER JOHN THOMAS ; CRONK BRYON J ; CRONK BRYON JAMES ; DOWER W V ; DOWER WILLIAM V ; DOWER WILLIAM VOGEL ; GATES BRIAN J ; GATES BRIAN JOHN ; GATICA A W ; GATICA ANTHONY W ; GATICA ANTHONY WILLIAM ; LABRAKE DWAYNE L ; LEBLANC S P ; LEBLANC STEPHEN P ; LEBLANC STEPHEN PAUL ; NELSON BRIAN K ; NELSON BRIAN KENNETH ; PEPIN RONALD P ; PEPIN RONALD PHILLIP ; WALKER CHRISTOPHER B ; WALKER JR CHRISTOPHER B

Inventor(s): WILLIAM V DOWER ; WV DOWER ; RONALD P PEPIN ; S P LEBLANC ; SP LEBLANC ; STEPHEN P LEBLANC ; W V DOWER ; JOHN T COWHER ; A W GATICA ; ANTHONY W GATICA ; AW GATICA ; BRIAN J GATES ; BRIAN K NELSON ; BRYON J CRONK ; CHRISTOPHER B WALKER ; DWAYNE L LABRAKE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): B29C47/02 C03C25/10 C03C25/12 G02B6/02 G02B6/245 (Advanced/Invention); G02B6/36 G03F7/00 G03F7/24 (Advanced/Non–invention); B29C47/02 C03C25/10 C03C25/12 G02B6/02 G02B6/245 (Core/Invention); G02B6/36 G03F7/00 G03F7/24 (Core/Non–invention)

International class (IPC 1–7): B05D5/06 B29C47/02 C03C25/10 C03C25/12 G02B6/16 G02B6/245 G02B6/34 G02B6/44 G03C5/00 G03F7/00

CPC: B29C47/0021 G02B6/02152 B29C47/02 C03C25/106 C03C25/12 G02B6/245 G02B6/3616 G02B6/3636 G03F7/001 G03F7/24

European class: B29C47/02 C03C25/10P2D2 C03C25/12 G02B6/02G8M10 G02B6/16A G02B6/245 S02B6/36H S02B6/36M2G S03F7/00B3 S03F7/24

US class: 385/135 385/136 385/137 385/147 385/37 385/37P 427/163.2 427/163.200S 430/290 430/290S

Classification Explorer

Cited documents: WO9818031 A1, US6434314 BA, US6123801 A, US6088503 A, US6069988 A, US6064789 A, US6027062 A, US5988556 A, US5939136 A, US5894540 A, US5745615 A, US5684910 A, US5620495 A, US5604829 A, US5481638 A, US5451294 A, US5340371 A, US5269206 A, US5219120 A, US5208877 A, US5157747 A, US5114066 A, US5104209 A, US5037172 A, US5022735 A, US4976596 A, US4865411 A, US4662307 A, US4653681 A, US4630406 A, US4623156 A, US4511095 A, US4434554 A, US4410561 A, JP61040846 A2, JP60122754 A2, JP60122754, EP1035425 A1, DE3637159 A1,

Forward Citations: US9720185, US9625660, US9470850, US9442257, US9429704, US9304262, US9291780, US9268102, US9016953, US8939654, US7258560, US6666984,

US2014233889, US2008118207, US2005042387, US2004062480,

Abstract:
Source: US2003039440A A method for manufacturing an optical fiber refractive index grating. The method comprises the steps of, providing a substantially twist−free length of an optical fiber between a first spool and a second spool before attaching the first spool and the second spool to a support having a first surface opposite a second surface. The support and spools provide a filament organizer including the first spool as a lockable spool and the second spool as a rotary spool. The filament organizer further comprises a tensioner coupled to the rotary spool to apply tension to at least a central portion of the length of an optical fiber disposed between the lockable spool and the rotary spool. After removing a buffer coating from the central portion of an optical fiber and applying a controlled tension to the central portion of the optical fiber, changes are made to the refractive index characteristics of the central portion during exposure to an interference pattern of high intensity actinic radiation, to produce the refractive index grating.

0) US5050773A – ELECTRIC TOOTHPASTE DISPENSER

30) Family number: 29631742 (US5050773A) © PatBase

Title: Electric toothpaste dispenser

Priority:

KR19890014897	19891206	KR19890018479	19891206	KR19890018497U	19891206
KR19890018497	19891206	KR19910005115	19910413	KR19900004830	19900419
KR19920018525	19920929	US19900007161	19901206	KR19910005684	19910424
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KR19920011676	19920701	KR19920018525U	19920929	WO1993US00885	19930201
US19940256990	19940729	US19910698714	19910905	WO1990US07161	19901206
US19900478412	19900212	WO1992US03013	19920410		

Family:

Publication number	Publication date	Application number	Application date
AU199169793 A1	19910626	AU19910069793	19901206
AU199223647 A1	19921117	AU19920023647	19920410
AU199336564 A1	19930901	AU19930036564	19930201
AU650437 B2	19940623	AU19910069793	19901206
CA2070174 AA	19910607	CA19902070174	19901206
CA2108284 AA	19931012	CA19922108284	19920410
CA2129026 AA	19930805	CA19932129026	19930201
CN1080907 A	19940119	CN19931005243	19930428
EP0504299 A1	19920923	EP19910901626	19901206
EP0504299 A4	19940316	EP19910901626	19901206
EP0580796 A1	19940202	EP19920916229	19920410
EP0580796 A4	19950809	EP19920916229	19920410
EP0632700 A1	19950111	EP19930905773	19930201
EP0632700 A4	19950118	EP19930905773	19930201
JP2608218 B2	19970507	JP19900501961	19901206
JP5504748 T2	19930722	JP19900501961	19901206
JP6509535 T2	19941027	JP19920511732T	19920410
JP7503388 T2	19950413	JP19930513478T	19930201
KR920003815 Y1	19920612	KR19890018497U	19891206
KR930003408 Y1	19930611	KR19910005684U	19910424
KR930005237 Y1	19930811	KR19910005115U	19910413
KR940007398 B1	19940818	KR19920011676	19920701
KR950007418 Y1	19950911	KR19920018525U	19920929
MX9302480 A1	19940531	MX19930002480	19930428
NO922245 A	19920805	NO19920002245	19920605
NO922245 A0	19920605	NO19920002245	19920605
US5050773 A	19910924	US19900478412	19900212
US5215218 A	19930601	US19910698714	19910905
US5487877 A	19960130	US19940256990	19940729
WO9108144 A1	19910613	WO1990US07161	19901206
WO9218419 A2	19921029	WO1992US03013	19920410
WO9218419 A3	19921210	WO1992US03013	19920410
WO9314668 A1	19930805	WO1993US00885	19930201

Probable Assignee: CHOI MIN KI

Assignee(s):(std)**:** CHOE MIN KI ; CHOI MIN K ; CHOI MIN KI ; MIN K CHOI ; MIN KI CHOI

Inventor(s):(std)**:** CHOE MIN KI ; CHOI MIN KI ; CHOI MIN K

Inventor(s): MIN KI CHOI ; MIN K CHOI

Agent(s):	SPRUSON AND FERGUSON; PATENT ATTORNEY SERVICES; BORDEN LADNER GERVAIS LLP
Designated states:	AT AU BB BE BF BG BJ BR CA CF CG CH CI CM CS DE DK ES FI FR GA GB GN GR HU IE IT JP KP KR LI LK LU MC MG ML MN MR MW NL NO NZ PL PT RO RU SD SE SN SU TD TG UA US
International class (IPC 8–9):	A47K1/00 A47K1/09 A47K5/00 A47K5/12 A47K5/18 A61C13/00 A61L2/04 A61L2/10 A61L2/20 B65D35/28 B65D85/00 B67D7/02 (Advanced/Invention); A47K1/00 (Advanced/Non–invention); A47K1/00 A47K1/08 A47K5/00 A61C13/00 A61L2/04 A61L2/10 A61L2/20 B65D35/24 B65D85/00 (Core/Invention); B65D (Subclass/Invention)
International class (IPC 1–7):	A45D34/06 A47K1/09 A47K5/00 A47K5/12 A47K5/18 A61C13/00 A61L2/10 A61L2/20 A61L2/24 B65D35/28
CPC:	B65D35/285 B67D7/0216 A47K5/18 A47K5/00 A61L2/04 A61L2/10 A61L2/202
European class:	A47K5/00 A47K5/18 A61L2/04 A61L2/10 A61L2/20C B65D35/28B B67D7/02C
US class:	141/355 141/362 222/102 222/181.2 222/192 222/509 222/52 222/63 222/96 250/455.11 422/24 422/300
Classification Explorer	
Cited documents:	US5215218 A, US5127521 A, US5126572 A, US5120499 A, US5086916 A, US5050773 A, US5023460 A, US4973847 A, US4955509 A, US4950902 A, US4938384 A, US4921150 A, US4915219 A, US4806770 A, US4803364 A, US4740706 A, US4629095 A, US4625119 A, US4508242 A, US4473152 A, US4421252 A, US4418840 A, US4403714 A, US4258864 A, US4234104 A, US4214657 A, US3955922 A, US3884635 A, US3881868 A, US3867096 A, US3860147 A, US3820251 A, US3776694 A, US3741378 A, US3581943 A, US3353905 A, US3313454 A, US3309159 A, US3198389 A, US3114038 A, US3100842 A, US2596683 A, US2592131 A, US2587131 A, US2563733 A, US2528662 A, US2245762 A, US2064357 A, US1845291 A, FR2443975 A1, DE3904143 A1, DE2644151 A1, DE2639991 A1, DE2634039 A1, DE2548765 A1, DE2443975 A1, DE2345650 A1, CH237710 A,
Forward Citations:	WO9958021, WO9709071, WO9216425, WO14100747, WO14100747, WO08027884, WO06002101, WO04074164, WO0151098, WO0117892, WO0063086, USD788907, USD786422, USD783810, USD783809, USD782657, USD782656, USD780908, USD772397, USD772396, USD756664, USD756122, USD754330, USD747464, USD740936, USD731640, USD725770, USD718855, USD717427, USD714930, USD714929, USD707350, USD694398, USD670373, USD629884, USD574952, USD565175, USD557960, USD530010, US9642677, US9603958, US9597161, US9402466, US9308286, US9254342, US9186802, US9173530, US9061096, US9050157, US9039557, US8977796, US8941078, US8888727, US8808245, US8808209, US8801667, US8684241, US8683701, US8662705, US8641649, US8606981, US8590740, US8569715, US8550297, US8458922, US8408483, US8403665, US8393499, US8337770, US8296493, US8157127, US8113832, US7984567, US7798365, US7748566, US7748565, US7694873, US7694849, US7670141, US7669735, US7646000, US7611030, US7581638, US7547893, US7527446, US7520407, US7484675, US7475795, US7451894, US7431178, US7422129, US7348572, US7266855, US7202484, US6972416, US6939397, US6896154, US6815206, US6789701, US6769631, US6720950, US6691894, US6490351, US6481599, US6458331, US6401977, US6365113, US6364165, US6301359, US6216363, US6171559, US6096264, US6089405, US6050450, US6039928, US5975362, US5875929, US5845813, US5727273, US5492247, US5487877, US5441172, US5400839, US5330077, US5248061, US2016229674, US2016089460, US2014286830, US2013175415, US2013055834, US2012198641, US2012193392, US2011099831, US2011097683, US2011095046, US2011089193, US2010330527, US2010282775, US2010261137, US2010261134, US2010260648, US2010190132, US2010083520, US2010049159, US2009322190, US2009148358, US2009045221, US2008289188, US2008237259, US2008219883, US2008210702, US2008185397, US2008175761, US2008168677, US2008073374, US2008067419, US2007203439, US2007200072, US2007187271, US2007158518, US2007105065, US2007080167, US2007075092, US2007071636, US2007029343, US2006257197, US2006255065, US2006245814, US2006243740, US2006213924, US2005237249, US2005232686, US2005232683, US2005175498, US2005145801, US2005072855, US2005000365, US2004209711, US2004182885, US2004155201, US2003221269, US2003138347, US2003101525, US2003071790, US2002022246, US2001025672, TWI350147, KR101298668, KR101280411, KR101108371, KR101001039, JP9301390, GB2336353, FR2851242, FR2851241, ES2151339, EP3006051, EP2066569, EP1625093, EP1214269, EP0925794, EP0925794, DE102007007211, DE102007007211, CN105463763, CN103496485,

Abstract:
Source: US5050773A The present invention relates to a toothpaste dispensing apparatus which includes a housing having an adaptable nozzle at the top of the housing and two adaptable grasping assemblies located within the housing for holding the toothpaste container. A drive assembly is mounted within the housing and drives a carriage for squeezing along the length of the toothpaste container. A control system is also included for activating the drive assembly and for automatic reversal of the drive assembly.

0) US2006173985A – ENHANCED SYNDICATION

31) Family number: 34294363 (US2006173985A) © PatBase

Title: ENHANCED SYNDICATION

Priority:

DE20031035035 20030801 US20050223826 20050910 US20050233826 20050909
US20050594298P 20050326 US20050594416P 20050406 US20050594456P 20050410
US20050649311P 20050201 US20050649312P 20050201 US20050649504P 20050202
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US20120396966 20120215 US20060820485P 20060727 US20060822551P 20060816
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US20120682815 20121121 US20130933475 20130702 US20060756774P 20060106
US20060759483P 20060116 US20150855779 20150916

Family:

Publication number	Publication date	Application number	Application date	
CA2615523 AA	20080115	CA20062615523	20060717	
EP1851649 A2	20071107	EP20060734162	20060201	
EP2013753 A2	20090114	EP20070761466	20070427	
TW200714739 A	20070416	TW20060133344	20060908	
US2006173985 AA	20060803	US20050223826	20050910	
US2006265489 AA	20061123	US20060380923	20060429	
US2007050446 AA	20070301	US20060458092	20060717	
US2007056950 AA	20070315	US20050233826	20050909	
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US8566115 BB	20131022	US20090393170	20090226	
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US8832033 BB	20140909	US20120396966	20120215	
US9202084 BB	20151201	US20130933475	20130702	
WO06083958 A2	20060810	WO2006US03544	20060201	
WO06083958 A3	20090611	WO2006US03544	20060201	
WO07011917 A2	20070125	WO2006US27794	20060717	
WO07011917 A3	20080124	WO2006US27794	20060717	
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WO07030667 A4	20090924	WO2006US34944	20060907	
WO07130865 A2	20071115	WO2007US67643	20070427	
WO07130865 A3	20080904	WO2007US67643	20070427	
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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class(IPC 8–9)**:** A21B1/00 A21B1/22 C23C16/44 F27D11/00 F27D99/00 G06F15/16 G06F15/173 G06F17/00 G06F17/30 G06F19/00 G06F21/00 G06F21/60 G06F21/62 G06F3/14 G06F7/00 G06F7/06 G06Q10/00 G06Q30/00 G06Q40/00 G06Q50/00 G06Q50/24 G06Q99/00 H04J3/02 H04L29/06 H04L29/08 H04L9/00 H04L9/32 H05B1/00 H05B3/62 (Advanced/Invention);
G06F17/30 (Advanced/Non–invention);
A21B1/00 F27D11/00 F27D23/00 G06F15/16 G06F17/00 G06F17/30 G06F19/00 G06F21/00 G06F3/14 G06F7/06 G06Q10/00 G06Q30/00 G06Q50/00 G06Q99/00 H04J3/02 H04L9/00 H04L9/32 H05B1/00 (Core/Invention)

CPC: F27B5/04 F27B17/0025 F27D99/0006 G06Q10/109 H04L67/26 G06F21/604 G06F19/321 H04W4/206 H04L63/1441 H04L63/0823 H04L63/08 G06Q30/0277 G06Q30/0273 G06Q30/02 G06Q10/10 G06Q50/24 G06F2221/2107 G06F21/6254 G06F21/6227 G06F21/602 H04L63/083 G06F2221/2145 G06F2221/2101 H04L12/66 H04L63/20 G06Q50/22 G06F21/6263 G06F19/328 G06F19/327 G06F19/325 H04L12/1859 H04L67/12 H04L67/00 H04L69/40 H04L67/1095 G06F17/30578 G06F17/30876 G06Q50/16 G06Q30/0201 G06F19/3456 H04L41/5045 H04L41/22 G06F8/36 H04L69/16 A61B8/565 A61B6/566 H04L67/16 H04L67/02 G06F19/3418 A61B5/0002 G06F19/322 G06F17/3089 G06F19/324 H04L67/2838 H04L67/2823 H04L67/28 H04L2209/60 H04L2209/56 H04L9/3226 G06Q30/0269 G06Q30/0264 H04L63/0428 G06F2221/2115 G06F21/31 H04L63/105 G06F19/3443 G06F19/3406 G06F19/326 G06F17/30923 G06F17/30867 G06F21/6245 G06Q10/00 G06F19/3487 G06Q50/00 G06Q40/04 G06Q30/0603 G06F17/30575 Y02P90/84

European class: F27B17/00B1 F27B5/04 F27D99/00A4 G06F17/30S7 G06F17/30S7A G06F17/30W1F G06F17/30W5 G06F17/30W7 G06F19/32C G06F19/32E G06F19/32E1 G06F19/32G G06F19/32H G06F19/34J G06F19/34P G06F21/31 G06F21/60B G06F21/62B5 G06F21/62B5A G06F21/62B5B G06F8/36 G06Q10/00 G06Q10/10 G06Q10/109 G06Q10/10T G06Q30/02 G06Q30/0201 G06Q30/0264 G06Q30/0269 G06Q30/0273 G06Q30/0277 G06Q30/0603 G06Q30/06C G06Q40/04 G06Q50/00 G06Q50/16 G06Q50/22 G06Q50/24 H04L12/24F3 H04L12/24S2A H04L12/66 H04L29/08N H04L29/08N1 H04L29/08N11 H04L29/08N25 H04L29/08N27 H04L29/08N27F H04L29/08N27I H04L29/08N9R H04L29/14 H04L41/22 H04L41/50G1 H04L63/08 H04L63/08D H04L63/20 H04L9/32 S06F19/32C S06F19/32E S06F19/32G S06F19/34L S06F221/2101 S06F221/2115 S06F221/2119 S06F221/2145 T04L12/18P T04L12/24F3 T04L29/06J T04L29/08N1 T04L41/22 T04L63/04B T04L63/08D

US class: 1/1 1/1P 219/200 219/385 219/391 219/406 257/E21.190S 370/352 370/352S 370/401 370/401S 370/462 370/462P 438/592P 705/10 705/10P 705/10S 705/14 705/14.61 705/14.610P 705/14.66 705/14.660S 705/14.69 705/14.690P 705/14.73 705/14.730S 705/2 705/2P 705/2S 705/3 705/313 705/313S 705/3P 705/3S 705/4 705/50 705/50P 705/51 705/51P 705/7.29 705/7.290P 707/10 707/104.1 707/3 707/4 707/661 707/667 707/667P 707/707 707/791 707/795 707/796 707/802 707/822 707/828 707/999.003 707/999.003S 707/999.004 707/999.004S 707/999.01 707/999.010S 707/999.104 707/999.104S 707/999.107 707/999.107S 707/E17.005 707/E17.005S 707/E17.008 707/E17.008S 707/E17.014 707/E17.014S 707/E17.032 707/E17.032S 707/E17.044 707/E17.044S 707/E17.07 707/E17.070S 707/E17.112 707/E17.116 707/E17.116S 709/201 709/201P 709/201S 709/202 709/203 709/203P 709/204 709/204S 709/217 709/217P 709/219 709/223 709/223P 709/223S 709/246 709/246P 713/156 713/166 715/273 715/273S 726/1 726/1P 726/2 726/27 726/30 726/5 726/5S

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US2007156859, US2007156809, US2007156807, US2007156756, US2007156265, US2007152849, US2007136337, US2007136252, US2007136201, US2007130197, US2007124425, US2007124285, US2007116037, US2007116036, US2007112944, US2007112861, US2007112599, US2007112512, US2007106804, US2007106754, US2007106753, US2007106752, US2007106751, US2007106750, US2007106650, US2007106649, US2007106633, US2007106537, US2007106536, US2007100959, US2007099658, US2007094350, US2007088862, US2007088807, US2007083536, US2007083468, US2007081550, US2007081471, US2007078904, US2007078898, US2007078897, US2007078885, US2007078884, US2007078876, US2007078832, US2007078713, US2007078712, US2007077921, US2007067725, US2007067388, US2007067384, US2007067190, US2007064603, US2007061711, US2007061487, US2007061393, US2007061366, US2007061266, US2007055169, US2007050446, US2007043735, US2007038931, US2007038567, US2007033528, US2007033517, US2007033290, US2007027860, US2007022447, US2007021981, US2007019068, US2007016558, US2007011161, US2006288329, US2006288011, US2006287989, US2006271949, US2006271504, US2006265652, US2006265518, US2006265489, US2006265472, US2006265394, US2006257834, US2006253907, US2006253455, US2006248182, US2006248181, US2006248092, US2006198208, US2006190459, US2006184678, US2006184560, US2006179342, US2006173985, US2006167860, US2006167749, US2006085428, US2006050654, US2006017810, US2006011718, US2006004908, US2005282698, US2005267973, US2005267972, US2005198021, US2005193043, US2005174939, US2005132048, US2005131750, US2005119925, US2005114349, US2005114292, US2005091532, US2005071643, US2005038326, US2004186856, US2004117224, US2003078770, US2002169793, TWI588667, TWI567570, TWI553556, TWI507984, TWI476607, TWI439109, TWI369881, TWI366111, RU2560196, RU2487397, KR101528853, KR101238374, JP5662943, JP5535067, JP5497060, JP2012511847, JP2012511778, JP2010530586, JP2010501933, ITAN20100013, GB2504331, GB2503570, GB2498116, GB2490866, GB2482837, GB2480599, GB2449815, FR2952204, ES2399303, EP3151519, EP3133507, EP3033702, EP3033702, EP2954421, EP2919175, EP2852823, EP2787479, EP2702551, EP2702551, EP2612291, EP2596428, EP2584752, EP2584752, EP2581866, EP2574006, EP2574006, EP2574005, EP2574005, EP2506518, EP2409493, EP2409493, EP2356618, EP2352083, EP2352083, EP2342648, EP2333665, EP2309699, EP2257894, EP2254065, EP2220571, EP2184679, EP2144401, EP2103084, EP2103084, EP2074576, EP2054812, EP2054812, EP1987438, EP1965311, EP1959365, DE102015214253, CN104462173, CN104199779, CN104025017, CN103963757, CN103885964, CN103843030, CN103608803, CN103577531, CN103577531, CN103116620, CN103026338, CN102934092, CN102508910, CN102246490, CN102054017, CN101873321, AU2012228997, AU2010300532, AU2009324961, AU2008343496, AU2006306720,

Abstract:
Source: US2006173985A A variety of tools and techniques are disclosed for managing, viewing, publishing, searching, clustering, and otherwise manipulating data streams. Data streams such as RSS data feeds may be searched, aggregated, and filtered into a processed feed. The processed feed, along with rules used to process the feed may be shared in a number of ways. A data feed management system may provide an integrated user interface through which a user may manage feeds, including searching for new feeds, managing and filtering current feeds, modifying a user profile, and sharing feeds and feed configuration data with other users. A server may provide a complementary search engine to locate new feeds and to store and/or index items or posts in known feeds. Together, these technologies may provide a richly−functioned feed management system and greater ease of use for individuals in managing large numbers of feeds and large amounts of data in feeds. Additional functional layers may provide for authentication, security, and privacy, metadata creation and management, and social networking features. Using the management tools and additional functionality, a syndicated data stream system may provide a platform for a wide array of useful consumer and business applications.

0) US2012094992A – POLY (ADP–RIBOSE) POLYMERASE (PARP) INHIBITORS ...

32) Family number: 46987141 (US2012094992A) © PatBase

Title: POLY (ADP–RIBOSE) POLYMERASE (PARP) INHIBITORS

Priority: EP20100722829 20100326 EP20110187698 20100326 US20090164132P 20090327 WO2010US28878 20100326 US20100260680 20100326

Family:

Publication number	Publication date	Application number	Application date
DE602010018817 D1	20141016	DE201060018817T	20100326
EP2415767 A1	20120208	EP20110187698	20100326
EP2415767 B1	20140903	EP20110187698	20100326
JP2012522007 T2	20120920	JP20120502295T	20100326
JP5730281 B2	20150610	JP20120502295T	20100326
US2012094992 AA	20120419	US20100260680	20100326
US8669249 BB	20140311	US20100260680	20100326
WO10111626 A2	20100930	WO2010US28878	20100326
WO10111626 A3	20101118	WO2010US28878	20100326

Probable Assignee: TAKEDA PHARMACEUTICAL

Assignee(s):(std)**:** BROWN JASON W ; GANGLOFF ANTHONY R ; JENNINGS ANDREW JOHN ; TAKEDA PHARMACEUTICAL ; VU PHONG H

Assignee(s): TAKEDA PHARMACEUTICAL CO LTD ; TAKEDA PHARMACEUTICAL CO LTD OSAKA SHI ; TAKEDA PHARMACEUTICAL COMPANY LIMITED ; TAKEDA CALIFORNIA INC

Inventor(s):(std)**:** BROWN JASON W ; GANGLOFF ANTHONY R ; JENNINGS ANDREW JOHN ; VU PHONG H

Inventor(s): VU PHONG H SAN DIEGO ; JENNINGS ANDREW JOHN SAN DIEGO ; GANGLOFF ANTHONY R SAN DIEGO ; BROWN JASON W SAN DIEGO

Agent(s): D YOUNG AND CO LLP; DUNCAN GARRETH ANDREW; TAKASHIMA HAJIME; MATTHEW J; MITCHELL R; RUSSO MATTHEW J ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/538 A61P1/02 A61P1/04 A61P11/00 A61P11/06 A61P11/16 A61P13/12 A61P15/00 A61P17/18 A61P19/02 A61P21/02 A61P25/00 A61P25/14 A61P25/16 A61P25/28 A61P27/02 A61P29/00 A61P3/00 A61P3/04 A61P3/06 A61P3/10 A61P31/04 A61P31/10 A61P31/18 A61P35/00 A61P35/02 A61P43/00 A61P9/00 A61P9/04 A61P9/06 A61P9/10 A61P9/14 C07D265/36 C07D413/06 C07D413/12 C07D413/14 C07D417/12 C07D473/12 (Advanced/Invention); C07D265/00 (Core/Invention)

CPC: C07D265/36 C07D413/06 C07D413/12 C07D413/14 C07D417/12 C07D473/12

European class: C07D265/36 C07D413/06 C07D413/12 C07D413/14 C07D417/12 C07D473/12

US class: 514/230.5 514/230.500P 544/105 544/105S

Classification Explorer

Cited documents: WO06024517 A1, WO0017201 A1, WO0017201, WO00017201, USRE28819 E, US6191127 BA, US4929269 A, US4414209 A, US4410545 A, US4409239 A, US4364923 A, US4358603 A, US4328245 A, US4044126 A, US3710795 A, US2012022056 AA, US2007179165 AA, US2007075347 AA, US2007075347, US20070075347, US2005075347 AA, US2004029734 AA, US0075347, JP2010520293 T2, JP2010520293, JP2007137818 A2, JP2007137818, JP2005521698 T2, JP2005521698,

Forward Citations: WO14184272, WO14184272, US9624241, US9540368, US9539260, US9533997, US9527864, US9399640, US9315501, JP2014511892,

Abstract:
Source: US2012094992A Compounds of the following formula are provided for use in inhibiting Poly (ADP−ribose) Polymerase (PARP): wherein the variables are defined herein. Also provided are pharmaceutical compositions, kits and articles of manufacture comprising such compounds, methods and intermediates useful for making the compounds, and methods of using the compounds.

0) US2006124655A – SMART MEDICINE CONTAINER

33) Family number: 33074769 (US2006124655A) © PatBase

Title: SMART MEDICINE CONTAINER

Priority: US20040905032 20041211 US20070775611 20070710 US20080267555 20081107 US20090488879 20090622 US20090611912 20091103 US20090613520 20091105 US20090613528 20091105 US20130915237 20130611 US20140338337 20140722 US20160144710 20160502

Family:

Publication number	Publication date	Application number	Application date
US2006124655 AA	20060615	US20040905032	20041211
US2007271001 AA	20071122	US20070775611	20070710
US2009057328 AA	20090305	US20080267555	20081107
US2009259336 AA	20091015	US20090488879	20090622
US2010049363 AA	20100225	US20090611912	20091103
US2010096399 AA	20100422	US20090613528	20091105
US2010100237 AA	20100422	US20090613520	20091105
US2013304255 AA	20131114	US20130915237	20130611
US2014326744 AA	20141106	US20140338337	20140722
US2016247345 AA	20160825	US20160144710	20160502
US7269476 BB	20070911	US20040905032	20041211
US8483872 BB	20130709	US20090611912	20091103
US8985388 BB	20150324	US20080267555	20081107
US9043015 BB	20150526	US20090488879	20090622
US9492355 BB	20161115	US20140338337	20140722
WO10054205 A2	20100514	WO2009US63567	20091106
WO10054205 A3	20100923	WO2009US63567	20091106

Probable Assignee: NOVATION SCIENCE LLC

Assignee(s):(std)**:** NOVATION SCIENCE HOLDING LLC ; NOVATION SCIENCE LLC ; RATANKAR NITESH ; RATNAKAR NITESH

Inventor(s):(std)**:** RATANKAR NITESH ; RATNAKAR NITESH

Agent(s): NITESH RATNAKAR; BOYLE FREDRICKSON SC; MITCHELL LAW PLLC; MATTHEW W; JUNDONG; JARRELL KENNETH W

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A01C9/00 A24F15/04 A61J7/00 A61J7/02 A61J7/04 B23Q7/04 B65D83/04 B65H3/22 B65H3/36 G06F17/00 G06F19/00 G07F11/00 G07F11/16 G07F11/26 G07F11/44 G07F17/00 G07F9/02 G09B19/00 (Advanced/Invention); A61G5/10 A61J7/02 G06F19/00 (Advanced/Non–invention); A01C9/00 A24F15/00 A61J7/00 B65D83/04 B65H3/00 G06F17/00 G07F11/00 G07F11/16 G09B19/00 (Core/Invention)

CPC: A61J7/0084 A61J2200/30 G07F9/026 G07F11/26 A61J7/0481 G07F9/02 G07F11/44 G07F17/0092 A61J2205/60 A61J2205/70 A61J7/0076 A61J7/02 A61J7/0436 A61J7/0454 A61J7/0427 A61J7/0418 G06F19/3462 A61J7/0445

European class: A61J7/02 A61J7/04B3 G06F19/34A G06F19/34L G06F19/34L1 G07F11/26 G07F11/44 G07F17/00P G07F9/02 G07F9/02D K61J7/02 K61J7/04B1B K61J7/04B1D2 K61J7/04B3A2 S06F19/34L1

US class: 177/25.18 221/1 221/154 221/154S 221/1P 221/1S 221/208 221/208S 221/218 221/253 221/254 221/3 221/3P 221/9 221/97 221/97S 235/150.51 235/91R 364/479 434/262 434/262S 700/231 700/231S 700/232 700/232P 700/236 700/236P 700/237 700/237S

700/240 700/241 700/242 700/244

Classification Explorer

Cited documents: US9016516 BB, US8588963 BB, US8483872 BB, US8357114 BB, US8102735 BB, US7790990 BB, US7747454 BB, US7715277 BB, US7384658 BB, US7269476 BB, US7158011 BB, US7108153 BB, US7080755 BB, US7048141 BB, US6961285 BB, US6834775 BA, US6789497 BA, US6768929 BB, US6733095 BA, US6702146 BB, US6611733 BA, US6604650 BB, US6594549 BB, US6574166 BB, US6561377 BA, US6539281 BB, US6535637 BA, US6529446 BA, US6510962 BA, US6471087 BA, US6415202 BA, US6380858 BA, US6314384 BA, US6304797 BA, US6302295 BA, US6301196 BA, US6294999 BA, US6263259 BA, US6234345 BA, US6198695 BA, US6131399 A, US6085752 A, US6032609 A, US6003467 A, US5979698 A, US5975010 A, US5945651 A, US5915589 A, US5884806 A, US5860563 A, US5850344 A, US5835455 A, US5812064 A, US5768327 A, US5752235 A, US5751661 A, US5714199 A, US5660563 A, US5642731 A, US5609268 A, US5495961 A, US5473703 A, US5472113 A, US5462198 A, US5412372 A, US5408443 A, US5377814 A, US5279422 A, US5239491 A, US5216975 A, US5119969 A, US5044516 A, US4915256 A, US4911327 A, US4838453 A, US4798309 A, US4763810 A, US4753189 A, US4695954 A, US4674651 A, US4573606 A, US4504153 A, US4405045 A, US4368382 A, US4120627 A, US3900718 A, US3897527 A, US3820503 A, US3802381 A, US3762601 A, US3648596 A, US3327847 A, US3099045 A, US2980962 A, US2906070 A, US2008099366 AA, US2007271001 AA, US2005280185 AA, US2005217208 AA, US2005150488 AA, US2004172162 AA, US2004081023 AA, US2004045978 AA, US2004035878 AA, US2003222090 AA, US2003183642 AA, US2003086338 AA, US2003043026 AA, US2002169835 AA, US2002169635 AA, US2002104741 AA, US2002093429 AA, US2002093427 AA, US2002070227 AA, US2001009398 AA, EP0471417 A1,

Forward Citations: WO17062499, WO16153821, WO16138047, WO16089437, WO16059428, WO16040855, WO16025547, WO15195548, WO14088692, WO14088692, WO14055872, WO13152128, WO13116646, WO12109047, WO11123933, WO11123931, WO11116457, WO11058194, WO10054205, WO10054205, WO09156832, USD746674, USD715638, US9717896, US9710608, US9675519, US9626650, US9619958, US9607261, US9603550, US9600850, US9597261, US9554969, US9532472, US9511945, US9511002, US9504628, US9499328, US9498408, US9498294, US9474694, US9463412, US9463140, US9456959, US9456958, US9445969, US9444503, US9433371, US9418207, US9358500, US9358499, US9345645, US9308151, US9298887, US9296545, US9251314, US9240028, US9218458, US9179977, US9150119, US9123196, US9122783, US9117016, US9111256, US9037478, US8989895, US8985388, US8963710, US8961432, US8937544, US8930207, US8896322, US8892249, US8870813, US8816814, US8813997, US8805577, US8798789, US8757435, US8754769, US8727180, US8723640, US8708192, US8670865, US8636670, US8599009, US8544646, US8514067, US8467899, US8423181, US8411829, US8409132, US8403881, US8386275, US8376138, US8360274, US8333717, US8333716, US8319613, US8317776, US8292826, US8269613, US8215543, US8054086, US8040236, US8019471, US7933682, US7835817, US7832591, US2017096285, US2017011201, US2016247345, US2016244267, US2016128906, US2015360834, US2015347713, US2015317455, US2015305182, US2015154378, US2014340191, US2014315170, US2014297028, US2014277707, US2014263423, US2014251851, US2014114472, US2014058560, US2013304255, US2013297068, US2013222135, US2013110283, US2013054478, US2013054255, US2013054017, US2012305428, US2012187142, US2012059512, US2012006847, US2011301747, US2011282489, US2011187549, US2011119090, US2011006073, US2010332021, US2010328099, US2010326864, US2010318218, US2010211219, US2010205002, US2010200593, US2010185456, US2010183128, US2010100391, US2010100237, US2010089997, US2010060464, US2010057250, US2009281657, US2009125324, US2009057328, US2009030730, US2008283543, US2008210701, US2008169300, US2008109510, US2008063159, US2008054008, US2008030309, US2008017658, EP2968075, EP2560603, CN104203193, CN104203193,

Abstract:
Source: US2006124655A A medicine dispensing system is provided that comprises of a medicine container with an inbuilt pill dispensing assembly which automatically dispenses a prescribed dose of medicine at prescribed times. It alerts the patient when a dose of medicine has been dispensed. The alert signal is a local audio or visual alarm or a remote reminder by phone, wireless network or internet. A modem and communication ports are provided which enable the said medicine container to communicate with remote parties like health care professionals and medical devices such as glucose meter. This feature allows remote medicine management, disease management and health education. An internal microprocessor and a memory chip control and execute electronic functions of the said medicine container. Sensors are provided to detect whether a dose has been dispensed and whether it is consumed. The said medicine container is able to record, analyze and report patient's compliance with a medicine regimen.

0) US2009301927A – ORGANIZER OF EXPENDABLE SUPPLIES FOR MEDICAL PA...

34) Family number: 44113111 (US2009301927A) © PatBase

Title: ORGANIZER OF EXPENDABLE SUPPLIES FOR MEDICAL PATIENTS (OESMP)

Priority: US20080155692 20080609

Family:

Publication number	Publication date	Application number	Application date
US2009301927 AA	20091210	US20080155692	20080609
US7967137 BB	20110628	US20080155692	20080609

Probable Assignee: FULBROOK DAVID J

Assignee(s):(std)**:** FULBROOK DAVID J ; FULBROOK JASON D ; FULBROOK JIM E ; FVLBROOK JASON D

Inventor(s):(std)**:** FULBROOK DAVID J ; FULBROOK JASON D ; FULBROOK JIM E ; FVLBROOK JASON D

Agent(s): JOHN A RICHARDSON; JOHN

International class (IPC 8–9)**:** B65D1/34 B65D1/36 B65D25/00 F16B45/00 (Advanced/Invention); B65D1/34 B65D25/00 F16B45/00 (Core/Invention)

CPC: A61B90/50 A61B90/57 A61B50/33

European class: A61B19/02P6 K61B19/26 K61B19/26L

US class: 206/370 206/564 220/694 220/694S 248/304 248/304S

Classification Explorer

Cited documents: US7523900 BA, US6311841 BA, US6253399 BA, US3802555 A, US2009158973 AA, US2007034767 AA, US2006278785 AA,

Forward Citations: WO17096142, WO16113327, WO13104536, USD785345, USD754446, USD751829, USD663982, USD663981, USD661929, US9689567, US9642455, US9638410, US9532847, US9312704, US9291305, US9188325, US9083192, US9033154, US2016058511, US2015312862, US2015230867, US2015021221, US2014238982, US2013235607, US2013193282, US2013176738, US2013081966, US2012193469, US2011284772, US2011264061, DE102012000410,

Abstract:
Source: US2009301927A The invention provides a tray organizer apparatus for safely organizing routine expendable medical supplies for in hospital patients disclosing a plurality of variants in the form of a non power embodiment of a surface tray with shaped recesses for retaining medical supplies and power embodiments with 110 ac volt supply with a multiplicity of 110 volt outlet and a plurality of USB ports, Firewire port, and other devices such tiltable LED illuminated mirrors. The tray organizer is formed of injection molded plastic, folded sheet metal or other equal structures and incorporates a peripheral upstanding rim connected to a lower planar surface from which a number of recessed openings are formed with enclosed bottom surfaces to retain expendable supplies in a variety of shapes. All of the organizer tray embodiments can be attached to a portable COTS type intravenous (IV) pole assembly, attached to bed heads or foot boards, hospital bed side rails, and as free–standing non supported trays.

35) Family number: 28290889 (US2003231485A) © PatBase

Title: TUBULAR ELECTRO–LUMINESCENT PANEL(S) LIGHT DEVICE

Priority:

US20020094155	20020308	US20020094156	20020308	US20020170584	20020614
US20020286871	20021104	US20020285451	20021101	US20020286820	20021104
US20040954189	20041001	US20040902123	20040730	US20040883719	20040706
US20040883747	20040706	US20030341519	20030114	US20030667787	20030923
US20030621513	20030718	US20040883741	20040706	US20070003691	20071231
US20060566322	20061204	US20060527628	20060927	US20060527629	20060927
US20060498874	20060804	US20060498881	20060804	US20050255981	20051024
US20050184771	20050720	US20050152063	20050615	US20050094215	20050331
US20050092742	20050330	US20050092741	20050330	US20050094156	20050331
US20050094155	20050331	US20060527631	20060927	US20070572631	20070124
US20090624621	20091124	US20080318471	20081230	US20080318470	20081230
US20080318473	20081230	US20080292153	20081112	US20080232505	20080918
US20080232035	20080910	US20080149963	20080512	US20080149964	20080512
US20080073095	20080229	US20080073889	20080311	US20080007076	20080107
US20080003809	20080102	US20070806711	20070604	US20070806285	20070531
US20070806284	20070531	US20090527629	20090818	US20090545992	20090824
US20090566322	20090924	US20090527628	20090818	US20090502661	20090714
US20080292580	20081121	US20100710918	20100223	US20090622000	20091119
US20100710561	20100223	US20100711456	20100224	US20100771003	20100430
US20090527631	20090818	US20070883747	20070806	US20090546012	20090824
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Family:

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Probable Assignee: TORMACH LLC

Assignee(s):(std)**:** CHIEN TAENG LU ; CHIEN TSENG L ; CHIEN TSENG LU ; TORMACH LLC ; WALLAGE RAYMOND ROGER

Inventor(s):(std)**:** WALLAGE RAYMOND ROGER ; CHIEN TSENG LU ; CHIEN TSENG L ; CHIEN TAENG LU

Inventor(s): CHIEN TSENG

Agent(s): BACON AND THOMAS PLLC; ROBERT

International class (IPC 8–9)**:** A41D27/08 A41G1/00 A42B1/24 A43B3/00 A45C15/06 B60Q1/26 B60Q3/02 B60R11/00 B60R13/00 C10G1/00 C12M1/00 C12M1/06 C12M1/12 C12M1/34 C12M3/00 F21K2/00 F21K9/232 F21K99/00 F21L13/00 F21L14/00 F21L4/00 F21L4/02 F21L4/08 F21S10/00 F21S10/02 F21S10/06 F21S2/00 F21S4/00 F21S6/00 F21S8/00 F21S8/08 F21S9/02 F21V1/00 F21V1/10 F21V11/00 F21V13/00 F21V13/02 F21V14/00 F21V14/02 F21V14/06 F21V14/08 F21V15/01 F21V17/00 F21V17/02 F21V19/00 F21V19/02 F21V21/00 F21V21/005 F21V21/08 F21V21/092 F21V21/14 F21V21/22 F21V21/26 F21V21/30 F21V23/00 F21V23/02 F21V23/04 F21V23/06 F21V25/02 F21V29/00 F21V29/502 F21V29/70 F21V3/00 F21V3/02 F21V31/00 F21V33/00 F21V5/00 F21V5/04 F21V7/00 F21V7/04 F21V8/00 F21V9/00 F21V9/16 G01J5/00 G01S3/786 G02B27/22 G02F1/13 G02F1/1335 G02F1/13357 G03B1/00 G03B15/03 G03B19/18 G03B21/00 G03B21/14 G03B21/20 G03B23/00 G03B29/00 G03B3/00 G03H1/22 G04B19/04 G04B19/30 G04B37/12 G04B47/00 G04C10/00 G04C19/00 G04G99/00 G06F1/26 G06K9/00 G06T7/00 G06T7/20 G08B13/24 G09F13/18 G09F13/22 G09F23/00 G09F23/04 G09F9/33 G09G3/30 G09G3/32 H01L21/00 H01L21/68 H01R11/00 H01R13/66 H01R25/00 H01R27/00 H01R3/00 H01R33/00 H01R33/009 H01R39/00 H02G3/14 H02J4/00 H02J7/00 H02J7/02 H02M1/00 H04N1/21 H04N5/225 H04N5/232 H04N5/235 H04N5/247 H04N5/33 H04N5/76 H04N5/77 H04N7/18 H04N9/31 H05B33/08 H05B37/02 H05B41/30 (Advanced/Invention);
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A42B1/00 A43B3/00 A45C15/00 B60Q3/00 B60R11/00 B60R13/00 F21L4/00 F21S4/00 F21V1/00 F21V17/00 F21V21/00 F21V21/005 F21V21/08 F21V21/14 F21V23/00 F21V23/04 F21V3/00 F21V33/00 G03B21/00 G03B21/14 G09F13/22 H01R3/00 H01R33/00 H05B37/02 (Core/Invention);
B60R13/02 G02B5/32 (Core/Non–invention)

International class (IPC 1–7)**:** F21V21/00 F21V21/08 F21V9/16 G01D11/28 G02B6/04 H01J1/62 H01R11/00

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F21S6/003 H01R13/6675 F21V23/005 F21V21/092 G09F13/18 G09F2013/222 F21V15/01 F21V33/00 F21V33/0024 F21V33/0056 H01R13/6691 H01R13/713 H01R24/76 H01R25/006 H01R2103/00 F21V14/06 F21V33/004 H02J2007/0062 F21V13/02 H02J7/0045 H02J7/027 G01J5/0025 G03B21/006 G02B27/22 G03B35/24 F21V23/00 H05B33/08 F21S9/035 H02J7/00 H05B37/00 G02F1/1313 H04N5/2256 H04N5/247 F21S6/004 H02J7/0027 H02J7/02 F21Y2113/002 F21S10/002 F21V21/29 F21V29/00 Y10S362/806 F21V17/002 F21K9/23 F21Y2107/40 F21V3/023 G03B21/142 G03B21/2046 G03B23/00 F21Y2115/30 F21Y2103/37 H01R33/09 A61L9/03 A61L2209/12 F21V33/0004 F21S10/00 F21V9/00 F21V9/12 F21Y2105/00 F21Y2111/00 H05B33/0803 F21S10/06 F21V1/10 G09F9/33 G09F19/12 G03B21/001 G03B21/26 G03B23/10 F21Y2113/13 H02J7/022 F21Y2103/33 F21Y2113/10 F21S4/28 F21S10/02 G09F23/04 F21V11/08 F21V23/003 H04N9/315 G01S3/7864 A41G1/005 G02B6/0008 G02B6/001 F21V23/0471 F21V23/02 F21Y2103/10 F21Y2103/00 H04N5/23206 G04B47/02 H04N5/2252 H04N5/332 H04N5/2354 H04N5/23241 H04N5/76 F21K9/13 F21S9/02 F21Y2101/02 G06T7/004 F21V3/02 F21V17/02 F21K9/235 F21V19/006 G03B21/2053 G03B21/2033 G03B21/206 G03B21/145 G03B21/208 F21K9/60 F21V5/04 F21W2131/30 G04B19/30 B60Q3/78 F21W2131/109 F21Y2101/00 H04N5/2257 G03B29/00 F21V14/00 F21V5/00 F21V7/00 F21V11/00 H02J7/0047 H02J2007/0059 F21V29/502 F21K9/65 H04N7/181 F21S6/002 F21S10/023 F21S10/063 F21V23/0442 F21K9/232 F21K9/238 F21V14/02 F21V23/006 H02J7/0052 C12M21/12 C10G1/00 C12M23/06 C12M23/46 C12M27/02 C12M27/20 C12M41/40 G08B13/19619 G08B13/19636 G08B13/19656 G08B13/19695 C10G32/00 F21S8/035 F21S9/022 F21V9/08 F21V21/08 F21V21/14 F21V21/22 F21V21/30 F21V23/04 F21V23/0492 F21V23/06 F21V33/0052 F21W2121/00 F21Y2115/10 H04N5/33 H04N7/183 Y10S362/80 H04N5/23296 H04N5/77 H04N1/212 C12P5/00 G06K9/20

European class: A41D27/08B A41G1/00B8 A42B1/24B A43B1/00C10 A43B3/00E A43B3/00E10 A43D999/00 A45C15/06 A61L9/03 B60Q1/26 B60Q3/02Q B60R11/00 B60R13/00 F21K9/00 F21K9/135 F21S10/00 F21S10/00A F21S2/00 F21S4/00E F21S4/00L F21S4/00L6 F21S8/03G1 F21S8/03T F21S9/02 F21S9/02E F21V14/02 F21V21/08 F21V21/14 F21V23/04 F21V29/00 F21V33/00A F21V9/00 F21V9/08 F21V9/12 G02B27/22 G02B6/00L4E G02B6/00L4L G02B6/00L6O4S G03B21/00 G03B21/20 G03B35/24 G09F13/22 G09F19/12 G09F23/00 G09F9/33 H01R13/66D10 H01R25/00D H01R33/06 H01R33/09 H02G3/14 H04M1/05 H04M1/60T2B H05B33/08D K61L209/120 L60R11/00R4A15 L60R13/02R R21S10/06 R21S2/00A R21S8/03G1 R21V1/10 R21V21/22 R21V21/29 R21V21/30 R21V23/04S R21V23/04S8 R21V33/00B R21V9/08 R21W121/00 R21W131/109 R21Y101/02 R21Y103/00 R21Y103/025 R21Y105/00 R21Y111/00 S02B6/00L6I4S4 T01H9/18E T01R103/00 T01R13/66D10 T01R13/713 T01R24/76 Y02B10/30

US class: 1/1 29/595 29/825 307/31 313/498 313/511 313/512 315/155 315/160 315/250 315/287 315/314 315/317 315/32 315/86 340/472 345/77 348/142 348/143 348/151 348/159 348/169 348/207.1 348/372 348/373 348/744 348/E5.024 348/E5.026 348/E5.043 348/E5.09 348/E7.085 348/E9.025 349/5 349/62 352/133 353/10 353/101 353/103 353/119 353/122 353/43 353/62 353/7 353/85 353/87 353/95 359/15 359/32 362/101 362/103 362/104 362/108 362/109 362/135 362/145 362/149 362/157 362/158 362/183 362/184 362/190 362/20 362/219 362/221 362/225 362/23 362/23.01 362/23.19 362/231 362/233 362/234 362/235 362/238 362/241 362/249 362/249.01 362/249.02 362/249.03 362/249.06 362/249.07 362/249.09 362/249.11 362/249.12 362/250 362/251 362/253 362/257 362/259 362/267 362/269 362/276 362/277 362/280 362/281 362/285 362/294 362/295 362/296.01 362/298 362/3 362/311 362/311.01 362/311.02 362/311.03 362/311.13 362/338 362/34 362/35 362/362 362/369 362/372 362/375 362/382 362/390 362/394 362/397 362/404 362/421 362/427 362/457 362/487 362/555 362/562 362/565 362/603 362/640 362/641 362/642 362/643 362/644 362/645 362/646 362/647 362/648 362/659 362/8 362/800 362/806 362/84 362/85 362/86 362/87 362/88 362/92 362/95 362/96 362/97.1 363/178 368/10 368/223 368/227 368/242 368/278 368/67 368/80 368/82 368/84 396/155 439/11 439/131 439/165 439/31 439/490 439/502 439/536 439/6 439/638 439/8 713/300

Classification Explorer

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Abstract:
Source: US2003231485A A tubular Electro−Luminescent panel(s) light device offer a desired bending directions with super brightness basing on certain width of panel incorporated proper invertor system. The said panel(s) with much narrow width than tube means to allow the panel(s) can be bend at any direction and angle within the tube means to offer a desired light effects. The said panel(s) can be flat or twisted within the tube means which may have the desired colored, transparency, wall thickness, diameter, shape, length for requirement. The said device may incorporated with non−elastic means, magnetic means, tube holder, sensor means, Integrated circuit to add a lot of desired variety features.

0) US2006071498A – TRACKLESS CARGO BED ORGANIZER

36) Family number: 32650349 (US2006071498A) © PatBase

Title: TRACKLESS CARGO BED ORGANIZER

Priority: US20040598830P 20040805 US20050152624 20050614 US20090584922 20090915 US20050170863 20050630

Family:

Publication number	Publication date	Application number	Application date
US2006071498 AA	20060406	US20050152624	20050614
US2006210736 AA	20060921	US20050170863	20050630
US2010007046 AA	20100114	US20090584922	20090915
US7377569 BB	20080527	US20050152624	20050614
US7713372 BB	20100511	US20090584922	20090915
WO06020410 A2	20060223	WO2005US26754	20050728
WO06020410 A3	20090430	WO2005US26754	20050728
WO07005166 A2	20070111	WO2006US21511	20060603
WO07005166 A3	20070222	WO2006US21511	20060603

Probable Assignee: TAYLOR THOMAS S TAYLOR MILDRED P

Assignee(s):(std)**:** TAYLOR MILDRED P ; TAYLOR THOMAS ; TAYLOR THOMAS S ; WYCECH JOSEPH S

Assignee(s): TAYLOR THOMAS S TAYLOR MILDRED P

Inventor(s):(std)**:** TAYLOR MILDRED P ; TAYLOR THOMAS ; TAYLOR THOMAS S ; WYCECH JOSEPH S

Inventor(s): WYCECH JOSEPH

Agent(s): JOHN G CHUPA LAW OFFICES OF JOHN CHUPA AND ASSOCIATES PC; JOHN G CHUPA LAW OFFICE OF JOHN CHUPA AND ASSOCIATES PC; LAW OFFICES OF JOHN CHUPA AND ASSOCIATES PC; JOHN G

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47B23/00 B29C71/00 B31B45/00 B32B27/00 B32B37/00 B60N99/00 B60R7/00 B60R9/00 C09J5/02 D04H1/20 (Advanced/Invention); B29C71/00 B31B45/00 B32B27/00 B32B37/00 B60R7/00 B60R9/00 C09J5/02 D04H1/00 (Core/Invention)

CPC: B60N2/345 B60P3/14 Y10T428/13 B29C70/64 B29C70/58 B29K2995/0091 B29L2031/30 B29L2031/721 B60R21/04 B60R21/0428 B60R2021/0435 B60R2021/0442

European class: B29C70/58 B29C70/64 B60N2/34B B60P3/14 B60R21/04 L29K995/00F31 L29L31/30 L29L31/721 L60R21/04 L60R21/04F L60R21/04P L60R21/04R

US class: 108/44 108/44S 156/242 156/276 156/307.3 224/281 224/404 264/112 264/236 264/236P 296/26.09 296/26.090P 296/37.6 296/37.600S 428/34.1 428/34.100P

Classification Explorer

Cited documents: US7300616 BB, US7261204 BB, US7216204 BB, US7211321 BB, US7175230 BB, US6935669 BB, US6865811 BB, US6863957 BB, US6758507 BB, US6695375 BA, US6682128 BB, US6546693 BB, US6482496 BA, US6467834 BA, US6455144 BA, US6455126 BA, US6406078 BA, US6372334 BA, US6341467 BA, US6332731 BA, US6328364 BA, US6318781 BA, US6318780 BA, US6287666 BA, US6283526 BA, US6276105 BA, US6272809 BA, US6270600 BA, US6237304 BA, US6233826 BA, US6189953 BA, US6168226 BA, US6168226 B1, US6165588 A, US6149227 A, US6096403 A, US6092864 A, US6079180 A, US6068424 A, US6065792 A, US6058673 A, US6003274 A, US5996868 A, US5992923 A, US5924615 A, US5888600 A, US5887470 A, US5884960 A, US5820190 A, US5795013 A, US5755486 A, US5692794 A, US5593272 A, US5575526 A, US5308663 A, US5239934 A, US5124186 A,

US5041472 A, US4995545 A, US4978562 A, US4964514 A, US4923902 A, US4922596 A, US4909558 A, US4908930 A, US4901500 A, US4861097 A, US4853270 A, US4836516 A, US4769391 A, US4751249 A, US4737407 A, US4732806 A, US4705315 A, US4695343 A, US4674665 A, US4610836 A, US4559984 A, US4364595 A, US4305695 A, US4288011 A, US4250136 A, US4107426 A, US4079162 A, US3304219 A, US3252376 A, US3211253 A, US2852303 A, US2788137 A, US2784027 A, US2549018 A, US2006066134 AB, US2005269837 AA, US2005200062 AA, US2005161982 AA, US2005127699 AA, US2005040679 AA, US2004266899 AA, US2004221953 AA, US2004178662 AA, US2004040245 AA, US2003211329 AA, US2003197400 AA, US2003176128 AA, US2003107145 AA, US2003011207 AA, US2002185769 AA, US2001042987 AA,

Forward Citations: US8534736, US8256818, US8033435, US7967356, US7290820, US2016167221, US2015047536, US2014305977, US2011271878, US2010217551, US2010019010, US2009314187, US2009309380, US2009284036, US2009181192, US2008309059, US2008185870, US2008099520, US2008083352, US2007257501, US2007209556,

Abstract:
Source: US2006071498A A cargo bed organizer 10 which obviates the need for a track to be "mounted" and/or installed and/or otherwise formed in the cargo bed 350 of a selectively movable assembly 500, and which is selectively and removably received into the cargo bed 350 of a selectively movable assembly 500, and which has at least one stopping member portion 48.

0) US2002076756A – 28 HUMAN SECRETED PROTEINS

37) Family number: 31768251 (US2002076756A) © PatBase

Title: 28 HUMAN SECRETED PROTEINS

Priority: EP19980911597 19980312 US19970040710 19970314 US19970040710P 19970314 US19970040762P 19970314 US19970050934P 19970530 US19970048100P 19970530 US19970048357P 19970530 US19970048189P 19970530 US19970048970P 19970606 US20070744695 20070504 US20010853161 20010511 US20010265583P 20010202 US19980152060 19980911 US19970057765P 19970905 US19970068368P 19971219 US20010852797 20010511 US20010852659 20010511 US20040951993 20040929 US20020058993 20020130 WO1998US04858 19980312 WO1998US04868 19980312

Family:

Publication number	Publication date	Application number	Application date
AU199865521 A1	19980929	AU19980065521	19980312
CA2283678 AA	19990914	CA19982283678	19980312
EP0973892 A2	20000126	EP19980911597	19980312
EP1333092 A2	20030806	EP20030006709	19980312
EP1333092 A3	20031210	EP20030006709	19980312
JP2001524814 T2	20011204	JP19980539800T	19980312
US2002076756 AA	20020620	US20010853161	20010511
US2002077287 AA	20020620	US20010852659	20010511
US2002172994 AA	20021121	US20010852797	20010511
US2003225009 AA	20031204	US20020058993	20020130
US2005208621 AA	20050922	US20040951993	20040929
US2007203070 AA	20070830	US20070744695	20070504
US6448230 BA	20020910	US19980152060	19980911
US6878806 BB	20050412	US20010852797	20010511
US6919433 BB	20050719	US20010853161	20010511
US6951924 BB	20051004	US20020058993	20020130
US7781176 BB	20100824	US20070744695	20070504
WO9840483 A2	19980917	WO1998US04858	19980312
WO9840483 A3	19981119	WO1998US04858	19980312

Probable Assignee: HUMAN GENOME SCIENCES INC

Assignee(s):(std)**:** FERRIE ANN M ; FISCHER CARRIE L ; GENTZ REINER L ; HUMAN GENOME SCIENCES INC ; LI YI ; KYAW HLA ; LI HAODONG ; GREENE JOHN M ; HASTINGS GREGG A ; RUBEN STEVEN M ; ROSEN CRAIG A ; ZENG ZHIZHEN ; SOPPET DANIEL R ; MOORE PAUL A ; YOUNG PAUL E ; WEI YING FEI

Assignee(s): HUMAN GENOME SCIENCE INC

Inventor(s):(std)**:** CARRIE L FISCHER ; CRAIG A ROSEN ; DANIEL R SOPPET ; FERRIE ANN M ; FISCHER CARRIE L ; FISHCHER CARRIE L ; GENTZ REINER L ; GREENE JOHN M ; HAODONG LI ; HASTINGS GREGG A ; HLA KYAW ; JOHN M GREENE ; KYAW HLA ; LI HAODONG ; LI YI ; MOORE PAUL A ; PAUL A MOORE ; PAUL E YOUNG ; REINER L GENTZ ; ROSEN CRAIG A ; RUBEN STEVEN ; RUBEN STEVEN M ; SOPPET DANIEL R ; STEVEN M RUBEN ; ANN M FERRIE ; WEI YING FEI ; YI LI ; YING FEI WEI ; YOUNG PAUL E ; ZENG ZHI ZHEN ; ZENG ZHIZHEN ; ZHI ZHEN ZENG

Inventor(s): YOUNG PAUL ; SOPPET DANIEL ; ROSEN CRAIG ; MOORE PAUL ; HASTINGS GREGG ; GREENE JOHN ; GENTZ REINER ; FISHCHER CARRIE ; FERRIE ANN

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP; HUMAN GENOME SCIENCES INC INTELLECTUAL PROPERTY DEPT; HUMAN GENOME SCIENCES INC

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

International class (IPC 8–9): A61K31/70 A61K38/00 A61K38/17 A61K48/00 A61P31/00 A61P35/00 A61P37/02 C07H21/04 C07K14/47 C07K16/00 C07K16/18 C07K19/00 C07K4/00 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/11 C12N15/12 C12N15/62 C12N5/00 C12N5/08 C12N5/10 C12N5/20 C12P21/02 C12Q1/00 C12Q1/48 C12Q1/68 G01N33/53 G01N33/60 G01N33/68 (Advanced/Invention); A61K38/00 A61K48/00 A61P31/00 A61P35/00 C07K16/18 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/10 C12P21/02 C12Q1/68 (Advanced/Non–invention); C07K14/435 (Core/Invention); A61K38/00 (Core/Non–invention)

International class (IPC 1–7): A61K31/70 A61K38/00 A61K38/17 A61K48/00 A61P31/00 A61P35/00 A61P37/02 C07H21/04 C07K1/00 C07K14/435 C07K14/47 C07K16/00 C07K16/18 C07K19/00 C07K5/00 C07K7/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/11 C12N15/12 C12N15/62 C12N15/85 C12N5/06 C12N5/10 C12N5/16 C12N9/00 C12N9/64 C12P21/02 C12Q1/48 C12Q1/68 G01N33/53 G01N33/60 G01N33/68

CPC: A61K38/00 A61K48/00 A61K2039/53 C07K14/47 C07K14/4702 C07K14/4718 C07K2319/00 C07K2319/02 C12N2799/026

European class: C07K14/47 C07K14/47A1 C07K14/47A9 K61K38/00 K61K39/53 K61K48/00 M07K203/00 M07K203/02 M07K205/00 M07K205/02 M07K207/00 M07K213/02 M07K215/00 M07K319/00 M07K319/02 M12N799/02A66

US class: 424/185.1 424/193.1 424/194.1 424/234.1 435/183 435/183S 435/226 435/226S 435/243 435/243S 435/320.1 435/320.100S 435/325 435/325S 435/326 435/328 435/331 435/332 435/366 435/366S 435/4 435/455 435/455S 435/4S 435/6 435/6.14 435/6.140S 435/69.1 435/69.100P 435/69.100S 435/691 435/6S 435/7.1 435/71 436/501 436/501S 514/1.4 514/1.400S 514/11.4 514/11.400S 514/12 514/14.1 514/14.100S 514/16.6 514/16.600S 514/18.7 514/18.700S 514/19.6 514/19.600S 514/2 514/21 514/21.2 514/3.8 514/3.800S 514/44 514/44.00R 514/44.00RP 514/44R 514/5.9 514/5.900S 514/7.5 514/7.7 514/7.700S 530/300 530/305 530/324 530/324S 530/35 530/350 530/350S 530/387.1 530/387.100S 530/387.3 530/387.9 530/388.1 530/389.1 530/391.3 536/23.1 536/23.100P 536/23.2 536/23.200S 536/23.5 536/23.500S

Classification Explorer

Cited documents: WO9927098 A2, WO9914241 A2, WO9906549 A2, WO9855612 A1, WO9840483 A2, WO9707198 A2, WO9104328 A1, WO0136979 A2, WO0015797 A2, WO0009709 A2, US7411051 BB, US7368531 BB, US6951924 BB, US6919433 BB, US6878806 BB, US6448230 BA, US6294648 BA, US6008194 A, US5985606 A, US5536637 A, US5434158 A, US5350836 A, US5194596 A, US5011912 A, US4923813 A, US2007224663 AA, EP1033401 A2, EP0892053 A2, EP0679716 A1,

Forward Citations: WO9915656, WO9915656, WO9914241, WO9914241, WO9904265, WO9904265, WO10053716, WO09026529, WO06075991, WO05117556, WO05117556, WO05003161, WO05003161, WO04038405, WO04038405, WO03057730, WO0142465, WO0142465, WO0134796, WO0131004, WO0075375, WO0036118, WO0036118, WO0024755, WO0015797, WO0015797, US9470690, US9234024, US8088386, US8007798, US8003407, US8003375, US7855058, US7842784, US7781176, US7658923, US7566559, US7514079, US7482324, US7459291, US7335737, US7303889, US7282565, US7273726, US7250256, US7211400, US7198917, US7129338, US7115713, US7056685, US7018810, US6995251, US6919433, US6838554, US6686147, US6579715, US6448230, US6410708, US2014377183, US2013315885, US2010144550, US2010099112, US2009264301, US2007207497, US2007207143, US2007203070, US2005148008, US2005123990, US2004229286, US2004224006, US2004047880, US2003124649, US2003068624, US2003054463, US2002182671, JP2010233572, EP3009455, EP2292761, EP2230306, EP1659131, EP1481990, EP1181390, EP1177214, EP1173461, EP1173461, EP1171626, EP1171456, EP1159287, EP1159287, EP1159284, EP1159284, EP1141331, EP1067182, EP0892053, EP0892053, CN103163301, AU781882,

Abstract:
Source: US2002076756A The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

38) Family number: 15253245 (WO0075886A1) © PatBase

Title: SYSTEMS AND METHODS FOR REQUESTING AND DISPENSING NEGOTIABLE INSTRUMENTS

Priority: US19990137760P 19990604 WO2000US15260 20000602

Family:

Publication number	Publication date	Application number	Application date
AU200053176 A5	20001228	AU20000053176	20000602
WO0075886 A1	20001214	WO2000US15260	20000602

Probable Assignee: KURLANDER GLENN

Assignee(s):(std): KURLANDER GLENN ; NOVOGROD JOHN C

Assignee(s): GLENN KURLANDER ; JOHN C NOVOGROD

Inventor(s):(std): KURLANDER GLENN ; NOVOGROD JOHN C

Inventor(s): GLENN KURLANDER ; JOHN C NOVOGROD

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): G06Q20/00 G07F7/10 (Advanced/Invention)

International class (IPC 1–7): G07F7/10

CPC: G06Q20/04 G06Q20/10 G06Q20/32 G06Q20/3223 G06Q20/3827

European class: G06Q20/04 G06Q20/10 G06Q20/32 G06Q20/3223 G06Q20/3827 G07F19/00B

Classification Explorer

Cited documents: WO9918549 A2, WO9632700 A1, EP0831438 A2, EP0785534 A1, EP0438930 A1,

Abstract:
The present invention provides a system and method for requesting and dispensing negotiable instruments such as bank checks, money orders, and traveller's checks. An instrument may be requested in this system and method by a bank customer from a telephone, a computer, a fixed–location dispenser, or a portable, hand–held dispenser that is in communication with a bank computer. This request may be made orally, using touch tones, or using data transmission over a communication network that may include telephone lines, two–way radio links, microwave links, satellite links, cellular telephone links, computer networks, and the Internet. After a request is processed and approved, the requested instrument may then be dispensed at any time in this system and method to the bank customer or another party from any receive–only dispenser, fixed–location dispenser, or portable, hand–held dispenser that is also in communication with the bank computer.

0) US2014070957A – WEARABLE COMMUNICATION PLATFORM

39) Family number: 55978199 (US2014070957A) © PatBase

Title: WEARABLE COMMUNICATION PLATFORM

Priority: US20120699440P 20120911 US20130023830 20130911 US20130862936P 20130806 US20140058519P 20141001 US20140080966P 20141117 US20140097560P 20141229 US20140331185 20140714 US20140950782P 20140310 US20140331142 20140714 US20150612060 20150202 WO2013EP68841 20130911 US20150644180 20150310 US20150194731P 20150720 US20150324152 20150714 WO2015US19797 20150310 WO2015IB02074 20151001 WO2015IB01802 20150714

Family:

Publication number	Publication date	Application number	Application date
CA2941872 AA	20160907	CA20152941872	20150310
CA2965884 AA	20170426	CA20152965884	20151001
CN104768455 A	20150708	CN201380058593	20130911
CN106413547 A	20170215	CN201580024626	20150310
EP2895050 A1	20150722	EP20130759543	20130911
EP3116395 A1	20170118	EP20150761745	20150310
EP3200680 A1	20170809	EP20150813092	20151001
JP2017512542 T2	20170525	JP20160557070T	20150310
KR20170009823 A	20170125	KR20167028141	20150310
US2014070957 AA	20140313	US20130023830	20130911
US2014318699 AA	20141030	US20140331185	20140714
US2015040282 AA	20150212	US20140331142	20140714
US2015143601 AA	20150528	US20150612060	20150202
US2015250420 AA	20150910	US20150644180	20150310
US2017196513 AA	20170713	US20150324152	20150714
US8945328 BB	20150203	US20140331185	20140714
US8948839 BA	20150203	US20140331142	20140714
US9282893 BB	20160315	US20130023830	20130911
WO14041032 A1	20140320	WO2013EP68841	20130911
WO15138515 A1	20150917	WO2015US19797	20150310
WO16009277 A1	20160121	WO2015IB01802	20150714
WO16051268 A1	20160407	WO2015IB02074	20151001
WO17013493 A1	20170126	WO2016IB01146	20160720

Probable Assignee: L I F E CORP S A

Assignee(s):(std)**:** ALIVERTI ANDREA ; L I F E CORP S A ; LONGINOTTI BUITONI GIANLUIGI

Assignee(s): LIFE CORP SA

Inventor(s):(std)**:** ALIVERTI ANDREA ; ANDREA ALIVERTI ; LONGINOTTI BUITONI GIANLUIGI ; PALLAI FABRIZIO

Agent(s): FETHERSTONHAUGH AND CO; OFFICE FREYLINGER; PRICE NIGEL JOHN KING; J A KEMP; SHAY GLENN LLP; KIHN PIERRE ET AL; SHOOP RICHARD D

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A41D1/00 A41D13/00 A41D13/12 A41D27/00 A41H43/04 A61B5/00 A61B5/0205 A61B5/024 A61B5/04 A61B5/0408 A61B5/0478 A61B5/0492 A61B5/08 A61B5/11 A61B5/113 A61B5/16 A63B71/06 B29C65/52 B29C65/54 B32B3/08 B32B37/26 B32B38/14 B44C1/17 D03D1/00 D06N3/00 D06N3/04 G01L1/22 H05K1/02 H05K1/03

H05K1/09 H05K3/32 (Advanced/Invention);
A61B5/0408 A61B5/113 C09D11/52 H05K3/00 (Advanced/Non–invention)

CPC: A61B2562/12 A61B5/04 A61B5/6805 A61B5/6806 A61B5/6807 A61B5/7405 A61B5/742 G01L1/22 Y10T29/49117 A61B5/0024 A61B5/02438 A61B5/0295 A61B5/0478 A61B5/0488 A61B5/0531 A61B5/0533 A61B5/0537 A61B5/1103 A61B5/1116 A61B5/1118 A61B5/1124 A61B5/14552 A61B5/164 A61B5/165 A61B5/168 A61B5/18 A61B5/4023 A61B5/4809 A61B5/4812 A61B5/4815 A61B5/486 A61B5/4872 A61B5/74 A61B5/7455 A61B5/747 A61B2503/10 A61B2503/22 A61B2560/0242 A61B2562/0209 A61B2562/0261 G06F2203/011 G10L25/63 A41D13/1236 A41D13/1281 A61B5/02055 A61B5/04085 A61B5/1135 A61B5/6802 D03D1/0088 H04R2201/023 H05K3/321 A61B5/0816 G08B21/0453 A61B5/7475 A61B2560/04 H05K1/038 G06F1/163 C09D11/52 G06F3/011 A61B5/0002 A61B5/0022 A61B5/6804 A61B2560/0468 A61B2562/0214 A61B2562/06 A61B2562/125 H05K1/0283 A41D1/002 A41D27/00 A41H43/04 A41D1/005 A61B2562/222 A61B5/0205 H05K2201/09263 H05K1/095 H05K1/16 H05K2201/0281 H05K2201/10151 H04L51/32 D06M11/74 D06M11/83 D06M15/263 D06M15/564 D06M23/08 D06M23/16 D06P1/44 D06P1/5257 D06P1/5285 D06P5/08 D06N3/0063 D06N3/042 H05K1/092 D06N2209/041 D06N2211/10 D10B2401/16 D10B2501/00 H05K2201/0323

US class: 1/1 156/234 156/238 156/239 156/240 156/247 156/277 156/289 2/69 29/825 340/870.01 427/97.3 600/301 600/372 600/382 600/384 600/388 600/393 600/509 600/534 73/862.474

Classification Explorer

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Forward Citations: WO17121435, WO17121434, WO17105696, WO17099911, WO17089986, WO17088068, WO17086073, WO17084608, WO17076391, WO17072582, WO17070326, WO17040589, WO17037642, WO17037250, WO17033058, WO17017681, WO17013493, WO17009879, WO16196304, WO16172416, WO16150279, WO16149751, WO16148770, WO16142308, WO16139598, WO16133276, WO16131936, WO16128778, WO16128776, WO16105999, WO16086171, WO16080890, WO16079139, WO16073802, WO16051268, WO16040938, WO16023027, WO16009277, WO15170011, WO15148015, WO14125476, USD726138, US9721553, US9710060, US9696833, US9687404, US9679546, US9678576, US9652101, US9648419, US9636521, US9613516, US9600994, US9598799, US9582072, US9582035, US9566033, US9563984, US9546921, US9497597, US9467207, US9462978, US9456307, US9433254, US9416470, US9403027, US9364151, US9329993, US9320433, US9288263, US9286789, US9282893, US9278510, US9155903, US9098991, US9026927, US8948839, US8945328, US8892220, US2017185183, US2017181255, US2017164461, US2017156035, US2017106277, US2017064423, US2017059418, US2017055055, US2016335871, US2016327979, US2016310064, US2016301482, US2016282988, US2016275775, US2016271882, US2016259425, US2016174620, US2016155310, US2016147304, US2016136446, US2016100244, US2016070347, US2016063890, US2016027338, US2015379880, US2015370320, US2015364018, US2015360043, US2015332659, US2015331524, US2015331522, US2015331512, US2015289034, US2015287247, US2015279185, US2015279178, US2015272264, US2015268726, US2015254992, US2015234367, US2015200318, US2015193130, US2015145671, US2015143601, US2015092972, US2015087995, US2015071293, US2015069847, US2015038864, US2014368427, US2014357316, US2014278125, US2014207216, US2014176335, US2014174645, US2014111414, US2014085081, US2014051943, US2012078393, US2011282164, TWI572215, TWI556792, TWI546055, RU2598462, KR101675691, FR3038210, FR3033242, FR3033233, FR3024308, ES2607217, ES2604207, EP3195799, EP3057384, EP3033988, DE102014013862, CN106360819, CN105901808, CN105795534, CN105608837, CN105256502, CN105232018, CN104887207, CN104811836, CN104732682, CN104720821, CN104720787, CN104027107,

Abstract:
Source: US2014070957A An wearable communications garment that includes one or more user−selectable inputs integrated into the garment. A sartorial communications apparatus may include a flexible material that is worn (e.g., as an undergarment) by the user and includes one or more interactive sensors that may be manually activated by a user, even through one or more intervening layers of clothing. The apparatus may also include one or more additional body sensors configured to sense a user's position, movement, and/or physiological status. The sensor(s) may be connected via a conductive trace on the garment to a sensor module for analysis and/or transmission. Methods of manufacturing the garments as well as methods of using the garments are also described.

40) Family number: 29214456 (US2003194754A) © PatBase

Title: METHOD FOR THE DIAGNOSIS AND PROGNOSIS OF MALIGNANT DISEASES

Priority: EP20040785392 20041008 JP20030583205 20030408 US20080041969 20080304 US20030683480 20031009 US20020118854 20020408 JP20110127396 20030408 WO2004US33174 20041008 US20110116319 20110526 WO2003US10745 20030408 US20130059211 20131021

Family:

Publication number	Publication date	Application number	Application date
AT398138 E	20080715	AT20030728350T	20030408
AU2003234694 AA	20031027	AU20030234694	20030408
AU2003234694 BB	20080515	AU20030234694	20030408
AU2003234694 BH	20081023	AU20030234694	20030408
AU2004279837 AA	20050421	AU20040279837	20041008
AU2004279837 BB	20100401	AU20040279837	20041008
CA2490724 AA	20040928	CA20032490724	20030408
CA2490724 C	20101221	CA20032490724	20030408
CA2546730 AA	20060519	CA20042546730	20041008
CA2546730 C	20170321	CA20042546730	20041008
DE602004044695 D1	20140508	DE200460044695T	20041008
DE60321552 D1	20080724	DE20036021552	20030408
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EP1492440 A4	20050824	EP20030728350	20030408
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EP1492440 B8	20080716	EP20030728350	20030408
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EP1687337 B1	20140326	EP20040785392	20041008
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JP2005526968 T2	20050908	JP20030583205T	20030408
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JP2011246467 A2	20111208	JP20110127396	20110607
JP2013100295 A2	20130523	JP20120266961	20121206
JP4841109 B2	20111221	JP20030583205	20030408
JP5712198 B2	20150507	JP20120266961	20121206
US2003194754 AA	20031016	US20020118854	20020408
US2005053607 AA	20050310	US20030683480	20031009
US2009017009 AA	20090115	US20080041969	20080304
US2012014942 AA	20120119	US20110116319	20110526
US2014220013 AA	20140807	US20130059211	20131021
US7357928 BB	20080415	US20030683480	20031009
US7541150 BB	20090602	US20020118854	20020408
US8029784 BB	20111004	US20080041969	20080304
US8586717 BB	20131119	US20110116319	20110526
WO03086174 A2	20031023	WO2003US10745	20030408
WO03086174 A3	20040923	WO2003US10745	20030408
WO05035579 A1	20050421	WO2004US33174	20041008

Probable Assignee: UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION

Assignee(s):(std)**:** BATES PAULA J ; LOUISVILLE RESEARCH FOUNDATION INC UNIV ; TRENT JOHN O ; UNIV LOUISVILLE RES FOUND ; UNIV LOUISVILLE RES FOUNDATION ; UNIV OF LOUISVILLE RES FOUNDATION INC ; TRENT JOHN Q ; MILLER DONALD M ; UNIV OF LOUISVILLE RES FOUND INC ; XU XIAOHUA ; UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION INC

Assignee(s): UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION ; NATIONAL INST ; NATIONAL INSTITUTES OF HEALTH ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; OF LOUISVILLE RESEARCH FOUNDATION INC LOUISVILLE UNIV ; OF LOUISVILLE RESEARCH FOUNDATION UNIV ; UNIVERSITY OF LOUISVILLE ; UNIV OF LOUISVILLE RESEARCH FOUNDATION INC ; OF LOUISVILLE UNIV ; OF LOUISVILLE RESEARCH FOUNDATION INC UNIV ; LOUISVILLE UNIV ; LOUISVILLE UNIV OF

Inventor(s):(std)**:** DONALD M MILLER ; JOHN O TRENT ; MILLER DONALD ; BATES PAULA ; PAULA J BATES ; TRENT JOHN ; TRENT JOHN Q ; XIAOHUA XU ; ZU XIAOHUA ; XU XIAOHUA ; TRENT JOHN O ; MILLER DONALD M ; BATES PAULA J

Inventor(s): XIAOHUA ZU ; XU XIAOHUA BALTIMORE ; TRENT JOHN O LOUISVILLE ; BATES PAULA J LOUISVILLE ; MILLER DONALD M LOUISVILLE

Agent(s): GRIFFITH HACK; BARRIGAR INTELLECTUAL PROPERTY LAW; PATENTANWALTSKANZLEI MEYER; MACLEAN MARTIN ROBERT ET AL; COLE WILLIAM GWYN; LAZCANO JESUS; EVAN LAW GROUP LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A01N61/00 A61B1/00 A61K31/28 A61K31/282 A61K31/437 A61K31/4375 A61K31/513 A61K31/519 A61K31/56 A61K31/573 A61K31/675 A61K31/7028 A61K31/704 A61K31/7088 A61K31/71 A61K31/7105 A61K31/713 A61K33/24 A61K38/00 A61K39/39 A61K39/395 A61K45/00 A61K45/06 A61K48/00 A61K51/00 A61N5/10 A61P35/00 C07K14/47 C07K16/00 C07K16/18 C12N15/113 C12Q1/02 C12Q1/68 C12Q1/70 G01N33/48 G01N33/50 G01N33/53 G01N33/57 G01N33/574 (Advanced/Invention); A61K38/00 C07K16/18 C07K16/44 C12N15/09 (Advanced/Non–invention); A61K31/71 A61K39/39 C07K14/43 C07K14/435 C12Q1/02 C12Q1/68 G01N33/50 G01N33/53 G01N33/57 G01N33/574 (Core/Invention)

International class (IPC 1–7): A61B A61B1/00 A61K31/713 A61K33/24 A61K39/395 A61P35/00 C07K16/00 C07K16/18 C12N15/11 C12Q1/02 C12Q1/68 C12Q1/70 G01N33/48 G01N33/53 G01N33/574

CPC: C07K16/18 A61K45/06 A61K39/39558 A61N5/10 A61K38/00 C07K14/47 C12N15/113 C12Q1/6886 G01N33/5005 G01N33/57492

European class: C07K14/47 C12N15/113 C12Q1/68M6B G01N33/50D G01N33/574V4 K61K38/00 M07K213/02 M07K213/06 M07K215/00

US class: 424/1.11 424/11.1 424/130.1 424/130.100P 424/133.1 424/133.100P 424/134.1 424/142.1 424/142.100S 424/152.1 424/152.100S 424/155.1 424/155.100P 424/156.1 424/172.1 424/172.100S 424/174.1 424/178.1 424/178.100S 424/649 424/649S 435/6 435/6.11 435/6.110S 435/7.1 435/7.23 435/7.230P 514/1 514/109 514/109S 514/183 514/183S 514/251 514/251S 514/262.1 514/262.100S 514/27 514/274 514/274S 514/27S 514/283 514/283S 514/285 514/285S 514/34 514/34S 514/44 514/44.00RS 514/44R 514/492 514/492S 514/90 514/90S 530/391.3 530/391.7 600/1 600/1S

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Forward Citations: WO16179394, WO14187856, WO12167173, WO11120015, WO11120015, WO11109677, WO11109677, WO10017443, WO10017443, WO09098464, WO09098464, WO09088837, WO09088837, WO07125210, WO07125210, WO06119706, WO05035579, US9658231, US9499860, US9487559, US9452219, US9376483, US9320810, US9267133, US9260517, US9254309, US9243030, US9056886, US8923598, US8737715, US8697608, US8680019, US8648051, US8617547, US8598112, US8586717, US8497349, US8481529, US8470966, US8114850, US8048983, US8029784, US7960540, US7831293, US7544767, US7541150, US7357928, US2017051005, US2014193062, US2013164760, US2013023479, US2012315642, US2012202981, US2012177280, US2011237461, US2011237457, US2011178161, US2011124527, US2011070652, US2010152063, US2010009382, US2009326047, US2009226914, US2009191224, US2009176654, US2009131351, US2009098633, US2009017009, US2008318890, US2008318889, US2008318888, US2008318887, US2007117170, US2006258933, US2006258605, US2006073534, US2005089933, US2005053607, US2004132049, US2003194754, JP5758962, JP5502652, JP4866724, JP4866724, JP4742142, JP2016116536, JP2014032203, JP2013511260, JP2011013225, JP2009534451, JP2008541066, JP2005121795, FR2900341, EP3037435, EP3011974, EP2501800, EP2501800, EP2033655, EP1912066, EP1767942, CN101782573, AU2010241351, AU2006246197,

Abstract:
Source: US2003194754A Methods for the diagnosis of cancer by determining the neoplastic status of a cell by probing the cell plasma membrane for the presence of nucleolin are provided, as are kits to carry out such tests.

0) US2012298676A – CONTAINERS,ETC WITH OR WITHOUT MULTI–PRODUCTS A...

41) Family number: 52413468 (US2012298676A) © PatBase

Title: CONTAINERS,ETC WITH OR WITHOUT MULTI–PRODUCTS AND/OR MULTI–PD'S ARE NOT

Priority: US20110457636P 20110503 US20120462706 20120502

Family:

Publication number	Publication date	Application number	Application date
US2012298676 AA	20121129	US20120462706	20120502

Probable Assignee: COOKS KRISTOFFER

Assignee(s):(std)**:** COOKS KRISTOFFER

Inventor(s):(std)**:** COOKS KRISTOFFER

International class(IPC 8–9)**:** B23P17/00 B65D25/04 (Advanced/Invention)

CPC: B65D1/04 B65D51/28 B65D81/3216 B65D47/06 Y10T29/49

US class: 220/500 220/592.21 29/592

Classification Explorer

Cited documents: US5351851 A, US4899904 A, US3732999 A, US2012091156 AA, US2009071969 AA, US2005082295 AA, US2003213707 AA,

Forward Citations: WO17035131, WO14185800, USD761612, US9302751, US9296516, US8963720, US8522973, US2016360917, US2012318689, US2012132552, EP3118133,

Abstract:
Source: US2012298676A Pocket department (PD) etc in etc: sports container beverage and food containers etc products etc. Which said PD etc can also cool and heat etc holds etc products etc like power bars etc from melting etc and can combine drinks etc and food etc. Furthermore invention shows also backward and forward products etc and MULTI PDS and MULTI PRODUCTS etc or not and shows with or without products etc and shows companies and customers rights etc and define display PD etc as PD and can be in any product etc not just food and drinks containers and PD etc can be also place in the housing casing the body of any products etc and product etc can be within product etc and invention shows same contents etc. Invention for plants pets humans etc and use each others PDS products materials parts etc.

0) US6434314B – FORCE EQUALIZING FILAMENT CLAMP

42) Family number: 23546595 (US6434314B) © PatBase

Title: Force equalizing filament clamp

Priority: US20010804757 20010313 WO2001US20271 20010626

Family:

Publication number	Publication date	Application number	Application date
AU2001276835 AA	20020924	AU20010276835	20010626
CN1535390 A	20041006	CN20018023037	20010626
US6434314 BA	20020813	US20010804757	20010313
WO02073283 A2	20020919	WO2001US20271	20010626
WO02073283 A3	20030821	WO2001US20271	20010626

Probable Assignee: PROXIMION FIBER SYSTEMS AB

Assignee(s):(std): 3M INNOVATIVE PROPERTIES CO

Assignee(s): 3M INNOVATIVE PROPERTIES COMPANY ; PROXIMION FIBER SYSTEMS AB

Inventor(s):(std): GATICA A W ; GATICA ANTHONY W ; GATICA ANTHONY WILLIAM ; LEBLANC S P ; LEBLANC STEPHAN P ; LEBLANC STEPHEN PAUL ; PEPIN R P ; PEPIN RONALD P ; PEPIN RONALD PHILLIP

Inventor(s): RP PEPIN ; SP LEBLANC ; STEPHAN P LEBLANC ; S P LEBLANC ; RONALD P PEPIN ; R P PEPIN ; ANTHONY W GATICA ; A W GATICA ; AW GATICA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): G02B6/245 G02B6/36 G02B6/38 (Advanced/Invention); G02B6/245 G02B6/36 G02B6/38 (Core/Invention)

International class (IPC 1–7): G02B6/00 G02B6/16 G02B6/36 G02B6/46

CPC: G02B6/02123 G02B6/245 G02B6/2558 G02B6/3616 G02B6/3636

European class: G02B6/16A S02B6/36M2G

US class: 385/136

Classification Explorer

Cited documents: US6298192 BA, US6240235 BA, US6123801 A, US6088503 A, US6069988 A, US6027062 A, US5988556 A, US5939136 A, US5684910 A, US5528724 A, US5513294 A, US5513293 A, US5481638 A, US5451294 A, US5340371 A, US5269206 A, US5114066 A, US5022735 A, US4976596 A, US4865411 A, US4662307 A, US4653681 A, US4630406 A, US4623156 A, US4511095 A, US4434554 A, US4410561 A, US4045121 A, JP7084141, JP61040846 A2, JP60122754 A2, JP2000241652, JP11052164,

Forward Citations: WO17029616, WO02103403, WO02103403, US7878717, US7326855, US7258560, US6993238, US6941052, US6901201, US6795632, US6764230, US6731852, US6711338, US6666984, US6532327, US2009190885, US2006035525, US2005175293, US2004120643, US2004062480, US2003192174, US2003185538, US2003161607, US2002168167, CN105044541, CN102162721,

Abstract:
Source: US6434314B A filament holding fixture having a closed position for applying substantially equal pressure to a plurality of points around the circumference of a filament. The holding fixture comprises a first jaw having a planar surface and an open−ended channel formed in the first jaw opening to the planar surface, and a second jaw having a structured surface including an open−ended groove of substantially rectangular cross section. Both the channel and the groove are sized for even application of pressure to a filament placed between them when there is axial alignment of the channel with the groove. An angular compensator may be included to facilitate positioning of the groove for even application of pressure to a filament when the planar surface lies adjacent to the structured surface, and the filament holding fixture is in the closed position.

0) US2015329497A – SMALL MOLECULE AGONISTS OF NEUROTENSIN RECEPTOR...

43) Family number: 56779042 (US2015329497A) © PatBase

Title: SMALL MOLECULE AGONISTS OF NEUROTENSIN RECEPTOR 1

Priority: US20120740362P 20121220 US20130652705 20131219 WO2013US76735 20131219

Family:

Publication number	Publication date	Application number	Application date
CA2895129 AA	20150612	CA20132895129	20131219
EP2938608 A1	20151104	EP20130866318	20131219
EP2938608 A4	20160706	EP20130866318	20131219
JP2016507501 T2	20160310	JP20150549744T	20131219
US2015329497 AA	20151119	US20130652705	20131219
WO14100501 A1	20140626	WO2013US76735	20131219

Probable Assignee: DUKE UNIV

Assignee(s):(std)**:** SANFORD BURNHAM MED RES INST ; UNIV DUKE

Assignee(s): PEDDIBHOTLA SATYAMAHESHWAR ; HERSHBERGER PAUL ; PINKERTON ANTHONY ; MALONEY PATRICK ; BARAK LAWRENCE ; CARON MARC ; DUKE UNIV ; HEDRICK MICHAEL ; SANFORD BURNHAM MEDICAL RESEARCH INST

Inventor(s):(std)**:** BARAK LAWRENCE ; CARON MARC ; HEDRICK MICHAEL ; HERSHBERGER PAUL ; MALONEY PATRICK ; PEDDIBHOTLA SATYAMAHESHWAR ; PINKERTON ANTHONY

Agent(s): GOWLING LAFLEUR HENDERSON LLP; WILLIAMS RICHARD ANDREW NORMAN; POULOS SABRINA

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/496 A61K31/506 A61K31/517 A61K31/519 A61K31/5377 A61K31/551 A61K45/00 A61P25/00 A61P25/04 A61P25/16 A61P25/18 A61P25/30 A61P9/10 C07D215/46 C07D217/22 C07D239/94 C07D401/04 C07D401/14 C07D403/04 C07D403/12 C07D405/04 C07D471/04 (Advanced/Invention)

CPC: A61K45/06 A61K31/506 A61K9/0019 A61K9/4866 A61K47/26 A61K47/38 C07D215/42 C07D217/22 C07D401/12 C07D401/14 C07D403/12 A61K31/517 A61K31/519 C07D239/94 A61K31/5377 C07D401/04 C07D403/04 C07D405/04 C07D471/04

US class: 514/210.21 514/218 514/234.5 514/252.11 514/252.17 514/264.11 514/266.21 514/266.22 514/266.23 540/575 544/119 544/279 544/284 544/293

Classification Explorer

Cited documents: WO07071055 A1, WO06007864 A1, WO0224667 A1, US5866562 A, US2009259044 AA, US2009163545 AA, US2006217377 AA, US2005096327 AA, JP58172379 A2, EP0638567 A1, CN102786483 A,

Forward Citations: WO17102677, WO15200534, US9707191, US9700553, US9700528, US9486450, US9474731, US9457025, US9457023, US9421176, US9408815, US9402844, US9402843, US9375429, US9370513, US9314462, US9278095, US9238032, US9205083, US9198905, US9168234,

Abstract:
Source: US2015329497A Provided herein are small molecule neurotensin receptor agonists, compositions comprising the compounds, and methods of using the compounds and compositions comprising the compounds.

44) Family number: 61255369 (WO15200534A3) © PatBase

Title: SMALL MOLECULE AGONISTS OF NEUROTENSIN RECEPTOR 1

Priority: US20140017046P 20140625 WO2015US37515 20150624

Family:

Publication number	Publication date	Application number	Application date
CA2952732 AA	20161215	CA20152952732	20150624
EP3160961 A2	20170503	EP20150811366	20150624
JP2017519772 T2	20170720	JP20160574242T	20150624
WO15200534 A2	20151230	WO2015US37515	20150624
WO15200534 A3	20160421	WO2015US37515	20150624

Probable Assignee: SANFORD BURNHAM MED RES INST

Assignee(s):(std)**:** SANFORD BURNHAM MED RES INST ; SANFORD BURNHAM MEDICAL RES INST

Assignee(s): PINKERTON ANTHONY B ; HEDRICK MICHAEL P ; HERSHBERGER PAUL M ; MALONEY PATRICK R ; PEDDIBHOTLA SATYAMAHESHWAR ; SANFORD BURNHAM MEDICAL RESEARCH INST

Inventor(s):(std)**:** HEDRICK MICHAEL P ; HERSHBERGER PAUL M ; MALONEY PATRICK R ; PEDDIBHOTLA SATYAMAHESHWAR ; PINKERTON ANTHONY B

Agent(s): GOWLING WLG CANADA LLP; WYTENBURG WILHELMUS JOHANNES; ZUNIC VALENTIN B

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A61K31/506 A61K31/517 A61K31/519 A61K31/5377 A61K31/55 A61P21/00 A61P25/00 A61P25/14 A61P25/16 A61P25/18 A61P25/28 A61P25/30 A61P43/00 C07D239/94 C07D401/04 C07D401/12 C07D401/14 C07D403/04 C07D403/12 C07D403/14 C07D409/14 C07D413/14 C07D471/04 C07D487/10 (Advanced/Invention)

CPC: C07D401/04 C07D239/94 C07D401/12 C07D403/04 C07D403/12 C07D409/14 C07D487/10 C07D401/14

Classification Explorer

Cited documents: WO14100501 A1, WO14052699 A1, WO11153553 A2, US2005096327 AA,

Abstract:
Provided herein are small molecule neurotensin receptor agonists, compositions comprising the compounds, and methods of using the compounds and compositions comprising the compounds.

0) US2009267758A – SYSTEMS AND APPARATUS FOR MEASURING A BIOACTIVE...

45) Family number: 43925912 (US2009267758A) © PatBase

Title: SYSTEMS AND APPARATUS FOR MEASURING A BIOACTIVE AGENT EFFECT

Priority:

US20080150122 20080424 US20080152266 20080513 US20080154275 20080521
US20080156440 20080530 US20080156949 20080605 US20080157160 20080606
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US20160044470 20160216 US20160265016 20160914 US20160349974 20161111

Family:

Publication number	Publication date	Application number	Application date
US2009267758 AA	20091029	US20080220706	20080725
US2009269329 AA	20091029	US20080156440	20080530
US2009270687 AA	20091029	US20080229612	20080825
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US2016074583 AA	20160317	US20150853726	20150914	
US2016188837 AA	20160630	US20150977583	20151221	
US2016199577 AA	20160714	US20160044470	20160216	
US2017068800 AA	20170309	US20160265016	20160914	
US2017100540 AA	20170413	US20160349974	20161111	
US7801686 BB	20100921	US20080214547	20080619	
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US8876688 BB	20141104	US20080157160	20080606	
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US9026369 BB	20150505	US20080290456	20081029	
US9064036 BB	20150623	US20080217509	20080703	
US9239906 BB	20160119	US20090387961	20090508	
US9282927 BB	20160315	US20080229531	20080822	
US9358361 BB	20160607	US20140181540	20140214	
US9449150 BB	20160920	US20080157922	20080613	
US9504788 BB	20161129	US20130857721	20130405	
US9560967 BB	20170207	US20080220706	20080725	
US9649469 BB	20170516	US20080315366	20081201	
US9662391 BB	20170530	US20080156949	20080605	

Probable Assignee: INVENTION SCIENCE FUND I LLC

Assignee(s):(std)**:** SEARETE LLC ; INVENTION SCIENCE FUND I LLC ; LEVIEN ROYCE A ; ISHIKAWA MURIEL Y ; LORD ROBERT W ; MALAMUD MARK A ; LEUTHARDT ERIC C ; LEUTHHARDT ERIC C ; HYDE RODERICK A ; INV SCIENCE FUND 1 LLC ; INVENT SCIENCE FUND I LLC ; SEARETE LLC A LTD CORP OF ; WOOD VICTORIA Y H ; SWEENEY ELIZABETH A ; WOOD JR LOWELL L ; WOOD LOWELL L

Assignee(s): GEARBOX LLC ; WOOD VICTORIA YH ; SEARETE LLC A LIABILITY CORP LTD ; SEARETE LLC A LIABILITY OF STATE OF DELAWARE CORP LTD ; SEARETE LLC A LIABILITY OF STSTE OF DELAWARE CORP LTD ; SEARETE LLC A LIABILITY OF STATE OF DELAWAR CORP LTD ; INVENTION SCIENCE FUND 1 LLC ; SEARETE LLC A OF STATE OF DELAWARE CORP LTD

Inventor(s):(std)**:** HYDE RODERICK A ; ISHIKAWA MURIEL Y ; LEUTHARDT ERIC C ; LEVIEN ROYCE A ; LORD ROBERT W ; MALAMUD MARK A ; SWEENEY ELIZABETH A ; WOOD JR LOWELL L ; WOOD VICTORIA Y H ; WOOD LOWELL L ; LEUTHHARDT ERIC C

Inventor(s): WOOD VICTORIA YH

Agent(s): IV SUITER SWANTZ PC LLO; SEARETE LLC CLARENCE T TEGREENE; IV – SUITER SWANTZ PC LLO; KELLER LAPUMA WOODARD PC

International class (IPC 8–9): A61B19/00 A61B3/00 A61B3/024 A61B5/00 A61B5/0205 A61B5/024 A61B5/04 A61B5/05 A61B5/053 A61B5/08 A61B5/16 A61F5/00 A61K31/135 A61K31/5415 A61K33/00 A61K33/10 A61K39/395 A61K45/06 A61M11/00 A61M15/00 A61M21/00 A61M21/02 A61M31/00 A61M35/00 A61M37/00 A61M5/172 A61P43/00 A63F13/00 A63F9/24 G01N33/48 G03B21/32 G05B11/01 G05B13/00 G05B13/02 G05B19/042 G06F17/00 G06F17/30 G06F19/00 G06F3/048 G06F7/06 G06N3/00 G06N5/02 G06N5/04 G06Q10/00 G06Q50/00 G06Q50/22 G06Q50/24 G08B1/08 G08B23/00 G09B5/00 G10L15/00 (Advanced/Invention);
A61M21/00 (Advanced/Non–invention);
A61B5/00 A61B5/024 A61B5/16 A61F5/00 A61K33/06 A61K39/395 A61M15/00 A61M21/00 A61M31/00 A61M35/00 A61M37/00 A61P43/00 A63F13/00 A63F9/24 G01N33/48 G05B11/01 G05B13/00 G05B13/02 G05B19/04 G06F17/00 G06F17/30 G06F19/00 G06F3/048 G06F7/06 G06N5/00 G06Q50/00 G08B1/00 G08B23/00 G09B5/00 G10L15/00 (Core/Invention)

CPC: G06Q10/00 G06F19/3418 G06F19/325 A61M31/002 A61M35/00 A61B3/112 A61B5/14532 A61M21/02 A61M2021/005 A61M2021/0077 G06F19/324 G06F19/363 G06F19/345 G06F19/326 G06F19/3443 G06F19/3487 G06F17/30864 A61B5/082 A61B5/00 A61B5/02 A61B5/04 A61B5/05 A61B5/08 A61B5/4266 A61B5/4839 A61M5/1723 G06F19/3437 A61B5/0002 A61B5/0205 A61B5/024 A61B5/0537 A61B5/411 A61B5/415 A61B5/416 A61B5/418 A61B5/48 A61K45/06 A61K31/135 A61K31/5415 A61K33/00 G06Q50/22 G06Q50/24 G06F17/30424 G06F19/3456 G06F19/3481 A61M2205/50 A61M2205/52 A61M2230/30 A61M2230/10 A61M2230/04 A61M2205/502 A61M2230/65 A61M2205/581 A61B5/16 G06F3/011 G06F17/30528 A61K2300/00

European class: A61B3/11D A61B5/00 A61B5/00B A61B5/02 A61B5/0205 A61B5/024 A61B5/04 A61B5/05 A61B5/053J A61B5/08 A61B5/145G A61B5/41B A61B5/41J2 A61B5/41J8 A61B5/42M2 A61B5/48J2 A61K31/135 A61K31/5415 A61K33/00 A61K45/06 A61M31/00D A61M35/00 G06F19/32E G06F19/32E3 G06F19/34C G06F19/34L G06F19/34N G06F19/36A G06Q10/00 G06Q50/22 G06Q50/24 K61B5/41J4 K61B5/41J8 S06F19/32E S06F19/32E1 S06F19/34J S06F19/34K S06F19/34N S06F19/34P

US class: 1/1 1/1P 128/200.15 128/200.16 128/203.15 128/203.150S 128/897 340/539.12 340/539.120P 340/573.1 340/573.100S 424/130.1 424/130.100P 424/687 424/687S 434/236 434/236P 463/30 463/30S 463/36 463/36S 600/21 600/26 600/26S 600/27 600/27P 600/27S 600/28 600/28S 600/300 600/300P 600/300S 600/301 600/301P 600/310 600/38 600/38S 600/508 600/508P 600/532 600/558 600/558P 600/558S 600/559 600/559S 604/19 604/19P 604/503 604/65 604/65P 604/66 604/66S 604/93.01 604/93.010S 700/23 700/23S 700/28 700/28P 700/28S 700/90 700/90S 700/94 700/94P 700/94S 702/19 702/19P 702/19S 703/2 704/231 704/231S 705/2 705/2P 705/2S 705/3 705/3P 706/46 706/46P 706/54 706/54S 706/59 706/59P 707/3 707/706 707/706P 707/999.003 707/999.003S 707/E17.014 707/E17.014S 707/E17.108 707/E17.108S 707/E17.141 707/E17.141S 715/764 715/764S

Classification Explorer

Cited documents: WO9904043 A1, WO08098245 A2, WO07141373 A2, WO07068983 A1, WO07016241 A2, WO07016241 A1, WO06090371 A2, WO06048417 A1, WO03048789 A2, US9026369 BB, US8876688 BB, US8790697 BB, US8682687 BB, US8615407 BB, US8606592 BB, US8160901 BB, US8150629 BB, US8150509 BB, US7974787 BB, US7942818 BB, US7925338 BB, US7890340 BB, US7827044 BB, US7801686 BB, US7623927 BB, US7623927 B1, US757865 A, US7575865 BB, US7513622 BB, US7513622 B1, US7481651 BB, US7467119 BB, US7461651 BB, US7461651 B1, US7356065 BB, US7353065 BB, US7353065 B1, US7323927 BB, US7294107 BB, US7294107 B1, US7272431 BB, US7272431 B1, US7245956 BB, US7245956 B1, US7229288 BB, US7229288 B1, US7226164 BB, US7226164 B1, US7198044 BB, US7198044 B1, US7197492 BB, US7197492 B1, US7177675 BB, US7177675 B1, US7161579 BB, US7161579 B1, US7148208 BB, US7148208 B1, US7144680 BB, US7144680 B1, US7142911 BB, US7084874 BB, US7084874 B1, US7076437 BA, US7074833 BB, US7049103 BB, US7049103 B1, US7044911 BB, US7044911 B1, US7039878 BB, US7039878 B1, US7033025 BB, US7033025 B1, US7002476 BB, US7002472 BB, US6997880 BB, US6997880 B1, US6968375 BA, US6952695 BA, US6947790 BB, US6919141 BB, US6909359 BA, US6886653 BA, US6886359 BB, US6852695 BB, US6852069 BB, US6852069 B1, US6832178 BA, US6826498 BB, US6826498 B1, US6822554 BB, US6807492 BB, US6804661 BB, US6724983 BA, US6723527 BB, US6702767 BA, US6683455 BB, US6647358 BB, US6647358 B1, US6631291 BB, US6579231 BA, US6565359 BB, US6561811 BB, US6561811 B1, US6542858 BA, US6487520 BA, US6448030 BA, US6436944 BA, US6435878 BA, US6425764 BA, US6421650 BA, US6397080 BA, US6390453 BA, US6383135 BA, US6368111 BB, US6334778 BA, US6315719 BA, US6314384 BA, US6282458 BA, US6244987 BA, US6198953 BA, US6188145 BA, US618615 A, US6186145 BA, US6168562 BA, US6168562 B1, US6152563 A, US6149586 A, US6102846 A, US6067523 A, US6053866 A, US6047203 A, US6014626 A, US6012926 A, US5919141 A, US5913310 A, US5910924 A, US5891049 A, US5846086 A, US5845255 A, US584255 A, US5822726 A,

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Forward Citations: WO17014733, WO16176127, WO16151364, WO16064908, WO16027102, WO14093392, WO13074232, WO13043784, US9704311, US9679112, US9668694, US9668656, US9662240, US9622703, US9622702, US9622660, US9596999, US9589107, US9585616, US9585577, US9582647, US9517152, US9517024, US9516460, US9501919, US9495684, US9492092, US9439574, US9430617, US9380976, US9380952, US9364158, US9361625, US9339209, US9320450, US9289573, US9265458, US9259342, US9251713, US9239906, US9215986, US9215978, US9192300, US9183262, US9173594, US9173593, US9171048, US9170992, US9161715, US9161700, US9138186, US9116513, US9110958, US9103754, US9101263, US9099092, US9073206, US9064390, US9064036, US9060671, US9037578, US9031870, US9028407, US8989835, US8979765, US8956294, US8956293, US8934976, US8914146, US8909330, US8905298, US8888700, US8885882, US8881058, US8843585, US8808188, US8788286, US8788283, US8747330, US8740807, US8740802, US8738118, US8727977, US8715179, US8715178, US8712760, US8694073, US8672854, US8655915, US8655908, US8655899, US8622922, US8615664, US8606761, US8602997, US8602789, US8594776, US8591411, US8585604, US8554297, US8553916, US8545417, US8527038, US8489182, US8475370, US8458121, US8458097, US8452619, US8437824, US8429225, US8428676, US8386519, US8380658, US8364250, US8326648, US8321004, US8255403, US8224835, US8209319, US8200509, US8185461, US8159223, US8099424, US8065324, US8065240, US8055643, US8051033, US7933912, US7917438, US7852082, US7797302, US2017157343, US2017055847, US2016140986, US2016140317, US2016135739, US2016135738, US2016135737, US2016135736, US2016105631, US2016063890, US2015325068, US2015304048, US2015296117, US2015294669, US2015254992, US2015178463, US2015026587, US2014378784, US2014356824, US2014290396, US2014220541,

US2014220515, US2014220514, US2014129220, US2014085047, US2013083054, US2013059283, US2013017870, US2012316793, US2012277594, US2012254779, US2012229634, US2012188256, US2012157793, US2012151234, US2012108984, US2012083671, US2012053929, US2011245638, US2011224498, US2011208014, US2011201960, US2011201959, US2011201899, US2011153355, US2011087076, US2011078168, US2011040791, US2011016105, US2010332390, US2010325108, US2010094120, US2010092929, US2010063930, US2010063843, US2010063835, US2010062403, US2010039111, US2009292928, US2009292713, US2009292702, US2009292676, US2009292658, US2009290767, US2009284343, US2009271011, US2009262965, US2009253108, US2009132275, US2009119154, US2009112621, US2009112620, US2009112617, US2009112616, US2009024050, US2009018407, US2008319276, US2008287821, US2008281185, US2008243543, US2008242950, US2008242948, US2008228824, US2008228818, US2008228735, US2008228730, US2008228708, US2008228043, US2007166690, TWI508018, RU2536421, CN101856227,

Abstract:
Source: US2009267758A Apparatus and systems are described that include physical media related to accepting at least one attribute associated with an individual from a licensed health care provider and/or presenting an output of an artificial sensory experience associated with a request to measure at least one effect of a bioactive agent on the attribute associated with individual.

0) US2008072437A – DUMMY HAIR CLIPPER HEAD INCORPORATED FOR THE AT...

46) Family number: 41630106 (US2008072437A) © PatBase

Title: DUMMY HAIR CLIPPER HEAD INCORPORATED FOR THE ATTACHMENT OF GUIDE COMBS

Priority: US20060470256 20060906 US20090422993 20090414 US20130892886 20130513

Family:

Publication number	Publication date	Application number	Application date
US2008072437 AA	20080327	US20060470256	20060906
US2009218252 AA	20090903	US20090422993	20090414
US2014331504 AA	20141113	US20130892886	20130513
US7536789 BB	20090526	US20060470256	20060906
US8439190 BB	20130514	US20090422993	20090414
US9302400 BB	20160405	US20130892886	20130513

Probable Assignee: MICHEL MATTHEW JUSTIN

Assignee(s):(std)**:** MICHEL MATTHEW JUSTIN

Inventor(s):(std)**:** MICHEL MATTHEW JUSTIN

Agent(s): MATTHEW JUSTIN MICHEL

International class (IPC 8–9)**:** A45D19/02 A45D20/12 A45D24/22 A45D24/36 B26B13/00 B26B13/24 B26B19/00 B26B19/20 B26B19/38 B26B19/40 B26B19/44 B26B21/12 B65D69/00 B65D73/00 B65D85/00 (Advanced/Invention); B26B13/00 B26B19/00 B65D69/00 (Core/Invention)

CPC: A45D24/22 B26B13/24 B26B19/20 B26B19/38 B26B19/3813 B26B19/3846 B26B19/44 B26B21/12 B26B19/3806 B26B19/3826 A45D19/02 A45D20/12 A45D24/36 B26B19/40 Y10T29/49826

European class: A45D24/22 B26B13/24 B26B19/20 B26B19/38A B26B19/38A1 B26B19/38A3 B26B19/38C B26B19/44 B26B21/12

US class: 1/1 206/228 206/488 206/581 206/702 29/428 30/200 30/201 30/201P 30/233.5 30/233.500S

Classification Explorer

Cited documents: USD548888 S1, USD545500 S1, USD435185 S1, USD244712 S1, US8597435 BB, US84860 A, US8439190 BB, US7617936 BB, US7536789 BB, US7044137 BB, US6807736 BB, US6775922 BB, US6755302 BA, US6675812 BA, US6367483 BA, US6302607 BA, US6164582 A, US6079107 A, US5937526 A, US5768748 A, US5727745 A, US5649502 A, US5195245 A, US5095853 A, US5056698 A, US4813439 A, US4538362 A, US3964501 A, US3937231 A, US3696818 A, US3668736 A, US3626546 A, US3520311 A, US3429642 A, US3344520 A, US3308500 A, US2959292 A, US2780829 A, US2748472 A, US2108184 A, US2014331504 AA, US2005109662 AA, US1957430 A, US1878345 A, US1758338 A, US1570013 A, US1558729 A, US1004404 A,

Forward Citations: WO16020002, WO13055347, WO13055347, USD791410, USD785249, USD782115, USD779123, USD756565, USD748862, USD655043, USD608945, US9713877, US9434078, US9302400, US9266245, US9089979, US8727409, US8627830, US8528501, US8484853, US2016081458, US2015164589, US2015158189, US2014331504, US2014215832, US2013092594, US2012110859, JP2017509365, CN104175342, CN103826809,

Abstract:
Source: US2008072437A Herein a dummy hair clipper head is a rigid form conforming to those dimensions of the head of a hair clipper (typically its stationary blade) which are necessary for its compatibility with attachment guide combs and optionally including a novel method of dual engagement with the V shaped groove of the guide comb. Said rigid form being incorporated into an object to allow the attachment of guide combs to that object. The diverse embodiments of this device include a comb organizer, a scissor comb, a razor comb, a vacuum comb, a dryer comb, and a liquid dispensing comb.

0) US2012245700A – LOAD BEARING IMPLANTS

47) Family number: 51974654 (US2012245700A) © PatBase

Title: LOAD BEARING IMPLANTS

Priority: US20110480113P 20110428 US20120506597 20120430 US20140266494 20140430

Family:

Publication number	Publication date	Application number	Application date
US2012245700 AA	20120927	US20110065597	20110324
US2014339353 AA	20141120	US20140266494	20140430
US8778030 BB	20140715	US20110065597	20110324
US9601913 BB	20170321	US20140266494	20140430

Probable Assignee: TRAN BAO

Assignee(s):(std)**:** KILLEN CRIT RANDALL ; SIDEBOTHAM CHRISTOPHER G

Assignee(s): TRAN BAO

Inventor(s):(std)**:** SIDEBOTHAM CHRISTOPHER G ; KILLEN CRIT RANDALL

Agent(s): MARGARET A; ERNEST D BUFF AND ASSOCIATES LLC; ERNEST D; TRAN AND ASSOCIATES

International class (IPC 8–9)**:** A61F2/36 A61F2/38 A61F2/40 B65H75/40 H02G11/02 (Advanced/Invention); A61B17/72 A61B17/80 A61F2/30 A61F2/36 A61F2/38 (Advanced/Non–invention)

CPC: A61F2/3676 A61F2002/30566 A61B17/72 A61B17/80 A61F2/3094 A61F2/3601 A61F2/3859 A61F2/389 A61F2/4059 A61F2002/30289 A61F2002/30594 A61F2002/30769 A61F2002/30822 A61F2002/30968 A61F2002/3694 H02G11/02 B65H49/32 B65H49/325 A61F2/3662 A61F2002/3692 B65H75/40

European class: A61F2/30B A61F2/36D6 A61F2/40D K61B17/58 K61F2/30A2Y21 K61F2/30A3W10H K61F2/30A3W24 K61F2/30L1 K61F2/30L2G2 K61F2/30M K61F2/30M6 K61F2/36A K61F2/36D8L K61F2/38F K61F2/38T

US class: 242/557 623/20.36 623/23.17 623/23.32 623/23.33

Classification Explorer

Cited documents: US8616485 BB, US8403345 BB, US7984870 BB, US7044419 BB, US6948680 BB, US6723129 BB, US6652591 BB, US6245112 BA, US6093209 A, US5549702 A, US5041118 A, US4938774 A, US4851008 A, US4743263 A, US4605237 A, US4391422 A, US4314381 A, US3856230 A, US3652026 A, US2008161931 AA, US2007233095 AA, US2007116734 AA, US2004107001 AA, US2002111692 AA,

Forward Citations: US2015304756, TWI532462, CN104688390,

Abstract:
Source: US2012245700A A bio–compatible femoral stem is made from a bio–compatible titanium alloy or cobalt–chromium alloy, each of which have an elastic modulus far greater than that of natural bone. When the implant heals within a bone cavity, the implant essentially carries substantially the entire load. Transfer of load to the surrounding bone tissue is lost or resorbed due to lack of use after implant healing. Flexing a stiff implant applies a very large load at the implant distal end. The bone cortex is thereby allowed to thicken due to excessive load, causing thigh pain long after implant healing. The femoral implant has a bone ingrowth coating on the proximal end, allowing firm attachment of the implant in the bone cavity. The distal end has a central aperture and a helical machined groove that permits flexing of the distal portion of the femoral implant stem. This flexing is occurs in a manner similar to surrounding bone tissue, preventing thigh pain.

48) Family number: 55374765 (US2015111868A) © PatBase

Title: NOVEL 1,3–DIHYDRO–2H–BENZIMIDAZOL–2–ONE DERIVATIVES SUBSTITUTED WITH HETEROCYCLES AS RESPIRATORY SYNCYTIAL VIRUS ANTIVIRAL AGENTS

Priority: EP20120172271 20120615 EP20120182550 20120831 WO2013EP62322 20130614 EP20130728404 20130614 US20140407134 20141211 US20160991815 20160108

Family:

Publication number	Publication date	Application number	Application date
AR091455 AA	20150204	AR2013P102108	20130614
AU2013276519 AA	20131219	AU20130276519	20130614
AU2013276519 BB	20170525	AU20130276519	20130614
CA2873920 AA	20141118	CA20132873920	20130614
CN104540817 A	20150422	CN201380031144	20130614
CN104540817 B	20170301	CN201380031144	20130614
EA201590022 A1	20150430	EA20150090022	20130614
EP2864323 A1	20150429	EP20130728404	20130614
EP2864323 B1	20170419	EP20130728404	20130614
JP2015519386 T2	20150709	JP20150516621T	20130614
KR20150033646 A	20150401	KR20157000509	20130614
LT2864323 T	20170725	LT20130728404T	20130614
TW201410669 A	20140316	TW20130121025	20130614
US2015111868 AA	20150423	US20130407134	20130614
US2016122346 AA	20160505	US20160991815	20160108
WO13186333 A1	20131219	WO2013EP62322	20130614

Probable Assignee: JANSSEN SCIENCES IRELAND UC

Assignee(s):(std)**:** JANSEN R AND D IRELAND ; JANSSEN R AND D IRELAND ; JANSSEN SCIENCES IRELAND UC

Assignee(s): JANSSEN INFECTIOUS DISEASES BVBA ; JANSSEN PHARMACEUTICA NV ; VENDEVILLE SANDRINE MARIE HELENE ; TIBOTEC PHARMACEUTICALS LTD ; RABOISSON PIERRE JEAN MARIE BERNARD ; JONCKERS TIM HUGO MARIA ; TAHRI ABDELLAH ; JANSSEN R AND D IRELANDEASTGATE VILLAGECOUNTY CORKEASTGATE LITTLE ISLANDIE ; COOYMANS LUDWIG PAUL ; DEMIN SAMUEL DOMINIQUE ; HU LILI

Inventor(s):(std)**:** COOYMANS LUDWIG PAUL ; DEMIN SAMUEL DOMINIQUE ; HU LILI ; JONCKERS TIM HUGO MARIA ; RABOISSON PIERRE JEAN MARIE BERNARD ; TAHRI ABDELLAH ; VENDEVILLE SANDRINE MARIE HELENE

Inventor(s): VENDEVILLE SANDRINE MARIE HELENEBE ; TAHRI ABDELLAHBE ; RABOISSON PIERRE JEAN MARIE BERNARDBE ; JONCKERS TIM HUGO MARIABE ; HU LILIBE ; DEMIN SAMUEL DOMINIQUEBE ; COOYMANS LUDWIG PAULBE

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; VERBERCKMOES FILIP GERARD; OHMORI NORIO; KOBAYASHI HIROSHI; VERBERCKMOES FILIP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/4184 A61K31/427 A61K31/437 A61K31/4439 A61K31/444 A61K31/506 A61P31/12 A61P31/14 A61P31/16 C07D401/06 C07D401/14 C07D403/06 C07D403/14 C07D417/14 C07D471/04 C07D519/00 (Advanced/Invention)

CPC: C07D417/14 C07D471/04 C07D403/14 A61K31/4184 A61K31/437 C07D403/06 C07D519/00

US class: 514/210.18 514/210.21 514/256 514/275 514/303 514/370 514/371 544/328 544/331 546/118 548/196 548/305.1

Classification Explorer

Cited documents: WO08147697 A1, WO04069256 A1, WO0195910 A1, US8927720 BB, US8921560 BB, US8865705 BB, US8846672 BB, US6489338 BB, US2013267556 AA, JP2005511714 T2, JP2004503501 T2, CN1436079 A,

Forward Citations: WO16022464, US2016251377,

Abstract:
Source: US2015111868A The present invention is concerned with novel 1,3−dihydro−2H−benzimidazol−2−one derivatives substituted with heterocycles having formula (I) stereoisomeric forms thereof, and the pharmaceutically acceptable addition salts, and the solvates thereof, wherein R4, R5, Z and Het have the meaning defined in the claims. The compounds according to the present invention are useful as inhibitors on the replication of the respiratory syncytial virus (RSV). The invention further concerns the preparation of such novel compounds, compositions comprising these compounds, and the compounds for use in the treatment of respiratory syncytial virus infection.

49) Family number: 31944754 (US2005109841A) © PatBase

Title: MULTI–INTERFACE COMPACT PERSONAL TOKEN APPARATUS AND METHODS OF USE

Priority:

AU20120306568 20120820 EP20070820170 20070913 EP20130704572 20130205
EP20100768954 20101026 EP20110713745 20110405 EP20100768953 20101026
US20040663541P 20041206 US20050652895P 20050215 US20050295685 20051206
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US20050708628P 20050816 US20050708707P 20050816 US20050725818P 20051012
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Family:

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU

ZA ZM ZW

International class (IPC 8–9):
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B23K101/40 B23K103/00 G06K19/077 G06K7/10 H01F27/36 H01F38/14 H01F41/16 H04H20/93 H04H60/37 H05K1/02 H05K1/16 H05K1/18 H05K3/10 H05K3/12 (Advanced/Non–invention);
B32B27/00 B32B37/02 B42D15/00 G01V15/00 G06F13/38 G06F15/16 G06F17/11 G06K19/02 G06K19/06 G06K19/07 G06K19/073 G06K19/077 G06K5/00 G06K7/00 G06K7/01 G06K7/08 G06Q20/00 G06Q40/00 G08B13/14 H01F41/04 H01L21/02 H01L23/48 H01P11/00 H01Q1/00 H01Q1/22 H01Q1/38 H01Q11/00 H01Q13/00 H01Q7/00 H01R43/00 H01S4/00 H04B5/00 H04H1/00 H04L29/06 H05K13/04 H05K3/00 H05K3/30 H05K7/02 (Core/Invention);
G06F G06K (Subclass/Invention)

International class (IPC 1–7):
G06F G06K5/00 G06K7/00

CPC:
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European class: B32B37/12B B60R25/25 B60R25/25B G06F13/38A2 G06K17/00G G06K19/02C G06K19/04K G06K19/04K6 G06K19/067Q G06K19/07 G06K19/073A2 G06K19/073A2A G06K19/077 G06K19/077D G06K19/077E2 G06K19/077E7 G06K19/077E8 G06K19/077M G06K19/077M2 G06K19/077T G06K19/077T2 G06K19/077T2A G06K19/077T2E G06K19/077T4A G06K19/077T4C G06K19/077T7C1 G06K19/077T7C1A G06K19/077T7C1C G06K19/077T7C3 G06K19/077T7M G06K19/07E G06K19/07T G06K7/00C G06K7/00E G06K7/00K G06K7/00K3 G06K7/00K3C G06K7/00K7A G06K7/00K7G G06K7/10A5 G06K7/10A7A G06K7/10A8E G06Q10/087 G06Q20/10 G06Q20/327 G06Q20/3278 G06Q20/3574 G06Q20/425 G06Q40/00 G06Q40/04 G06Q40/06 H01F41/10 H01F5/04 H01L23/48 H01L23/498K H01L23/66 H01L24/05 H01L24/06 H01L24/46 H01L24/48 H01L24/78 H01L24/80 H01L24/85 H01Q1/22C4 H01Q1/22J H01Q1/38 H01Q1/40 H01Q23/00 H01Q7/00 H01Q9/27 H04B5/00R2 H04H60/37A H04H60/63 H04H60/73 H04H60/74 H04H60/88 H04L29/06C6C H04L29/08N15 H04L29/08N5 H04L63/10 H05K3/10C L32B305/34A L32B37/12C4 L32B425/00 L60R325/10B L60R325/10F T01F27/29B T01F27/40 T01F38/14 T01F41/04A T01F41/06B T01F41/10 T01F5/00A T01L223/66C3 T01L224/04010 T01L224/04042 T01L224/05553 T01L224/05599 T01L224/05624 T01L224/45 T01L224/45014 T01L224/45015 T01L224/45025 T01L224/45100 T01L224/45124 T01L224/45139 T01L224/45144 T01L224/45147 T01L224/45540 T01L224/45565 T01L224/45690 T01L224/48 T01L224/48090 T01L224/48091 T01L224/48130 T01L224/48470 T01L224/48472 T01L224/48599 T01L224/48699 T01L224/48799 T01L224/49111 T01L224/78 T01L224/78301 T01L224/83850 T01L224/85 T01L224/85180 T01L224/85201 T01L224/85205 T01L224/85214 T01L23/31H T01L24/04 T01L24/45 T01L924/01002 T01L924/01005 T01L924/01013 T01L924/01014 T01L924/01015 T01L924/01020 T01L924/01029 T01L924/01047 T01L924/01075 T01L924/01079 T01L924/14000 T01L924/15153 T01L924/15170 T01L924/20751 T01L924/20752 T01L924/20753 T01L924/20754 T01L924/20755 T01L924/20756 T01L924/20757 T01L924/20758 T01L924/20759 T01L924/20760 T01L924/30107 T04H20/93 T04H60/37 T04L29/08N1 T04L463/101 T05K201/09A3 T05K201/10A12 T05K201/10B8 T05K203/02L T05K3/00K3L4 T05K3/32B T05K3/34C4

US class: 1/1 118/621 156/196 156/196S 156/242 156/268 156/60 156/60S 156/73.1 174/250 174/261 216/13 219/121.69 235/375 235/380 235/380P 235/435 235/439 235/439P 235/439S 235/441 235/441S 235/451 235/451S 235/472.02 235/487 235/488 235/488P 235/492 235/492P 235/493 257/784 257/784P 257/E21.332 257/E21.332S 257/E21.476 257/E21.476S 257/E21.505 257/E21.505S 283/107 283/107P 29/592.1 29/600 29/600P 29/600S 29/601 29/601P 29/605 29/605S 29/606 29/606S 29/729 29/729S 29/745 29/825 29/825S 29/829 29/829S 29/831 29/832 29/832P 29/832S 29/840 29/840S 29/843 29/845 29/850 29/853 29/854 29/854P 29/857 29/857S 336/105 336/105P 340/10.1 340/572.1 340/572.7 340/572.700P 340/572.700S 340/572.8 343/700.00R 343/700.0MS 343/700MS 343/700R 343/702 343/741 343/741P 343/786 343/866 343/866P 343/867 343/870 343/873 343/873S 343/895 427/126.1 427/208.2 427/555 428/41.8 428/96 428/96P 438/106 438/106S 438/118 438/119 438/119S 438/22 438/26 438/676 438/676S 438/759 438/759S 439/131 455/41.1 455/41.100P 705/28 705/35 705/35P 705/36 705/36.00RP 705/36R 705/37 709/217 709/217P

Classification Explorer

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Abstract:
Source: US2005109841A A compact personal token apparatus, suitably resembling a conventional USB memory fob in size, shape, and form which can be plugged into a PC and interfaced with the virtual world of the Internet. The apparatus is capable of loading and storing information from the Internet, via the PC to its flash memory or EEPROM and then using the stored information or value via its wireless interface in the real world. The apparatus is capable of implementing an auto−run application, when inserted into a personal computer. The apparatus is capable of exchanging information with other devices having compatible interfaces. The apparatus can also function as a firewall when plugged between an Internet connection and a PC.

0) US2014377327A – EXTENDED RELEASE DRUG–DELIVERY CONTACT LENSES A...

50) Family number: 58125957 (US2014377327A) © PatBase

Title: EXTENDED RELEASE DRUG–DELIVERY CONTACT LENSES AND METHODS OF MAKING

Priority: US20130837530P 20130620 US20130837537P 20130620 US20140309437 20140619 WO2014US43239 20140619

Family:

Publication number	Publication date	Application number	Application date
CA2916425 AA	20151221	CA20142916425	20140619
EP3011383 A2	20160427	EP20140814276	20140619
EP3011383 A4	20161130	EP20140814276	20140619
US2014377327 AA	20141225	US20140309437	20140619
WO14205252 A2	20141224	WO2014US43239	20140619
WO14205252 A3	20151105	WO2014US43239	20140619

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Inventor(s):(std)**:** VEDANTHAM KUMAR ; TANGONAN ANDREW ; REUTER MARTIN ; KELLEY ANNA ; KAMMERICH ANTHONY ; DAVIS KEELA

Agent(s): TORYS LLP; CORNISH KRISTINA VICTORIA JOY; JEFFRIES JAMES H ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/573 A61K31/7052 A61K45/06 A61K9/00 B29D11/00 G02B1/04 G02C7/04 (Advanced/Invention)

CPC: A61K9/0051 B29D11/00096 A61K31/573 A61K45/06 A61K31/7052 A61K9/0092 G02B1/043 B29D11/00048 G02C7/04

US class: 264/1.7 424/429 514/179 514/29

Classification Explorer

Cited documents: US8083347 BB, US7795359 BB, US7329001 BB, US5840338 A, US5776999 A, US5106533 A, US4919850 A, US4582884 A, US2013131214 AA, US2013032059 AA, US2012277690 AA, US2012116019 AA, US2011230589 AA, US2011217355 AA, US2009269391 AA, US2009060961 AA, US2006155253 AA,

Forward Citations: US9709703,

Abstract:
Source: US2014377327A Contact lenses are described that include particles of polymer fiber mat incorporated into a polymer lens wherein the polymer fiber mat is formed by electrospinning a prepolymer solution. Methods for making the contact lenses with improved oxygen permeability are also described. Methods for making the contact lens with optional therapeutic drug delivery and refractive correction are also described.

0) US2015335129A – TEMPORARY HAIR COLORING SYSTEM AND METHOD

51) Family number: 60899717 (US2015335129A) © PatBase

Title: TEMPORARY HAIR COLORING SYSTEM AND METHOD

Priority: US20140002106P 20140522 US20150720662 20150522

Family:

Publication number	Publication date	Application number	Application date
US2015335129 AA	20151126	US20150720662	20150522
WO15179846 A1	20151126	WO2015US32312	20150522

Probable Assignee: SORRELS CHERYL A

Assignee(s):(std)**:** SORRELS CHERYL A

Inventor(s):(std)**:** SORRELS CHERYL A

Agent(s): WAGGETT GORDON G

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A45D19/00 A45D33/00 (Advanced/Invention)

CPC: A45D33/006 A45D40/24 A45D40/265 A45D40/267 A45D2019/0066 A45D2019/0091

US class: 132/221 206/581

Classification Explorer

Cited documents: US8469041 BB, US7287923 BA, US6758618 BB, US6726387 BB, US6357449 BA, US4600328 A, US2014261532 AA, US2010147318 AA, US2006233590 AA, US2005087207 AA, US2005019084 AA, US2002164192 AA,

Abstract:
Source: US2015335129A A compact, portable system and method is provided for temporarily coloring hair on an individual's scalp using temporary powdered hair dye. The system comprises liquid hair primer, primer applicator wand, primer container, primer container cap, powder dye(s), powder applicator wand(s), powder container(s), and powder container cap(s). The primer applicator may comprise an applicator wand/brush connected to the underside of primer container cap. The powder applicator may comprise an applicator wand/brush connected to the underside of powder container cap. Containers may be stored in an organizer or be removably connectable with each other. Primer is applied with applicator to hair where colorant is desired. After primer cures, powder dye is applied with applicator to the hair over primer. The system describes various embodiments of brush bristles used with primer and powder wand/brushes, including roach leg bristles and spines. Various embodiments of organizers, primer containers, and powder containers are also described.

0) US2015166671A – TIKI INHIBITORS

52) Family number: 54974733 (US2015166671A) © PatBase

Title: TIKI INHIBITORS

Priority: US20120623744P 20120413 US20120654299P 20120601 WO2013US36422 20130412 US20130391971 20130412 US20160357141 20161121 US20140391971 20141010

Family:

Publication number	Publication date	Application number	Application date
EP2836514 A1	20150218	EP20130775801	20130412
EP2836514 A4	20151230	EP20130775801	20130412
US2015166671 AA	20150618	US20130391971	20130412
US2017174787 AA	20170622	US20160357141	20161121
US9534059 BB	20170103	US20130391971	20130412
WO13155447 A1	20131017	WO2013US36422	20130412

Probable Assignee: CHILDREN S MEDICAL CENTER CORP

Assignee(s):(std)**:** CHILDREN S MEDICAL CENTER CORP ; CHILDRENS MEDICAL CENTER

Inventor(s):(std)**:** HE XI ; MACDONALD BRYAN ; ZHANG XINJUN

Agent(s): DONALD JENNY SUSAN; FISH AND RICHARDSON PC; DEYOUNG JANICE KUGLER

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A61K31/7088 A61K31/713 A61K39/395 A61P19/08 C07K16/18 C07K16/40 C12N15/113 C12N9/64 (Advanced/Invention)

CPC: C07K16/40 A61K31/7088 C07K2317/76 C12N9/6489 A61K39/3955 A61K31/713 C12N15/1137 C12N2310/11 C12N2310/3233

US class: 424/139.1 424/185.1 435/226 514/44A 514/44R 530/387.3 530/387.9

Classification Explorer

Cited documents: WO11088127 A1, WO08012505 A2, US2013101582 AA, US2012045437 AA, US2011300160 AA, US2011231942 AA, US2007077244 AA, US2004198651 AA,

Abstract:
Source: US2015166671A Modulators of Wnt activity, e.g., Wnt inhibitors, that act on TIKI proteins and inhibit TIKI–mediated cleavage of Wnt proteins, as well as methods of identifying such modulators and methods of use thereof.

0) US2012200208A – PRESCRIPTION BOTTLE STORAGE UNITS AND MEDICAL O...

53) Family number: 51717243 (US2012200208A) © PatBase

Title: PRESCRIPTION BOTTLE STORAGE UNITS AND MEDICAL ORGANIZER CASES

Priority: US20110021297 20110204 US20120365894 20120203

Family:

Publication number	Publication date	Application number	Application date
US2012200208 AA	20120809	US20110021297	20110204
US2012200209 AA	20120809	US20120365894	20120203
US8950601 BB	20150210	US20110021297	20110204
US9027768 BB	20150512	US20120365894	20120203

Probable Assignee: BAUER KATHLEEN A

Assignee(s):(std)**:** BAUER KATHLEEN A ; HAGADORN COLLEEN A

Inventor(s):(std)**:** BAUER KATHLEEN A ; HAGADORN COLLEEN A

Agent(s): HESLIN ROTHENBERG FARLEY AND MESITI PC

International class(IPC 8–9)**:** A47B49/00 A47B67/02 A47B73/00 A47B81/00 A47B88/04 A47F3/14 A47F5/02 A47J47/00 (Advanced/Invention); A45C13/02 A61J1/16 A61J7/04 (Advanced/Non–invention)

CPC: A47B67/02 A45C13/02 A47B49/004 A47F5/02 A61J1/16 A61J7/04

European class: A47B67/02 K45C13/02 K61J1/16 K61J7/04

US class: 211/131.1 211/163 211/74 211/74S 211/77 211/77S 312/209 312/209P

Classification Explorer

Cited documents: USD561539 S1, USD535475 S1, USD526533 S1, USD498982 S1, USD426062 S1, USD413491 S1, USD401483 S1, USD394575 S1, USD348364 S1, USD347769 S1, USD334873 S1, USD334510 S1, USD327820 S1, USD324141 S1, USD320141 S1, USD302908 S1, USD291637 S1, USD267847 S1, USD248067 S1, US970522 A, US962376 A, US954805 A, US954793 A, US938809 A, US872942 A, US8640891 BB, US8550251 BA, US8534472 BB, US8511487 BB, US838294 A, US8302787 BB, US8292096 BB, US8127943 BB, US8006846 BB, US7926661 BB, US7789473 BB, US770904 A, US770903 A, US7607541 BB, US7584849 BB, US7571811 BB, US7568582 BA, US7565979 BA, US7533776 BB, US7275647 BA, US7234254 BB, US7229143 BB, US7111733 BA, US6994194 BB, US6955268 BB, US6935133 BB, US6910748 BA, US6808077 BB, US68073 A, US6761266 BB, US6752281 BA, US6595375 BB, US657463 A, US6502707 BA, US6464506 BA, US6439406 BA, US6401993 BA, US6206493 BA, US620013 A, US6189710 BA, US6182839 BA, US6179102 BA, US6179102 B1, US5855281 A, US5772054 A, US5678908 A, US5622010 A, US5613614 A, US559709 A, US5564578 A, US5405193 A, US5390791 A, US5346079 A, US5335985 A, US5333745 A, US5289940 A, US5286103 A, US5285103 A, US5255801 A, US5183165 A, US5160101 A, US5158345 A, US5105919 A, US503306 A, US4999943 A, US4962860 A, US4944924 A, US4884713 A, US4875744 A, US4850658 A, US4819815 A, US4796960 A, US4770314 A, US4753340 A, US4738038 A, US4700850 A, US4700829 A, US4697856 A, US4609975 A, US4560072 A, US4550828 A, US4541540 A, US4523702 A, US4453640 A, US4422555 A, US4339164 A, US4334617 A, US4327836 A, US4300809 A, US4286717 A, US4210186 A, US4204602 A, US4140223 A, US4126366 A, US4118002 A, US4079841 A, US3957159 A, US3942647 A, US3889817 A, US3862787 A, US350523 A, US3478890 A, US3417873 A, US3378134 A, US3286848 A, US3225913 A, US3034657 A, US3028014 A, US2936897 A, US2911107 A, US2728488 A, US2678253 A, US2630362 A, US2600770 A, US2545844 A, US2318122 A, US2305958 A, US2253181 A, US2212129 A, US2070168 A, US2014014603 AA, US2013233741 AA, US2013228408 AA, US2013220850 AA, US2012195525 AA, US2011121697 AA, US2011062094 AA, US2011031199 AA, US2011017624 AA, US2010230368 AA, US2010071395 AA, US2010059560 AA, US2009223915 AA, US2009152159 AA, US2009010575 AA, US2008335 A, US2008121554 AA, US2008093254 AA, US2007262683 AA, US2007119806 AA, US2007084742 AA, US2007056916 AA, US2006207950 AA, US2006070901 AA, US2005121121 AA, US2004168954 AA, US2003173361 AA, US1991306 A, US1963544 A, US1732131 A, US1703987 A, US1678357 A, US1581749 A, US1508204 A, US1412664 A, US1330181 A, US1154815 A, SE514112, GB2448156 A1, GB2249262 A1, FR2583389 A1, CN201316198 A, CN201160808 A,

Forward Citations: US9457610,

Abstract:
Source: US2012200208A A prescription bottle storage unit for holding a plurality of prescription pill bottles, in one embodiment, includes a holder comprising a plurality of means for supporting the prescription pill bottles horizontally and spaced−apart around a vertically−extending axis of the holder and generally at right angles from the vertically−extending axis so that outer horizontal side portions of the prescription pill bottles are observable. Means for rotatably supporting the holder on a level surface is provided so that the plurality of means for supporting the prescription pill bottles is rotatable around the vertically−extending axis. In another embodiment, a portable device for prescription pill bottles includes a removable prescription bottle storage unit comprising a holder having a plurality of means for supporting the prescription pill bottles, and a medical organizer case comprising a compartment for receiving the removable prescription bottle storage unit therein.

54) Family number: 64975990 (US2017051486A) © PatBase

Title: INTELLIGENT, DATA GATHERING AND COMMUNICATING PORTABLE RESTROOMS

Priority: US20150207131P 20150819 US20160242393 20160819

Family:

Publication number	Publication date	Application number	Application date
US2017051486 AA	20170223	US20160242393	20160819
WO17031473 A1	20170223	WO2016US47907	20160819

Probable Assignee: SATELLITE IND INC

Assignee(s):(std)**:** SATELLITE IND INC

Inventor(s):(std)**:** HOLMSTADT RONALD J ; SCHOMBURG KENNETH V

Agent(s): ULBRICH SCOTT G ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47K10/18 A47K5/12 E03D5/00 E03D5/01 E03D5/10 E03D7/00 E03D9/00 E03D9/04 E03D9/12 E04H1/12 (Advanced/Invention)

CPC: E03D7/00 E04H1/1216 E03D5/105 E03D9/04 E03D9/12 A47K5/1217 A47K10/18

US class: 4/664

Classification Explorer

Cited documents: WO14099817 A1, US7527215 BA, US6357854 BA, US5838223 A, US5647074 A, US2014117265 AA, US2013167293 AA, US2009249533 AA, US2008001763 AA, US2007056084 AA,

Abstract:
Source: US2017051486A A portable restroom includes an automatic continuous flushing feature and a touchless flush request sensor. An automatic light provides welcome lighting in darker locations. An electric fan increases ventilation and reduces odor and temperature in the restroom. Sensors monitor various levels and usage of consumables. A processor monitors the sensed data and wirelessly alerts a service provider when the restroom needs service. A flushing bowl is placed in the commode opening to hide the waste within the tank. The flushing bowl includes a relatively small opening in a forward portion of the inner bowl surface for waste to pass through. A spray nozzle for directing water over the interior of the bowl is provided to minimize the chance that waste sticks to the inner bowl.

0) US5350059A – DENTAL DISPENSING SYSTEM

55) Family number: 9094958 (US5350059A) © PatBase

Title: DENTAL DISPENSING SYSTEM

Priority: CA19932111894 19931220 US19930012304 19930202

Family:

Publication number	Publication date	Application number	Application date
CA2111894 AA	19940803	CA19932111894	19931220
DE69420988 D1	19991111	DE19946020988	19940105
DE69420988 T2	20000330	DE19946020988T	19940105
EP0609653 A1	19940810	EP19940100108	19940105
EP0609653 B1	19991006	EP19940100108	19940105
JP2596503 Y2	19990614	JP19930076043U	19931229
JP6058924 U1	19940816	JP19930076043U	19931229
US5350059 A	19940927	US19930012304	19930202

Probable Assignee: MINNESOTA MINING AND MFG

Assignee(s):(std)**:** MINNESOTA MINING AND MFG

Assignee(s): MINNESOTA MINING AND MFG CO SAINT PAUL ; MINNESOTA MINING AND MFG CO ; CHESTER BRUCE E ; CLEARY JAMES D ; MINNESOTA MINING AND MANUFACTURING COMPANY

Inventor(s):(std)**:** CHESTER BRUCE E ; CLEARY JAMES D

Agent(s): SMART AND BIGGAR

Designated states: DE FR GB IT

International class (IPC 8–9)**:** A61C19/02 A61C7/00 A61C7/12 (Advanced/Invention); A61C19/00 A61C7/00 (Core/Invention)

International class (IPC 1–7)**:** A61B19/02 A61C19/02 A61C7/00 A61C7/12

CPC: Y10S206/82 A61C19/02 A61C7/12

European class: A61C19/02 A61C7/12

US class: 206/460 206/526 206/565 206/63.5 206/635 206/820 433/9

Classification Explorer

Cited documents: WO9208419 A1, US5221202 A, US5183403 A, US5172809 A, US5015180 A, US4979611 A, US4952204 A, US4948367 A, US4903840 A, US4817805 A, US4204325 A, US4055249 A, US3698547 A, US3378925 A, US3250003 A, JP9106257 A2, EP0389226 A1,

Forward Citations: WO14159619, WO13028396, WO10056482, WO06062613, WO06062613, WO03088860, WO03026526, USD441090, US9504544, US9211988, US9131998, US8784099, US8657108, US7910632, US7798324, US7527147, US7381053, US7374420, US7338282, US7337896, US7264117, US6843370, US6834761, US6759017, US6692693, US6672456, US6503084, US6482003, US6458234, US6379631, US6262142, US6213767, US6152302, US5989205, US5827058, US5756174, US5746594, US5711418, US5692896, US5552177, US5538129, US5445270, US2013180870, US2012129120, US2011212412, US2011068019, US2009159541, US2008257767, US2008187878, US2007009848, US2006260958, US2006207893, US2006175209, US2006127834, US2006054515, US2005241962, US2005205460, US2005178685, US2005136370, US2005133384, US2003211023, US2003168358, US2002195363, EP1494608, EP0753288, EP0750887, CN102596092,

Abstract:
Source: US5350059A A dispensing system for dental appliances such as orthodontic brackets includes a plurality of containers releasably connected to a carrier strip. The carrier strip is received in channels of an organizer tray that hold the carrier strip in place as individual containers are detached from the carrier strip. Individual containers, each containing a dental appliance, are selected and removed from the organizer tray for placement in a patient setup tray that is then carried to the patient's chair.

0) US2007093935A – METHOD AND CONTROL UNIT FOR MEDICATION ADMINIST...

56) Family number: 34402918 (US2007093935A) © PatBase

Title: METHOD AND CONTROL UNIT FOR MEDICATION ADMINISTERING DEVICES

Priority: US20050163500 20051020

Family:

Publication number	Publication date	Application number	Application date
US2007093935 AA	20070426	US20050163500	20051020
US7440817 BB	20081021	US20050163500	20051020

Probable Assignee: FU LIANG

Assignee(s):(std)**:** FU LIANG

Inventor(s):(std)**:** FU LIANG

Agent(s): LIANG FU

International class (IPC 8–9): G06F17/00 (Advanced/Invention); G06F17/00 (Core/Invention)

CPC: G06F19/3406 G06F19/3456

European class: G06F19/34A G06F19/34L

US class: 221/15 700/236 700/237 700/237P 700/244

Classification Explorer

Cited documents: US6871783 BB, US6848593 BB, US6845064 BB, US6834775 BA, US6626358 BA, US6611733 BA, US6607094 BB, US6594549 BB, US6554136 BB, US6529446 BA, US6401991 BA, US6380858 BA, US6338535 BA, US6335907 BA, US6294999 BA, US6281798 BA, US6263259 BA, US6259654 BA, US6131765 A, US6119892 A, US6032085 A, US5990782 A, US5883370 A, US5852590 A, US5838224 A, US5826217 A, US5710551 A, US5522525 A, US5408443 A, US5221024 A, US5200891 A, US5181189 A, US5159581 A, US5088056 A, US4970669 A, US4962491 A, US4953745 A, US4942544 A, US4837719 A, US4831562 A, US4797283 A, US4785969 A, US4785932 A, US4695954 A, US4682299 A, US4638923 A, US4573606 A, US2005150805 AA, US2005109658 AA, US2005041531 AA, US2004256406 AA, US2004210488 AA, US2004182873 AA, US2004172163 AA, US2004158350 AA, US2004133305 AA, US2004039481 AA, US2003222090 AA, US2003146848 AA, US2003127463 AA, US2003099158 AA, US2003042167 AA, US2002147526 AA, US2002130138 AA, US2002118604 AA, US2002113077 AA, US2002070227 AA, US2002067270 AA, US2002027507 AA, US2002000917 AA, US2001028308 AA, US2001022758 AA, US2001002025 AA,

Forward Citations: WO11084672, WO10012862, US9511945, US9402406, US9340313, US9235690, US9202011, US9150119, US9125797, US9122783, US9117016, US8794127, US8749359, US8666778, US8621982, US8583281, US8491566, US8417378, US8371211, US8262842, US8230436, US8215543, US8215540, US8166145, US8135497, US8112175, US8092428, US8068015, US8060249, US8019471, US8009040, US7949426, US7933682, US7917246, US7909207, US7908030, US7860603, US7844362, US7835817, US7751933, US7735683, US7721914, US7673555, US7630790, US2016162646, US2015134360, US2013079925, US2012040319, US2012035760, US2011184758, US2011166698, US2011152769, US2011112686, US2011108619, US2010332023, US2010089997, US2010076595, US2010060435, US2010059163, US2009295575, US2009281657, US2009183157, US2009182802, US2009182608, US2009179072, US2009173779, US2009050645, US2008142534, US2008142533, US2008119958, US2008109510, FR2975898,

Abstract:
Source: US2007093935A A method and control unit for medication administering devices. The first aspect of the present invention is automatic programming of the scheduled events. The second aspect is simple user–request expression. The third aspect is guided user operation. The forth aspect is automatic medication–storage mapping. The fifth aspect is no clock setting. Prior art systems typically require the user to figure out a loading–scheduling plan, follow the plan to load the medications, program the scheduled events and tell the system how the medications are stored (manual medication–storage mapping). The system of the present invention does the opposite: it figures out the loading–scheduling plan, guides the user to load the medications, program the scheduled events, and establishes medication–storage mapping, all automatically. The system of the present invention is extremely easy to use, and vision–impaired users can easily use it.

0) US2002132214A – MEDICAL PATIENT TRAINING SYSTEMS AND METHODS

57) Family number: 28286869 (US2002132214A) © PatBase

Title: MEDICAL PATIENT TRAINING SYSTEMS AND METHODS

Priority: US20010260160P 20010105 US20020042050 20020107

Family:

Publication number	Publication date	Application number	Application date
US2002132214 AA	20020919	US20020042050	20020107

Probable Assignee: GAMBRO INC

Assignee(s):(std)**:** GAMBRO INC

Inventor(s):(std)**:** HALL GAYLE W ; MATTSON LINDA A

International class (IPC 8–9)**:** G09B23/28 (Advanced/Invention); G09B23/00 (Core/Invention)

International class (IPC 1–7)**:** G09B7/00

CPC: G09B23/28

European class: G09B23/28

US class: 434/323 434/365

Classification Explorer

Cited documents: US6579271 BA, US6167362 A, US6146523 A, US6014630 A, US4227526 A,

Forward Citations: WO04006747, WO04006747, USD590658, US9251310, US9132222, US9050411, US9013312, US8687003, US8615529, US8502681, US8490291, US8435590, US8347522, US8347521, US8341853, US8182673, US8155508, US8096062, US7993690, US7982619, US7946055, US7936275, US7890341, US7849115, US7616122, US7607592, US7482936, US6991464, US2011238202, US2011097698, US2010191181, US2008042854, US2007288171, US2007282912, US2005100637, US2004111293, US2003158467,

Abstract:
Source: US2002132214A A system and/or a method for training a patient/learner, the system or method including one or more training modules, each training module involving a concept or operation to be learned, at least one such training module containing an illustration of at least a part of the concept or operation and including the presentation to the patient/learner of the illustration of a training module, and the presentation to the patient/learner of the concept or the operation; and the demonstration by the patient/learner of the concept or the operation. A system or method of this invention may particularly involve dialysis or peritoneal dialysis patients.

58) Family number: 30560556 (US2002007510A) © PatBase

Title: Smart bathroom fixtures and systems

Priority:

CA19982228403	19980202	CA19982233047	19980315	CA19982233047	19980325
CA19982235030	19980414	CA19982249976	19981015	CA19982247649	19981013
CA19982248473	19981029	CA19982256918	19981224	CA19982237939	19980629
CA19992275784	19990629	CA19982310114	19980325	CA19982358900	19981224
CA19992264973	19990315	CA19982256920	19981229	CA19982256922	19981231
CA19992261376	19990201	CA19992267877	19990401	CA19992275798	19990629
CA19992280022	19990728	CA19982290765	19981013	CA19992247649	19991221
CA20002300435	20000228	CA20002303611	20000403	CA20002309868	20000530
CA20002313693	20000719	CA20012354113	20010710	CA20012362895	20011113
CA20022414397	20021231	CA19992295378	19991229	CA20012354114	20010716
CA20002316473	20000724	CA20002316098	20000829	CA20012357697	20010829
GB19990002328	19990202	CA19992280420	19990812	CA19992295448	19991231
CA19992280425	19990816	CA20002297344	20000131	CA20012364080	20011205
CA20012360051	20011010	CA20012357681	20010829	CA20012351660	20010626
CA20002316098	20000802	CA20022351660	20020202	CA20002233047	20000711
US19990422559	19991021	US19990421937	19991021	US19990421938	19991021
US19990422790	19991022	US19990422791	19991022	US19990422795	19991022
US19990480930	19991231	US20000480929	20000111	US20000480930	20000111
US19990480929	19991231	US20010944430	20010904	US19990275775	19990325
US19980172599	19981015	WO1999CA00248	19990325	WO1999CA00249	19990325

Family:

Publication number	Publication date	Application number	Application date
AT241245 E	20030615	AT19990910052T	19990325
AT242573 E	20030615	AT19990908727T	19990325
AU199928239 A1	19991018	AU19990028239	19990325
AU199929174 A1	19991018	AU19990029174	19990325
CA2228403 AA	19990802	CA19982228403	19980202
CA2233047 AA	19990802	CA19982233047	19980325
CA2233047 C	20000926	CA19982233047	19980325
CA2235030 AA	19990802	CA19982235030	19980414
CA2237939 AA	19980828	CA19982237939	19980629
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Agent(s): SMART AND BIGGAR; NA

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

International class (IPC 8–9): A45C1/06 A45C13/18 A47K3/28 A61B5/00 A61F2/14 A61H33/00 A63F13/80 A63F9/00 A63F9/24 A63H30/04 B62D1/00 B64F1/36 E03C1/05 E03D3/00 E03D5/10 E03D9/00 E04H1/12 E05B47/00 E05B65/00 G02B23/12 G02B27/00 G02B27/01 G02B27/18 G02B27/20 G02C1/00 G02C11/00 G02C11/04 G02C11/06 G02C7/02 G02C7/04 G02C7/10 G02C9/00 G02F1/01 G03B1/00 G03B13/02 G03B13/04 G03B13/06 G03B13/16 G03B15/02 G03B15/05 G03B15/08 G03B17/18 G03B17/48 G03B17/56 G03B19/00 G03B29/00 G03B33/08 G03B43/00 G03B7/00 G04G21/04 G04G9/00 G04G99/00 G05B11/16 G05B19/00 G05B23/00 G05B23/02 G05D1/00 G05D7/06 G06F1/16 G06F17/00 G06F19/00 G06F3/00 G06F3/01 G06F3/02 G06F7/00 G06F7/04 G06K19/00 G06K9/00 G06K9/20 G06K9/36 G06T1/00 G06T5/50 G06T7/00 G07C9/00 G07F7/02 G07F7/12 G07G1/00 G07G1/12 G08B13/00 G08B13/196 G08B15/00 G08B19/00 G08B21/00 G08B21/02 G08B21/08 G08B23/00 G08B25/00 G08B29/00 G08C19/00 G09G3/00 G09G3/32 G09G5/00 G21F9/00 H04B1/00 H04B3/00 H04L12/16 H04L9/14 H04L9/28 H04L9/32 H04N5/00 H04N5/222 H04N5/225 H04N5/232 H04N5/243 H04N5/247 H04N5/30 H04N5/335 H04N5/77 H04N7/00 H04N7/14 H04N7/15 H04N7/18 H04N9/12 H04Q1/00 H04Q9/00 H04R1/40 H04R25/00 (Advanced/Invention); A63H30/04 G02B27/00 G06T1/00 H04N5/92 H04N7/15 (Advanced/Non–invention); A45C1/00 A45C13/00 A47K3/28 A61B5/00 A61F2/14 A63F9/00 A63H30/00 B62D1/00 B64F1/00 E03D3/00 E03D5/00 E03D9/00 E04H1/12 E05B47/00 E05B65/00 G02B27/00 G02B27/01 G02B27/18 G02B27/20 G02C1/00 G02C11/00 G02C7/00 G02C7/02 G02C7/04 G02C9/00 G02F1/01 G03B1/00 G03B13/02 G03B13/04 G03B13/06 G03B13/16 G03B15/02 G03B15/05 G03B15/08 G03B17/48 G03B17/56 G03B19/00 G03B29/00 G03B33/00 G04G1/00 G04G9/00 G05B11/01 G05B19/00 G05B23/00 G05B23/02 G05D1/00 G05D7/06 G06F1/16 G06F19/00 G06F3/00 G06F3/01 G06F3/02 G06F7/00 G06F7/02 G06K19/00 G06K9/00 G06K9/20 G06K9/36 G06T1/00 G06T5/50 G06T7/00 G07C9/00 G07F7/00 G07G1/00 G07G1/12 G08B13/00 G08B19/00 G08B21/00 G08B23/00 G08B25/00 G08B29/00 G08C19/00 G09G3/00 G09G3/32 G09G5/00 G21F9/00 H04B1/00 H04B3/00 H04L9/14 H04L9/28 H04L9/32 H04N5/00 H04N5/222 H04N5/225 H04N5/232 H04N5/243 H04N5/247 H04N5/30 H04N5/77 H04N7/00 H04N7/15 H04N7/18 H04N9/12 H04Q1/00 H04Q9/00 H04R1/40 H04R25/00 (Core/Invention); A63H30/00 (Core/Non–invention)

International class (IPC 1–7): A45C1/06 A45C13/18 A47K3/28 A61B5/00 A61F2/14 A61H33/00 A63F9/00 A63F9/24 B62D1/00 B64F1/36 E03C1/05 E03D11/00 E03D3/00 E03D5/10 E03D9/00 E05B47/00 E05B65/00 G02B23/12 G02B27/00 G02B27/01 G02B27/18 G02B27/20 G02C1/00 G02C11/00 G02C11/04 G02C11/06 G02C7/02 G02C7/04 G02C7/10 G02C9/00 G02F1/01 G03B1/00 G03B13/02 G03B13/04 G03B13/06 G03B13/16 G03B15/02 G03B15/05 G03B15/08 G03B17/48 G03B17/56 G03B19/00 G03B29/00 G03B33/08 G05B11/16 G05B19/00 G05B23/00 G05B23/02 G05D7/06 G06F1/16 G06F15/00 G06F17/00 G06F17/40 G06F17/60 G06F3/00 G06F3/02 G06F3/14 G06F7/00 G06F7/04 G06K19/00 G06K5/00 G06K9/00 G06K9/20 G06K9/36 G06T1/00 G06T5/50 G06T7/00 G07G1/00 G07G1/12 G08B13/00 G08B19/00 G08B21/00 G08B21/02 G08B21/08 G08B23/00 G08B25/00 G08B29/00 G08C19/00 G09G3/00 G09G3/32 G09G5/00 H04B1/00 H04B3/00 H04L12/16 H04L9/14 H04L9/28 H04L9/32 H04N5/00 H04N5/222 H04N5/225 H04N5/232 H04N5/243 H04N5/247 H04N5/30 H04N5/77 H04N7/00 H04N7/15 H04N7/18 H04N9/12 H04Q1/00 H04Q9/00 H04R1/40 H04R25/00

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European class: A47K3/28C3 A63H30/04 B62D1/00 B64F1/36C E03C1/05 E03C1/05D2 E03D5/10B E03D9/00D E04H1/12F G02B27/01 G02B27/01A G02B27/01C G02B27/01C1 G04G21/04 G04G9/00F G05D1/00C G05D1/00C1 G05D1/00C5 G06F1/16P3 G06F1/16P5 G06F1/16P6 G06F1/16P9D5S G06F1/16P9P2 G06F19/00A G06F19/32C G06F3/00B8 G06F3/01B G06F3/038L G06Q10/101 G06Q20/343 G06Q30/0641 G07C9/00B6D4 G07F7/02 G07F7/08 G07F7/12 G07G1/00C2P G07G1/12 G08B13/196A5 G08B13/196C1 G08B13/196C2 G08B13/196L1D G08B13/196N3 G08B13/196S2 G08B13/196U4 G08B15/00B G08B15/00C G08B21/24H G21F9/00B H04N5/225C H04N5/232V H04N5/235N H04N5/33D H04N5/77B H04N7/14A H04N7/14A2 H04N7/14A3 H04N7/15 H04N7/18 H04N7/18D H04N7/18D2 K47K210/00 K63H30/04 S02B27/01A10 S02B27/01A4 S02B27/01A9A S02B27/01C3 S02B5/30 S05D201/0214 S06F19/34A S06F200/1632 T04N5/92N6

US class: 235/380 235/382 340/3.3 340/3.300P 340/33 340/5.3 340/5.300P 340/5.53 340/5.530S 340/5.81 340/5.810S 340/53 345/7 345/8 345/8P 345/8S 345/9 348/115 348/143 348/143P 348/207 348/207.1 348/211 348/E7.087 348/E70.87S 396/374 396/374P 396/661 396/661P 4/300 4/300P 702/187 702/187P

Locarno class: 00/43

Classification Explorer

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Forward Citations: WO17083265, WO17032922, WO16196200, WO16118309, WO16107921, WO15160345, WO15057523, WO15047593, WO14178212, WO14170292, WO14088761, WO13052274, WO13052259, WO12164155, WO12126811, WO12027426, WO10138307, WO10138307, WO10042078, WO10042078, WO09094643, WO09083427, WO09082810, WO09001344, WO09001344, WO08153992, WO08101897, WO08082947, WO07007278, WO07007278, WO06084978, WO05071500, WO05071500, WO05018219, WO05018219, WO03054778, WO0231945, WO0231945, WO0215560, WO0215560, WO02097717, WO02097717, USRE46360, USRE45416, USRE45398, USRE43601, USRE43157, USD792400, USD770143, USD768024, USD641351, USD582631, USD547346, US9720260, US9720258, US9720241, US9720240, US9720235, US9717633, US9715805, US9715238, US9710130, US9699281, US9697746, US9697721, US9696564, US9691299, US9690121, US9685689, US9685099, US9684172, US9684171, US9677901, US9662054, US9658473, US9658454, US9654674, US9654563, US9652892, US9651787, US9651783, US9646565, US9646444, US9637051, US9636016, US9632514, US9629774, US9628552, US9619201, US9615235, US9609932, US9609902, US9607189, US9586318, US9585431, US9581883, US9578307, US9576460, US9572522, US9569001, US9568998, US9568173, US9560419, US9560314, US9551871, US9547184, US9542858, US9526292, US9526287, US9523865, US9521405, US9519894, US9501176, US9500883, US9500865, US9494807, US9492118, US9491365, US9488853, US9488520, US9485471, US9485459, US9483959, US9477317, US9468988, US9454752, US9451068, US9449340, US9442307, US9439563, US9429990, US9413939, US9411173, US9411172, US9405135, US9404278, US9398868, US9394675,

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Abstract:
Source: US2002007510A Image sensors, processors, and control systems facilitate automatic sensor operated bathroom fixtures, systems for controlling bathroom fixtures, and methods of bathroom fixture design, control, and management, as well as the control and management of hygiene and water resources. The networked plumbing systems also help facility managers and law enforcement personnel monitor the operation of various bathrooms in a facility or at remote facilities. Image sensors are used for controlling several showers, faucets, urinals, or water closets in large bathroom complexes. Image based intelligent bathroom fixtures and systems help enhance the privacy of users by ensuring that law abiding users need not be disturbed by police foot patrols into the restroom areas, or by security guards entering simply to make inspections. An aquionics bathroom control system of the invention maintains the cleanliness, safety, security, and privacy of the occupants in a smart bathroom environment. Additionally, in some embodiments, a bathroom facility of the invention may be used for mass decontamination during times of emergency for processing victims of a nuclear, biological, or chemical incident. Once ubiquitously installed for routine control of fixtures, the apparatus facilitates a secondary usage such as monitoring by triage staff, medical personnel, decontamination officers, or law enforcement officers during times of terrorist consequence management.

0) WO16041925A1 – BENZYL SUBSTITUTED INDAZOLES INDAZOLES A SUBST...

59) Family number: 61913061 (WO16041925A1) © PatBase

Title: BENZYL SUBSTITUTED INDAZOLES

Priority: EP20140185599 20140919 EP20140185839 20140922 WO2015EP71021 20150915

Family:

Publication number	Publication date	Application number	Application date
AR101971 AA	20170125	AR2015P103016	20150918
CA2961570 AA	20170316	CA20152961570	20150915
EP3194378 A1	20170726	EP20150763573	20150915
TW201625592 A	20160716	TW20150131022	20150918
WO16041925 A1	20160324	WO2015EP71021	20150915

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Agent(s): FETHERSTONHAUGH AND CO; BIP PATENTS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A61K31/416 A61K31/4439 A61K31/444 A61K31/506 A61K31/519 A61P35/00 A61P35/02 A61P35/04 C07D401/14 C07D403/04 C07D405/14 C07D413/14 C07D417/14 C07D471/04 C07D487/04 C07D491/048 C07D491/052 C07D495/04 (Advanced/Invention)

CPC: C07D401/14 C07D403/04 C07D413/14 C07D417/14

Classification Explorer

Cited documents: WO14147204 A1, WO14147203 A1, WO13050438 A1,

Forward Citations: US9682974,

Abstract:
Compounds of formula (I) and their use as pharmaceuticals.

0) US2014291334A – WATER COOLER APPARATUS AND ACCESSORIES

60) Family number: 57486353 (US2014291334A) © PatBase

Title: WATER COOLER APPARATUS AND ACCESSORIES

Priority: US20130794809P 20130315 US20140216731 20140317

Family:

Publication number	Publication date	Application number	Application date
US2014291334 AA	20141002	US20140216731	20140317

Probable Assignee: RHP MULTIMEDIA CORP

Assignee(s):(std)**:** RHP MULTIMEDIA CORP

Inventor(s):(std)**:** PALMERI JOHN

International class (IPC 8–9)**:** F25D31/00 (Advanced/Invention)

CPC: B67D3/0035 B67D3/0009

US class: 220/592.18

Classification Explorer

Cited documents: US5454492 A, US4895418 A, US3262596 A, US2011259765 AA,

Abstract:
Source: US2014291334A A water cooler apparatus can be configured to be removably positioned on the top surface of a water cooler bottle. The water cooler apparatus can define at least one compartment that is configured to receive at least one type of item.

0) US2005224236A – TRANSPORT PUMPER

61) Family number: 32301195 (US2005224236A) © PatBase

Title: TRANSPORT PUMPER

Priority: US20040817669 20040405 US20060360894 20060224 US20090387846 20090508

Family:

Publication number	Publication date	Application number	Application date
US2005224236 AA	20051013	US20040817669	20040405
US2006137886 AA	20060629	US20060360894	20060224
US2009218108 AA	20090903	US20090387846	20090508
US7530403 BB	20090512	US20060360894	20060224

Probable Assignee: CITY OF HIALEATH

Assignee(s):(std)**:** CANO MIGUEL J ; CITY OF HIALEAH

Assignee(s): CITY OF HIALEATH

Inventor(s):(std)**:** CANO MIGUEL J

Inventor(s): CANO MIGUEL

Agent(s): ROBERT J VAN D WALL PENTHOURSE GABLES ONE TOWER; ROBERT J VAN D WALL GABLES ONE TOWER; ROBERT J VAN D WALL GRAND BAY PLAZA; WALL ROBERT J VAN D; ROBERT J

International class (IPC 8–9): A01G25/09 A61G3/00 A62C25/00 A62C27/00 B05B9/00 E01C19/16 E01H3/02 (Advanced/Invention); A62C27/00 (Core/Invention)

International class (IPC 1–7): A62C27/00

CPC: A62C27/00 A61G3/003

European class: A62C27/00

US class: 169/24 169/24P 169/52 169/52S 239/146 239/146S 239/147 239/172 296/19

Classification Explorer

Cited documents: US7530403 BB, US6029750 A, US5785372 A, US5573300 A, US5467827 A, US5245930 A, US5178432 A, US5082082 A, US4830421 A, US4678041 A, US4037664 A, US2037774 A, US2003102685 AA,

Forward Citations: WO13134750, WO13134748, WO12148361, WO12106209, WO12106209, WO08063871, WO08063871, US9677334, US9597536, US9580962, US9580960, US9579530, US9561142, US9504863, US9492695, US9480868, US9456939, US9441577, US9427195, US9327150, US9295862, US9265979, US9186288, US9061169, US9061168, US9022263, US8899059, US8739892, US8555990, US8439416, US8371295, US8366167, US8132338, US8104814, US7762006, US7716850, US7213872, US2017166262, US2015048640, US2013233576, US2013233575, US2013186651, US2012138182, US2012049556, US2011259614, US2011080016, US2010052351, US2010044059, US2010031955, US2009218108, US2008034606, US2007289158, US2006065411, US2005115752, RU2547113, DE202014100545, CN106377360, CN103611228,

Abstract:
Source: US2005224236A The present invention discloses and claims a single vehicle that has full fire fighting capability in combination with full medical rescue and transport capability. Provided is a transport pumper of conventional design having a crew cab with four entrances, a large capacity fire pump, a tank containing a quantity of water, another tank containing a quantity of foam, a substantial length and diameter of fire hose, ground ladders, a side controlled pump operator's panel, and all other necessary equipment to be in substantial compliance with NFPA Standard 1901. Provided on the same chassis as the pumper is a transporter including rear entry double doors for patients, a rear dump capability, two patient carrying capabilities, air conditioning, a side entrance door and all necessary equipment be in substantial compliance with federal standard KKK–A–1822E for a rescue transport. The transport is modified only to the extent necessary to accommodate ground ladders and a hose bed on the top of the transport. The vehicle concept is one of a modular design using standardized equipment already familiar to fire rescue personnel which can be readily refurbished and replaced with conventional equipment at minimal cost.

62) Family number: 55374830 (US2015158862A) © PatBase

Title: 1,3–DIHYDRO–2H–BENZIMIDAZOL–2–ONE DERIVATIVES SUBSTITUTED WITH HETEROCYCLES AS RESPIRATORY SYNCYTIAL VIRUS ANTIVIRAL AGENTS

Priority: EP20120172273 20120615 EP20130730845 20130614 WO2013EP62325 20130614

Family:

Publication number	Publication date	Application number	Application date
AU2013276521 AA	20131219	AU20130276521	20130614
CA2873925 AA	20141118	CA20132873925	20130614
CN104540816 A	20150422	CN201380031056	20130614
EA201590021 A1	20150430	EA20150090021	20130614
EP2864319 A1	20150429	EP20130730845	20130614
JP2015519387 T2	20150709	JP20150516623T	20130614
KR20150032283 A	20150325	KR20157000516	20130614
US2015158862 AA	20150611	US20130407172	20130614
WO13186335 A1	20131219	WO2013EP62325	20130614

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Assignee(s):(std)**:** JANSSEN SCIENCES IRELAND UC ; JANSSEN R AND D IRELAND

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Inventor(s): VENDEVILLE SANDRINE MARIE HELENEBE ; TAHRI ABDELLAHBE ; RABOISSON PIERRE JEAN MARIE BERNARDBE ; JONCKERS TIM HUGO MARIABE ; HU LILIBE

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; VERBERCKMOES FILIP GERARD; KOBAYASHI SUMIKO; OHMORI NORIO; KOBAYASHI HIROSHI; VERBERCKMOES FILIP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/4184 A61K31/437 A61P31/12 A61P31/14 C07D403/06 C07D471/04 (Advanced/Invention)

CPC: C07D471/04 C07D403/06 A61K31/4184 A61K31/437

US class: 514/300 514/303 514/387 546/113 546/118 548/305.1

Classification Explorer

Cited documents: WO12080451 A1, WO12080450 A1, WO12080449 A1, WO12080447 A1, WO08147697 A1, WO0195910 A1, US9051317 BB, US8921560 BB, US8846672 BB, US6489338 BB,

Forward Citations: WO16022464, US2016251377,

Abstract:
Source: US2015158862A The present invention is concerned with novel 4–substituted 1,3–dihydro–2H–benzimidazol–2–one derivatives substituted with heterocycles having formula (I) tautomers and stereoisomeric forms thereof, and the pharmaceutically acceptable addition salts, and the solvates thereof, wherein R4, R5, Z and Het have the meaning defined in the claims. The compounds according to the present invention are useful as inhibitors on the replication of the respiratory syncytial virus (RSV). The invention further concerns the preparation of such novel compounds, compositions comprising these compounds, and the compounds for use in the treatment of respiratory syncytial virus infection.

0) US2002171079A – MICROELECTRONIC COMPONENTS AND ELECTRONIC NETWO...

63) Family number: 28295319 (US2002171079A) © PatBase

Title: MICROELECTRONIC COMPONENTS AND ELECTRONIC NETWORKS COMPRISING DNA

Priority: EP19980932493 19980714 EP20040077478 19980714 IL19970121312 19970714 US20040985961 20041112 US20000462171 20000327 US20150746244 20150622 WO1998IL00329 19980714 WO1998IL00329 19990128

Family:

Publication number	Publication date	Application number	Application date
AU199882397 A1	19990210	AU19980082397	19980714
AU749432 B2	20020627	AU19980082397	19980714
CA2296085 AA	20000112	CA19982296085	19980714
CA2296085 C	20081007	CA19982296085	19980714
CN1264498 A	20000823	CN19988007205	19980714
CN1327539 C	20070718	CN19988007205	19980714
DE69843535 D1	20160609	DE19986043535	19980714
EP0998759 A1	20000510	EP19980932493	19980714
EP1492172 A1	20041229	EP20040077478	19980714
EP1492172 B1	20160427	EP20040077478	19980714
IL121312 A0	19980104	IL19970121312	19970714
IL121312 A1	20010913	IL19970121312	19970714
JP2001510922 T2	20010807	JP20000503562T	19980714
JP4611515 B2	20110112	JP20000503562T	19980714
RU2000103269 A	20020310	RU20000103269	19980714
RU2213393 C2	20030927	RU20000103269	19980714
US2002171079 AA	20021121	US20000462171	20000327
US2005214806 AA	20050929	US20040985961	20041112
US2015372245 AA	20151224	US20150746244	20150622
US6946675 BB	20050920	US20000462171	20000327
WO9904440 A1	19990128	WO1998IL00329	19980714

Probable Assignee: TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LTD

Assignee(s):(std): BRAUN EREZ ; CHEN JOAV ; EICHEN YOAV ; TECHNION RES AND DEV FOUNDATION ; SIVAN URI ; TEKNION RISERCH EHND DIVELOPME ; IVAN URI BEN DZHOZEF GDAL JAKH ; BEN JOSEPH GDALYAHN ; BEN JOSEPH GDALYAHU

Assignee(s): BEN YOSEPH GDALYAHU ; TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LTD ; EREZ BRAUN ; GDALYAHU BEN JOSEPH ; TECHNION RESEARCH AND DEVELOPMENT FOUNDATION ; TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LIMIT ; TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LIMITED ; TEKNION RISERCH EHND DIVELOPMENT FAUNDEJSHN LTD, SIVAN URI, BEN−DZHOZEF GDAL'JAKHU, BRAUN EHREZ, EHJCHEN JOAV ; EICHEN YOAV DR ; YOAV EICHEN ; URI SIVAN

Inventor(s):(std): BRAUN EHREZ ; EHJCHEN JOAV ; BEN DZHOZEF GDAL JAKHU ; BEN JOSEPH GDALYAHN ; SIVAN EREZ BRAUN YOAV EICHEN U ; SIVAN URI ; EICHEN YOAV ; BRAUN EREZ ; BEN JOSEPH GDALYAHU ; BEN YOSEPH GDALYAHU

Inventor(s): URI SIVAN ; YOAV EICHEN ; BEN−DZHOZEF GDAL'JAKHU ; EREZ BRAUN ; EREZ BRAUN YOAV EICHEN URI SIVAN ; GDALYAHU BEN JOSEPH ; GDALYAHU BEN YOSEPH

Agent(s): GRIFFITH HACK; OGILVY RENAULT LLP SENCRL SRL; RAMEY DANIEL; REINHOLD COHN AND PARTNERS; ASAHINA SOHTA; DICKSTEIN SHAPIRO MORIN AND OSHINSKY LLP; NIXON PEABODY LLP

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT

RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

International class (IPC 8–9): C12Q1/68 G06F15/80 G06N3/12 G11C13/00 G11C13/02 H01L21/00 H01L21/70 H01L25/00 H01L27/28 H01L29/66 H01L49/00 H01L51/00 H01L51/05 H01L51/10 H01L51/20 H01L51/30 H01L51/40 (Advanced/Invention); C12Q1/68 H01L21/00 H01L29/66 H01L49/00 H01L51/05 (Advanced/Non–invention)

International class (IPC 1–7): C12Q1/68 G06F15/16 G06F15/80 G06N3/12 H01L21/00 H01L35/24 H01L49/00 H01L51/00 H01L51/20

CPC: H01L51/0002 H01L51/0093 B82Y10/00 G06N3/123 G11C13/0014 G11C13/0019 H01L51/0036 H01L51/0038 H01L51/0062 H01L51/0595

European class: B82Y10/00 G06N3/12D G11C13/00R5C G11C13/00R5C4 G11C13/02 G11C13/02N H01L51/00M14 H01L51/05D10 H01L51/20F H01L51/30P T01L51/00M2B2 T01L51/00M2B4 T01L51/00M6H T01L51/30D2B T01L51/30D2D

US class: 257/213 257/40 257/40P 257/565 257/746 257/746S 257/E51.023 257/E51.029 257/E51.031 257/E51.045 435/6 435/6.1 435/6.100S 435/6.12 435/6.120P 435/6P 438/1 438/1S 438/99

Classification Explorer

Cited documents: WO9960165 A1, WO9957550 A1, WO9936573 A1, WO9935256 A1, WO9929711 A1, WO9853841 A1, WO9831839 A2, WO9744651 A1, WO9630508 A1, WO9520320 A1, WO9405045 A1, WO9325003 A1, WO9005300 A1, WO0025136 A1, US6399303 BA, US6306584 BA, US6291188 BA, US6248529 BA, US6210880 BA, US6093370 A, US6087100 A, US6071699 A, US6060023 A, US6051380 A, US6013170 A, US5993632 A, US5985550 A, US5965133 A, US5952172 A, US5948897 A, US5946550 A, US5914505 A, US5891630 A, US5876976 A, US5874046 A, US5858659 A, US5837546 A, US5824473 A, US5787332 A, US5787032 A, US5780234 A, US5770369 A, US5739308 A, US5707845 A, US5705348 A, US5653959 A, US5605662 A, US5563424 A, US5561071 A, US5561071, US5561043 A, US5445934 A, US5312527 A, US5284748 A, US5156810 A, US5089545 A, US5063417 A, US4826784 A, US4822566 A, US4703016 A, US4314821 A, US3833894 A, JP4148669 A2, EP0491059 A1, EP0444840 A1, EP0364208 A1,

Forward Citations: WO16160311, WO13040190, WO05065290, WO05065290, WO04057685, WO04057685, WO03041182, WO03041182, WO02095840, WO0209175, WO0209175, WO02091495, WO02091495, WO02082544, WO02082544, WO02074985, WO02074985, WO0203482, WO0194640, WO0194640, WO0157939, WO0157939, WO0060125, WO0060125, US9541517, US9410889, US9356247, US9275871, US9267908, US9114377, US8735313, US8293591, US8227582, US7977177, US7952173, US7892517, US7851149, US7834344, US7724541, US7456508, US7432120, US7428719, US7368263, US7364920, US7183141, US7179638, US7176482, US7138281, US7138281, US7113420, US7056748, US7056664, US7012276, US7007370, US6887701, US6884587, US6873540, US6864522, US6858481, US6855977, US6846635, US6844608, US6838720, US6815286, US6809955, US6806526, US6798000, US6781868, US6777982, US6768157, US6713309, US6664103, US6653151, US6627944, US6593090, US6399303, US6248529, US2015004599, US2014079592, US2013262818, US2011171629, US2010179054, US2010093160, US2009305909, US2007235760, US2006211136, US2006117291, US2006019273, US2005164371, US2004087052, US2004033626, US2003203394, US2003018179, RU2509157, JP2012004589, JP2005335054, JP2004533116, GB2412370, GB2412370, EP1630881, EP1579516, EP1438438, EP1299914, EP1283526, EP1209695, EP1080229, DE19926457,

Abstract:
Source: US2002171079A A microelectronic network is fabricated on a fibrous skeleton by binding or complexing electronically functional substances to the nucleic acid skeleton. The skeleton comprises fibers with nucleotide chains. The assembly of the fibers into a network is based on interactions of nucleotide chain portions of different fibers

0) US2007213939A – METHOD AND APPARATUS FOR CORRELATING LEVELS OF ...

64) Family number: 34404640 (US2007213939A) © PatBase

Title: METHOD AND APPARATUS FOR CORRELATING LEVELS OF BIOMARKER PRODUCTS WITH DISEASE

Priority:

AU20060304883	20061023	AU20130205891	20130516	EP20060836517	20061023
JP20080536621	20061023	US20050729055P	20051021	JP20080536621T	20061023
US20060091049	20061023	WO2006US41600	20061023	US20120566394	20120803
US20060585666	20061023	US20060758418P	20060112	US20150597200	20150114

Family:

Publication number	Publication date	Application number	Application date
AT518007 E	20110815	AT20060836517T	20061023
AU2006304883 AA	20070426	AU20060304883	20061023
AU2013205891 AA	20130606	AU20130205891	20130516
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CN101370946 A	20090218	CN200680048807	20061023
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EP1945816 A1	20080723	EP20060836517	20061023
EP1945816 B1	20110727	EP20060836517	20061023
EP2319941 A2	20110511	EP20110150414	20061023
EP2319941 A3	20110817	EP20110150414	20061023
HK1128310 A1	20111209	HK20090107342	20090810
JP2009512440 T2	20090326	JP20080536621T	20061023
JP2013150612 A2	20130808	JP20130034252	20130225
JP5237817 B2	20130717	JP20080536621T	20061023
TW200730825 A	20070816	TW20060138974	20061023
US2007213939 AA	20070913	US20060585666	20061023
US2009208942 AA	20090820	US20060091049	20061023
US2013013214 AA	20130110	US20120566394	20120803
US2015191796 AA	20150709	US20150597200	20150114
US8239136 BB	20120807	US20060585666	20061023
US8249814 BB	20120821	US20060091049	20061023
WO07048074 A1	20070426	WO2006US41600	20061023
WO07048074 B1	20070628	WO2006US41600	20061023

Probable Assignee: GENENEWS INC

Assignee(s):(std)**:** HAN MARK ; LIEW CHOONG CHIN ; ZHENG RUN ; ZHANG HONGWEI ; YAGER THOMAS ; CHAO SAMUEL ; GENENEWS INC

Assignee(s): GENENEWS LTD

Inventor(s):(std)**:** CHAO SAMUEL ; CHOONG CHIN LIEW ; HAN MARK ; MARK HAN ; RUN ZHENG ; SAMUEL CHAO ; HONGWEI ZHANG ; LIEW CHOONG CHIN ; THOMAS YAGER ; YAGER THOMAS ; ZHANG HONGWEI ; ZHENG RUN

Inventor(s): ZHENG RUN RICHMOND HILL ONTARIO ; ZHANG HONGWEI TORONTO ONTARIO ; YAGER THOMAS MISSISSAUGA ONTARIO ; LIEW CHOONG CHIN TORONTO ONTARIO ; THE DESIGNATION OF THE INVENTOR HAS NOT YET... ; HAN MARK NORTH YORK ONTARIO ; CHAO SAMUEL CONCORD ONTARIO

Agent(s): PHILLIPS ORMONDE FITZPATRICK; BORDEN LADNER GERVAIS LLP; BERESKIN AND PARR LLP SENCRL SRL; JONES DAY RECHTSANWAELTE PATENTANWAELTE; BRADY PAUL ANDREW ET AL; BRADY PAUL ANDREW; OSAKABE SUGURU; SHIMIZU HATSUSHI; FISH AND RICHARDSON PC

Designated states:

AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): G01N33/535 C12N15/09 C12Q1/68 C40B40/06 G01N33/48 G01N33/49 G01N33/50 G01N33/574 G06F19/00 G06F19/12 G06F19/20 G06F19/24 G06G7/48 (Advanced/Invention); C12N15/09 G01N33/574 (Advanced/Non–invention); C12N15/09 C12Q1/68 G01N33/49 G01N33/50 G06F19/00 G06G7/00 (Core/Invention); G01N33/574 (Core/Non–invention); C12Q (Subclass/Invention)

CPC: G06F19/12 G06F19/3431 C12Q2600/16 C12Q2600/158 C12Q1/6886 C12Q2600/112 C12Q2600/136 G06F19/18 G06F19/20 G06F19/24

European class: C12Q1/68M6B G06F19/18 M12Q600/112 M12Q600/136 S06F19/20 S06F19/24

US class: 435/6 435/6.1 435/6.12 435/6.120P 435/6.14 435/6P 436/63 436/64 506/16 506/9 702/189 702/19 702/20 702/20P 703/11 703/11S 703/2

Classification Explorer

Cited documents: WO9952563 A1, WO9951773 A1, WO9850433 A2, WO9846645 A2, WO9824893 A2, WO9816654 A1, WO9713844 A1, WO9634096 A1, WO9633735 A1, WO9520401 A1, WO9515982 A2, WO9425591 A1, WO9412649 A2, WO9410300 A1, WO9408598 A1, WO9404678 A1, WO9320221 A1, WO9317105 A1, WO9314188 A1, WO9311236 A1, WO9222635 A1, WO9222324 A1, WO9220316 A2, WO9218619 A1, WO9206180 A1, WO9201047 A1, WO9110741 A1, WO9110737 A1, WO9109967 A1, WO9002809 A1, WO8910134 A1, WO8810315 A1, WO8809810 A1, WO200479368, WO200425251, WO200402294, WO05077065 A2, WO05024054 A1, WO05001142 A2, WO04079368 A2, WO04079368, WO04029627 A1, WO04025251 A2, WO04025251, WO04002294 A2, WO04002294, WO0244403 A2, WO0144301 A1, WO0140803 A1, USRE32011 E, US8901025, US8700880, US6638722 BB, US6617170 BB, US6551784 BB, US6407213 BA, US6406921 BA, US6331415 BA, US6329179 BA, US6245527 BA, US6221592 BA, US6194612 BA, US6190619 BA, US6005079 A, US6004534 A, US5969108 A, US5939598 A, US5849992 A, US5821047 A, US5814318 A, US5807715 A, US5780225 A, US5766886 A, US5762904 A, US5750753 A, US5733743 A, US5712124 A, US5698426 A, US5679524 A, US5661016 A, US5658727 A, US5648211 A, US5633425 A, US5625126 A, US5585089 A, US5580717 A, US5571698 A, US5569825 A, US5565332 A, US5545806 A, US5530101 A, US5516637 A, US5455166 A, US5436146 A, US5427908 A, US5413923 A, US5403484 A, US5283317 A, US5279721 A, US5225539 A, US5223409 A, US5179017 A, US5116742 A, US4987071 A, US4980286 A, US4902614 A, US4816567 A, US4816397 A, US4716111 A, US4634665 A, US4543439 A, US4522811 A, US4444887 A, US4411993 A, US4399216 A, US4366241 A, US4277437 A, US4275149 A, US4196265 A, US4016043 A, US3996345 A, US3939350 A, US3850752 A, US3817837 A, US3654090 A, US2007213939 AA, US2005260638 AA, US2005191634 AA, US2005191634, US20050191634, US2004063120 AA, US2004018200 AA, US2003186303 AA, US2003134307 AA, JP2002518021 T2, JP2002518021, GB9101134, GB2202328 A1, EP0592106 A1, EP0519596 A1, EP0329822 A2, EP0320308 A2, EP0239400 A2,

Forward Citations: WO17027475, WO16172730, WO16129601, WO15195949, WO13102187, WO13066641, WO13045464, WO12156530, WO12156529, WO12016021, WO12016021, WO11144718, WO11144718, WO11089197, WO10100113, WO09125303, WO09125303, WO09068481, US9651639, US9476882, US9208405, US8921074, US8697350, US8249814, US8105816, US2013320975, US2013303409, US2011161257, US2010151588, US2009208942, US2008240983, TWI485252, JP2016048570, JP2014509189, JP2013533288, JP2011517941, JP2011040133, JP2007240067, EP2868754, EP2668296, EP2544006, EP2524968, EP2524967, EP2388336, EP2348131, CN103328971, CN102822333,

Abstract:
Source: US2007213939A In one aspect the invention is a method of testing for one or more colorectal pathologies or one or more subtypes of colorectal pathology (in one embodiment colorectal cancer) in a test individual by providing data corresponding to a level of products of selected biomarkers and applying the data to a formula to provide an indication of whether the test individual has one or more colorectal pathologies or one or more subtypes of colorectal pathology. In some aspects the method is computer based and a computer applies the data to the formula. In other aspects a computer system is configured with instructions that cause the processor to provide a user with the indication of whether the test individual has colorectal pathology. Also encompassed are kits for measuring data corresponding to the products of selected biomarkers which in some embodiments include a computer readable medium. Also encompassed are kits and methods of monitoring therapeutic efficacy of treatments for one or more colorectal pathologies.

0) US2002028449A – 26 HUMAN SECRETED PROTEINS

65) Family number: 28307906 (US2002028449A) © PatBase

Title: 26 Human secreted proteins

Priority: US19990137725P 19990607 US20000726643 20001201 US20020042141 20020111 US20040919272 20040817 WO2000US15187 20000602

Family:

Publication number	Publication date	Application number	Application date
AU200054583 A5	20001228	AU20000054583D	20000602
CA2383828 AA	20011122	CA20002383828	20000602
EP1206573 A1	20020522	EP20000939504	20000602
EP1206573 A4	20040804	EP20000939504	20000602
JP2003501072 T2	20030114	JP20010501653T	20000602
US2002028449 AA	20020307	US20000726643	20001201
US2002183503 AA	20021205	US20020042141	20020111
US2005010042 AA	20050113	US20040919272	20040817
WO0075375 A1	20001214	WO2000US15187	20000602

Probable Assignee: HUMAN GENOME SCIENCES INC

Assignee(s):(std)**:** BIRSE CHARLES E ; DUAN ROXANNE D ; EBNER REINHARD ; FLORENCE KIMBERLY A ; HUMAN GENOME SCIENCES INC ; OLSEN HENRIK S ; RUBEN STEVEN M ; SOPPET DANIEL R ; ROSEN CRAIG A ; SHI YANGGU ; LAFLEUR DAVID W ; OLSEN HENRIK ; NI JIAN ; YOUNG PAUL E ; YOUNG PAUL

Inventor(s):(std)**:** BIRSE CHARLES E ; FLORENCE KIMBERLY A ; LAFLEUR DAVID W ; NI JIAN ; OLSEN HENRIK ; OLSEN HENRIK S ; DUAN ROXANNE D ; EBNER REINHARD ; ROSEN CRAIG A ; RUBEN STEVEN M ; SHI YANGGU ; SOPPET DANIEL R ; YOUNG PAUL ; YOUNG PAUL E

Inventor(s): BIRSE CHARLES ; STEVEN M RUBEN ; YANGGU SHI ; SOPPET DANIEL ; ROXANNE D DUAN ; RUBEN STEVEN ; FLORENCE KIMBERLY ; PAUL E YOUNG ; REINHARD EBNER ; ROSEN CRAIG ; HENRIK S OLSEN ; JIAN NI ; KIMBERLY A FLORENCE ; LAFLEUR DAVID ; CHARLES E BIRSE ; CRAIG A ROSEN ; DANIEL R SOPPET ; DAVID W LAFLEUR ; DUAN ROXANNE

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP; HUMAN GENOME SCIENCES INC INTELLECTUAL PROPERTY DEPT

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): A61K31/711 A61K38/00 A61P1/04 A61P11/06 A61P13/12 A61P15/00 A61P17/06 A61P19/02 A61P27/02 A61P29/00 A61P31/04 A61P35/00 A61P37/00 A61P37/06 A61P7/00 C07H21/02 C07K14/47 C07K16/18 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/12 C12N5/10 C12P21/02 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 (Advanced/Invention); A61K31/711 A61K38/00 A61P15/00 A61P29/00 A61P35/00 A61P37/00 A61P7/00 C07K16/18 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/10 C12P21/02 G01N33/15 G01N33/50 G01N33/53 (Advanced/Non–invention)

International class (IPC 1–7): A61K31/711 A61K38/00 A61P1/04 A61P11/06 A61P13/12 A61P15/00 A61P17/06 A61P19/02 A61P27/02 A61P29/00 A61P31/04 A61P35/00 A61P37/00 A61P37/06 A61P7/00 C07H21/02 C07H21/04 C07K14/47 C07K16/18 C07K5/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/12 C12N5/06 C12N5/10 C12N9/00 C12P21/02 C12Q1/68 G01N33/15 G01N33/50 G01N33/53

CPC: C07K14/47 A61K38/00

European class: C07K14/47 K61K38/00 M07K203/00 M07K203/02 M07K205/00 M07K207/00 M07K215/00

US class: 435/183 435/183S 435/320.1 435/320.100S 435/325 435/325S 435/6 435/6.14 435/6.140P 435/6.140S 435/6.16 435/6.160S 435/69.1 435/69.100S 435/6P 435/6S 530/35 530/350 530/350S 530/388.1 530/388.100S 536/23.1 536/23.100S 536/23.2

536/23.200P

Classification Explorer

Cited documents: WO9906550, WO9854963, WO9840483 A2, US5350836 A, US5194596 A,

Forward Citations: WO05074647, WO03066097, WO03066097, WO0164856, WO0164856, US9410165, US8846888, US8288140, US7741466, US7608259, US7361495, US7135303, US2010197556, US2009089253, US2008206815, US2007036800, US2006052283, US2005191736,

Abstract:
Source: US2002028449A The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

0) US2005268472A – SHAVING SYSTEMS

66) Family number: 32475137 (US2005268472A) © PatBase

Title: SHAVING SYSTEMS

Priority: US20040863027 20040607

Family:

Publication number	Publication date	Application number	Application date
US2005268472 AA	20051208	US20040863027	20040607
WO05120782 A2	20051222	WO2005US19916	20050603
WO05120782 A3	20060608	WO2005US19916	20050603

Probable Assignee: GILLETTE CO

Assignee(s):(std)**:** BOURILKOV JORDAN T ; CINTRA GEORGE ; DAVIS STUART M ; GILICINSKI ANDREW G ; GILLETTE CO ; GUAY GORDON G ; SZCZEPANOWSKI ANDREW ; TROTTA ROBERT A

Assignee(s): THE GILLETTE COMPANY

Inventor(s):(std)**:** BOURILKOV JORDAN T ; CINTRA GEORGE ; DAVIS STUART M ; GILICINSKI ANDREW G ; GUAY GORDON G ; SZCZEPANOWSKI ANDREW ; TROTTA ROBERT A

Inventor(s): BOURILKOV JORDAN ; TROTTA ROBERT ; GUAY GORDON ; GILICINSKI ANDREW ; DAVIS STUART

Agent(s): FISH AND RICHARDSON PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A45D27/22 B26B19/38 B26B21/40 H02J7/00 H02J7/34 H02J7/35 (Advanced/Invention); H02J7/00 (Advanced/Non–invention); A45D27/00 B26B19/38 B26B21/00 H02J7/00 H02J7/34 H02J7/35 (Core/Invention); H02J7/00 (Core/Non–invention)

International class (IPC 1–7): B26B19/38 B26B21/40 H02J7/00 H02J7/34 H02J7/35

CPC: A45D27/22 B26B19/3873 B26B21/405 H02J7/0044 H02J7/0054

European class: A45D27/22 B26B19/38 B26B19/38E B26B21/40 T02J7/00E1 T02J7/00G1

US class: 30/537 30/537P

Classification Explorer

Cited documents: WO9708804 A1, US6481104 BA, US6441589 BA, US6301792 BA, US6143442 A, US5782346 A, US5299354 A, US4868732 A, US4847513 A, US4833337 A, US3896364 A, US3633089 A, US3611568 A, US2004061477 AA, US2003231001 AA, US2003226258 AA, US2003155887 AA, US2003101589 AA, GB1075139 A,

Forward Citations: WO14089688, WO08010426, WO07042985, WO07042985, USD611900, USD611899, USD611898, US9707690, US9687652, US9440065, US9132058, US8996137, US8821421, US8528213, US7938789, US7815582, US7749178, US7743506, US2014371812, US2013247395, US2011071445, US2010218380, US2009172948, US2009031566, US2008306417, US2007179414, US2007179413, US2007179412, US2006080839, JP2008023024, EP2941812, EP1990141, CN104981962, AU2013359927,

Abstract:
Source: US2005268472A Shaving systems and related methods are disclosed. In some embodiments, a shaving system includes a first electrical power source, a razor, and a second electrical power source in the razor, wherein the first electrical power source is capable of charging the second electrical power source.

0) US2012015930A – SUBSTITUTED IMIDAZOHETEROCYCLE DERIVATIVES

67) Family number: 45440710 (US2012015930A) © PatBase

Title: SUBSTITUTED IMIDAZOHETEROCYCLE DERIVATIVES

Priority: US20080121758P 20081211 US20090126201 20091201 WO2009US66172 20091201

Family:

Publication number	Publication date	Application number	Application date
US2012015930 AA	20120119	US20090126201	20091201
US8835422 BB	20140916	US20090126201	20091201
WO10068520 A2	20100617	WO2009US66172	20091201
WO10068520 A3	20100916	WO2009US66172	20091201

Probable Assignee: CARA THERAPEUTICS INC

Assignee(s):(std)**:** BECKETT R PAUL ; CARA THERAPEUTICS INC ; GUSTAFSON GARY R ; NEWCOM JASON S ; RALBOVSKY JANET L ; O CONNOR STEPHEN J ; LUO ROBERT XHIYONG ; LUO ROBERT ZHIYONG

Assignee(s): BECKETT R

Inventor(s):(std)**:** BECKETT R PAUL ; GUSTAFSON GARY R ; LUO ROBERT XHIYONG ; LUO ROBERT ZHIYONG ; NEWCOM JASON S ; O CONNOR STEPHEN J ; RALBOVSKY JANET L

Inventor(s): BECKETT R ; O'CONNOR STEPHEN J

Agent(s): F CHAU AND ASSOCIATES LLC; ALGIS; ANILIONIS ALGIS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/4162 A61K31/437 A61K31/4985 A61K31/5383 A61K31/55 A61K31/551 A61K31/553 A61P17/04 A61P25/04 A61P29/00 C07D471/04 C07D487/04 C07D498/04 (Advanced/Invention); A61K31/4162 A61P17/00 A61P29/00 C07D487/00 (Core/Invention)

CPC: C07D487/04 A61K31/553 C07D498/04

European class: C07D487/04 C07D498/04

US class: 514/210.18 514/210.180P 514/211.1 514/211.100S 514/214.02 514/214.020S 514/221 514/221S 514/230.5 514/230.500S 514/249 514/249S 514/300 514/300S 540/552 540/552S 540/568 540/568S 540/579 540/579S 544/105 544/105S 544/350 544/350S 546/121 546/121S

Classification Explorer

Cited documents: WO05105805 A1, WO03024967 A2, WO03013545 A1,

Forward Citations: WO16027844, WO14133022, US9458176, JP5654715, JP2014133022,

Abstract:
Source: US2012015930A The present invention provides substituted imidazoheterocycles having the general structure of formula I: wherein Y is chosen from –O–, –OCRgRh–, –CRgRhO–, –CRgRh–, –(CRgRh)2–, –NRi–, –CRgRhNRi– and –NRiCRgRh–. Also provided are pharmaceutically acceptable salts, acid salts, hydrates, solvates and stereoisomers of the compounds of formula I. The compounds are useful as modulators of cannabinoid receptors and for the prophylaxis and treatment of cannabinoid receptor–associated diseases and conditions, such as pain, inflammation and pruritis.

68) Family number: 61913151 (WO16042084A1) © PatBase

Title: BENZYL SUBSTITUTED INDAZOLES AS BUB1 INHIBITORS

Priority: EP20140185604 20140919 EP20150176903 20150715 WO2015EP71340 20150917

Family:

Publication number	Publication date	Application number	Application date
AP201709803 A0	20170331	AP20170009803	20150917
AR101966 AA	20170125	AR2015P103010	20150918
AU2015316796 AA	20160324	AU20150316796	20150917
CA2961589 AA	20170316	CA20152961589	20150917
CN107001331 A	20170801	CN201580062951	20150917
DOP2017000078 A	20170630	DO20170000078	20170317
EP3194379 A1	20170726	EP20150763619	20150917
IL251071 A0	20170430	IL20150251071	20150917
IN201717008849 A	20170804	IN201717008849	20170315
KR20170049604 A	20170510	KR20177010425	20150917
PE06972017 A1	20170624	PE20170000480	20150917
SG11201702082V A1	20170427	SG20171102082	20150917
TW201615636 A	20160501	TW20150131025	20150918
UY36311 A1	20160429	UY20150036311	20150918
WO16042084 A1	20160324	WO2015EP71340	20150917

Probable Assignee: BAYER PHARMA AG

Assignee(s):(std)**:** BAYER PHARMA AG

Assignee(s): BONE WILHELM ; BRIEM HANS ; CLEVE ARWED ; MENGEL ANNE ; MOWES MANFRED ; MONNING URSULA ; FERNANDEZ MONTALVAN AMAURY ERNESTO ; HOLTON SIMON ; KUHNKE JOACHIM ; LERCHEN HANS GEORG ; MULLER THOMAS ; SCHRODER JENS ; HITCHCOCK MARION ; SIEMEISTER GERHARD ; BARFACKER LARS

Inventor(s):(std)**:** BAERFACKER LARS ; BARFACKER LARS ; BONE WILHELM ; BRIEM HANS ; CLEVE ARWED ; CLEVE EARWED ; FERNANDEZ MONTALVAN AMAURY ERNESTO ; GERHARD DR SIEMEISTER ; GERHARD SIEMEISTER ; HANS BRIEM ; HANS DR BRIEM ; HANS DR LERCHEN ; HANS GEORG LERCHEN ; HITCHCOCK MARION ; HOLTON SIMON ; JENS DR SCHRDER ; JENS SCHROEDER ; JOACHIM DR KUHNKE ; JOACHIM KUHNKE ; KUHNKE JOACHIM ; LARS BAERFACKER ; LARS DR BRFACKER ; LERCHEN HANS GEORG ; MOENNING URSULA ; MOEWES MANFRED ; MONNING URSULA ; MOWES MANFRED ; MUELLER THOMAS ; MULLER THOMAS ; SCHRODER JENS ; SCHROEDER JENS ; SIEMEISTER GERHARD ; SIMON DR HOLTON ; SIMON HOLTON ; THOMAS DR MLLER ; THOMAS MUELLER ; URSULA DR MNNING ; URSULA MOENNING ; WILHELM BONE ; WILHELM DR BONE ; AMAURY ERNESTO DR FERNNDEZ MONTALVN ; AMAURY ERNESTO FERNANDEZ MONTALVAN ; ANNE GEORG DR MENGEL ; ANNE MENGEL ; ARWED CLEVE ; ARWED DR CLEVE ; MANFRED MOEWES ; MANFRED MWES ; MARION DR HITCHCOCK ; MARION HITCHCOCK ; MENGEL ANNE

Inventor(s): MLLER THOMAS ; B RFACKER LARS ; M WES MANFRED ; DR AMAURY ERNESTO FERNANDEZ MONTALVAN ; DR ANNE MENGEL ; DR GERHARD SIEMEISTER ; DR HANS BRIEM ; DR JENS SCHROEDER ; DR JOACHIM KUHNKE ; DR LARS BAERFACKER ; DR MARION HITCHCOCK ; DR SIMON HOLTON ; DR THOMAS MUELLER ; DR URSULA MOENNING ; DR WILHELM BONE

Agent(s): GRIFFITH HACK; FETHERSTONHAUGH AND CO; BIP PATENTS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA

ZM ZW

International class (IPC 8–9): A61K31/506 A61K31/53 A61P35/00 A61P35/04 C07D C07D213/74 C07D213/81 C07D231/56 C07D239/42 C07D239/47 C07D401/14 C07D403/04 C07D403/14 (Advanced/Invention); C07D (Subclass/Invention)

CPC: C07D401/14 C07D403/14 A61K31/506

Classification Explorer

Cited documents: WO15063003 A1, WO14202590 A1, WO14202588 A1, WO14202584 A1, WO14202583 A1, WO14147204 A1, WO14147203 A1, WO13167698 A1, WO13092512 A1, WO13050438 A1, US5011472 A,

Forward Citations: US9682974,

Abstract:
Compounds of formula (I) as defined herein and their use as pharmaceuticals.

0) US2008129164A – BEVERAGE COOLER WITH STORAGE ORGANIZER

69) Family number: 41883276 (US2008129164A) © PatBase

Title: BEVERAGE COOLER WITH STORAGE ORGANIZER

Priority: US20060607517 20061201

Family:

Publication number	Publication date	Application number	Application date
US2008129164 AA	20080605	US20060607517	20061201
US7896451 BB	20110301	US20060607517	20061201

Probable Assignee: WALSH THOMAS JEROME

Assignee(s):(std)**:** WALSH THOMAS JEROME

Inventor(s):(std)**:** WALSH THOMAS JEROME

Agent(s): PAUL AND PAUL

International class (IPC 8–9)**:** A47B77/08 (Advanced/Invention); A47B77/08 (Core/Invention)

CPC: A47F3/043 A47F3/0486

European class: A47F3/04A3A A47F3/04D1

US class: 312/139.2 312/228.1 312/228.100P 312/229 62/457.4

Classification Explorer

Cited documents: US7281775 BB, US7216770 BB, US673465 A, US6536609 BB, US6299004 BA, US6247773 BA, US6151905 A, US6105654 A, US5743602 A, US5727857 A, US5660117 A, US5502852 A, US5251790 A, US5215366 A, US4842350 A, US4802340 A, US4791411 A, US4739580 A, US4697855 A, US4574594 A, US4375758 A, US4272136 A, US4002383 A, US3904079 A, US374184 A, US3650586 A, US3237824 A, US3224823 A, US3017233 A, US2572090 A, US2569763 A, US2516122 A, US232998 A, US2312327 A, US2287681 A, US2276635 A, US2223023 A, US2137822 A, US2118099 A, US2104685 A, US2083852 A, US2007096416 AA, US2005109245 AA, US2004239214 AA, US2004232092 AA, US2002190619 AA, US2002108916 AA, US1758098 A, US169854 A, US1696456 A, US149224 A, US1468098 A, US1310015 A, US1287892 A,

Forward Citations: USRE46246, USD790283, USD786029, USD780522, USD766667, USD701734, US9505601, US9192107, US9038831, US8844950, US8756859, US8430460, US8152256, US8127919, US2014252040, US2014144852, US2013340166, US2012091147, US2011247268, US2011220454, US2010192621, US2010096961, EP2382896,

Abstract:
Source: US2008129164A A movable beverage cooler includes a storage organizer below an insulated cooler tub. The storage organizer has a plurality of adjustable horizontal racks for accommodating individual rows of various sized containers. The racks employ grip–in–place sidewall adjustment pads. The tub has a drop–in top, sliding door sub–assembly, with locking screws. The storage organizer may be enclosed with access through sliding doors. The structure is supported on legs with adjustable leveler extensions.

0) US2016026837A – METHODS AND APPARATUS TO FACILITATE PROXIMITY D...

70) Family number: 61540178 (US2016026837A) © PatBase

Title: METHODS AND APPARATUS TO FACILITATE PROXIMITY DETECTION AND LOCATION TRACKING

Priority: US20140029252P 20140725 US20150808624 20150724 US20150808801 20150724 US20170407873 20170117 US20170464742 20170321

Family:

Publication number	Publication date	Application number	Application date
US2016026837 AA	20160128	US20150808801	20150724
US2016029160 AA	20160128	US20150808624	20150724
US2017124366 AA	20170504	US20170407873	20170117
US2017195852 AA	20170706	US20170464742	20170321
US9584965 BB	20170228	US20150808801	20150724
US9641969 BB	20170502	US20150808624	20150724
WO17019383 A1	20170202	WO2016US42946	20160719

Probable Assignee: GEN ELECTRIC

Assignee(s):(std)**:** GEN ELECTRIC ; GOOD BRANDON ; LIU SHAOPENG ; THEURER CHARLES

Assignee(s): GENERAL ELECTRIC CO

Inventor(s):(std)**:** GOOD BRANDON ; GOOD BRANDON STEPHEN ; THEURER CHARLES BURTON ; LIU SHAOPENG ; THEURER CHARLES ; LIU SHAOPEN ; WALLACE ROBERT LEE

Agent(s): HANLEY FLIGHT AND ZIMMERMAN LLC; RICAMATO ANTHONY ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): G01S5/02 G06F19/00 G06K7/10 G06Q10/08 G06Q50/22 H04L12/26 H04L29/08 H04W24/00 H04W4/00 H04W4/02 H04W84/12 (Advanced/Invention); H04W84/12 (Advanced/Non–invention)

CPC: H04W84/12 G01S5/0284 G01S5/0289 G06F19/327 G06F19/3406 G06F19/3412 G06Q10/087 G06Q50/22 G06K7/10425 H04W4/028 H04L67/18 H04W4/02 H04W4/025 H04L43/106 H04W4/008

US class: 340/539.13 455/456.1

Classification Explorer

Cited documents: WO15097314 A1, WO0060374 A1, US8423045 BB, US8368540 BB, US8058986 BB, US8050939 BB, US7312752 BB, US7030731 BB, US6344794 BA, US2016005300 AA, US2015382153 AA, US2015169916 AA, US2015105099 AA, US2014209676 AA, US2014180713 AA, US2014074667 AA, US2012171960 AA, US2011080264 AA, US2011050411 AA, US2010188211 AA, US2010090901 AA, US2007241901 AA, US2006290519 AA, US2006261951 AA, US2005035862 AA,

Forward Citations: US9654928, US9420562, US2017124850, US2016302042,

Abstract:
Source: US2016026837A Methods, apparatus, systems and articles of manufacture are disclosed to facilitate proximity detection and location tracking. An example method includes receiving messages collected by a badge in an environment, the messages including signal strength and a timestamp. The example method also includes assigning a location in the environment to the badge based on a first subset of the messages. The example method also includes identifying an asset in a second subset of the messages. The example method also includes updating a current location associated with the asset based on a relative proximity of the asset to the badge, wherein the current location corresponds to a first time and the updated location corresponds to a second time, and wherein a change in location between the current location and the updated location indicates movement of the asset in the environment.

0) US2008038704A – INTEGRATED BLOOD PRESSURE CONTROL AND CORONARY ...

71) Family number: 41475081 (US2008038704A) © PatBase

Title: INTEGRATED BLOOD PRESSURE CONTROL AND CORONARY ARTERY SELF–CARE SYSTEM AND METHOD

Priority: US20060806200P 20060629 US20060806201P 20060629 US20070771769 20070629 US20070771793 20070629 US20070771807 20070629 US20060806203P 20060629

Family:

Publication number	Publication date	Application number	Application date
US2008038704 AA	20080214	US20070771769	20070629
US2008050709 AA	20080228	US20070771793	20070629
US2008064016 AA	20080313	US20070771807	20070629

Probable Assignee: CAREGUIDE SYSTEMS INC

Assignee(s):(std)**:** CAREGUIDE SYSTEMS INC

Inventor(s):(std)**:** FARAH JUDITH F ; GREY SHIRLEY ; OUTLAND CAROL ; ARUFFO SYLVIA

Inventor(s): FARAH JUDITH ; FARAH JUDITH FRANKS

Agent(s): BELL BOYD AND LLOYD LLP

International class (IPC 8–9): A47B81/00 A61B5/00 G09B23/28 (Advanced/Invention); A47B81/00 A61B5/00 G09B23/00 (Core/Invention)

CPC: G09B19/0092 A61B5/021 A61B5/14532 G09B19/00

European class: G09B19/00N K61B5/021 K61B5/145G

US class: 312/234 434/262 434/262P 434/272 434/272P 600/485

Classification Explorer

Cited documents: USD398772 S1, USD380234 S1, US7370763 BA, US6926708 BA, US6840379 BB, US6740068 BA, US6640976 BA, US6579271 BA, US6428320 BA, US6296488 BA, US6286682 BA, US6270485 BA, US6248343 BA, US6238383 BA, US6213304 BA, US6116426 A, US6112900 A, US6090075 A, US6068121 A, US6065659 A, US6065592 A, US6004307 A, US5980499 A, US5980498 A, US5979658 A, US5961446 A, US5931304 A, US5931303 A, US5910125 A, US5848700 A, US5836497 A, US5810738 A, US5803639 A, US5803249 A, US5785650 A, US5752234 A, US5722943 A, US5718245 A, US5716344 A, US5661777 A, US5660176 A, US5651777 A, US5643233 A, US5582599 A, US5560653 A, US5544753 A, US5443161 A, US5368581 A, US5338202 A, US5270485 A, US5117981 A, US4917238 A, US4903860 A, US4901851 A, US4796790 A, US4743240 A, US4621729 A, US4580360 A, US4522302 A, US4212392 A, US4170300 A, US4169550 A, US4080970 A, US3989993 A, US2314387 A, US2008064016 AA, US2008050709 AA, US2008038704 AA, US2007218107 AA, US2007054252 AA, US2007021983 AA, US2006293577 AA, US2006289329 AA, US2004168951 AA, US2003186202 AA,

Forward Citations: USD792976, USD755978, USD726257, USD724143, USD720008, USD707753, USD707292, US9504389, US9226677, US9164000, US8747117, US2016358507, US2016038036, US2013023790, US2012308973, US2012238901, US2010204016, US2008064016, US2008050709, US2008038704, CN102883786,

Abstract:
Source: US2008038704A Methods and apparatus for integrated blood pressure control and coronary artery care are disclosed. The methods and apparatus enable a user to provide blood pressure control and coronary artery care to himself/herself. For example, after being treated by a doctor for a heart problem, a person may use the disclosed system to prevent additional heart related problems.

0) US2004227048A – MONITOR FRAME

72) Family number: 31339768 (US2004227048A) © PatBase

Title: MONITOR FRAME

Priority: US20030448579P 20030221 US20030519051P 20031110 US20040782235 20040219 US20040984597 20041109 US20040621681P 20041022

Family:

Publication number	Publication date	Application number	Application date
US2004227048 AA	20041118	US20040782235	20040219
US2005098510 AA	20050512	US20040984597	20041109

Probable Assignee: HAMILTON LAWRENCE S

Assignee(s):(std)**:** HAMILTON LAWRENCE S ; LOM TIMOTHY M

Inventor(s):(std)**:** HAMILTON LAWRENCE S ; LOM TIMOTHY M

Inventor(s): HAMILTON LAWRENCE ; LOM TIMOTHY

Agent(s): GEORGE R REARDON

International class (IPC 8–9): A47F7/00 B41J11/02 G06F1/16 (Advanced/Invention); A47F7/00 B41J11/02 G06F1/16 (Core/Invention)

International class (IPC 1–7): A47F7/00 B41J11/02

CPC: G06F1/1607 A47F5/0884 A47F5/0807 A47F7/147 G09F1/12 G09F3/20 G09F7/18 A47G7/06 A47B23/04 F16M11/041 F16M13/02 B42D5/005 B42F7/06

European class: G06F1/16D6

US class: 211/13.1 211/189 248/442.2 248/918

Classification Explorer

Cited documents: US6688316 BA, US6686900 BA, US6666341 BB, US6543167 BA, US6478282 BA, US6449147 BB, US6443415 BA, US6412744 BA, US6395125 BA, US6279753 BA, US5988582 B1, US5890309 A, US5671849 A, US5638096 B1, US5638096 A, US5564209 A, US5104087 B1, US4869565 B1, US4802593 A, US4472843 A, US4176743 A, US2004150943 AA,

Forward Citations: WO10075382, USD712860, USD712859, USD712858, USD712857, USD712856, USD712855, USD681042, USD654502, USD647909, USD620728, USD620011, US9657891, US9370266, US9265878, US9194536, US8579122, US8469204, US8212868, US8136778, US8019298, US7841574, US7613435, US7083153, US7083153, US2016186983, US2015034781, US2014101980, US2012265098, US2012261365, US2011068074, US2010308187, US2010155568, US2010155554, US2010022182, US2009254684, US2009119966, US2009084013, US2008130209, US2007298737, US2007251903, US2007228236, US2006117629, US2006085577, EP2989626,

Abstract:
Source: US2004227048A A monitor frame for computer monitors that contains recessed pockets for inserting items, such as pictures, securing means, such as friction rings, to secure the inserted items, adapted for coupling to a computer monitor though attaching means to hingeably attach the monitor frame to a monitor. A method for installing and decorating the monitor frame. A method for building the monitor frame.

0) US2008110792A – METHODS FOR ADMINISTERING WEIGHT LOSS MEDICATIO...

73) Family number: 41799147 (US2008110792A) © PatBase

Title: METHODS FOR ADMINISTERING WEIGHT LOSS MEDICATIONS

Priority: AU20070319472 20071108 AU20130200156 20130111 US20060865159P 20061109
US20070937367 20071108 US20100838364 20100716 AU20170200230 20170113
WO2007US84178 20071108 US20140220349 20140320 US20150844476 20150903

Family:

Publication number	Publication date	Application number	Application date
AR063958 AA	20090304	AR2007P104990	20071108
AU2007319472 AA	20080522	AU20070319472	20071108
AU2007319472 AB	20090702	AU20070319472	20071108
AU2007319472 BB	20130117	AU20070319472	20071108
AU2013200156 AA	20130131	AU20130200156	20130111
AU2013200156 BB	20161020	AU20130200156	20130111
AU2017200230 AA	20170202	AU20170200230	20170113
CA2668885 AA	20090507	CA20072668885	20071108
CA2668885 C	20160802	CA20072668885	20071108
CL2007003246 A1	20080324	CL20070003246	20071109
CN101573103 A	20091104	CN200780049430	20071108
EP2088998 A2	20090819	EP20070864162	20071108
IL198578 A0	20100217	IL20070198578	20071108
IN03159DN2009 A	20090717	IN2009DN03159	20090514
JP2010508997 T2	20100325	JP20090536504T	20071108
KR20090090316 A	20090825	KR20097010757	20071108
KR20140088619 A	20140710	KR20147016917	20071108
KR20150082689 A	20150715	KR20157017414	20071108
KR20160072276 A	20160622	KR20167016145	20071108
KR20170077291 A	20170705	KR20177017570	20071108
MX2009004871 A1	20090616	MX20090004871	20071108
MX343867 B	20161125	MX20130009433	20071108
RU2009116834 A	20101220	RU20090116834	20071108
TW200829235 A	20080716	TW20070142296	20071108
US2008110792 AA	20080515	US20070937367	20071108
US2011059170 AA	20110310	US20100838364	20100716
US2014322318 AA	20141030	US20140220349	20140320
US2016193152 AA	20160707	US20150844476	20150903
US8722085 BB	20140513	US20100838364	20100716
US9125868 BB	20150908	US20140220349	20140320
WO08060964 A2	20080522	WO2007US84178	20071108
WO08060964 A3	20080912	WO2007US84178	20071108

Probable Assignee: OREXIGEN THERAPEUTICS INC

Assignee(s):(std)**:** MCKINNEY ANTHONY ; MCKINNEY ANTHONY A ; OREXIGEN THERAPEUTICS INC ; WEBER ECKARD ; TOLLEFSON GARY ; SOLTERO RICK

Assignee(s): US BANK NATIONAL ASSOCIATION COLLATERAL AGENT AS ; OREXIGEN THERAPEUTICS INC US

Inventor(s):(std)**:** WEBER ECKARD ; TOLLEFSON GARY D ; TOLLEFSON GARY ; SOLTERO RICK ; RICK SOLTERO ; MCKINNEY ANTHONY A TOLLEFSON G ; MCKINNEY ANTHONY A ; MCKINNEY ANTHONY ; GARY TOLLEFSON ; ECKARD WEBER

Inventor(s):

MCKINNEY ANTHONY A TOLLEFSON GARY D WEBER... ; MCKINNEY ANTHONY A TOLLEFSON GARY D WEBER ECKARD SOLTERO RICK ; ANTHONY A MCKINNEY

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; SMART AND BIGGAR; CLARKE; KARY PIERRE; KNOBBE MARTENS OLSON AND BEAR LLP; HART DANIEL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61J1/03 A61J7/00 A61J7/02 A61J7/04 A61K31/13 A61K31/135 A61K31/137 A61K31/138 A61K31/35 A61K31/415 A61K31/42 A61K31/423 A61K31/439 A61K31/485 A61K31/551 A61K31/5513 A61K31/7048 A61K45/06 A61K9/00 A61K9/20 A61K9/24 A61K9/48 A61P3/00 A61P3/04 A61P3/06 A61P3/10 A61P43/00 A61P9/12 B65D75/36 B65D83/04 B65D85/42 (Advanced/Invention);
A61K9/24 (Advanced/Non–invention);
A61J7/00 A61K31/135 A61K31/137 A61K31/35 A61K31/42 A61K31/423 A61K31/485 A61K31/551 A61K9/00 A61K9/20 A61P3/00 A61P43/00 A61P9/00 B65D83/04 B65D85/42 (Core/Invention);
A61K31/137 A61K31/138 A61K31/42 A61K31/485 A61K31/551 (Core/Non–invention);
A61K (Subclass/Invention)

International class (IPC 1–7): A61K31/132 A61K31/135 A61K31/423 A61K31/438 A61K31/5513 A61K9/00 A61K9/24 A61P3/00 A61P3/04

CPC: A61K31/423 A61J1/035 A61K31/485 A61K9/20 A61K9/48 A61J7/04 A61J7/0454 A61K31/135 A61K31/137 A61K31/35 A61K31/42 A61K31/551 A61K45/06 A61K2300/00 A61K31/7048 A61K31/5513 B65D75/36 A61K9/209 A61K31/138 A61J7/00

European class: A61J1/03B A61J7/04 A61K31/135 A61K31/137 A61K31/35 A61K31/42 A61K31/485 A61K31/551 A61K45/06 K61J7/04B1G K61K9/20K4B

US class: 1/1 206/438 206/531 424/464 424/464P 514/220 514/220S 514/25 514/282 514/282S 514/379 514/406 514/406S 514/455 514/455S 514/649 514/649S 514/651 514/651S 514/654 514/654S

Classification Explorer

Cited documents: WO9938504, WO9937305, WO9916375, WO9800130, WO9741873, WO9706787, WO9706786, WO9609047, WO9420100, WO9013294, WO8303197, WO13184837, WO08119978, WO07085637, WO07047351, WO07012064, WO06088748, WO06055854, WO06052542, WO06049941, WO05089486, WO05079773, WO05077362, WO05070461 A2, WO05049043, WO05032555, WO05000217, WO04110375, WO04110368, WO04100992 A2, WO04100956, WO04096201 A1, WO04091593, WO04071423, WO04054571, WO04054570, WO04052289, WO04024096, WO04009015, WO04002463, WO03097051, WO03092682, WO03013525, WO03013524, WO03013479, WO0224214, WO0209694, WO02087590, WO0185257, WO0178725, WO0162257, WO0158451, WO0158447, WO0152851, WO0152833, WO0126641, WO0101973, WO0076493, WO0062757, WO0061139, WO0051546, WO0050020, US8969371 BA, US8722085 BB, US8318788 BB, US8088786 BB, US7754748 BB, US7682633 BB, US7462626 BB, US7429580 BB, US7425571 BB, US7422110 BB, US7375111 BB, US7109198 BB, US6995169 BB, US6926907 BB, US6923988 BB, US6905708 BB, US6893661 BA, US6893660 BB, US6831031 BB, US6797283 BA, US6713488 BB, US6706283 BA, US6702097 BA, US6686337 BB, US6682759 BB, US6652882 BA, US6638535 BB, US6630165 BB, US6627223 BB, US6622036 BA, US6589553 BB, US6576256 BB, US6569449 BA, US6548551 BB, US6541478 BA, US6528520 BB, US6514531 BA, US6506799 BA, US6500459 BA, US6462237 BA, US6451860 BA, US6441038 BA, US6437147 BA, US6420369 BA, US6387956 BA, US6383471 BA, US6369113 BB, US6344474 BA, US6342515 BA, US6342496 BA, US6323236 BB, US6306436 BA, US6294192 BA, US6274579 BA, US6262049 BA, US6248363 BA, US6245766 BA, US6238697 BA, US6210716 BA, US6197827 BA, US6191117 BA, US6183778 BA, US6153223 A, US6150366 A, US6143327 A, US6120803 A, US6110973 A, US6096341 A, US6087386 A, US6071918 A, US6071537 A, US6048322 A, US6034322 A, US6034091 A, US6033686 A, US6004970 A, US5977099 A, US5958962 A, US5948799 A, US5866164 A, US5856332 A, US5817666 A, US5817665 A, US5763493 A, US5738874 A, US5731000 A, US5719197 A, US5716976 A, US5714519 A, US5626874 A, US5541231 A, US5512593 A, US5486362 A, US5427798 A, US5426112 A, US5403595 A, US5364841 A, US5358970 A, US5312925 A, US5283263 A, US5213808 A, US5213807 A, US5202128 A, US5082864 A, US5028612 A, US5000886 A, US4895845 A, US4855306 A, US4831031 A, US4828836 A, US4689332 A, US4673679 A, US4513006 A, US4483846 A, US4295567 A, US4218433 A, US4172896 A,

US4089855 A, US3942641 A, US3885046 A, US3819706 A, US2015119417 AA, US2015080424 AA, US2014364468 AA, US2014080857 AA, US2013252995 AA, US2013245055 AA, US2013177602 AA, US2012093889 AA, US2012010232 AA, US2011172260 AA, US2011144145 AA, US2011098289 AA, US2011028505 AA, US2010190793 AA, US2010166889 AA, US2009076108 AA, US2009018115 AA, US2008214592 AA, US2008113026 AA, US2008110792 AA, US2008058407 AA, US2008027487 AA, US2007281021 AA, US2007275970 AA, US2007270450 AA, US2007185084 AA, US2007179168 AA, US2007149451 AA, US2007148237 AA, US2007129283 AA, US2007128298 AA, US2007117827 AA, US2007099947 AA, US2007078135 AA, US2007048237 AA, US2006276412 AA, US2006246131 AA, US2006160750 AA, US2006142290 AA, US2006122127 AA, US2006100205 AA, US2006079501 AA, US2006069086 AA, US2006058293 AA, US2006051418 AA, US2006025365 AA, US2006024365 AA, US2006018934 AA, US2006018933 AA, US2006009514 AA, US2005277579 AA, US2005250838 AA, US2005245460 AA, US2005238718 AA, US2005232990 AA, US2005215552 AA, US2005214372 AA, US2005214371 AA, US2005214368 AA, US2005181070 AA, US2005181049 AA, US2005163840 AA, US2005154002 AA, US2005147664 AA, US2005143322 AA, US2005142195 AA, US2005137144 AA, US2005118268 AA, US2005112211 AA, US2005112198 AA, US2005096311 AA, US2005063913 AA, US2005043773 AA, US2005043705 AA, US2005043704 AA, US2005041006 AA, US2005031691 AA, US2005026986 AA, US2005026977 AA, US2005019412 AA, US2005019409 AA, US2005019385 AA, US2005013863 AA, US2005004106 AA, US2004258757 AA, US2004254208 AA, US2004242974 AA, US2004228924 AA, US2004228915 AA, US2004204472 AA, US2004198668 AA, US2004185097 AA, US2004158194 AA, US2004122033 AA, US2004115134 AA, US2004106576 AA, US2004105778 AA, US2004101556 AA, US2004096499 AA, US2004092504 AA, US2004059241 AA, US2004047908 AA, US2004033965 AA, US2004029941 AA, US2004022852 AA, US2004005368 AA, US2004002462 AA, US2003215496 AA, US2003198683 AA, US2003161874 AA, US2003147952 AA, US2003144271 AA, US2003144174 AA, US2003135056 AA, US2003133985 AA, US2003133982 AA, US2003130322 AA, US2003109546 AA, US2003091630 AA, US2003087896 AA, US2003068371 AA, US2003055038 AA, US2003055008 AA, US2003054041 AA, US2003054031 AA, US2003044462 AA, US2003035840 AA, US2003017189 AA, US2003003151 AA, US2002198227 AA, US2002090615 AA, US2002055512 AA, US2002044962 AA, US2002037836 AA, US2002025972 AA, US2002022054 AA, US2002019364 AA, US2002012680 AA, US2001046964 AA, US2001025038 AA, RU2214241, JP2003509349, EP1813276, EP1759701, EP1275373, EP0598309, EP0541192, EP0442769, EP0294028, EP0005636, CL31652000, CL200700113, CL200500308, CL200500308, CL200400851, CL200003165, CA2317044,

Forward Citations: WO17087373, WO14134477, WO12155091, WO12075453, US9633575, US9603550, US9555005, US9457005, US9444503, US9433371, US9248123, US9125868, US9119850, US9107837, US9101545, US8969371, US8916195, US8889190, US8815889, US8722085, US8652527, US8318788, US8088786, US2015352062, US2015196522, US2014315170, US2014309252, US2013245056, US2011172260, US2011144145, US2011098289, US2011082407, US2010331999, US2010331420, US2010331419, US2010113583, US2010113581, US2010113580, US2007281021, US2007128298, EP3015398, EP2646031, EP2646031,

Abstract:
Source: US2008110792A Methods and systems for administration of pharmaceuticals using a unit dosage package that includes a first unit dosage that has a first drug and a second drug, a second unit dosage that has the first drug and the second drug, where the second unit dosage includes a different amount of the second drug than the first unit dosage and a unit dosage package is configured to hold the first unit dosage and the second unit dosage. In preferred embodiments the methods and systems are used for administration of weight loss medications.

FDA Data:

Application number	Active ingredient	Proprietary name	Applicant	Date of approval
200063	BUPROPION HYDROCHLORIDE; NALTREXONE HYDROCHLORIDE	CONTRAVE	OREXIGEN	Sep 10, 2014
200063	BUPROPION HYDROCHLORIDE; NALTREXONE HYDROCHLORIDE	CONTRAVE	TAKEDA PHARMS USA	Sep 10, 2014

0) US2015175608A – NOVEL 4–SUBSTITUTED 1,3–DIHYDRO–2H–BENZIMIDAZOL...

74) Family number: 55374764 (US2015175608A) © PatBase

Title: NOVEL 4–SUBSTITUTED 1,3–DIHYDRO–2H–BENZIMIDAZOL–2–ONE DERIVATIVES SUBSTITUTED WITH BENZIMIDAZOLES AS RESPIRATORY SYNCYTIAL VIRUS ANTIVIRAL AGENTS

Priority: EP20120172270 20120615 EP20130728403 20130614 WO2013EP62321 20130614

Family:

Publication number	Publication date	Application number	Application date
AU2013276518 AA	20131219	AU20130276518	20130614
CA2873916 AA	20141118	CA20132873916	20130614
CN104507916 A	20150408	CN201380031580	20130614
EA201590023 A1	20150529	EA20150090023	20130614
EP2864299 A1	20150429	EP20130728403	20130614
JP2015519385 T2	20150709	JP20150516620T	20130614
KR20150028969 A	20150317	KR20147036822	20130614
US2015175608 AA	20150625	US20130407109	20130614
WO13186332 A1	20131219	WO2013EP62321	20130614

Probable Assignee: JANSSEN SCIENCES IRELAND UC

Assignee(s):(std): JANSSEN R AND D IRELAND ; JANSSEN SCIENCES IRELAND UC

Assignee(s): TIBOTEC PHARMACEUTICALS LTD ; HU LILI ; JANSSEN INFECTIOUS DISEASES BVBA ; JANSSEN R AND D IRELANDEASTGATE VILLAGECOUNTY CORKEASTGATE LITTLE ISLANDIE ; TAHRI ABDELLAH ; JONCKERS TIM HUGO MARIA ; VENDEVILLE SANDRINE MARIE HELENE ; RABOISSON PIERRE JEAN MARIE BERNARD

Inventor(s):(std): HU LILI ; JONCKERS TIM HUGO MARIA ; RABOISSON PIERRE JEAN MARIE BERNARD ; TAHRI ABDELLAH ; VENDEVILLE SANDRINE MARIE HELEN ; VENDEVILLE SANDRINE MARIE HELENE

Inventor(s): VENDEVILLE SANDRINE MARIE HELENEBE ; TAHRI ABDELLAHBE ; RABOISSON PIERRE JEAN MARIE BERNARDBE ; JONCKERS TIM HUGO MARIABE ; HU LILIBE

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; VERBERCKMOES FILIP GERARD; OHMORI NORIO; KOBAYASHI HIROSHI; VERBERCKMOES FILIP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/4184 A61K31/4188 A61K31/437 A61P11/00 A61P31/14 C07D235/20 C07D235/26 C07D471/04 C07D487/04 (Advanced/Invention)

CPC: C07D487/04 C07D235/26 A61K31/4188 A61K31/437 C07D235/20 C07D471/04

US class: 514/303 514/395 546/118 548/305.7

Classification Explorer

Cited documents: WO0195910 A1, US2002016309 AA, CN1436079 A,

Forward Citations: WO16022464, US2016251377,

Abstract:
Source: US2015175608A The present invention is concerned with novel 4–substituted 1,3–dihydro–2H–benzimidazol–2–one derivatives substituted with benzimidazoles having formula (I) tautomers and stereoisomeric forms thereof, and the pharmaceutically acceptable addition salts, and the solvates thereof, wherein R4, R5, Z and Het have the meaning defined in the claims. The compounds according to the present invention are useful as inhibitors on the replication of the respiratory syncytial virus (RSV). The invention further concerns the preparation of such novel compounds, compositions comprising these compounds, and the compounds for use in the treatment of respiratory syncytial virus infection.

75) Family number: 61913148 (WO16042080A1) © PatBase

Title: BENZYL SUBSTITUTED INDAZOLES AS BUB1 KINASE INHIBITORS

Priority: EP20140185603 20140919 WO2015EP71332 20150917

Family:

Publication number	Publication date	Application number	Application date
AR101970 AA	20170125	AR2015P103015	20150918
CA2961578 AA	20170316	CA20152961578	20150917
EP3194380 A1	20170726	EP20150763928	20150917
TW201617337 A	20160516	TW20150131024	20150918
WO16042080 A1	20160324	WO2015EP71332	20150917

Probable Assignee: BAYER PHARMA AG

Assignee(s):(std)**:** BAYER PHARMA AG

Assignee(s): BONE WILHELM ; BRIEM HANS ; CLEVE ARWED ; FERNANDEZ MONTALVAN AMAURY ERNESTO ; MENGEL ANNE ; MONNING URSULA ; HOLTON SIMON ; SIEMEISTER GERHARD ; LERCHEN HANS GEORG ; MULLER THOMAS ; SCHRODER JENS ; HITCHCOCK MARION ; BARFACKER LARS

Inventor(s):(std)**:** AMAURY ERNESTO DR FERNNDEZ MONTALVN ; ANNE GEORG DR MENGEL ; ARWED DR CLEVE ; BAERFACKER LARS ; BARFACKER LARS ; BONE WILHELM ; BRIEM HANS ; CLEVE ARWED ; FERNANDEZ MONTALVAN AMAURY ERNESTO ; GERHARD DR SIEMEISTER ; HANS DR BRIEM ; HANS DR LERCHEN ; HITCHCOCK MARION ; HOLTON SIMON ; JENS DR SCHDER ; LARS DR BRFACKER ; LERCHEN HANS GEORG ; MARION DR HITCHCOCK ; MENGEL ANNE ; MOENNING URSULA ; MONNING URSULA ; MUELLER THOMAS ; MULLER THOMAS ; SCHRODER JENS ; SCHROEDER JENS ; SIEMEISTER GERHARD ; SIMON DR HOLTON ; THOMAS DR MLLER ; URSULA DR MNNING ; WILHELM DR BONE

Agent(s): FETHERSTONHAUGH AND CO; BIP PATENTS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/506 A61P35/00 C07D401/14 C07D403/04 C07D403/14 (Advanced/Invention)

CPC: C07D401/14 C07D403/14

Classification Explorer

Cited documents: WO13050438 A1,

Forward Citations: US9682974,

Abstract:
Compounds of formula (I) and their use as pharmaceuticals.

0) US2016176875A – SPIROCYCLIC EBI2 MODULATORS

76) Family number: 58870772 (US2016176875A) © PatBase

Title: SPIROCYCLIC EBI2 MODULATORS

Priority: US20130883092P 20130926 US20130883100P 20130926 WO2014US57891 20140926 US20140910658 20140926 WO2014US57897 20140926 US20140910653 20140926

Family:

Publication number	Publication date	Application number	Application date
US2016176875 AA	20160623	US20140910658	20140926
US2016214951 AA	20160728	US20140910653	20140926
WO15048567 A1	20150402	WO2014US57891	20140926
WO15048570 A2	20150402	WO2014US57897	20140926
WO15048570 A3	20150702	WO2014US57897	20140926

Probable Assignee: SANFORD BURNHAM MEDICAL RESEARCH INST

Assignee(s):(std)**:** SANFORD BURNHAM MED RES INST ; SANFORD BURNHAM MEDICAL RES INST

Assignee(s): SANFORD BURNHAM MEDICAL RESEARCH INST

Inventor(s):(std)**:** ARDECKY ROBERT ; GANJI SANTHI REDDY ; GONZALEZ LOPEZ MARCOS ; PINKERTON ANTHONY B ; SERGIENKO EDUARD A ; SERGUIENKO EDUARD A ; ZOU JIWEN

Agent(s): MALECHA JAMES

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class(IPC 8–9)**:** A61K31/438 A61K31/4545 A61K31/495 C07D209/12 C07D211/26 C07D215/14 C07D235/10 C07D257/04 C07D295/16 C07D295/26 C07D317/46 C07D333/56 C07D401/06 C07D403/12 C07D471/10 C07D495/04 C07F5/02 C07F9/6509 (Advanced/Invention)

CPC: C07F5/025 C07D295/16 C07F9/650958 C07D295/26 C07D211/26 C07D333/56 C07D257/04 C07D215/14 C07D209/12 C07D317/46 C07D235/10 C07D403/12 C07D401/06 C07D495/04 C07D471/10 C07D471/04

US class: 514/210.18 514/210.21 514/278 514/64 546/13 546/16

Classification Explorer

Cited documents: WO13131010 A2, WO12172043 A1, US2015099734 AA, US2007249648 AA, US2005245499 AA,

Abstract:
Source: US2016176875A Provided herein are small molecule Epstein–Barr virus–induced G–protein coupled receptor 2 (EBI2) modulator compounds, compositions comprising the compounds, and methods of using the compounds and compositions comprising the compounds. In some embodiments, EBI2 is a therapeutic target for the treatment of diseases or conditions such as, but not limited to, autoimmune diseases or conditions, cancer, and cardiovascular disease.

0) US2009247502A – SUBSTITUTED PYRIDOXAZINES

77) Family number: 43781428 (US2009247502A) © PatBase

Title: SUBSTITUTED PYRIDOXAZINES

Priority: US20080040330P 20080328 US20090409626 20090324

Family:

Publication number	Publication date	Application number	Application date
US2009247502 AA	20091001	US20090409626	20090324
US7960377 BB	20110614	US20090409626	20090324
WO09120660 A2	20091001	WO2009US38037	20090324
WO09120660 A3	20100121	WO2009US38037	20090324

Probable Assignee: CARA THERAPEUTICS INC

Assignee(s):(std): CARA THERAPEUTICS INC ; GUSTAFSON GARY R ; NEWCOM JASON S ; O CONNOR STEPHEN J

Inventor(s):(std): GUSTAFSON GARY R ; NEWCOM JASON S ; O CONNOR STEPHEN J

Inventor(s): O'CONNOR STEPHEN J

Agent(s): CARA THERAPEUTICS INC INTELLECTUAL PROPERTY DEPARTMENT; ALGIS ANILIONIS; ANILIONIS ALGIS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/5365 A61K31/5383 C07D403/02 C07D403/04 C07D413/02 C07D413/04 C07D487/04 C07D498/04 (Advanced/Invention) ; A61K31/5375 C07D403/00 C07D413/00 C07D487/00 C07D498/00 (Core/Invention)

CPC: C07D498/04

European class: C07D498/04

US class: 514/210.18 514/210.180P 514/230.5 514/230.500S 544/105 544/105S

Classification Explorer

Cited documents: WO09120660 A3, WO09120660 A2, WO07093507 A1, WO06134378 A1, WO04052373 A1, WO03032989 A1, US2007191603 AA,

Forward Citations: WO15095795, WO13050341, US9663502, US9657033, US9512111, US9394315, US8653127, US8394792, US8211926, US7960377, US7741350, US2015111877, EP2266989, EP2266989, AU2009252166, AU2009252166,

Abstract:
Source: US2009247502A The invention provides compounds having the structure of formula I, and prodrugs, stereoisomers, racemates, salts, hydrates, solvates, acid salt hydrates and isomorphic crystalline forms thereof, wherein A, Y and the groups R1, R2, R3 and R4 are defined in the specification. These compounds can be administered in pharmaceutical formulations to modulate cannabinoid receptor activity for the prevention and treatment of a variety of diseases and conditions, including pain, inflammation and pruritis.

78) Family number: 45440777 (US2010153005A) © PatBase

Title: SYSTEM AND METHOD FOR EFFICIENT ROUTING ON A NETWORK IN THE PRESENCE OF MULTIPLE–EDGE RESTRICTIONS AND OTHER CONSTRAINTS

Priority:

US20080121891P 20081211 US20090281859P 20091124 US20090633481 20091208
US20100954547 20101124 US20100394287P 20101018 US20110163630 20110617
US20110245610 20110926 US20110245217 20110926 US20120610679 20120911
US20110449044P 20110303 US20110251129 20110930 US20140256265 20140418
US20140535104 20141106 US20150878590 20151008 WO2009US67164 20091208
WO2010US58113 20101124 WO2011US56786 20111018

Family:

Publication number	Publication date	Application number	Application date
AR074600 AA	20110126	AR2009P104815	20091211
AU2009324771 AA	20100617	AU20090324771	20091208
AU2009324771 BB	20160211	AU20090324771	20091208
AU2009324771 BI	20160505	AU20090324771	20091208
AU2010324651 AA	20110603	AU20100324651	20101124
AU2010324651 BB	20151022	AU20100324651	20101124
CA2746322 AA	20110608	CA20092746322	20091208
CA2781688 AA	20120523	CA20102781688	20101124
CA2815066 AA	20130416	CA20112815066	20111018
CL2012001326 A1	20130906	CL20120001326	20120523
CN102859323 A	20130102	CN201080062233	20101124
CO6551757 A2	20121031	CO20120104806	20120622
EP2374248 A1	20111012	EP20090793653	20091208
EP2504663 A1	20121003	EP20100833986	20101124
EP2663930 A2	20131120	EP20110776666	20111018
EP2663930 A4	20141203	EP20110776666	20111018
MX2011006174 A1	20120228	MX20110006174	20091208
MX2012005958 A1	20121217	MX20120005958	20101124
US2010153005 AA	20100617	US20090633481	20091208
US2011238457 AA	20110929	US20100954547	20101124
US2012016582 AA	20120119	US20110245610	20110926
US2012022904 AA	20120126	US20110245217	20110926
US2012158299 AA	20120621	US20110163630	20110617
US2012226390 AA	20120906	US20110251129	20110930
US2013007626 AA	20130103	US20120610679	20120911
US2015088414 AA	20150326	US20140256265	20140418
US2015285651 AA	20151008	US20140535104	20141106
US2016258770 AA	20160908	US20150878590	20151008
US8214142 BB	20120703	US20110245610	20110926
US8275508 BA	20120925	US20110251129	20110930
US8290701 BB	20121016	US20110245217	20110926
US8423283 BB	20130416	US20090633481	20091208
US8706409 BB	20140422	US20100954547	20101124
US8886453 BB	20141111	US20110163630	20110617
US9157756 BB	20151013	US20140256265	20140418
US9702719 BB	20170711	US20150878590	20151008
WO10068627 A1	20100617	WO2009US67164	20091208
WO11066468 A1	20110603	WO2010US58113	20101124

WO12054533 A1	20120426	WO2011US56778	20111018	
WO12054539 A2	20120426	WO2011US56786	20111018	
WO12054539 A3	20131010	WO2011US56786	20111018	

Probable Assignee: TELOGIS INC

Assignee(s):(std)**:** ADAMS NATHAN ; CERECKE CARL DAVID JAMES ; CEREKE CARL ; MITCHELL DAVID ; MASON RALPH ; JELINEK HOWARD ; KOCH JASON ; MASON RALPH JAMES ; MITCHELL DAVID JOHN ; TELOGIS INC

Assignee(s): WELLS FARGO CAPITAL FINANCE LLC AGENT AS ; SQUARE ; SQUARE 1 BANK ; GUGGENHEIM CORPORATE FUNDING LLC COLLATERAL AGENT AS

Inventor(s):(std)**:** RALPH MASON ; MITCHELL DAVID JOHN ; MASON RALPH JAMES ; KOCH JASON MATHEW ; CERECKE CARL DAVID JAMES ; MITCHELL DAVID ; MASON RALPH ; CEREKE CARL ; ADAMS NATHAN ; CARL CEREKE ; CERECKE CARL ; DAVID MITCHELL ; JELINEK HOWARD ; KOCH JASON

Inventor(s): MASON RALPH KOCH JASON JELINEK HOWARD ; HOWARD JELINEK ; JASON KOCH

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; WALLINGTON DUMMER; SIM AND MCBURNEY; AIRD AND BERLIS IP PARTNERSHIP LTD; ESTUDIO PORZIO RIOS; HUMBERTO RUBIO CAMACHO; AHMAD SHEIKH SHAKEEL; FENNELL GARETH CHARLES; PAUL HASTINGS JANOFSKY AND WALKER LLP; KNOBBE MARTENS OLSON AND BEAR LLP; BADER MARTIN R ET AL; DELANEY KAROLINE A

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): G01C21/00 G01C21/26 G01C21/32 G01C21/34 G01C21/36 G01M17/00 G01P3/00 G06F15/00 G06F17/00 G06F3/01 G06Q10/00 G06Q10/04 G06Q10/06 G06Q30/00 G06Q50/30 G07C5/00 G07C5/08 G08G1/00 G08G1/09 G08G1/0968 H04L12/56 H04L12/721 H04L12/751 (Advanced/Invention); G06Q10/04 G06Q10/08 G08G1/00 (Advanced/Non–invention); G01C21/34 H04L12/56 (Core/Invention)

International class (IPC 1–7): H04L12/56

CPC: G01C21/3484 G06Q10/063114 B60W2540/28 G01C21/3617 G06Q10/047 G06Q10/083 G06Q10/06311 G06Q10/0833 G06Q10/04 G06Q10/063112 G01C21/3469 G01C21/3446 H04W4/028 G08G1/0112 G08G1/0129 G08G1/202 G08G1/20 G07C5/008

European class: G01C21/34B G01C21/34C2 G06Q10/06311 G06Q10/06311B G06Q10/0833 H04L45/00 H04L45/12 H04L45/127 H04W4/02P6

US class: 1/1 340/425.5 340/441 340/441S 340/5.2 340/572.1 340/573.4 340/990 340/993 340/995.1 340/995.19 370/351 370/352 701/1 701/117 701/119 701/200 701/200S 701/201 701/201P 701/29.3 701/31.4 701/400 701/408 701/410 701/410P 701/411 701/420 701/422 701/423 701/424 701/457 701/482 701/521 701/532 701/532S 701/533 701/533P 702/142 702/142S 705/333 705/333S 705/7.13 705/7.130P 705/7.14 705/7.140P 715/738 715/810

Classification Explorer

Cited documents: WO11116330 A2, WO08034097 A2, WO02075667 A1, US9135759 BB, US9129460 BB, US9008888 BA, US8706409 BB, US8630768 BB, US8552847 BA, US8509987 BB, US8428307 BB, US8290701 BB, US8285696 BB, US8200376 BB, US8040256 BB, US7913188 BA, US7913179 BB, US7865298 BB, US7828655 BB, US7778773 BB, US7756615 BB, US7743346 BB, US7706964 BB, US7565155 BB, US7433889 BA, US7395140 BB, US7356405 BA, US7174243 BA, US7158136 BB, US7143100 BB, US7062380 BB, US6879910 BB, US6611755 BA, US6477452 BB, US6339745 BA, US6321161 BA, US6317686 BA, US6308120 BA, US6295503 BA, US6154658 A, US6144920 A, US6112015 A, US6097998 A, US6075530 A, US6026346 A, US5938720 A, US5904727 A, US5880958 A, US5808907 A, US5657231 A, US5638523 A, US5610821 A, US5486822 A, US4926336 A, US2015197247 AA, US2014195310 AA, US2014074391 AA, US2014046585 AA, US2013211660 AA, US2012307064 AA, US2012226390 AA, US2012197504 AA, US2012179361 AA, US2012123632 AA, US2012101855 AA, US2012072244 AA, US2012022904 AA, US2012016582 AA, US2012016576 AA, US2011289019 AA, US2011288762 AA, US2011264366 AA,

US2011238457 AA, US2011225068 AA, US2011224898 AA, US2011184642 AA, US2011112747 AA, US2011093306 AA, US2011041088 AA, US2011040440 AA, US2011016514 AA, US2011016199 AA, US2010312466 AA, US2010281381 AA, US2010274479 AA, US2010211340 AA, US2010188288 AA, US2010153005 AA, US2010145609 AA, US2010121565 AA, US2010088163 AA, US2010076675 AA, US2010036606 AA, US2010036599 AA, US2010017110 AA, US2009326991 AA, US2009254272 AA, US2009248605 AA, US2009248587 AA, US2009234521 AA, US2009228317 AA, US2009079555 AA, US2009063045 AA, US2009048774 AA, US2008294339 AA, US2008249667 AA, US2008235688 AA, US2008183376 AA, US2008125958 AA, US2008097731 AA, US2008071428 AA, US2008036778 AA, US2008014908 AA, US2007276582 AA, US2007263590 AA, US2007208492 AA, US2007173993 AA, US2007162372 AA, US2007156326 AA, US2007106465 AA, US2007027612 AA, US2007027593 AA, US2006241854 AA, US2006212327 AA, US2006129691 AA, US2006100777 AA, US2006099959 AA, US2006097855 AA, US2005222933 AA, US2005195096 AA, US2005171692 AA, US2005107951 AA, US2005090978 AA, US2005080520 AA, US2005043884 AA, US2004254698 AA, US2004104842 AA, US2004090950 AA, US2004088392 AA, US2004077347 AA, US2004039520 AA, US2004039504 AA, US2003223408 AA, US2003197612 AA, US2003031167 AA, US2002128773 AA, US2002111715 AA, US2002077750 AA, US2001039520 AA, US2001014849 AA, KR20120078130 A, KR20020002954 A, JP2012141755 A2, CN101334289 A, CA2607465 AA,

Forward Citations: WO17026999, WO16123303, WO16065320, WO15179532, WO15177495, WO15088522, WO15026449, WO15017848, WO14159127, WO14151398, WO13192214, WO13192214, WO13188843, WO13188843, WO13188097, WO13052970, WO13040376, WO13040376, US9721305, US9714837, US9714831, US9704303, US9702719, US9702716, US9697485, US9691280, US9691194, US9691091, US9677896, US9676382, US9672667, US9671242, US9665101, US9650042, US9650038, US9631940, US9623876, US9613468, US9613466, US9610949, US9607342, US9598843, US9588988, US9587954, US9576291, US9563893, US9527399, US9523583, US9506764, US9489845, US9479601, US9472030, US9462545, US9459111, US9446768, US9443219, US9440655, US9429442, US9390451, US9387768, US9380158, US9371004, US9361271, US9355423, US9333996, US9327712, US9324198, US9316504, US9313616, US9310204, US9261377, US9256992, US9250091, US9230232, US9211891, US9208626, US9175971, US9172549, US9157756, US9151630, US9147353, US9146131, US9140567, US9129449, US9121710, US9117190, US9103688, US9103686, US9097549, US9097547, US9082144, US9079505, US9070100, US9068848, US9066298, US9062985, US9057625, US9056556, US9037406, US9014876, US8996295, US8996287, US8996198, US8989999, US8983778, US8983762, US8972185, US8938348, US8935090, US8928469, US8918243, US8907776, US8896430, US8886453, US8886418, US8874367, US8855920, US8849742, US8849561, US8849499, US8825248, US8793062, US8768623, US8755993, US8738196, US8731974, US8706416, US8706409, US8670877, US8577935, US8510324, US8423283, US8416067, US8290701, US8214142, US2017090479, US2017053531, US2016305791, US2016282129, US2016202082, US2016187151, US2016159360, US2016123755, US2016052420, US2016003620, US2015371517, US2015356576, US2015298680, US2015262091, US2015226572, US2015226566, US2015161828, US2015120600, US2015116114, US2015100207, US2015066355, US2015061550, US2015019132, US2015006002, US2014336845, US2014303885, US2014282010, US2014278092, US2014278053, US2014277971, US2014245160, US2014222337, US2014172218, US2014121878, US2014107913, US2014107912, US2014074391, US2014067489, US2014046593, US2014046518, US2013282272, US2013282263, US2013245870, US2013226367, US2013218427, US2013179027, US2013166469, US2013158898, US2013151107, US2013151046, US2013151028, US2013104035, US2013096979, US2013096826, US2013096818, US2013070754, US2013046526, US2013046466, US2013046465, US2013046457, US2013030691, US2013024227, US2013018583, US2013018573, US2013013139, US2012330714, US2012256770, US2012253889, US2012253888, US2012253867, US2012253862, US2012253548, US2012232783, US2012209522, US2012197875, US2012185118, US2012158608, US2012150551, US2012123657, US2012109508, US2012029800, US2011270520, US2011238457, US2011225105, US2011224852, US2011224841, US2011161380, US2011161138, US2011130885, US2011054776, US2010153005, US2006291396, JP2014153264, EP2835773, DE102013003411, CN105229417, CN105143827, CN105091898, CN104075720, CN103569126, CN103440524, CN103376119, CN103294887, CN103294887, CN102610090, AU2014218387,

Abstract:
Source: US2010153005A Embodiments provide systems and methods that find the quickest route between two locations on a graph with multi−edge constraints in a time and space efficient manner. In some embodiments, Dijkstra's algorithm is split into separate universes when a) a multiple−edge constraint is reached, and b) along each edge of a multi−edge constraint. In some embodiments, the split is performed for the purpose of finding the quickest (i.e. lowest weighted) route to the intersection(s) at the end of the constraints. These universes, in some

embodiments, are merged or discarded when the intersection at the end of the constraint is found. Using these systems and methods, in some embodiments, the shortest path between two locations of a multi–edge constrained road network can be efficiently determined.

0) US6465207B – SILVER–BASED STAINING PROCESSES EMPLOYING NON–G...

79) Family number: 23125799 (US6465207B) © PatBase

Title: Silver–based staining processes employing non–gelling gelatin

Priority: US20000706537 20001103 WO2001US31099 20011004

Family:

Publication number	Publication date	Application number	Application date
AT428912 E	20090515	AT20010977477T	20011004
AU2001296593 AA	20020515	AU20010296593	20011004
DE60138406 D1	20090528	DE20016038406	20011004
EP1330638 A2	20030730	EP20010977477	20011004
EP1330638 B1	20090415	EP20010977477	20011004
ES2322692 T3	20090625	ES20010977477T	20011004
US6465207 BA	20021015	US20000706537	20001103
WO0237081 A2	20020510	WO2001US31099	20011004
WO0237081 A3	20020711	WO2001US31099	20011004

Probable Assignee: DAKO DENMARK A S

Assignee(s):(std)**:** CYTOLOGIX CORP ; DAKO DENMARK AS

Assignee(s): OXFORD BIOSCIENCE PARTNERS III LP ; DAKO DENMARK A S

Inventor(s):(std)**:** LEEK ADRIAN ELMER ; LEEK ADRIAN

Inventor(s): ADRIAN ELMER LEEK

Agent(s): KIRKHAM NICHOLAS ANDREW ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): G01N1/30 (Advanced/Invention); G01N1/30 (Core/Invention)

International class (IPC 1–7): C12P39/00 C12Q1/00 C12Q1/04 G01N1/30

CPC: G01N1/30 G01N2001/302

European class: G01N1/30 S01N1/30A

US class: 435/34 435/4 435/40.5 435/405 435/42

Classification Explorer

Cited documents: US6092695, US6092659 A, US6086893 A, US5965454 A, US5695942 A, US5645114 A, US5316452 A, US4338335 A, US4273762 A, US4147772 A,

Forward Citations: US2011182960, EP2011874, EP1232262, EP1232262,

Abstract:
Source: US6465207B An automated method for the silver metal staining of a biological specimen includes treating the biological specimen with a solution including non–gelling gelatin, a solution including a silver salt and a solution including a reducing agent. Non–gelling gelatin is soluble in cold water and the non–gelling gelatin solution can be formed and dispensed onto the biological specimen from liquid dispensers at room temperature. The method can be used in an automated process to detect spirochetes and other bacteria in tissue sections.

80) Family number: 61913149 (WO16042081A1) © PatBase

Title: BENZYL SUBSTITUTED INDAZOLES AS BUB1 KINASE INHIBITORS

Priority: EP20140185600 20140919 EP20140185844 20140922 WO2015EP71335 20150917

Family:

Publication number	Publication date	Application number	Application date
CA2961586 AA	20170316	CA20152961586	20150917
EP3194381 A1	20170726	EP20150763929	20150917
WO16042081 A1	20160324	WO2015EP71335	20150917

Probable Assignee: BAYER PHARMA AG

Assignee(s):(std)**:** BAYER PHARMA AG

Assignee(s): BONE WILHELM ; BRIEM HANS ; CLEVE ARWED ; FERNANDEZ MONTALVAN AMAURY ERNESTO ; MONNING URSULA ; SCHRODER JENS ; MENGEL ANNE ; MULLER THOMAS ; SIEMEISTER GERHARD ; HITCHCOCK MARION ; BARFACKER LARS

Inventor(s):(std)**:** AMAURY FERNANDEZ MONTALVAN ; BAERFACKER LARS ; BARFACKER LARS ; BONE WILHELM ; BRIEM HANS ; CLEVE ARWED ; FERNANDEZ MONTALVAN AMAURY ERNESTO ; HITCHCOCK MARION ; MENGEL ANNE ; MOENNING URSULA ; MONNING URSULA ; MUELLER THOMAS ; MULLER THOMAS ; SCHRODER JENS ; SCHROEDER JENS ; SIEMEISTER GERHARD

Agent(s): FETHERSTONHAUGH AND CO; BIP PATENTS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/506 A61K31/5377 A61P35/00 C07D401/14 C07D403/14 (Advanced/Invention)

CPC: C07D401/14 C07D403/14

Classification Explorer

Cited documents: WO13050438 A1,

Forward Citations: US9682974,

Abstract:
Compounds of formula (I) and their use as pharmaceuticals.

0) US6896155B – SHOWER CURTAIN WITH REMOVABLE DISPENSING POCKET...

81) Family number: 31932969 (US6896155B) © PatBase

Title:	SHOWER CURTAIN WITH REMOVABLE DISPENSING POCKETS FOR RETAINING ARTICLES USED IN THE SHOWER
Priority:	US20030436422 20030512

Family:

Publication number	Publication date	Application number	Application date
US6896155 BA	20050524	US20030436422	20030512

Probable Assignee:	CHALLIS JERRI
Assignee(s):(std):	CHALLIS JERRI ; JONES WARREN
Inventor(s):(std):	CHALLIS JERRI ; JONES WARREN
Agent(s):	KROLL MICHAEL I; MICHAEL I
International class (IPC 8–9):	A47K3/38 (Advanced/Invention); A47K3/28 (Core/Invention)
International class (IPC 1–7):	A30K3/00
CPC:	Y10S160/06 Y10S383/906 A47K3/38
European class:	A47K3/38
US class:	160/DIG.6 222/106 222/181.1 222/181.2 222/482 383/41 383/906

Classification Explorer

Cited documents:	US6176394 BA, US6176394 B1, US6065649 A, US5901769 A, US5794819 A, US5761751 A, US5544369 A, US4279362 A, US2613368 A, US2004016055 AA,
Forward Citations:	USD701708, USD686024, USD683564, USD583602, US9038211, US7000674, US2014026316, US2011099710, US2010243181, US2009151068, US2006080770,

Abstract:
Source: US6896155B The present invention **10** discloses a standard shower curtain **12** that has a plurality of individual dispensers **14** affixed to the inner side **16** thereof. These dispensers **14** provide means to contain and dispense shampoo, conditioner, liquid soap, and other amenities thus avoiding clutter and soiling around the bathtub **18** or shower stall **20**. One embodiment of the present invention **10** discloses a dispenser pocket **14** providing means to close **24** and seal the liquid contents **25** within the pocket and discloses an interlocking seal channel **24** type closing mechanism at the top **30** of the pocket. Once the pocket **14** is filled with desired liquid **25**, the pocket is sealed by pressing a seal channel **24** on each side of the pocket together. A release button **26** attached to the spout **28** at the bottom of the pocket **14** provides means to dispense the liquid contents **25** from the pocket. The button **26** is depressed to allow the liquid contents **25** to be dispensed from the pocket **14** and released to stop the flow. Another embodiment is open **32** at the top and has multiple drain holes **34** disposed in the bottom.

0) DE20216669U1 – TEMPORARY TOILET UNIT FOR BUILDING SITES OR FES...

82) Family number: 31420285 (DE20216669U1) © PatBase

Title: TEMPORARY TOILET UNIT FOR BUILDING SITES OR FESTIVALS CAN BE MADE MORE COMPACT FOR TRANSPORTATION BY SLIDING THE SIDE WALLS INTO A SPACE BEHIND THE DOOR REGION AND FOLDING THE FLEXIBLE ROOF AND FLOOR ELEMENTS

Priority: DE20022016669U 20021029

Family:

Publication number	Publication date	Application number	Application date
DE20216669 U1	20030515	DE20022016669U	20021029

Probable Assignee: GOECK MELANIE

Assignee(s):(std)**:** GOECK MELANIE ; KESSLER DIANA

International class (IPC 8–9): E03D7/00 E04H1/12 (Advanced/Invention); E03D7/00 E04H1/12 (Core/Invention)

International class (IPC 1–7): E03D7/00

CPC: E03D7/00 E04H1/1216

European class: E03D7/00 E04H1/12B2

Classification Explorer

Abstract:
Source: DE20216669U1 The toilet unit can be made more compact for purposes of transport by sliding the side walls (3) into a space behind the door region and by folding the flexible roof and floor elements (17, 18).

0) US6547104B – COMBINATION TOOTHPASTE DISPENSER AND ORAL HYGIE...

83) Family number: 28467941 (US6547104B) © PatBase

Title: Combination toothpaste dispenser and oral hygiene assembly

Priority: US19990151350P 19990830 US20000645093 20000824

Family:

Publication number	Publication date	Application number	Application date
US6547104 BA	20030415	US20000645093	20000824

Probable Assignee: WILKINSON WILLIAM T

Assignee(s): WILKINSON WILLIAM T

Inventor(s):(std)**:** WILKINSON WILLIAM T

International class (IPC 1–7)**:** B67D1/07

CPC: A47K5/18

European class: A47K5/18

US class: 222/192 222/320 222/386 222/93

Classification Explorer

Cited documents: USD308475 S1, US5979706 A, US5871124 A, US5842604 A, US5732722 A, US5676279 A, US5638840 A, US5547107 A, US5228595 A, US5092496 A, US4955567 A, US4934389 A, US4827951 A, US4817826 A, US4784294 A, US4776492 A, US4673106 A, US4508239 A, US4292705 A, US3178060 A, US2828891 A, US1858134 A,

Forward Citations: WO15171133, US8616411, US8579163, US8550299, US8523472, US8016157, US8006709, US7243663, US2015014359, US2013112713, US2013015201, US2009226237, US2007102442, GB2525254, GB2441381, CN103549907,

Abstract:
Source: US6547104B A combined toothpaste dispenser and oral hygiene assembly includes a toothpaste dispenser which is preferably a rigid pump. A holder is mounted to the outer component of the pump for detachably housing at least one oral hygiene or personal care tool. Such tool may be a dental floss dispenser and/or toothbrushes. Preferably, a cover is mounted over the top of the dispenser to provide sanitary protection for the dispenser and the personal care tools and to function as a cup as well as enhancing the aesthetic appearance of the assembly.

0) US2008169303A – PLAYGROUND TISSUE DISPENSER

84) Family number: 42022858 (US2008169303A) © PatBase

Title: PLAYGROUND TISSUE DISPENSER

Priority: US20070653492 20070116

Family:

Publication number	Publication date	Application number	Application date
US2008169303 AA	20080717	US20070653492	20070116

Probable Assignee: BROOKIE ANNE L

Assignee(s):(std)**:** BROOKIE ANNE L

Inventor(s):(std)**:** BROOKIE ANNE L

Agent(s): INDIANAPOLIS OFFICE 27879, BRINKS HOFER GILSON AND LIONE; INDIANAPOLIS OFFICE 27879 BRINKS HOFER GILSON AND LIONE

International class (IPC 8–9): B65H1/00 (Advanced/Invention); B65H1/00 (Core/Invention)

CPC: A47K10/424

European class: A47K10/42C

US class: 221/24 221/34

Classification Explorer

Cited documents: USD522286 S1, USD521778 S1, USD480243 S1, USD463930 S1, USD310395 S1, USD266809 S1, USD248198 S1, USD215855 S1, US6997322 BB, US6863192 BB, US6769538 BB, US6364156 BA, US6189730 BA, US6170692 BA, US6152079 A, US5577635 A, US5161656 A, US2902187 A, US2340090 A, US2005067519 AA, US2004217122 AA, US2003029881 AA, US2002050032 AA,

Forward Citations: WO11062532, USD689298, US2010219199, GB2527641,

Abstract:
Source: US2008169303A A facial tissue dispenser includes a first compartment sized to receive a supply of facial tissues, and a lower supporting surface including an opening facilitating a serial dispensing of the facial tissues. A second compartment coupled to the first compartment provides a supply of trash bags. A connector coupled to an exterior surface of one of the first and second compartments supports one of the trash bags in a trash–receiving attitude. A supporting element supports the dispenser and trash bag at a convenient height for use by children.

85) Family number: 45169996 (US2010173024A) © PatBase

Title: METHODS AND COMPOSITIONS FOR ALTERING HEALTH, WELLBEING, AND LIFESPAN

Priority: US20080118945P 20081201 US20090629040 20091201 WO2009US66294 20091201 US20130084553 20131119 US20130898307 20130520

Family:

Publication number	Publication date	Application number	Application date
AU2009322474 AA	20100610	AU20090322474	20091201
CA2745376 AA	20100610	CA20092745376	20091201
CN102300578 A	20111228	CN200980155929	20091201
EP2370086 A2	20111005	EP20090831006	20091201
IN02627KN2011 A	20120113	IN2011KN02627	20110624
US2010173024 AA	20100708	US20090629040	20091201
US2014079836 AA	20140320	US20130084553	20131119
WO10065567 A2	20100610	WO2009US66294	20091201
WO10065567 A3	20101118	WO2009US66294	20091201

Probable Assignee: LIFESPAN EXTENSION LLC

Assignee(s):(std)**:** LIFESPAN EXTENSION LLC ; MCDANIEL DAVID H

Inventor(s):(std)**:** MCDANIEL DAVID H

Inventor(s): MCDANIEL DAVID

Agent(s): FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; GOUDREAU GAGE DUBUC; WALTON SEAN MALCOLM; KLARQUIST SPARKMAN LLP; HARDING TANYA M

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A61K31/05 A61K31/122 A61K31/16 A61K31/166 A61K31/19 A61K31/192 A61K31/216 A61K31/352 A61K36/185 A61K36/736 A61K36/74 A61K36/82 A61K36/889 A61P11/00 A61P17/00 A61P5/00 C12N5/00 C12Q1/68 C40B40/06 (Advanced/Invention); A61K31/045 A61K31/122 A61K31/16 A61K31/166 A61K31/185 A61K31/21 A61K31/352 A61K36/185 A61K36/88 A61P11/00 A61P17/00 A61P5/00 C12N5/00 C12Q1/68 C40B40/04 (Core/Invention)

CPC: A61K36/74 A61K31/122 A61K31/05 A61K31/16 A61K31/166 A61K36/13

European class: A61K31/05 A61K31/16 A61K31/166 A61K36/13

US class: 424/729 424/729P 424/735 424/735S 424/769 424/769S 424/777 435/375 435/375S 435/410 435/410S 435/6 435/6.1 435/6.100S 435/6.12 435/6S 506/16 506/16S 514/456 514/456S 514/533 514/533S 514/557 514/557S 514/570 514/570S 514/690 514/690S 514/733 514/733S

Classification Explorer

Cited documents: WO07104867 A2, WO05102373 A2, US7582674 BB, US7544497 BB, US7455860 BB, US7345178 BB, US7179816 BB, US7056513 BB, US7054758 BB, US7037683 BB, US6989150 BA, US6906181 BB, US6787300 BB, US6756045 BA, US6753411 BB, US6713506 BB, US6670390 BA, US6663659 BB, US6638971 BB, US6630516 BB, US6572882 BA, US6414037 BA, US6361815 BA, US6319708 BA, US6288583 BA, US6270780 BA, US6228583 BA, US4695590 A, US2008299092 AA, US2008279786 AA, US2008268467 AA, US2008262081 AA, US2008249103 AA, US2008249012 AA, US2008234310 AA, US2008229436 AA, US2008226744 AA, US2008213812 AA, US2008176223 AA, US2008161267 AA, US2008161255 AA, US2008119433 AA, US2008057162 AA, US2007275944 AA, US2007231371 AA, US2007231048 AA, US2007202091 AA, US2007196850 AA, US2007179174 AA, US2007161022 AA, US2007149466 AA, US2007078113 AA, US2007043050 AA, US2007042962 AA,

US2007037865 AA, US2007037827 AA, US2007037810 AA, US2007037809 AA, US2006263508 AA, US2006263507 AA, US2006228707 AA, US2006078533 AA, US2006052323 AA, US2006025337 AA, US2006019314 AA, US2006018986 AA, US2005288359 AA, US2005267023 AA, US2005265953 AA, US2005197407 AA, US2005158855 AA, US2005152857 AA, US2005136537 AA, US2005129827 AA, US2005096256 AA, US2005053637 AA, US2005019474 AA, US2005009169 AA, US2004197282 AA, US2004180430 AA, US2003207325 AA, US2003161902 AA, US2003036079 AA, US2003008048 AA, US2002187239 AA, US2002151053 AA, US2002120008 AA, US2002052015 AA, US2002045588 AA, US2002019046 AA,

Forward Citations: WO16201246, WO16127342, WO16115233, WO16100774, WO15168426, WO15050744, WO15003254, WO14204025, WO14158849, WO14150602, WO14099109, WO13074801, WO13012760, WO12024236, WO12016018, US9713609, US9707213, US9682053, US9678075, US9554744, US9408410, US9351967, US9327003, US9198883, US9198454, US9144538, US9138393, US9125932, US9072692, US8623924, US8617886, US8056257, US2016361340, US2015178920, US2014227203, US2014193927, US2014140984, US2013252247, US2012010285, TWI481600, KR101497930, CN105531590, CN105055392, CN103430027, CN103355663, CN103355663, CN103243094, CN103243094, AU2011279555,

Abstract:
Source: US2010173024A Described herein are the results of comprehensive genetic expression and other molecular analysis of the effect of antioxidants on biological systems, including specifically different human cells. Based on these analyses, methods and compositions are described for modifying or influencing the lifespan of cells, tissues, organs, and organisms. In various embodiments, there are provided methods for modulating the activity of the gene maintenance process in order to influence the length and/or structural integrity of the telomere in living cells, as well as methods for modulating the rate/efficiency of the cellular respiration provided by the mitochondria, mitochondrial biogenesis, and maintenance of the mitochondrial membrane potential. Exemplary lifespan altering compounds include natural and synthetic antioxidants, such as plant antioxidant and polyphenol compounds derived from coffee cherry, tea, berry, and so forth, including but not limited to caffeic acid, chlorogenic acid, ferulic acid, quinic acid, proanthocyanidins, ubiquinone, idebenone, or a synthetic form or derivatives thereof.

0) US5931317A – GOLF RANGE FACILITATOR

86) Family number: 11656256 (US5931317A) © PatBase

Title: GOLF RANGE FACILITATOR

Priority: US19980008934 19980120

Family:

Publication number	Publication date	Application number	Application date
US5931317 A	19990803	US19980008934	19980120

Probable Assignee: SVENSON ROBERT M

Assignee(s): SVENSON ROBERT M ; ZUSACK MICHAEL R

Inventor(s):(std)**:** SVENSON ROBERT M ; ZUSACK MICHAEL R

International class (IPC 8–9)**:** A63B47/00 A63B55/02 A63B55/10 (Advanced/Invention); A63B55/08 A63B57/00 (Advanced/Non–invention); A63B47/00 A63B55/00 (Core/Invention); A63B55/08 A63B57/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63B55/00

CPC: A63B55/20 A63B55/60 A63B57/60 A63B55/10 A63B47/002 A63B2225/682 A63B2225/687 B62B2202/023

European class: A63B47/00D A63B55/02 A63B55/10 K63B225/68B K63B225/68D K63B55/08 K63B57/00W L62B202/023

US class: 211/14 211/70.2 211/85.7 473/282 473/405

Classification Explorer

Cited documents: US5829604 A, US5597363 A, US5586942 A, US5573122 A, US5564605 A, US5492384 A, US5467574 A, US5259622 A, US5071131 A, US4995614 A, US4464072 A, US4439884 A, US4177996 A, US4141558 A, US3612261 A, US2071356 A, US1625856 A,

Forward Citations: WO0145800, WO0145800, US9597575, US7896176, US2015018110, US2009184075, US2007215500, US2007167251, FR2802437,

Abstract:
Source: US5931317A A golf equipment organizing device for use at a golf range. The device provides organized storage of items used during a practice session. The device operates as a storage unit for over two hundred golf balls. Release of the golf balls is controlled by a sliding cover shield connected to a spring–loaded handle. A water storage tank is located adjacent to the golf ball storage area and contained within the device housing. The device also includes a golf tee holder, a towel–holding hook, a club cleaner, a drink cup dispenser, and a waste receptacle.

0) US2013037428A – MEDICINE PORTFOLIO AND ORGANIZER

87) Family number: 53007609 (US2013037428A) © PatBase

Title: MEDICINE PORTFOLIO AND ORGANIZER

Priority: US20110206509 20110810 US20130846227 20130318

Family:

Publication number	Publication date	Application number	Application date
US2013037428 AA	20130214	US20110206509	20110810
US2013220850 AA	20130829	US20130846227	20130318

Probable Assignee: WINGATE III HARRY LYNNWOOD

Assignee(s):(std)**:** WINGATE III HARRY LYNNWOOD

Inventor(s):(std)**:** WINGATE III HARRY LYNNWOOD

International class (IPC 8–9)**:** A61J1/03 B65D71/00 (Advanced/Invention)

CPC: A45C11/00 A45C13/02 A45C2011/007 A61J1/03 A61J7/0084 A61J2205/30

US class: 206/223

Classification Explorer

Cited documents: USD320308 S1, US8006846 BB, US791598 A, US7565979 BA, US6935133 BB, US6837346 BB, US6634473 BA, US6547070 BA, US6481577 BA, US6327497 BA, US6244400 BA, US6109442 A, US6065659 A, US5855274 A, US5799791 A, US5579916 A, US5366070 A, US5207303 A, US4960204 A, US4859084 A, US4799587 A, US4790417 A, US4753329 A, US4461332 A, US4429793 A, US4386642 A, US4241833 A, US2804969 A, US2648366 A, US2183428 A, US2167926 A, US2011132857 AA, US2009152159 AA, US2009026159 AA, US2005236290 AA, US2005029156 AA, US1155581 A,

Forward Citations: US9027768, US8950601, US2015289646, US2014262884, US2013292294, US2012200209,

Abstract:
Source: US2013037428A A portfolio for organizing and managing the storage, access and administration of prescription and/or over–the–counter medications. The portfolio that includes various storage mechanism, holders and tools that can be used for managing a patient's medications. The portfolio is a two–sided brief–case like device that can be secured in a closed position, or opened to gain access to the interior of the portfolio. The portfolio may include multiple pockets on the outside for storing various items, and a variety of pockets, sleeves, receptors and Velcro or hook and loop structures for receiving and holding various elements such as a pill dispenser, containers, pill bottles, etc. The portfolio can be pre–configured or configurable by including an interior that includes Velcro or hook and loop surfaces that can receive and securely hold various elements, such as medicine bottle receptors, pockets, sleeves, pill dispensers, communication devices, pouches, etc.

0) US2007049351A – WIRELESS EARPIECE

88) Family number: 34253689 (US2007049351A) © PatBase

Title: WIRELESS EARPIECE

Priority: US20050218391 20050829 US20050218392 20050829 US20050218860 20050902 US20090384871 20090409 US20110065577 20110324 US20120735174P 20121210 WO2006US32629 20060822 US20130943071 20130716

Family:

Publication number	Publication date	Application number	Application date
EP1929753 A2	20080611	EP20060789904	20060822
EP1929753 A4	20090520	EP20060789904	20060822
US2007049351 AA	20070301	US20050218391	20050829
US2007049362 AA	20070301	US20050218392	20050829
US2007054703 AA	20070308	US20050218860	20050902
US2009202096 AA	20090813	US20090384871	20090409
US2011170723 AA	20110714	US20110065577	20110324
US7505793 BB	20090317	US20050218392	20050829
US7505793 C1	20140210	US20050218392	20050829
US7536150 BB	20090519	US20050218860	20050902
US9438984 BA	20160906	US20130943071	20130716
WO07027467 A2	20070308	WO2006US32629	20060822
WO07027467 A3	20070607	WO2006US32629	20060822

Probable Assignee: RYANN WILLIAM F

Assignee(s):(std)**:** RYANN WILLIAM ; RYANN WILLIAM F ; RYANN WILLIAM FREDERICK

Inventor(s):(std)**:** RYANN WILLIAM ; RYANN WILLIAM F ; RYANN WILLIAM FREDERICK

Agent(s): RUTTENSPERGER BERNHARD ET AL; WILLIAM F RYANN; WILLIAM F RYANN STE 1629

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): H04H40/00 H04M1/00 H04R1/02 H04R1/10 H04R25/00 H04R5/033 (Advanced/Invention); H04M1/00 H04R25/02 (Advanced/Non–invention); H04M1/00 H04R1/02 (Core/Invention); H04M1/00 (Core/Non–invention)

CPC: H04R1/1016 H04R2420/07 H04B2001/3866 H04M1/05 H04M1/6066 H04M2250/02 H04R5/0335 H04R1/1066 H04R1/1041 H04R25/02 H04R1/105 A44C7/00 H04R1/02

European class: A44C7/00 H04M1/05 H04M1/60T2B2 H04R1/10B H04R5/033H T04B1/38P4H T04M1/60T2B2 T04M250/02 T04R1/10H T04R420/07

US class: 1/1 379/330 379/428.01 379/431 381/314 381/322 381/322P 381/374 381/374P 381/376 381/376S 381/77 455/3.06 455/41.2 455/569.1 455/569.100 455/569.100S 455/575.1 455/575.2 455/575.200P 455/575.6 455/575.7 455/90.3

Classification Explorer

Cited documents: WO05053352 A1, USD372312 S1, USD334855 S1, US9084054 BB, US8094850 BB, US7948208 BB, US7539525 BB, US7536150 BB, US7505793 BB, US7389868 BB, US7239110 BB, US7211986 BA, US7123737 BB, US7109602 BB, US7042196 BB, US7031485 BB, US7013018 BB, US6906495 BB, US6868284 BB, US6823171 BA, US6819772 BB, US6810987 BA, US6764133 BB, US6760459 BB, US6735306 BA, US6658124 BA, US6603863 BA, US6493453 BA, US6490362 BA, US6424820 BA, US6091832 A, US6091546 A, US6032486 A, US6005304 A, US5793875 A, US5721783 A, US5606621 A, US5457751 A, US4942617 A, US4827525 A, US2015110319 AA, US2014098983 AA, US2011170723 AA, US2008234009 AA, US2008067874 AA,

US2007159371 AA, US2007149261 AA, US2007141860 AA, US2007058831 AA, US2007049362 AA, US2007049351 AA, US2007009120 AA, US2006166705 AA, US2006043927 AA, US2006039577 AA, US2005207588 AA, US2005154593 AA, US2005143140 AA, US2005107131 AA, US2005046790 AA, US2005046789 AA, US2005018838 AA, US2004239874 AA, US2004208325 AA, US2004202339 AA, US2004198391 AA, US2004152961 AA, US2004136543 AA, US2004101151 AA, US2004066948 AA, US2004000848 AA, US2003211871 AA, US2003134666 AA, US2002193151 AA, US2001002928 AA, GB2402835 A1, EP1130881 A1, CN2504843,

Forward Citations: WO15010000, WO14143160, US9462100, US9438984, US9413790, US9137597, US9113275, US9084054, US9049515, US8903309, US8861771, US8472660, US8447031, US8023679, US7536150, US2014323183, US2014126740, US2014098983, US2013343562, US2013287241, US2013188803, US2011164778, US2009264161, US2009202096, US2009103759, US2007281762, US2007054703, KR101759047, JP6151427, JP2016512406, GB2466642, GB2464990, EP2507976,

Abstract:
Source: US2007049351A A wireless earpiece assembly configured with a casing to at least optionally be secured to an upper garment of a user. The assembly is configured to distribute a significant portion of its weight and bulk away from the isolated location of a user's ear for long term user comfort without sacrifice of audio or communicational integrity. The wireless earpiece assembly simultaneously minimizes the use of wiring employed, in order to optimize the un−encumbering user−friendly advantages afforded by wireless technology.

89) Family number: 41632640 (US2008076856A) © PatBase

Title: ENHANCED BORON NITRIDE COMPOSITION AND COMPOSITIONS MADE THEREWITH

Priority: US20060551345 20061020 US20060558389 20061109 WO2007IB51009 20070322 US20060826649P 20060922 US20060828649P 20061008 US20060828649P 20061010

Family:

Publication number	Publication date	Application number	Application date
CN101157770 A	20080409	CN200610064784	20061208
CN101157770 B	20121114	CN200610064784	20061208
CN101542416 A	20090923	CN200780043528	20070322
EP1908802 A1	20080409	EP20060024932	20061201
EP1908802 B1	20170412	EP20060024932	20061201
EP2064613 A1	20090603	EP20070735222	20070322
JP2008094701 A2	20080424	JP20060323725	20061130
JP5074012 B2	20121114	JP20060323725	20061130
KR101356828 B1	20140128	KR20060123904	20061207
KR20080032583 A	20080415	KR20060123904	20061207
US2008076856 AA	20080327	US20060558389	20061109
US2008085743 AA	20080410	US20060551345	20061020
US7527859 BB	20090505	US20060558389	20061109
US8198568 BB	20120612	US20060551345	20061020
WO08035235 A1	20080327	WO2007IB51009	20070322

Probable Assignee: GENERAL ELECTRIC CO

Assignee(s):(std)**:** SONY ERICSSON MOBILE COMM AB ; KLINGHULT GUNNAR ; GEN ELECTRIC ; MOMENTIVE PERFORMANCE MAT INC ; SONY MOBILE COMM AB ; SONY ERICSSON MOBILE COMMUNICATION AB

Assignee(s): JPMORGAN CHASE BANK NA ; SONY ERICSSON MOBILE COMMUNICATIONS AB ; SONY MOBILE COMMUNICATIONS AB ; MOMENTIVE PERFORMANCE MATERIALS INC ; GENERAL ELECTRIC COMPANY ; BANK OF NEW YORK MELLON TRUST CO ; BANK OF NEW YORK MELLON TRUST CO NA ; BANK OF NEW YORK MELLON TRUST CO NA COLLATERAL TRU ; BANK OF NEW YORK MELLON TRUST CO NA COLLATERAL TRUSTEE AS ; BANK OF NEW YORK MELLON TRUST CO NA COLLATERAL AGENT AS ; BOKF NA SUCCESSOR COLLATERAL AGENT AS ; GENERAL ELECTRIC CO

Inventor(s):(std)**:** ERIC THALER ; GUNNAR KLINGHULT ; KLINGHULT GUNNAR ; THALER ERIC ; ZHONG HONG ; HONG ZHONG

Agent(s): ZIMMERMANN GERD HEINRICH ET AL; ZIMMERMANN AND PARTNER PATENTANWAELTE MBB; VALEA AB; MOMENTIVE PERFORMANCE MATERIALS INC QUARTZ C O DILWORTH AND BARRESE LLP; HARRITY SNYDER LLP; WATERS JOSEPH E; JOSEPH E; MOORE AND VAN ALLEN PLLC; PATRICK B; RICHMOND GARTH ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B32B1/00 B32B5/66 C01B21/064 C01B35/08 C04B35/583 C04B35/628 C08K3/38 C08K9/06 C08L101/00 C08L21/00 C08L61/06 C08L63/00 C08L67/00 C08L69/00 C08L71/12 C08L77/00 C08L79/08 C08L81/02 C08L83/04 C09C1/00 C09K19/52 G06F1/16 G06F3/01 H04M1/00 H05B1/02 H05K1/03 (Advanced/Invention); B32B5/16 C01B21/064 C01B35/08 C08K3/38 (Advanced/Non–invention); B32B1/00 C01B21/00 C01B35/00 C08K3/00 C08K9/00 C08L101/00 C08L61/00 C08L63/00 C08L67/00 C08L69/00 C08L77/00 C08L79/00 C08L81/00 C08L83/00

G06F1/16 G06F3/01 H04M1/00 (Core/Invention); B32B5/16 (Core/Non–invention)

CPC: H04M1/67 G06F1/1626 G06F1/1632 G06F1/1684 G06F3/011 H04M2250/12 Y10T428/25 Y10T428/2991 Y10T428/2993 Y10T428/2995 Y10T428/2996 Y10T428/2998 C09C1/00 C01P2004/20 C01P2004/50 C01P2004/54 C01P2004/61 C04B35/583 C04B35/628 C08K9/06 C08L21/00 H05K1/0373 C01B35/08 C01B21/064

European class: C04B35/583 C04B35/628 C08K9/06 C09C1/00 G06F1/16P3 G06F1/16P6 G06F1/16P9P G06F3/01B H04M1/67 M01P4/20 M01P4/50 M01P4/54 M01P4/61 M08L21/00 T04M250/12 T05K1/03C4D

US class: 219/497 219/501 219/506 427/212 428/323 428/403 428/404 428/405 428/406 428/407 455/569.1 455/569.100P 523/445 524/404 524/588 524/81

Classification Explorer

Cited documents: WO06023860 A2, US82664906, US8014789 BB, US7255735 BB, US7076268 BB, US6951583, US6913827 BB, US6731088, US6652822 BB, US6645612 BB, US6436413 BA, US6330457 BA, US6162849 A, US6160042 A, US6048511, US5898009, US5681883 A, US5665511 A, US5421864 A, US4634785 A, US4623738 A, US2007200734 AA, US2005253815 AA, US2005153124 AA, US2005041373 AA, US2004220419 AA, US2004208812, US2004007764 AA, US2003129964 AA, US2001021740, JP9012771 A2, JP7215705 A2, JP5051557 A2, JP5051540 A2, JP4268324 A2, JP2097560 A2, JP2006257392 A2, JP2006241470 A2, JP2001329068 A2, JP1993051540, EP1806384 A1, EP1702907 A2, EP1414063 A2, EP1109382 A2, EP0424094 A1, EP0198374 A2, DE10034198 C1,

Forward Citations: WO16203164, WO13090168, WO12027194, WO12027194, WO10132522, WO10132522, WO10132512, WO10132512, USRE45923, USRE45803, US9713675, US9670340, US9632622, US9519296, US9505914, US9371449, US9254363, US9217985, US9127142, US9080036, US9061102, US9044543, US8852487, US8834739, US8796392, US8784980, US8764222, US8735487, US8440292, US8404768, US8344600, US8294601, US8288466, US8258346, US8169767, US8108000, US7914886, US7854795, US2014093294, US2011115652, US2010292508, US2010291371, US2010291365, US2010288968, US2010242799, US2010200801, US2010066230, US2010000650, US2009142498, US2009071695, JP6118667, JP5867426, JP2016141808, JP2015036361, JP2014166930, JP2014028749, JP2007182369, EP3092207, EP3050918, EP2458830, EP2323354, EP2275907, EP2275907, CN104284860, CN104262965, CN104072988, CN104063043, CN104063043, CN104030258, CN103713731, CN103435998, CN103435998, CN103304975, CN103289346, CN103289346, CN102421841, CN102421841, CN102421701, CN102421701,

Abstract:
Source: US2008076856A A boron nitride composition having its surface treated with a coating layer comprising at least an organosilicon compound. In one embodiment, the boron nitride powder surface is first treated by either a calcination process, or by coating with at least an inorganic compound for the surface to have a plurality of reactive sites containing at least a functional group that is reactive to at least one functional group of the organosilicon compound.

90) Family number: 54344255 (WO13105899A1) © PatBase

Title: FLEXIBLE ASSEMBLY LINE FOR CUTLERY PACKAGING

Priority: SG20120001988 20120110

Family:

Publication number	Publication date	Application number	Application date
SG192294 A1	20130830	SG20120001988	20120110
TW201336750 A	20130916	TW20130100764	20130109
WO13105899 A1	20130718	WO2013SG00010	20130109

Probable Assignee: K ONE IND PTE LTD

Assignee(s):(std)**:** K ONE IND PTE LTD

Inventor(s):(std)**:** CHEONG CHZE SEONG ; KONG MUN CHEW

Agent(s): SYNERGY IP PTE LTD

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B65B25/00 B65B35/24 B65D83/00 B65D85/00 B65G47/22 (Advanced/Invention)

CPC: B65B35/24 B65B9/00 B65B57/14 B65B2220/14

Classification Explorer

Cited documents: US6698572 BB, US2010212266 AA, US2006032191 AA, US2003029139 AA, EP0841247 B1,

Abstract:
A flexible assembly line (30, 200, 220, 230) for cutlery packaging comprises a cutlery assembly line (34) for receiving and dispensing cutlery items (31). The cutlery assembly line (34) further comprises an automatic organizer (36, 38, 40, 41, 54, 56, 58, 60, 62, 64, 66, 224, 240) on the cutlery assembly line (34) for picking the cutlery items (31) from randomly distributed or scattered cutlery items in forming one or more sets of eating utensils (31).

0) US2015344212A – SINGLE–USE PILL DISPENSER

91) Family number: 60977112 (US2015344212A) © PatBase

Title: SINGLE–USE PILL DISPENSER

Priority: US20140295288 20140603

Family:

Publication number	Publication date	Application number	Application date
US2015344212 AA	20151203	US20140295288	20140603

Probable Assignee: MELENDEZ CONSTANCE

Assignee(s):(std)**:** MELENDEZ CONSTANCE ; MELENDEZ JOHN

Inventor(s):(std)**:** MELENDEZ CONSTANCE ; MELENDEZ JOHN

International class (IPC 8–9)**:** A61J1/03 B65D5/02 B65D5/42 B65D83/04 (Advanced/Invention)

CPC: A61J1/03 B65D2585/56 B65D5/0227 B65D5/0209 B65D5/0236 B65D5/106

US class: 206/528

Classification Explorer

Cited documents: US2012292382 AA, US1863001 A,

Abstract:
Source: US2015344212A A single–use pill dispenser is fabricated from a moisture–resistant, recyclable material and includes a lipped, hollow body that has crush–resistant side walls. An integral folding closure involves one or more flaps which are formed by folding the lip of the hollow body in any of various configurations that are indicated by pre–made scores. The one or more flaps may then be folded into a closed position along additional pre–made scores. Folding along the pre–made scores biases the flaps to the closed position, protecting the contents therein from spillage and environmental contamination. In embodiments, the single–use pill dispenser is also operative as a drinking vessel. In embodiments, the single–use pill dispenser carries a printed form having blanks for entering information regarding contents and/or user.

0) US2008199849A – METHOD OF DERIVING PROGENITOR CELL LINE

92) Family number: 34278904 (US2008199849A) © PatBase

Title: METHOD OF DERIVING PROGENITOR CELL LINE

Priority:

AU20060285467	20060815	EP20070794267	20070815	SG20060285467	20060815
US20070878222P	20070103	US20060065549	20060815	US20060065551	20060815
US20050713992P	20050902	US20070377398	20070815	US20080065549	20080303
WO2007SG00257	20070815	WO2006SG00232	20060815	WO2006SG00233	20060815
US20100888724	20100923	US20100888791	20100923	US20130788627	20130307
WO2006SG00233	20080303	US20150595934	20150113	US20080065551	20080303

Family:

Publication number	Publication date	Application number	Application date
AU2006285467 AA	20070308	AU20060285467	20060815
AU2006285468 AA	20070308	AU20060285468	20060815
AU2007285057 AA	20080221	AU20070285057	20070815
AU2007285057 BB	20130801	AU20070285057	20070815
BRPI0617084 A2	20110712	BR2006PI17084	20060815
BRPI0617085 A2	20161108	BR2006PI17085	20060815
CN101341244 A	20090107	CN200680041020	20060815
CN101341245 A	20090107	CN200680041038	20060815
EP1937801 A1	20080702	EP20060769713	20060815
EP1943334 A1	20080716	EP20060769714	20060815
EP2054506 A1	20090506	EP20070794267	20070815
EP2617428 A1	20130724	EP20130164423	20070815
IL189878 A0	20081103	IL20060189878	20060815
IL189882 A0	20081103	IL20060189882	20060815
IN00861CN2009 A	20090605	IN2009CN00861	20090216
IN02193DN2008 A	20090320	IN2008DN02193	20080314
IN02228DN2008 A	20080704	IN2008DN02228	20080317
JP2009506769 T2	20090219	JP20080528989T	20060815
JP2009506770 T2	20090219	JP20080528990T	20060815
JP2010500047 T2	20100107	JP20090524583T	20070815
KR20080056181 A	20080620	KR20087007896	20060815
KR20080056182 A	20080620	KR20087007897	20060815
KR20090043559 A	20090506	KR20097005144	20090312
US2008199849 AA	20080821	US20060065549	20060815
US2008219957 AA	20080911	US20060065551	20060815
US2010323027 AA	20101223	US20070377398	20070815
US2011008298 AA	20110113	US20100888724	20100923
US2011014692 AA	20110120	US20100888791	20100923
US2013280719 AA	20131024	US20130788627	20130307
US2015197725 AA	20150716	US20150595934	20150113
US8815588 BB	20140826	US20070377398	20070815
US8962318 BB	20150224	US20060065551	20060815
US9005897 BB	20150414	US20130788627	20130307
US9018005 BB	20150428	US20100888791	20100923
US9029146 BB	20150512	US20070377398	20070815
WO07027156 A1	20070308	WO2006SG00232	20060815
WO07027157 A1	20070308	WO2006SG00233	20060815
WO08020815 A1	20080221	WO2007SG00257	20070815

Probable Assignee: AGENCY SCIENCE TECH AND RES

Assignee(s):(std)**:** AGENCY SCIENCE TECH AND RES ; AGENCY SCIENCE TECHNOLOGY AND ; AND RES AGENCY FOR SCIENCE TECHNOLOGY ; LYE ELIAS ; LIM SAI KIANG

Assignee(s): AGENCY FOR SCIENCE TECHNOLOGY AND RESEARCH ; AND RESEARCH AGENCY FOR SCIENCE TECHNOLOGY

Inventor(s):(std)**:** ELIAS LYE ; KIANG LIM SAI ; KIANG SAI ; LYE ELIAS ; LIM SAI KIANG

Inventor(s): SAI KIANG ; SAI KIANG LIM

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; FB RICE; FB RICE PTY LTD; DEMPSTER ROBERT CHARLES ET AL; HARDING CHARLES THOMAS ET AL; RICHARDS WILLIAM JOHN; ARAI EIICHI; FUJITA TAKASHI; RYUKA AKIHIRO; TANAKA NATSUO; HIRAKI YUSUKE; COHEN AND GRIGSBY PC; DAVID S RESNICK; NIXON PEABODY LLP; MARK J; GRIMES AND YVON LLP; FOO MOO KWANG

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K35/12 A61K35/28 A61K48/00 A61L27/00 A61P11/02 A61P13/12 A61P17/00 A61P17/02 A61P17/06 A61P19/08 A61P25/16 A61P25/28 A61P27/16 A61P29/00 A61P3/10 A61P35/00 A61P35/02 A61P37/02 A61P37/08 A61P43/00 A61P7/00 A61P9/00 A61P9/04 A61P9/10 C12N5/00 C12N5/02 C12N5/06 C12N5/07 C12N5/071 C12N5/073 C12N5/0775 C12N5/08 C12Q1/00 C12Q1/02 C12Q1/68 G01N33/50 (Advanced/Invention); A61K35/12 A61K35/14 A61K35/28 C12N5/02 C12N5/0735 C12N5/0775 G01N33/50 (Advanced/Non–invention); A61K48/00 A61L27/00 A61P17/00 A61P25/00 A61P35/00 A61P9/00 C12N5/00 C12N5/02 C12N5/0775 C12Q1/00 C12Q1/02 C12Q1/68 G01N33/50 (Core/Invention)

International class (IPC 1–7): C12N5/06

CPC: C12Q1/6809 C12N5/0018 C12N5/0606 C12N5/0611 C12N5/0663 C12N5/0668 C12N2500/90 C12N2509/00 A61K35/28 C12N5/0662 C12N2500/99 C12N2501/115 C12N2501/135 C12N2506/02 C12N5/0603 C12N2502/1352 C12N2501/734 G01N33/5044 C12N5/00 G01N33/50

European class: A61K35/28 C12N5/06B21P M12N500/99 M12N501/115 M12N501/135 M12N506/02

US class: 424/520 424/520P 424/93.7 424/93.700P 435/29 435/29S 435/325 435/325S 435/354 435/354P 435/366 435/366S 435/375 435/375S 435/377 435/377S 435/378 435/395 435/395S 435/4 435/404 435/404S 435/405 435/406 435/6.12 435/6.13

Classification Explorer

Cited documents: WO9920741 A1, WO9901159 A1, WO9901145 A1, WO9850526 A1, WO9422867 A1, WO9407913 A1, WO06121445 A2, WO05111197 A1, WO05108557 A1, WO05076845 A2, WO05024004 A1, WO03022988 A2, WO03004605 A2, WO0188104 A2, WO0132189 A1, WO0053795 A1, US7592176 BB, US7439064 BB, US7241273 BB, US7122019 BA, US7005252 BA, US6355239 BA, US6139524 A, US60921604 P, US6090622 A, US6040180 A, US6015554 A, US5968829 A, US5851832 A, US5849553 A, US5843780 A, US5766948 A, US5716827 A, US5661034 A, US5654183 A, US5635387 A, US5631159 A, US5486359 A, US5376542 A, US5192553 A, US4675187 A, US2006051334 AA, US2005208029 AA, US2005148034 AA, US2004052771 AA, US2003036194 AA, US2003021771 AA, US2002164791 AA, US2002164308 AA, JP2004535808 T2, JP2004506598 T2, JP2004275145 A2, JP2002537849 T2, EP0953633 A1, EP0600832 A1, EP0600831 A1, EP0516598 A1,

Forward Citations: WO17019986, WO16139340, WO16114438, WO15028900, WO14127219, WO14038639, WO14011881, WO14011407, WO14011407, WO13133650, WO13121427, WO13025042, WO13008803, WO12178215, WO12131733, WO12061491, WO12054935, WO12054935, WO12048093, WO12048093, WO12043814, WO12012570, WO12012570, WO11127090, WO11116117, WO11070001, WO11053257, WO11043524, WO11033260, WO11010966, WO10137722, WO10040302, WO09128533, WO09120043, WO09105044, WO08151390, WO08150498, USRE43876, US9700582, US9644238, US9593307, US9593306, US9593305, US9587224, US9567569, US9528090, US9506036, US9476030, US9458430, US9434920, US9423402, US9410945, US9388387, US9383358, US9301976, US9284528, US9284527, US9283172, US9234178, US9181528, US9175266, US9150833, US9133439, US9096832, US9080145, US9074189,

US9062290, US9034335, US9012218, US8940294, US8911963, US8846393, US8790638, US8785185, US8785184, US8778673, US8741643, US8628964, US8623648, US8512696, US8470595, US8455204, US7939322, US2017014454, US2015284679, US2015164783, US2014005062, US2013195991, US2012269786, US2012269785, US2012052049, US2011206647, US2011144009, US2011123500, US2011111499, US2010254953, US2010209398, US2008112890, TWI516596, TWI486447, KR20100122087, KR101640381, KR101486314, KR101070730, KR101032271, JP5788405, JP5718648, JP5710634, JP2014519854, JP2014038639, JP2013513366, JP2013008803, JP2011513217, JP2010137722, EP3117828, EP3111946, EP2872619, EP2669366, EP2606121, EP2606121, EP2194121, EP2194121, CN104487568, CN104471059, CN103509753, CN103509753, CN103502437, CN103347526, CN102686723, CN102228472, CN102014934, AU2009215934, AU2009215934,

Abstract:
Source: US2008199849A We disclose a method comprising: (a) providing an embryonic stem (ES) cell; and (b) establishing a progenitor cell line from the embryonic stem cell; in which the progenitor cell line is selected based on its ability to self−renew. Preferably, the method selects against somatic cells based on their inability to self−renew. Preferably, the progenitor cell line is derived or established in the absence of co−culture, preferably in the absence of feeder cells, which preferably selects against embryonic stem cells. Optionally, the method comprises (d) deriving a differentiated cell from the progenitor cell line.

0) US5881891A – CLEANING ORGANIZER FOR USE WITH CONVENTIONAL IN...

93) Family number: 11489286 (US5881891A) © PatBase

Title: Cleaning organizer for use with conventional institutional waste containers

Priority: US19970848864 19970501

Family:

Publication number	Publication date	Application number	Application date
US5881891 A	19990316	US19970848864	19970501

Probable Assignee: MURPHY JR ERLE N

Assignee(s):(std)**:** MURPHY JR ERLE N

Inventor(s):(std)**:** MURPHY JR ERLE N

International class (IPC 8–9): A47L13/51 (Advanced/Invention); A47L13/10 (Core/Invention)

International class (IPC 1–7): A47F7/00

CPC: A47L13/51

European class: A47L13/51

US class: 211/65 211/70.6 211/706 211/71.01 211/86.01

Classification Explorer

Cited documents: US5704496 A, US4947998 A, US4475660 A, US3780874 A, US3342343 A, US3298532 A, US3210091 A, US2035639 A,

Forward Citations: WO04096004, WO04096004, USD718509, US9682471, US9545936, US9216751, US9032949, US8876130, US8840122, US7845656, US7290651, US7240910, US6827357, US6823998, US2016068176, US2014375004, US2014102925, US2011304109, US2011271950, US2009301912, US2009266856, US2009019654, US2008272566, US2006157946, US2006027469, US2005194393, US2004217238, US2003122331,

Abstract:
Source: US5881891A A cleaning organizer for use with a conventional institutional waste container includes a symmetrical body for mounting on the upper end of the institutional waste container and extending exteriorly downwardly therefrom. A plurality of cleaning implements and articles are attached to the exterior surface of the body for ready access by a user. The cleaning implements and articles include a paper towel roll dispenser, a utility bucket, a compartmented chemical container, a utility pouch, dispensers for dispensing large and small plastic liners, and hooks for hanging towels and cloths. The cleaning organizer is arranged and constructed to leave the open upper end of the institutional waste container unobstructed while organizing the various cleaning implements and articles needed for performing the various cleaning tasks.

0) US2002049795A – COMPUTER ASSISTED TEXT INPUT SYSTEM

94) Family number: 31047358 (US2002049795A) © PatBase

Title: COMPUTER ASSISTED TEXT INPUT SYSTEM

Priority:

IL20010144051	20010628	IL20010151539	20010125	IL20010151590	20010124
IL20010151693	20010320	IL20010155133	20010925	IL20010156317	20011104
IL20010156358	20010628	IL20020157958	20020318	US20000254699P	20001207
US20000231105P	20000906	US20000204201P	20000331	US20010855099	20010515
US20000204102P	20000515	US20010859875	20010517	WO2001IL00245	20010315
WO2000IB00310	20000320	WO2000IL00609	20000928	WO2000IL00611	20000928
WO2001IL00069	20010124	WO2001IL00074	20010125	WO2000IB00302	20000320
WO2001IL00266	20010320	WO2001IL00600	20010628	WO2001IL00903	20010925
WO2001IL00267	20010320	WO2001IL01019	20011104	WO2002IL00215	20020318

Family:

Publication number	Publication date	Application number	Application date
AU2001242712 AA	20010924	AU20010242712	20010315
AU200139530 A5	20010924	AU20010039530D	20010314
AU200139531 A5	20010924	AU20010039531D	20010314
AU200142713 A5	20010924	AU20010042713	20010314
AU200144498 A5	20011003	AU20010044498D	20010320
IL151539 A0	20030410	IL20010151539	20010125
IL151590 A0	20030410	IL20010151590	20010124
IL151693 A0	20030410	IL20010151693	20010320
IL155133 A0	20031031	IL20010155133	20010925
IL156317 A0	20040104	IL20010156317	20011104
IL156358 A0	20040104	IL20010156358	20010628
IL157958 A0	20040328	IL20020157958	20020318
US2002049795 AA	20020425	US20010855099	20010515
US2002052900 AA	20020502	US20010859875	20010517
US6773344 BA	20040810	US20000628664	20000728
WO0169572 A1	20010920	WO2001IL00245	20010315
WO0169799 A2	20010920	WO2001IL00246	20010314
WO0169799 A3	20020214	WO2001IL00246	20010314
WO0169799 B8	20020411	WO2001IL00246	20010314
WO0169799 C1	20020411	WO2001IL00246	20010314
WO0169829 A2	20010920	WO2001IL00247	20010314
WO0169829 A3	20020829	WO2001IL00247	20010314
WO0169830 A2	20010920	WO2001IL00248	20010314
WO0169830 A3	20020620	WO2001IL00248	20010314
WO0170361 A2	20010927	WO2001IL00268	20010320
WO0170361 A3	20020808	WO2001IL00268	20010320

Probable Assignee: HASBRO INC

Assignee(s):(std)**:** GABAI JACOB ; GABAI OZ ; WEISS NATHAN ; SANDLERMAN NIMROD ; PFEFFER ZVIKA ; YURAN NOAM ; ROSENFELD SHERMAN ; VECHT LIFSCHITZ SUSAN EVE ; BY PASS INC ; CREATOR LTD

Assignee(s): FREEMAN ALFRED BOYD ; AMIR LOSHAKOV ; HASBRO INC ; IDO KILEMNIK

Inventor(s):(std)**:** GABAI JACOB ; GABAI OZ ; JACOB GABAI ; NATHAN WEISS ; NIMROD SANDLERMAN ; NOAM YURAN ; OZ GABAI ; PFEFFER ZVIKA ; ROSENFELD SHERMAN ; SANDLERMAN NIMROD ; SANLERMAN NIMROD ; SHERMAN ROSENFELD ; SUSAN EVE VECHT LIFSCHITZ ; VECHT LIFSCHITZ SUSAN EVE ; WEISS NATHAN ; YURAN NOAM ; ZVIKA PFEFFER ; FREEMAN ALFRED BOYD

Inventor(s): IDO KILEMNIK ; AMIR LOSHAKOV

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): A63F13/00 A63H13/00 A63H3/28 A63H30/04 A63H33/00 G06F17/00 G06F19/00 G06F3/023 G06F3/033 G06F3/048 G06Q30/00 G06Q30/02 G09B3/00 G09B5/06 (Advanced/Invention); A63F13/00 A63H13/00 A63H3/00 A63H30/00 A63H33/00 G06F19/00 G06Q30/00 G09B3/00 G09B5/00 (Core/Invention); A61B (Subclass/Invention)

International class (IPC 1–7): A61B A63F13/00 A63F9/22 A63H13/00 A63H3/00 A63H3/28 A63H33/00 A63H5/00 G06F15/00 G06F17/00 G06F17/60 G09B3/00 G09B5/00 G09B5/06 H04B H04L

CPC: A63H3/28 G06Q30/02 A63F9/183 A63H30/04 A63H2200/00 G06F3/0237 G06F3/04883

European class: A63H3/28 A63H30/04 G06F17/60B2 G06F3/023M8 G06F3/033D2G G06F3/0488G G06Q30/02 K63F9/18E K63H200/00

US class: 463/1 463/42 707/531 707/534 715/256 715/256P 715/262 715/262P

Classification Explorer

Cited documents: WO9954015 A1, WO9910065 A2, WO9908762 A1, WO9853567 A1, WO9852667 A2, WO9843456 A1, WO9718871 A2, US6692170 BB, US6407779 BA, US6368177 BA, US6295448 BA, US6178446 BA, US6160986 A, US6160540 A, US6089942 A, US6088649 A, US6075195 A, US6022273 A, US6012961 A, US5977951 A, US5944533 A, US5926567 A, US5855483 A, US5769269 A, US5752880 A, US5746602 A, US5655945 A, US5649223 A, US5636994 A, US5607336 A, US5455570 A, US5442547 A, US5299125 A, US5270480 A, US5252951 A, US5210689 A, US5191615 A, US5101364 A, US4984380 A, US4891786 A, US4857030 A, US4846693 A, US4840602 A, US4760528 A, US4117605 A, HUT50648, DE29815874 U1, DE2981587, BE1011272 AG,

Forward Citations: WO15139196, WO14018799, WO12150982, WO12014211, WO12014211, WO12000927, WO11078796, WO08155753, WO08142493, WO08137765, WO08021760, WO08021760, WO07092542, WO07059456, WO07059456, WO06116408, WO04055631, WO03096171, USRE44054, USD748200, USD748199, USD604328, USD601584, USD598933, USD583826, USD582941, USD579951, USD579024, US9721269, US9713766, US9712359, US9707478, US9706345, US9704336, US9703896, US9697264, US9696757, US9691018, US9675895, US9675878, US9674347, US9667624, US9656172, US9649565, US9640083, US9628844, US9626685, US9616334, US9610513, US9600484, US9594748, US9592443, US9579568, US9573069, US9573035, US9571702, US9565402, US9555326, US9552434, US9535563, US9526979, US9522341, US9521452, US9520069, US9517404, US9516074, US9510693, US9507778, US9480929, US9478215, US9474964, US9474962, US9474961, US9468854, US9463380, US9457263, US9448711, US9446319, US9446316, US9442576, US9442573, US9440158, US9436354, US9427658, US9421475, US9403096, US9396437, US9393500, US9393492, US9393491, US9387407, US9381439, US9372544, US9357317, US9344817, US9342186, US9338490, US9327200, US9320976, US9302192, US9300662, US9289691, US9278283, US9272206, US9238171, US9224172, US9186585, US9183560, US9180380, US9178743, US9167241, US9162148, US9158794, US9154837, US9143344, US9141907, US9138650, US9132344, US9131023, US9126122, US9110903, US9100785, US9100685, US9092114, US9067140, US9044678, US9043727, US9039533, US9039483, US9039482, US9037486, US8996579, US8986115, US8983838, US8972369, US8972324, US8966563, US8961414, US8961312, US8961260, US8959541, US8958895, US8942637, US8915785, US8914342, US8913011, US8911277, US8909920, US8904458, US8904298, US8900030, US8898687, US8894462, US8893199, US8892495, US8888576, US8870657, US8854311, US8849242, US8843970, US8839314, US8836719, US8836500, US8827810, US8827760, US8826383, US8825694, US8821208, US8814689, US8814688, US8814624, US8813107, US8808053, US8799371, US8795072, US8790180, US8787672, US8777687, US8769099, US8762285, US8760395, US8758136, US8753167, US8753166, US8753165, US8745680, US8745133, US8734254, US8734242, US8730037, US8721456, US8721344, US8711094, US8708821, US8706406, US8702515, US8686579, US8676852, US8671154, US8668585, US8650553, US8644511, US8641471, US8636588, US8636558, US8635659, US8635637, US8633981, US8632394, US8626819, US8620113, US8612302, US8608535, US8594702, US8591302, US8589486, US8585497, US8584257, US8583668, US8574020, US8568189, US8565922, US8560913, US8560611, US8560390, US8556732, US8554623, US8549440, US8549416, US8545335, US8538811, US8535151, US8531050, US8516553,

US8512121, US8510800, US8503703, US8500511, US8498654, US8491389, US8475275, US8473099, US8471679, US8467721, US8465338, US8464166, US8460052, US8452855, US8447332, US8434116, US8433580, US8408963, US8407599, US8402356, US8401912, US8398546, US8390744, US8386506, US8384668, US8380725, US8375058, US8373659, US8371932, US8370393, US8370198, US8368648, US8365218, US8364611, US8360887, US8353767, US8348716, US8342929, US8330284, US8324492, US8323068, US8321513, US8317566, US8316097, US8307029, US8300862, US8292688, US8287372, US8285654, US8282476, US8281027, US8275606, US8271506, US8270951, US8267793, US8255807, US8250143, US8248528, US8248367, US8239259, US8235816, US8229355, US8228224, US8226493, US8221220, US8216065, US8214859, US8205158, US8199126, US8190688, US8187073, US8185841, US8185100, US8184097, US8172686, US8172637, US8169406, US8167709, US8166168, US8166016, US8164567, US8150967, US8142287, US8140560, US8135842, US8134061, US8128500, US8128498, US8118636, US8108778, US8107605, 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CN103079657, AU2008264803,

Abstract:
Source: US2002049795A The disclosure includes five different display presentations, two for Handheld computers and three for Laptops or Desktops, for the word start inputs with a Stylus, Mouse or other type Pointer. Pointer selects displayed items and executes strokes to input text to computers. Displayed items include starting letters, or SLs, very frequent words, or VFWs, Digits, and 2nd, 3rd, and 4th letters of SLSs. Strokes and "Sections' diagrams and tables show assignments obtained. Six SL and SLS obtained word set presentations enable further word inputs with a Pointer. Pointer strokes from Digits input members shown in table. Strokes following VFW and other word selections obtain "Associated Inputs' of tables as specified by Codes with words. Strokes following SL and SLS inputs add letters to extend SLSs for smaller word sets from vocabulary holding strings of the word stems of an abridged dictionary. Special "Letter Groups' effectively extend SLSs with eight strokes. A 1st Handheld model has SL and VFW displayed items. SL inputs single letter to access word sets from a Vocabulary, VFWs input VFWs. Strokes with SLs obtain various letter inputs and change vocabularies. Strokes with VFWs obtain "Associated Inputs', which include inflected forms, in place of VFWs. A 1st Laptop and Desktop model functions like the Handheld model with larger word sets. A 2nd Laptop and Desktop model assigns both a VFW and an SLS to each displayed item. Mouse buttons select VFWs or SLSs. Universal model for Handheld, Laptop and Desktop employs Vocabulary with strings of the word stems of an abridged dictionary and has displayed items consisting of Digits, SL and 2nd, 3rd and 4th letters of SLSs. SL and letter displayed items have both VFW and SLS assignments, the VFW being most frequent words with the respective SLS. Word sets obtained display on Desktop but not Handheld computers. Strokes extend SLSs for word sets displayable on Handheld computers.

0) US2015166533A – NOVEL 1,3–DIHYDRO–2H–BENZIMIDAZOL–2–ONE DERIVAT...

95) Family number: 55374766 (US2015166533A) © PatBase

Title: NOVEL 1,3–DIHYDRO–2H–BENZIMIDAZOL–2–ONE DERIVATIVES SUBSTITUTED WITH BENZIMIDAZOLES AS RESPIRATORY SYNCYTIAL VIRUS ANTIVIRAL AGENTS

Priority: EP20120172272 20120615 EP20130728749 20130614 WO2013EP62324 20130614

Family:

Publication number	Publication date	Application number	Application date
AU2013276520 AA	20131219	AU20130276520	20130614
CA2873921 AA	20141118	CA20132873921	20130614
CN104470916 A	20150325	CN201380031119	20130614
EA201590020 A1	20150331	EA20150090020	20130614
EP2864325 A1	20150429	EP20130728749	20130614
JP2015523350 T2	20150813	JP20150516622T	20130614
KR20150033645 A	20150401	KR20157000507	20130614
US2015166533 AA	20150618	US20130407155	20130614
WO13186334 A1	20131219	WO2013EP62324	20130614

Probable Assignee: JANSSEN SCIENCES IRELAND UC

Assignee(s):(std)**:** JANSSEN R AND D IRELAND ; JANSSEN SCIENCES IRELAND UC

Assignee(s): TIBOTEC PHARMACEUTICALS LTD ; COOYMANS LUDWIG PAUL ; DEMIN SAMUEL DOMINIQUE ; JANSSEN R AND D IRELANDEASTGATE VILLAGECOUNTY CORKEASTGATE LITTLE ISLANDIE ; TAHRI ABDELLAH ; JONCKERS TIM HUGO MARIA ; VENDEVILLE SANDRINE MARIE HELENE ; RABOISSON PIERRE JEAN MARIE BERNARD

Inventor(s):(std)**:** COOYMANS LUDWIG PAUL ; DEMIN SAMUEL DOMINIQUE ; JONCKERS TIM HUGO MARIA ; RABOISSON PIERRE JEAN MARIE BERNARD ; TAHRI ABDELLAH ; VENDEVILLE SANDRINE MARIE HELENE

Inventor(s): VENDEVILLE SANDRINE MARIE HELENEBE ; TAHRI ABDELLAHBE ; RABOISSON PIERRE JEAN MARIE BERNARDBE ; JONCKERS TIM HUGO MARIABE ; DEMIN SAMUEL DOMINIQUEBE ; COOYMANS LUDWIG PAULBE

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; VERBERCKMOES FILIP GERARD; KOBAYASHI HIROSHI; OHMORI NORIO; VERBERCKMOES FILIP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/4184 A61K31/437 A61K31/4709 A61P11/00 A61P31/12 C07D403/14 C07D413/14 C07D471/04 (Advanced/Invention)

CPC: A61K31/4184 A61K31/437 C07D471/04 C07D403/14

US class: 514/210.18 514/303 546/118 548/305.7

Classification Explorer

Cited documents: WO12080446 A1, WO03053344 A2, WO0226228 A1, WO0195910 A1, US8865705 BB, US6919331 BB, CN1436079 A,

Forward Citations: WO16022464, US6806294, US2016251377,

Abstract:
Source: US2015166533A The present invention is concerned with novel 1,3–dihydro–2H–benzimidazol–2–one derivatives substituted with benzimidazoles having formula (I) stereoisomeric forms thereof, and the pharmaceutically acceptable addition salts, and the solvates thereof, wherein R4, R5, Z and Het have the meaning defined in the claims. The compounds according to the present invention are useful as inhibitors on the replication of the respiratory syncytial virus (RSV). The invention further concerns the preparation of such novel

compounds, compositions comprising these compounds, and the compounds for use in the treatment of respiratory syncytial virus infection.

0) US2008204855A – ELECTROPHORETIC DISPLAY SHEET, ELECTROPHORETIC ...

96) Family number: 42120467 (US2008204855A) © PatBase

Title: ELECTROPHORETIC DISPLAY SHEET, ELECTROPHORETIC DISPLAY, METHOD FOR PRODUCING ELECTROPHORETIC DISPLAY, AND ELECTRONIC APPARATUS

Priority: JP20070044685 20070223 US20080034333 20080220 US20100797128 20100609

Family:

Publication number	Publication date	Application number	Application date
JP2008209526 A2	20080911	JP20070044685	20070223
JP4297170 B2	20090715	JP20070044685	20070223
US2008204855 AA	20080828	US20080034333	20080220
US2010245984 AA	20100930	US20100797128	20100609
US7804638 BB	20100928	US20080034333	20080220
US8427735 BB	20130423	US20100797128	20100609

Probable Assignee: SEIKO EPSON CORP

Assignee(s):(std)**:** SEIKO EPSON CORP ; YAMAMOTO HITOSHI

Inventor(s):(std)**:** YAMAMOTO HITOSHI

Agent(s): OLIFF AND BERRIDGE PLC

International class (IPC 8–9)**:** G02B26/00 G02F1/167 G02F1/17 (Advanced/Invention); G02B26/00 G02F1/01 (Core/Invention)

CPC: G02F1/167 G02F2001/1678

European class: G02F1/167 S02F1/167P

US class: 359/296 359/296P

Classification Explorer

Cited documents: US7848007 BB, US7804638 BB, US7436577 BB, US7352502 BB, US7352501 BB, US7151603 BB, US7012735 BB, US5026752 A, JP2006235137 A2, JP2006235137, JP2006133561 A2, JP2006133561, JP2006096985, JP2005309079 A2, JP2005309079, JP2005134846 A2, JP2005134846, JP2005114841, JP2004226642, JP2004053679 A2, JP2004053679, JP2003287776 A2, JP2003287776, JP2002202534 A2,

Forward Citations: WO13023502, WO11137435, US9341915, US9290742, US9082248, US8810894, US8570640, US8520296, US8427735, US8361613, US8319724, US8238020, US7843625, US2013175480, US2013033740, US2012236393, US2012050840, US2011143429, US2011080633, US2011038029, US2010245984, US2009275129, US2009061209, US2009059349, TWI418911, TWI395042, JP6130858, JP2015505379, JP2014032416, JP2010128505, EP3057071, CN103026182, CN102929064, CN102929064, CN102830567, CN102830567,

Abstract:
Source: US2008204855A An electrophoretic display sheet includes: a substrate; at least one kind of electrophoretic particles; an electrophoretic dispersion liquid containing the at least one kind of electrophoretic particles; a microcapsule having a shell for enclosing the electrophoretic dispersion liquid therein; a microcapsule−containing layer provided on a surface side of the substrate to contain the microcapsule; and a binder having a function of retaining the microcapsule and having viscosity under room temperature, the microcapsule−containing layer including the microcapsule and the binder; and the electrophoretic particles being contained in the electrophoretic dispersion liquid in a ratio of 30 percent to 60 percent wt. with respect to a weight of the electrophoretic dispersion liquid.

0) US2008289993A – APPARATUS FOR ASSISTING IN THE CHANGING OF DIAP...

97) Family number: 42586782 (US2008289993A) © PatBase

Title: APPARATUS FOR ASSISTING IN THE CHANGING OF DIAPERS

Priority: US20070807172 20070527

Family:

Publication number	Publication date	Application number	Application date
US2008289993 AA	20081127	US20070807172	20070527
US7832555 BB	20101116	US20070807172	20070527

Probable Assignee: REGALO INT LLC

Assignee(s):(std)**:** FLANNERY MARK A ; REGALO INT LLC ; REGALO INTERNATIONAL LLC

Assignee(s): REGALO INT

Inventor(s):(std)**:** FLANNERY MARK A

Agent(s): ROBERT J JACOBSON PA

International class (IPC 8–9)**:** B65D69/00 B65D71/00 B65H1/00 (Advanced/Invention); B65D69/00 B65H1/00 (Core/Invention)

CPC: A45D40/18 A47K5/12 A47K10/421 B65D83/00 Y10S206/812

European class: A47K10/42B A47K5/12 K45D40/18 L65D83/00

US class: 206/210 206/229 206/581 206/812 221/33 221/33S 221/45 221/45S 221/63 221/63S

Classification Explorer

Cited documents: USRE40408 E, US7202484 BA, US6960349 BB, US6776305 BB, US6740485 BA, US6737415 BB, US6716441 BA, US6488948 BA, US6419125 BA, US6364158 BA, US6144016 A, US6083854 A, US6066315 A, US5113637 A, US4904848 A, US2617012 A, US2007278242 AA, US2003024942 AA,

Forward Citations: USD729062, USD721578, USD699585, USD677088, USD677087, USD677086, US9272831, US8939320, US8684228, US8602257, US8047375, US2013320037, US2013174865, US2013068640, US2010187251, US2010163569, US2010032338, EP2615956,

Abstract:
Source: US2008289993A The apparatus includes a first compartment for storing and heating baby wipes, a second compartment for storing plastic bags for use as dirty diaper bags, a first fluid receptacle for holding and dispensing hand–lotion, a second fluid receptacle for holding and dispensing anti–bacterial lotion, and a tube receiving and squeezing mechanism that can hold one of a variety of tubes and that can squeeze cream such as diaper rash ointment from the tube.

0) US2009128016A – LIGHT–EMITTING DEVICE AND ELECTRONIC APPARATUS ...

98) Family number: 43255877 (US2009128016A) © PatBase

Title: LIGHT–EMITTING DEVICE AND ELECTRONIC APPARATUS

Priority: JP20070298923 20071119 JP20070300202 20071120

Family:

Publication number	Publication date	Application number	Application date
JP2009123640 A2	20090604	JP20070298923	20071119
JP2009129556 A2	20090611	JP20070300202	20071120
JP4924377 B2	20120425	JP20070298923	20071119
US2009128016 AA	20090521	US20080254951	20081021
US8063562 BB	20111122	US20080254951	20081021

Probable Assignee: SEIKO EPSON CORP

Assignee(s):(std)**:** GOMI TSUGIO ; SEIKO EPSON CORP

Inventor(s):(std)**:** GOMI TSUGIO

Agent(s): OLIFF AND BERRIDGE PLC

International class (IPC 8–9)**:** H01J1/62 H01L23/053 H01L51/50 H05B33/02 H05B33/04 (Advanced/Invention); H01L23/10 (Advanced/Non–invention); H01J1/00 H01L51/50 H05B33/02 H05B33/04 (Core/Invention)

CPC: H01L27/3244 H01L51/5243 H05B33/04

European class: H01L51/52C2B H05B33/04 T01L27/32M2

US class: 313/498 313/500 313/504 313/504P 313/512

Classification Explorer

Cited documents: US7919920 BB, US7893613 BB, US2007232182 AA, US2007176550 AA, US2007132382 AA, US2003122476 AA, JP8855, JP2007200849 A2, JP2007200848 A2, JP2007200847 A2, JP2007073459 A2, JP2007073459, JP2006179491 A2, JP2006156150 A2, JP2006156150, JP2006019031 A2, JP2005209633 A2, JP2004227792 A2, JP2004227792, JP2004103337 A2, JP2004103337, JP2004006286 A2, JP2002008855 A2, JP2000306664 A2, JP2000306664,

Forward Citations: US9680122, US9391295, US9293729, US9184408, US8982575, US2017149010, US2016254480, US2015123092, US2013277646, US2013135830,

Abstract:
Source: US2009128016A A light–emitting device includes a light–emitting element that has at least a light–emitting layer, a switching element that drives the light–emitting element, layered wiring lines that connect at least the light–emitting element and the switching element to each other, a substrate on which the light–emitting element, the switching element, and the layered wiring lines are provided, and a sealing substrate that is provided on the substrate with a plurality of sealing members interposed therebetween, and covers the light–emitting element. The plurality of sealing members include first and second sealing members. The first sealing member surrounds the periphery of the light–emitting element and is provided so as to at least partially overlap surface regions of the substrate where the light–emitting element, the switching element, and the layered wiring lines are provided. The second sealing member surrounds the periphery of the first sealing member.

0) US5573122A – GOLF CLUB ORGANIZER ASSEMBLY

99) Family number: 12845135 (US5573122A) © PatBase

Title: Golf club organizer assembly

Priority: US19940313876 19940928

Family:

Publication number	Publication date	Application number	Application date
US5573122 A	19961112	US19940313876	19940928

Probable Assignee: HENSLEY ROBERT B

Assignee(s):(std)**:** WILLIAMS RON

Assignee(s): HENSLEY ROBERT B ; HENSLEY ROBERT B PO BOX

Inventor(s):(std)**:** WILLIAMS RON

International class (IPC 8–9)**:** A63B55/00 (Advanced/Invention); A63B55/00 (Core/Invention)

International class (IPC 1–7)**:** A63B55/00

CPC: A63B55/00

European class: A63B55/00

US class: 206/315.6 211/14 211/15 211/70.2 211/702 248/96

Classification Explorer

Cited documents: US5188243 A, US5135107 A, US5102529 A, US4852896 A, US4834444 A, US4522299 A, US4420024 A, US4172484 A, US3966051 A, GB2134797 A1,

Forward Citations: WO9928005, WO08024117, WO0102064, USD753932, USD555960, USD427431, US9038821, US8657128, US8561794, US7798342, US7597224, US7303070, US7188737, US7150123, US6932222, US6883268, US6742662, US6702111, US6663119, US6659316, US6471055, US6148998, US5947830, US5931317, US2013048585, US2012261447, US2012018321, US2008251481, US2008203686, US2007256348, US2007029358, US2006226097, US2005257417, US2005247648, US2004237378, US2004118790, GB2371234, GB2371234,

Abstract:
Source: US5573122A A rigid golf club organizer assembly adapted for being carried individually or in pairs on the rear deck of a golf cart for carrying irons and wedges in a logical sequence and for carrying woods separate and apart from the irons and wedges is disclosed. In the illustrated example, the assembly includes five hollow tubes disposed next to one another in a first row and five additional hollow tubes disposed next to one another in a second row. The first and second rows of tubes are disposed at a right angle to one another and meet at an apex. Each of the tubes in both contain a notched upper end for holding the head of an iron or wedge therein and each tube is of a different height than all of the other tubes in the two rows and is adapted to loosely confine the shaft of a different iron or wedge of a golf club set therein. The two rows of tubes are reinforced by a pair of rectangularly shaped reinforcing members. A series of at least three woods can be carried in the reinforcing members behind the tubes which carry the irons and wedges. Additional features include a golf ball dispenser, putter holding tube, umbrella holding tube and a pin for holding a hand towel.

0) US2008166292A – PHARMACEUTICAL DOSING METHOD

100) Family number: 41999928 (US2008166292A) © PatBase

Title: PHARMACEUTICAL DOSING METHOD

Priority: US20070595165 20071228 US20070878333P 20070101 US20070967422 20071231 US20070878334P 20070101 US20070910810P 20070409 US20110595165 20110120 WO2007US89101 20071228 US20160142000 20160429

Family:

Publication number	Publication date	Application number	Application date
EP2139541 A2	20100106	EP20070870072	20071228
US2008166292 AA	20080710	US20070967422	20071231
US2011178359 AA	20110721	US20070595165	20071228
US2016303397 AA	20161020	US20160142000	20160429
US9326742 BB	20160503	US20070595165	20071228
WO08083313 A2	20080710	WO2007US89101	20071228
WO08083313 A3	20090723	WO2007US89101	20071228

Probable Assignee: BAYER HEALTHCARE LLC

Assignee(s):(std)**:** GRIFFITH SCOTT ; DEWIT RICHARD ; COWAN KEVIN P ; DESCALZI DOUGLAS ; LEVIN PAUL ; KALAFUT JOHN F ; HIRSCHMAN ALAN D ; MEDRAD INC ; KALAFUT JOHN ; LEVIN PAUL D ; GRIFFITHS DAVID M ; MABIE MARC A ; REILLY DAVID M ; RHINEHART EDWARD J ; UBER ARTHUR E III ; UBER BRONWYN ; TROMBLEY FREDERICK W III ; REMIS STEVEN J ; UBER III ARTHUR E ; TROMBLEY III FREDERICK W ; TROCKI MARK ; BAYER HEALTHCARE LLC

Assignee(s): BAYER MEDICAL CARE INC ; TROMBLEY FREDERICK W ; UBER ARTHUR E

Inventor(s):(std)**:** COWAN KEVIN P ; DESCALZI DOUGLAS ; GRIFFITH SCOTT ; DEWIT RICHARD ; HIRSCHMAN ALAN D ; GRIFFITHS DAVID M ; LEVIN PAUL ; REILLY DAVID M ; REMIS STEVEN J ; KALAFUT JOHN F ; LEVIN PAUL D ; ORBAN GERALD S ; KALAFUT JOHN ; MABIE MARC A ; RHINEHART EDWARD J ; UBER ARTHUR E III ; UBER BRONWYN ; TROMBLEY FREDERICK W III ; UBER III ARTHUR E ; TROMBLEY III FREDERICK W ; TROCKI MARK

Inventor(s): TROMBLEY FREDERICK W ; UBER ARTHUR E

Agent(s): ZINNECKER ARMIN; GREGORY L BRADLEY, MEDRAD INC; GREGORY L BRADLEY MEDRAD INC; DAVID; JAMES R; JOSEPH L; BRADLEY GREGORY L

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B5/055 A61B6/00 A61B6/03 A61B6/04 A61B6/10 A61J1/20 A61K51/00 A61M3/00 A61M36/06 A61M5/168 A61M5/172 A61N5/10 G06F19/00 G21F5/002 G21G4/08 (Advanced/Invention);
A61B5/00 A61B5/0205 A61B6/00 A61M5/00 A61M5/142 A61M5/145 A61M5/168 A61M5/178 (Advanced/Non–invention);
A61B6/00 A61B6/03 A61K51/00 A61M5/168 G21G4/00 (Core/Invention);
A61B6/00 (Core/Non–invention)

CPC: G06F19/3437 G21H5/02 A61B5/0205 A61B5/7289 A61B6/037 A61B6/0478 A61B6/107 A61B6/4057 A61B6/4423 A61B6/507 A61B6/508 A61B6/5288 A61B6/548 A61M5/007 A61M5/14546 A61M5/1456 A61M5/16827 A61M5/1723 A61M5/1785 A61M2205/3576 G06F19/3468 G21G4/08 A61N5/1001 A61N5/1071 A61B5/055 A61B6/032 A61N2005/1021 A61N2005/1094 A61B6/4258 A61M5/16881 G21F5/015

European class: A61B6/03D A61B6/04K A61B6/40J A61B6/42B12 A61M5/172B G06F19/34L3 G21G4/08 G21H5/02 K61B5/0205 K61B5/72M8B K61B6/52H K61M205/35T K61M5/00R K61M5/145B10 K61M5/145B6 K61M5/168A11 K61M5/168F1 K61M5/178R S06F19/34H S06F19/34L

US class: 1/1 424/1.11 424/1.110P 600/4 600/431 600/431S 600/4P 600/5

Classification Explorer

Cited documents: WO07010534 A2, WO06129301 A2, WO06108026 A2, WO06051531 A2, WO04004787 A2, US8071959 BB, US7734331 BB, US7618397 BB, US7169135 BB, US7163031 BB, US7151267 BB, US7105846 BB, US7094216 BB, US6970735 BB, US6866654 BB, US6773673 BA, US6767319 BB, US6673033 BA, US6589158 BB, US6572823 BA, US6542751 BA, US6520930 BB, US6425174 BA, US6397098 BA, US6180082 BA, US6180082 B1, US6162198 A, US5967983 A, US5927351 A, US5911252 A, US5843037 A, US5840026 A, US5806519 A, US5739508 A, US5733259 A, US5569181 A, US5523578 A, US5514071 A, US5472403 A, US5415843 A, US5383858 A, US5274239 A, US5039863 A, US4857728 A, US4838856 A, US4837110 A, US4804847 A, US4632123 A, US4585941 A, US4585009 A, US4562829 A, US4472403 A, US4409966 A, US4401108 A, US4307713 A, US4207889 A, US4092546 A, US4084097 A, US3984695 A, US3718138 A, US2011152679 AA, US2009312695 AA, US2009177050 AA, US2009131862 AA, US2008242915 AA, US2007191690 AA, US2006151048 AA, US2006004243 AA, US2005277833 AA, US2005238576 AA, US2005232387 AA, US2005226776 AA, US2005203330 AA, US2005203329 AA, US2005199647 AA, US2005107698 AA, US2005085682 AA, US2004260143 AA, US2004258615 AA, US2004254533 AA, US2004254525 AA, US2004176676 AA, US2004086437 AA, US2004015038 AA, US2003212707 AA, JP2006283431 A2, JP2006133139 A2, JP2006132984 A2, JP20060283431, JP2006017660 A2, JP2006015055 A2, JP2005230366 A2, JP2004290455 A2, JP2002306609 A2, JP2000350783 A2, GB2228168 A1, FR2867084 A1,

Forward Citations: WO16196504, WO16187514, WO16067145, WO15066345, WO14143952, WO14134385, WO14124424, WO14122236, WO14087311, WO14036627, WO13169687, WO13126318, WO13012822, WO13012808, WO13012808, WO12092394, WO11153519, WO11153519, WO11153457, WO11107570, WO11107567, WO10129583, WO10022546, WO09149367, US9717844, US9715020, US9707342, US9682254, US9682192, US9662098, US9646730, US9627097, US9623191, US9616252, US9616173, US9607722, US9606104, US9597053, US9585624, US9579525, US9543106, US9517305, US9498649, US9480962, US9463335, US9439023, US9436989, US9433728, US9417332, US9404876, US9393441, US9376224, US9375528, US9345906, US9327886, US9314649, US9299468, US9299467, US9299466, US9291606, US9289550, US9242119, US9233776, US9216831, US9177751, US9168392, US9155911, US9152766, US9139316, US9125976, US9123449, US9114203, US9109591, US9108047, US9095040, US9056200, US9056199, US9044600, US9039592, US9018601, US8975600, US8969834, US8963112, US8941084, US8937287, US8933651, US8913123, US8907309, US8880457, US8718231, US8710462, US8708352, US8667996, US8637833, US8637818, US8627822, US8625739, US8624528, US8614554, US8598543, US8519365, US8333952, US8330597, US8317674, US8286671, US8273008, US8260559, US8233631, US8216184, US8216181, US8177749, US8052645, US7862534, US7734331, US2017072131, US2016161467, US2016114328, US2016091614, US2016016680, US2015359500, US2015309184, US2015241364, US2015162106, US2015088057, US2015065782, US2015025375, US2014374615, US2014374614, US2014276550, US2014257015, US2014248159, US2014228617, US2014148791, US2014077095, US2013322714, US2013242082, US2013131422, US2013124103, US2012298252, US2012117021, US2012085951, US2012048424, US2011172524, US2011147608, US2011124948, US2011103597, US2011071392, US2011070160, US2011060602, US2010312039, US2010286512, US2010276034, US2010268074, US2010264326, US2010189210, US2010125243, US2010121184, US2009318745, US2009312630, US2009309466, US2009309465, US2009189761, US2008242915, RU2575309, RU2574986, JP2016144698, JP2013529966, ITBO20100689, EP3090721, EP2964311, EP2953664, EP2606334, EP2575948, EP2575927, EP2480258, EP2455946, DE102010026478, CN105163775, CN105073157, CN105025975, CN105007961, CN104093359, CN103037933, CN102939120, AU2011261296, AU2011261296, AU2011222943,

Abstract:
Source: US2008166292A Systems, devices, and methods for more accurately determining a radiopharmaceutical dose administered to a patient by relying on a time factor. Particularly, broadly contemplated herein is the administration of a dose on the basis of an elapsed time from when a dose was last accurately measured in the past to when it is injected into the patient. As such, when a dose is first measured, that timepoint is preferably recorded whereupon the time of injection or administration into a patient is also recorded. Based on the original measured dose, the radionuclide (and thus its known decay rate) and the time elapsed, the dose is calculated and not directly measured on injection. The clocks on the filling station and the transport cart are synchronized to each other or to a known and accepted time standard. In this manner, there is temporal continuity and no inaccuracies of time or loss of time occurs between measurement and injection.

0) US5577639A – STORAGE AND DISPENSER ORGANIZERS

101) Family number: 13318999 (US5577639A) © PatBase

Title: Storage and dispenser organizers

Priority: US19950499956 19950710 US19960683903 19960719

Family:

Publication number	Publication date	Application number	Application date
US5577639 A	19961126	US19950499956	19950710
US5690255 A	19971125	US19960683903	19960719

Probable Assignee: WHITE HORACE S

Assignee(s):(std)**:** WHITE HORACE S

Assignee(s): HS WHITE CORP ; UNAFLEX INC

Inventor(s):(std)**:** WHITE HORACE S

International class (IPC 8–9)**:** A47B77/00 A47K5/18 (Advanced/Invention); A47B77/00 A47K5/00 (Core/Invention)

International class (IPC 1–7)**:** B67D1/07 B67D5/52

CPC: A47B77/00 A47K5/18

European class: A47B77/00 A47K5/18

US class: 222/135 222/192 222/321.7 312/209 312/227

Classification Explorer

Cited documents: US5577639 A, US5152430 A, US4925285 A, US4663621 A, US4510978 A,

Forward Citations: WO05046385, WO05046385, USD690960, US8393499, US8127969, US7886936, US7748566, US7735694, US7665634, US7578399, US7484675, US6769631, US6530502, US6523193, US5690255, US2008104747, US2007267446, US2007108091, US2007056993, US2006163263, US2005072855, US2004060829,

Abstract:
Source: US5577639A Integrated organizational centers including storage areas and liquid dispensing pumps are included. A first embodiment includes a storage container with rollable door that is attached to and is located in between identical liquid pump dispensing containers. The entire device is mounted on rubber pads allowing it to be portable and movable to desirable locations along side sinks in kitchens and bathrooms by rubber mounting pads and the like. The pump dispensing containers can dispense liquids such as liquid soaps and hand and moisturizing lotions. A second embodiment includes a similar arrangement of components except that the door is comprised of double exterior opening doors with mirrors on the inside portion of the walls. The second embodiment can use the same liquids in addition to shampoos and conditioners where the device itself can be permanently mounted to the interior wall of a shower by double sided tape and the like. A third embodiment is similar to the first embodiment but additionally adds a third pumpable liquid dispensing container and an exterior step ledge for supporting a reusable cup and the like. The third embodiment can further include double drawers for housing razors, tube toothpaste and the like. All the embodiments are formed from plastic type materials and can include optional ventilation holes in the sides and bottom to allow the interiors of the storage containers to air dry by exterior air.

102) Family number: 1915184 (WO05040379A2) © PatBase

Title: RNA INTERFERENCE MEDIATED INHIBITION OF RAS GENE EXPRESSION USING SHORT INTERFERING NUCLEIC ACID (SINA)

Priority: US20030693059 20031023 US20030720448 20031124 US20040543480P 20040210 US20030727780 20031203 US20040757803 20040114 US20040780447 20040213 US20040826966 20040416 WO2004US13456 20040430 WO2004US16390 20040524 WO2004US26930 20040820 WO2004US27333 20040820

Family:

Publication number	Publication date	Application number	Application date
EP1675949 A2	20060705	EP20040781588	20040820
EP1675953 A2	20060705	EP20040816819	20040820
WO05040379 A2	20050506	WO2004US27333	20040820
WO05040379 A3	20060302	WO2004US27333	20040820
WO05044981 A2	20050519	WO2004US27403	20040820
WO05044981 A3	20050922	WO2004US27403	20040820
WO05045035 A2	20050519	WO2004US26930	20040820
WO05045035 A3	20051208	WO2004US26930	20040820

Probable Assignee: SIRNA THERAPEUTICS INC

Assignee(s):(std)**:** CHOWRIRA BHARAT M ; HAEBERLI PETER ; MCSWIGGEN JAMES ; SIRNA THERAPEUTICS INC

Inventor(s):(std)**:** CHOWRIRA BHARAT M ; HAEBERLI PETER ; MCSWIGGEN JAMES

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): C12N15/11 C12N15/113 C12N15/87 C12N5/02 C12N5/22 (Advanced/Invention); A61K38/00 (Advanced/Non–invention)

International class (IPC 1–7): A01N43/04 A61K31/713 A61P31/00 C07H21/02 C07H21/04 C07H3/02 C12N15/11 C12P19/34

CPC: A61K49/0008 C12N15/111 C12N15/1135 C12N15/87 C12N2310/111 C12N2310/14 C12N2310/315 C12N2310/317 C12N2310/318 C12N2310/321 C12N2310/322 C12N2310/332 C12N2310/346 C12N2310/53 C12N2320/32 C12N2330/30

European class: A61K49/00H6 C12N15/113B C12N15/11B C12N15/11B5 C12N15/11B7 C12N15/11H C12N15/11M C12N15/87 M12N310/111 M12N310/14 M12N310/315 M12N310/317 M12N310/318 M12N310/321 M12N310/322 M12N310/332 M12N310/346 M12N310/53 M12N320/32 M12N330/30

Classification Explorer

Cited documents: WO03074654 A2, WO03070918 A2, WO03070896 A2, WO03070887 A2, WO0244321 A2, WO02097114 A2, WO02081628 A2,

Forward Citations: WO17079291, WO13173598, WO13070771, WO11127175, WO11084357, WO11031600, WO11019423, WO08109516, WO08109516, WO07092059, WO07092059, WO07071777, WO07071777, WO07056861, WO07051303, WO07013359, WO07013359, WO06043014, WO05066363, WO05066363, US9657294, US9328346, US9260471, US9243246, US9228015, US9181551, US9074208, US9045739, US9000143, US8829178, US8669345, US8614311, US8513403, US8344104, US8188263, US8101741, US8034575, US8017764, US7915399, US7888498, US7812150, US7807815, US7723052, JP5336853, JP2009537153, JP2009513151, EP2980220, EP2756845, EP2584051, EP2446890, EP2414374, EP2414374, EP2392583, EP2192200, EP2023937, EP2023937, EP2021352, EP2021352, EP2018443, EP1800695, EA020840, DE102006032424, CN104685055, AU2013203219, AU2007253803, AU2006308765,

Abstract:
This invention relates to compounds, compositions, and methods useful for modulating RAS, e.g. K–RAS,

H−RAS, and/or N−RAS gene expression using short interfering nucleic acid (siNA) molecules. This invention also relates to compounds, compositions, and methods useful for modulating the expression and activity of other genes involved in pathways of RAS, e.g. K−RAS, H−RAS, and/or N−RAS gene expression and/or activity by RNA interference (RNAi) using small nucleic acid molecules. In particular, the instant invention features small nucleic acid molecules, such as short interfering nucleic acid (siNA), short interfering RNA (siRNA), double−stranded RNA (dsRNA), micro−RNA (miRNA), and short hairpin RNA (shRNA) molecules and methods used to modulate the expression of RAS genes, such as K−RAS, H−RAS, and/or N−RAS.

0) US2005240352A – ONLINE PROCUREMENT OF BIOLOGICALLY RELATED PROD...

103) Family number: 32610400 (US2005240352A) © PatBase

Title: ONLINE PROCUREMENT OF BIOLOGICALLY RELATED PRODUCTS/SERVICES USING INTERACTIVE CONTEXT SEARCHING OF BIOLOGICAL INFORMATION

Priority: US20040587941P 20040714 US20040588158P 20040714 US20040591541P 20040726 US20050010057 20050419 US20050112933 20050422 US20040592239P 20040728 US20040608293P 20040908 US20040591827P 20040727 US20040830074 20040423 US20050953586P 20050215 US20050653586P 20050215 US20050183295 20050714 US20060371354 20060307 US20050665199P 20050325 US20050659493P 20050307 US20050182574 20050714 US20050673045P 20050419 US20050665200P 20050325 US20050659492P 20050307 US20050651390P 20050208 US20050191644 20050727 WO2005US13914 20050422 US20090557163 20090910 US20100791820 20100601 US20140265990 20140430

Family:

Publication number	Publication date	Application number	Application date
EP1743039 A2	20070117	EP20050779954	20050422
JP2007535040 T2	20071129	JP20070509690T	20050422
US2005240352 AA	20051027	US20040830074	20040423
US2006064247 AA	20060323	US20050182574	20050714
US2006099704 AA	20060511	US20050183295	20050714
US2006100788 AA	20060511	US20050112933	20050422
US2006141529 AA	20060629	US20050191644	20050727
US2006275794 AA	20061207	US20060371354	20060307
US2010121738 AA	20100513	US20090557163	20090910
US2012221432 AA	20120830	US20100791820	20100601
US2013325666 AA	20131205	US20120422202	20120316
US2015161702 AA	20150611	US20140265990	20140430
US2015278904 AA	20151001	US20150637587	20150304
WO05113812 A2	20051201	WO2005US13914	20050422
WO05113812 C1	20060202	WO2005US13914	20050422
WO06015084 A2	20060209	WO2005US26724	20050727
WO06015084 A3	20070118	WO2005US26724	20050727
WO06019892 A2	20060223	WO2005US24961	20050714
WO06019892 A3	20070201	WO2005US24961	20050714
WO06019892 C2	20060427	WO2005US24961	20050714
WO06020126 A2	20060223	WO2005US25292	20050714
WO06020126 A3	20071122	WO2005US25292	20050714

Probable Assignee: LIFE TECHNOLOGIES CORP

Assignee(s):(std)**:** BELOV KONSTANTIN ; BELSTOV MICHAEL ; CARRINO JOHN ; INVITROGEN CORP ; BOYLE SCOTT NILE ; CHAPPELL TOM ; CLANCY KEVIN ; CAFFREY JAMES ; GILMORE JAMES ; BAHARLOO SIAMAK ; BAHARLOO SIAMEK ; BELTSOV MICHAEL ; CHAPPELL THOMAS G ; BOYLE SCOTT N ; LIANG FENG ; SCHWEITZER BARRY I ; KOLESKE ANTHONY JOHN ; MICHAUD GREG ; SCHWEITZER BARRY ; PREDKI PAUL ; YUAN SHAO MIN ; MCGARVEY PETER ; ZAREMBA SAM ; MNEV ANATOLIY ; MYNENI ARUNA ; PROTOMETRIX INC ; PREDKI PAUL F ; KOLESKE ANTHONY ; KOLESKE ANTHONY J ; LIFE TECHNOLOGIES CORP

Assignee(s): YALE UNIV ; BANK OF AMERICA NA ; BANK OF AMERICA NA COLLATERAL AGENT AS ; INVITROGEN CORP KOLESKE ANTHONY JOHN BOYLE SCOTT N

Inventor(s):(std)**:** BAHARLOO SIAMAK ; BELOV KONSTANTIN ; BELSTOV MICHAEL ; BELTSOV MICHAEL ; BOYLE SCOTT ; BOYLE SCOTT N ; BOYLE SCOTT NILE ; CAFFREY JAMES ; CHAPPELL THOMAS ; CHAPPELL THOMAS G ; CHAPPELL TOM ; CLANCY KEVIN ; GILMORE JAMES ; KOLESKE ANTHONY J ; KOLESKE ANTHONY JOHN ; MCGARVEY PETER ; MICHAUD GREG ; MNEV ANATOLIY ; MYNENI ARUNA ; PREDKI PAUL ; PREDKI PAUL F ; SCHWEITZER BARRY ; YUAN SHAO MIN ; ZAREMBA SAM ;

SCHWEITZER BARRY I ; LIANG FENG ; CARRINO JOHN ; BAHARLOO SIAMEK

Inventor(s): KOLESKE ANTHONY

Agent(s): SHIMIZU HATSUSHI; DLA PIPER RUDNICK GRAY CARY US LLP; CASTELLANO MALM FERRARIO AND BUCK PLLC; BIOTECHNOLOGY LAW GROUP C O PORTFOLIOIP; BIOTECHNOLOGY LAW GROUP, C/O PORTFOLIOIP; LIFE TECHNOLOGIES C O INTELLEVATE CORP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61K38/17 C07H21/04 C12M1/34 C12N9/12 C12Q1/68 C40B40/10 G01N33/48 G01N33/50 G01N33/53 G06F17/30 G06F19/00 G06F19/28 G06F3/048 G06K9/00 G06Q10/00 G06Q30/00 G06Q30/06 G06Q50/00 G06Q50/22 G06Q99/00 (Advanced/Invention); C12Q1/68 G06F19/00 G06F19/20 G06F19/28 (Advanced/Non–invention); C07H21/00 C12Q1/68 G01N33/48 G01N33/50 G01N33/53 G06F17/30 G06F19/00 G06Q10/00 (Core/Invention); G06F19/00 (Core/Non–invention)

International class (IPC 1–7): C12Q1/68 G01N33/48 G01N33/50 G06F19/00

CPC: G01N33/6842 G01N33/6845 G06F19/20 G06Q10/103 G06Q30/0601 A61K38/00 C12N9/1211 G01N33/5041 G01N2333/9121 C12Q1/6837 C12Q1/6876 G01N33/6803 G06Q10/087 G06Q30/06 G06Q30/0623 G06F19/28 G06Q99/00 G06Q30/0627 G06Q50/22

European class: C12N9/12C21 C12Q1/68M G01N33/50D2E14 G01N33/68A G01N33/68A10 G01N33/68A8 G01N33/68V2 G06F19/28 G06Q10/087 G06Q10/08E G06Q10/103 G06Q30/06 G06Q30/0601 G06Q50/22 G06Q99/00 K61K38/00 M12Q1/68B10A S01N333/912B1 S06F19/20 S06F19/28

US class: 382/133 382/133S 435/287.2 435/6 435/6.1 435/6.100S 435/6.18 435/6.180P 435/7.1 435/7.100P 506/18 506/18S 536/24.3 536/24.300S 702/19 702/19P 702/20 702/20S 705/1 705/1.1 705/2 705/26 705/26.1 705/26.100P 705/26.61 705/26.63 705/26.8 705/26.800P 705/26S 705/27 705/27P 705/2S 705/301 705/301P 715/760 715/760S

Classification Explorer

Cited documents: WO9851699 A1, WO05016962 A2, WO0201303 A2, US9053500 BB, US8604183 BB, US7966334 BA, US7873477 BA, US7849393 BA, US7533336 BB, US7103836 BA, US6941317 BA, US6757661 BA, US6609106 BA, US6560541 BA, US6493724 BA, US6282550 BA, US6029141 A, US5966712 A, US5870717 A, US2007203747 AA, US2006100788 AA, US2005042641 AA, US2005038776 AA, US2005026160 AA, US2005003377 AA, US2004241748 AA, US2004170994 AA, US2004128250 AA, US2004072245 AA, US2004030781 AA, US2004018506 AA, US2004014957 AA, US2004010136 AA, US2004002818 AA, US2003229016 AA, US2003157716 AA, US2003144883 AA, US2003143722 AA, US2003120432 AA, US2003110098 AA, US2003097222 AA, US2003044941 AA, US2003033218 AA, US2002198736 AA, US2002165799 AA, US2002111879 AA, US2002052825 AA,

Forward Citations: WO16086126, WO15189255, WO15154569, WO15001082, WO14145357, WO14117296, WO14018673, WO14018673, WO12015809, WO12015809, WO12005898, WO12005898, WO11109663, WO10092974, WO10071799, WO09120741, WO09120741, WO09088460, WO09046969, WO09043908, WO09043908, WO08151428, WO08147687, WO07001943, WO07001943, US9719143, US9675693, US9670260, US9659096, US9637730, US9618474, US9617320, US9605265, US9587235, US9580483, US9567644, US9540628, US9518288, US9489485, US9422539, US9422350, US9411877, US9388215, US9377476, US9353162, US9328340, US9303291, US9290557, US9289786, US9284609, US9273302, US9273107, US9127268, US9089525, US9040051, US9012207, US9006390, US8993741, US8969527, US8957043, US8921058, US8835387, US8770471, US8754058, US8753638, US8609344, US8575304, US8445220, US8399383, US8313917, US8298775, US8293337, US8244389, US8178316, US8163482, US8024347, US7984035, US7880738, US7873483, US7842291, US7785813, US7766232, US7747626, US7635572, US7625724, US7563600, US7323320, US2017019770, US2016002309, US2015238637, US2014258329, US2014180881, US2014180853, US2013102544, US2013065819, US2013046006, US2013023058, US2013022983, US2012322852, US2012296070, US2011065113, US2011028336, US2011022331, US2010297667, US2010286241, US2010284923, US2010279378, US2010261213, US2010256016, US2010249995, US2010160339, US2010151588, US2010129804, US2010105879, US2010057713,

US2010022414, US2009317558, US2009307309, US2009239221, US2009208937, US2009203543, US2009188000, US2009171938, US2009089284, US2008262652, US2008228302, US2008184137, US2008178090, US2008071071, US2008003614, US2007269870, US2007231805, US2007202528, US2007175976, US2007148677, US2007122817, US2007015724, US2006281113, US2006064247, US2006004530, US2005287585, US2005260653, US2005118665, US2005048580, US2005037946, US2003207467, US2002115225, KR100793505, JP2008178358, JP2008018305, EP2944651, EP2718715, EP2718715, EP2623119, EP2623119, EP2420509, EP2031074, EP2031074, EP1989328, CN104797936, CN103353511, CN103117052, AU2012271858,

Abstract:
Source: US2005240352A Systems and methods for procuring biologically related products available on a vendor Website are described which involve user−server interfacing with a Web based browser to retrieve database files representing available target products via processing biological context searches on named annotated text string databases.

0) US2005092647A – METHOD AND APPARATUS AIDING IN THE MANAGEMENT O...

104) Family number: 31871173 (US2005092647A) © PatBase

Title: METHOD AND APPARATUS AIDING IN THE MANAGEMENT OF MULTIPLE MEDICATIONS

Priority: US20030517754P 20031105 US20040982226 20041103

Family:

Publication number	Publication date	Application number	Application date
US2005092647 AA	20050505	US20040982226	20041103
US7240793 BB	20070710	US20040982226	20041103

Probable Assignee: KT DALE S INC

Assignee(s):(std)**:** MCBAIN DALENE JUNE

Assignee(s): KT DALE S INC ; KT DALE'S INC ; MCBAIN DALENE J

Inventor(s):(std)**:** MCBAIN DALENE J ; MCBAIN DALENE JUNE

Inventor(s): MCBAIN DALENE

Agent(s): DALENE J MCBAIN

International class (IPC 8–9): A61J1/03 A61J7/04 B42D15/00 B65D83/04 G09F3/02 (Advanced/Invention); A61J1/00 A61J7/00 B42D15/00 B65D83/04 G09F3/02 (Core/Invention)

International class (IPC 1–7): B65D69/00

CPC: Y10S283/90 G09F3/02 A61J1/03 A61J7/04 A61J2205/20 A61J2205/30 A61J2205/40

European class: A61J1/03 A61J7/04 G09F3/02 K61J205/20

US class: 206/232 206/534 206/570 206/803 206/803S 283/115 283/67 283/900

Classification Explorer

Cited documents: US6681935 BA, US6293403 BA, US5979698 A, US5758096 A, US5669503 A, US5431450 A, US5261702 A, US4905388 A, US4815767 A, US4752087 A, US4148273 A, US3675620 A, US3515265 A, US2002041091 AA,

Forward Citations: USD660582, US9457610, US9406245, US9290302, US8672172, US8550248, US7926850, US2013264352, US2011301978, US2009140513, US2009083067, US2009026209, US2008228160, US2007295635, US2007007162, EP2129422, EP2129422,

Abstract:
Source: US2005092647A The present invention provides a system and method for the management of multiple medications. The invention enables patients and caregivers to accurately track what medications are taken at what times on a compact chart, which is easy to use and to read. The system and method uses a plurality of containers for safe and convenient storage of current medications. The invention facilitates prompt handling of medications needing refills by storing the medications needing refills in a refill container and placing a refill indicator on the chart. The invention enables the safe and efficient management of discontinued medications by storing discontinued medications in a discontinued medication container and placing a discontinued indicator on the chart. If a discontinued medication is prescribed again, it can be removed from the discontinued container and reused.

105) Family number: 62821420 (US2016195856A) © PatBase

Title: INTEGRATED DOCKING SYSTEM FOR INTELLIGENT DEVICES

Priority: US20140924747P 20140108 US20150591909 20150107

Family:

Publication number	Publication date	Application number	Application date
US2016195856 AA	20160707	US20150591909	20150107

Probable Assignee: SPERO YECHEZKAL EVAN

Assignee(s):(std)**:** SPERO YECHEZKAL EVAN

Inventor(s):(std)**:** SPERO YECHEZKAL EVAN

International class (IPC 8–9)**:** G05B13/04 G06N5/04 (Advanced/Invention)

CPC: G06N5/046 G05B15/02 G05B2219/2642

US class: 700/90

Classification Explorer

Cited documents: US9351060 BB, US2012206050 AA,

Forward Citations: US9610510, US9554236, US9551594, US2017115649, US2017064631, US2017053640, US2017021282, US2016374526, US2016259419, US2016215993, US2016214259, US2016037686,

Abstract:
Source: US2016195856A An integrating device 200 for supporting one or more devices 207 capable of delivering mass, energy and/or information to occupants localized to a sub−area of a room is combined with sensors 212 capable of detecting occupants within one sub−area or another and processor 206 which correlates the coordinates of the occupants to those of the delivery devices 207 and a controller 206 that drives the specific sub−area device to provide a localized delivery of services such as lighting, heating, cooling, sound and video, intercom, noise cancellation systems, information, entertainment content, connectivity to the internet or social media, and light therapy in an automatic process based on the detected instantaneous needs of the occupant for services.

0) US6126010A – COLLAPSIBLE CUP AND PILL ORGANIZER UNIT

106) Family number: 12572726 (US6126010A) © PatBase

Title: Collapsible cup and pill organizer unit

Priority: US19990396670 19990915

Family:

Publication number	Publication date	Application number	Application date
US6126010 A	20001003	US19990396670	19990915

Probable Assignee: L LAWRENCE PRODUCTS INC

Assignee(s):(std)**:** LAWRENCE PRODUCTS INC L

Assignee(s): L LAWRENCE PRODUCTS INC

Inventor(s):(std)**:** KOGEN ROBERT A

International class (IPC 8–9)**:** A45F3/20 B65D21/02 B65D21/08 B65D83/04 (Advanced/Invention); A45F3/00 B65D21/00 B65D21/02 B65D83/04 (Core/Invention)

International class (IPC 1–7)**:** B65D71/00 B65D77/22 B65D83/04

CPC: A45F3/20 B65D21/0228 B65D21/086 B65D83/0454

European class: A45F3/20 B65D21/02E11 B65D21/08C B65D83/04C1

US class: 206/218 206/538 206/570

Classification Explorer

Cited documents: US5762199 A, US5322166 A, US4940138 A, US4572376 A, US4261468 A, US4053054 A, US3434589 A, US3285459 A, US1817562 A,

Forward Citations: WO16126904, USD697510, US9694938, US9237795, US8136666, US8061548, US8033422, US7661525, US7543718, US7500579, US7159720, US7147127, US7147127, US7128213, US7004324, US6666329, US2016280447, US2015083745, US2010268762, US2010219198, US2010147867, US2009071968, US2008000898, US2007068949, US2007029213, US2005269237, US2005218152, US2005205595, US2005150809, US2003234195, US2002190075, CN104771038, CN101953749,

Abstract:
Source: US6126010A A combination pill dispenser and collapsible drinking cup unit. The unit includes an elongated hollow body, a first removable cap member, a second removable cap member, a pill organizer, and a collapsible cup. The hollow body has an outer wall including opposed first and second ends and an end wall located adjacent the first forming a hollow chamber in which the pill organizer is located. A first removable cap is provided to close the chamber in which the organizer is located. The organizer includes a plurality of wedge–shaped compartments formed by plural wall panels radiating outward from a central post. The post projects upward from a circular, planar base member. A circular, planar cover is rotatably mounted on the post and includes a wedge shaped opening in its periphery. The opening is arranged to selectively communicate with a respective one of the compartments when the cover is rotated to a desired orientation. The second cap member has an end wall and a peripheral flange, and is arranged for releasable securement to the first end of the hollow body. The collapsible cup is located on the end wall of the second cap member and within the bounds of the peripheral flange. The collapsible cup is formed of plural conical shaped sections which are nested together and arranged to be moved from the nested position to an extended position to form a leak–proof cup.

0) US6935515B – TOOTHBRUSH ORGANIZER

107) Family number: 32194836 (US6935515B) © PatBase

Title: TOOTHBRUSH ORGANIZER

Priority: US20030413716 20030415

Family:

Publication number	Publication date	Application number	Application date
US6935515 BA	20050830	US20030413716	20030415

Probable Assignee: SOOKOO DARRIN S

Assignee(s):(std)**:** SOOKOO DARRIN S

Inventor(s):(std)**:** SOOKOO DARRIN S

International class (IPC 8–9)**:** A46B17/04 A47B81/02 A47K1/09 (Advanced/Invention); A46B17/00 A47B81/00 A47K1/08 (Core/Invention)

International class (IPC 1–7)**:** A47B81/02

CPC: A46B15/0091 A46B17/04 A46B2200/1066 A47K1/09

European class: A46B15/00G A46B17/04 A47K1/09 K46B200/10G

US class: 211/65

Classification Explorer

Cited documents: USD418706 S1, USD278778 S1, USD241200 S1, USD154689 S1, US6325222 BA, US6253931 BA, US6142318 A, US5799910 A, US5769245 A, US5566842 A, US5566823 A, US5522497 A, US5507414 A, US4995511 A, US4973847 A, US4927011 A, US4852833 A, US3954407 A, US3881868 A, US3867096 A, US3727748 A, US2956851 A, US2642331 A, US2038941 A, US1975691 A, US1584261 A, US1507466 A,

Forward Citations: USD786444, USD783306, US9718594, US9380860, US9204761, US8714353, US8201698, US8074814, US8016129, US7581638, US7484629, US7395939, US7299922, US2015150420, US2015114863, US2013205528, US2012318761, US2011278247, US2010025551, US2009107935, US2008245681, US2007187271, US2007084810, US2007056864, US2006000729, FR2921812,

Abstract:
Source: US6935515B Toothbrush organizers provide a holder to keep toothbrushes free from contamination. A circular base and top are connected by one or more supports. The top has toothbrush holders adapted to receive electric toothbrushes or manual toothbrushes, along with an optional toothpaste holder for holding toothpaste. Toothbrush receivers are present in the top of the base beneath the toothbrush holders for holding manual toothbrushes. A cover removably encloses the top via a flange that is inserted into a cover receiver. Section walls within the interior of the cover isolate the toothbrush heads from one another. A finger hole in the top of the cover facilitates its removal.

0) US2013341329A – METHODS, SYSTEMS AND APPARATUSES FOR MANAGEMENT...

108) Family number: 51297227 (US2013341329A)

© PatBase

Title: METHODS, SYSTEMS AND APPARATUSES FOR MANAGEMENT AND STORAGE

Priority: US20090233426P 20090812 US20090233781P 20090813 US20100422008P 20101210 US20110389991 20111208 US20140272000 20140507 US20130389991 20130911 WO2011US63900 20111208 WO2010US45388 20100812 US20170476969 20170331

Family:

Publication number	Publication date	Application number	Application date
CA2819131 AA	20130527	CA20112819131	20111208
CA2890784 AA	20151107	CA20152890784	20150506
US2013341329 AA	20131226	US20110389991	20111208
US2014257843 AA	20140911	US20140272000	20140507
US2014361014 A9	20141211	US20110389991	20111208
US2017206493 AA	20170720	US20170476969	20170331
US9643771 BB	20170509	US20110389991	20111208
WO12078840 A1	20120614	WO2011US63900	20111208

Probable Assignee: DEBORAH ADLER LLC

Assignee(s):(std)**:** ADLER DEBORAH ; ALDER DEBORAH ; DEBORAH ADLER LLC ; HUANG YAYUN ; SAWYER DUANE ; STEWART JOSHUA ; WOLF MICHAEL

Inventor(s):(std)**:** ADLER DEBORAH ; ALDER DEBORAH ; HUANG YAYUN ; SAWYER DUANE ; STEWART JOSHUA ; WOLF MICHAEL

Agent(s): SMART AND BIGGAR; ARNOLD AND PORTER KAYE SCHOLER LLP; VINNOLA MILAN M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A61J1/00 A61J1/03 B65D1/02 B65D41/02 B65D41/04 B65D50/04 B65D75/54 B65D83/04 B65D85/00 G06F19/00 G06Q10/08 G09F3/00 G09F3/02 G09F3/10 (Advanced/Invention); A61J7/04 G09F3/02 (Advanced/Non–invention)

CPC: G06Q10/087 G09F3/0288 G09F3/02 G06F19/3462 A61J2205/50 B65D1/0223 B65D41/0471 B65D50/046 B65D2501/0081 A61J1/03 A61J7/04 A61J2205/30 G09F3/0289 G09F3/10 G09F2003/0252 G09F2003/0272 G09F2003/0273 B65D85/00

European class: A61J1/03 K61J205/30

US class: 206/459.5 220/288 283/81 705/2

Classification Explorer

Cited documents: WO11019967 A1, WO07127359 A3, WO07127359 A2, WO07084159 A2, WO07074394 A3, WO07074394 A2, WO06080945 A1, WO06049937 A2, WO05020195 A2, WO04109626 A2, WO04084159 A2, WO03098275 A2, WO0229664 A1, WO02094579 A1, WO0168454 A2, USRE30958 E, USD594336 S1, USD583242 S1, USD581275 S1, USD574717 S1, USD562687 S1, USD544789 S1, USD542661 S1, USD540690 S1, USD540179 S1, USD350691 S1, US8037628 BB, US8025314 BB, US8020702 BB, US7926851 BB, US7926850 BA, US7740411 BB, US7464043 BA, US7458177 BB, US7426475 BA, US7424437 BB, US7413082 BB, US7398999 BB, US7395214 BB, US7311205 BB, US7286997 BB, US7225937 BB, US7225052 BB, US7195689 BB, US7076437 BA, US7039628 BB, US6994249 BB, US6988075 BA, US6967046 BB, US6953207 BB, US6860513 BB, US6802810 BB, US6770345 BB, US6757898 BA, US6680098 BA, US6671563 BA, US6637775 BA, US6613410 BA, US6491995 BA, US6432500 BA, US6402872 BA, US6367640 BA, US6357798 BA, US6352608 BA, US6305377 BA, US6272777 BA, US6263330 BA, US6260761 BA, US6189936 BA, US6014631 A, US5991731 A, US5958536 A, US5829789 A, US5779072 A, US5752723 A, US5727819 A, US5687863 A, US5642906 A, US5495944 A, US5342093 A, US532093 A, US5261702 A, US5207746 A, US5102169 A, US5031937 A, US4883180 A, US4799712 A, US4766542 A, US4732411 A, US4730849 A, US4727667 A, US4318477

A, US4312523 A, US4128954 A, US4028824 A, US2015352009 AA, US2014246349 AA, US2014195042 AA, US2009140513 AA, US2009030725 AA, US2009030719 AA, US2009024417 AA, US2009024416 AA, US2009019552 AA, US2009012820 AA, US2009012373 AA, US2008319784 AA, US2008312957 AA, US2008303264 AA, US2008301982 AA, US2008294462 AA, US2008288287 AA, US2008287746 AA, US2008276008 AA, US2008262930 AA, US2008262868 AA, US2008257777 AA, US2008235059 AA, US2008235050 AA, US2008228524 AA, US2008228519 AA, US2008215374 AA, US2008201173 AA, US2008197619 AA, US2008162181 AA, US2008154643 AA, US2008150275 AA, US2008140449 AA, US2008126135 AA, US2008103827 AA, US2008099367 AA, US2008097918 AA, US2008097787 AA, US2008091468 AA, US2008086339 AA, US2008086337 AA, US2008071572 AA, US2008056556 AA, US2008052129 AA, US2008046294 AA, US2008042423 AA, US2008035659 AA, US2008017602 AA, US2008015897 AA, US2007685 A, US2007270998 AA, US2007267430 AA, US2007252378 AA, US2007250346 AA, US2007250341 AA, US2007214018 AA, US2007204497 AA, US2007172429 AA, US2007164096 AA, US2007095850 AA, US2007034103 AA, US2007029788 AA, US2006219595 AA, US2006197336 AA, US2006163869 AA, US2006163110 AA, US2006163103 AA, US2006144919 AA, US2006078701 AA, US2006029766 AA, US2005268505 AA, US2005171815 AA, US2005140135 AA, US2005040642 AA, US2005038558 AA, US2005019518 AA, US2004251165 AA, US2004247812 AA, US2004243434 AA, US2004199404 AA, US2004193454 AA, US2004181982 AA, US2004169000 AA, US2004153339 AA, US2004075272 AA, US2004009347 AA, US2003225595 AA, US2003214129 AA, US2003205897 AA, US2003193185 AA, US2003193181 AA, US2003189732 AA, US2003177033 AA, US2003112466 AA, US2003111837 AA, US2003047937 AA, US2002184051 AA, US2001001144 AA, JP2006068175 A2, JP2003108002 A2, JP10297640, GB2380467 A1, GB2277075 A1, GB2006713 A1, EP1882635 A2, EP0441023 A2,

DE102005056037 A1

CN1911740 A, CN1911739 A, CA2527673 AA,

Forward Citations: USD782772, USD770296, USD767405, US9524376, US2015242713, US2015017289,

Abstract:
Source: US2013341329A The present invention relates to systems, methods, and apparatuses for the management, distribution, dispensing, and administration of consumer products, including over−the−counter and prescription medications through use of a product container labeling system and an optional integrated computer−based or online management system. In certain aspects, the invention relates to a product container comprising a hollow body, a child−resistant cap, and a specialized information label affixed to the hollow body.

0) US2005109662A – DENTAL HYGIENE SPACE–SAVER ORGANIZER

109) Family number: 31944648 (US2005109662A) © PatBase

Title: DENTAL HYGIENE SPACE–SAVER ORGANIZER

Priority: US20030721311 20031125

Family:

Publication number	Publication date	Application number	Application date
US2005109662 AA	20050526	US20030721311	20031125

Probable Assignee: KIRK ROGER D

Assignee(s):(std)**:** KIRK ROGER D

Inventor(s):(std)**:** KIRK ROGER D

Inventor(s): KIRK ROGER

Agent(s): HOWARD M COHN

International class (IPC 8–9)**:** A47K1/09 B65D69/00 (Advanced/Invention); A61C19/02 (Advanced/Non–invention); A47K1/08 B65D69/00 (Core/Invention); A61C19/00 (Core/Non–invention)

International class (IPC 1–7)**:** B65D69/00

CPC: A47K1/09 A61C19/02

European class: A47K1/09 K61C19/02

US class: 206/210 206/369 206/581

Classification Explorer

Cited documents: US6769538 BB, US6401727 BA, US5984440 A, US5662130 A, US5524980 A, US5332107 A, US5228595 A, US5215193 A, US5203473 A, US5095924 A, US4979708 A, US4248254 A, US4140222 A, US3228737 A, US3138414 A, US2642331 A,

Forward Citations: WO12145856, USD670116, US9687117, US9675779, US9603958, US9402451, US9155601, US8579163, US8439190, US2016375191, US2010288659, US2010243660, US2009218252, EP2701991, EP2701991, AU2011366733,

Abstract:
Source: US2005109662A A dental hygiene organizing and storage apparatus for dental hygiene equipment, comprising a front surface and a rear wall spaced from each other a distance suitable for placement of the organizing and storage apparatus within a medicine cabinet. There is a first storage space for removable storage of a toothpaste tube, a second storage space for removable storage of a container of dental floss, a third storage space for removable storage of a plurality of toothbrushes in isolation from one another, and a drip tray disposed below the third storage space. A second embodiment additionally comprises a fourth storage space for removable storage of a bottle of dental related fluid such as mouth rinse.

0) US2014223681A – FLUID DISPENSER WITH A SCRUBBING SURFACE

110) Family number: 57181370 (US2014223681A) © PatBase

Title: FLUID DISPENSER WITH A SCRUBBING SURFACE

Priority: US20130766224 20130213

Family:

Publication number	Publication date	Application number	Application date
US2014223681 AA	20140814	US20130766224	20130213

Probable Assignee: VEACH SHERRI COSEO

Assignee(s):(std)**:** VEACH SHERRI COSEO

Inventor(s):(std)**:** VEACH SHERRI COSEO

International class (IPC 8–9)**:** A46B11/00 (Advanced/Invention)

CPC: A46B5/0095 A46B15/0055 A46B2200/1013 B05B9/01 B05B15/00 B05B15/061

US class: 15/105

Classification Explorer

Cited documents: US8708591 BB, US5316401 A, US2009184177 AA,

Abstract:
Source: US2014223681A A garden hose with a nail brush provides a nozzle that receives a nail brush along a top portion. The nail brush can be permanently or removably connected to the nozzle. The nail brush includes a first surface that connects to the nozzle, as well as a second surface which supports a plurality of bristles. In addition, a loop forms a strap or holder for the nail brush, which can be used to hang the nail brush (and attached nozzle) from a nail or other organizer system. The nozzle can be of a variety of nozzle types, which often include a diffuser and pressure regulator. Ergonomic features, such as a contoured grip on the nozzle handle, can also be included.

0) US2014360021A – RAZOR COMPONENTS WITH NOVEL COATING

111) Family number: 57981688 (US2014360021A) © PatBase

Title: RAZOR COMPONENTS WITH NOVEL COATING

Priority: US20130831329P 20130605 US20140294539 20140603 WO2014US41037 20140605

Family:

Publication number	Publication date	Application number	Application date
AU2014274851 AA	20141211	AU20140274851	20140605
CA2914232 AA	20151201	CA20142914232	20140605
CN105518082 A	20160420	CN201480032149	20140605
EP3004262 A1	20160413	EP20140736144	20140605
IN10759DN2015 A	20160422	IN2015DN10759	20151124
JP2016524505 T2	20160818	JP20160517987T	20140605
MX2015016605 A1	20160316	MX20150016605	20140605
RU2015152089 A	20170718	RU20150152089	20140605
SG11201509623T A1	20151230	SG20151109623	20140605
US2014360021 AA	20141211	US20140294539	20140603
WO14197667 A1	20141211	WO2014US41037	20140605

Probable Assignee: GILLETTE CO

Assignee(s):(std)**:** GILLETTE CO

Assignee(s): GILLETTE CO LLC ; N A ; SONNENBERG NEVILLE ; SPOONER WYMAN JOIA KIRIN ; STEPHENS ALISON FIONA ; GILLETE CO

Inventor(s):(std)**:** SONNENBERG NEVILLE ; SPOONER WYMAN JOIA KIRIN ; STEPHENS ALISON FIONA

Inventor(s): ALISON FIONA STEPHENS ; JOIA KIRIN SPOONER WYMAN ; NEVILLE SONNENBERG

Agent(s): PHILLIPS ORMONDE FITZPATRICK; MBM INTELLECTUAL PROPERTY LAW LLP; KOHOL SONIA; TANI AND ABE PC; GUFFEY TIMOTHY B

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B24B1/00 B26B21/14 B26B21/40 B26B21/44 B26B21/52 B26B21/60 C09D5/00 C09D5/16 (Advanced/Invention)

CPC: B26B21/14 B26B21/52 B24B1/00 B26B21/4012 B26B21/60 C09D5/00 C09D5/16 B26B21/443

US class: 216/38 30/41 427/230 427/236

Classification Explorer

Cited documents: WO9818605 A1, WO12100100 A2, WO12100099 A2, WO09069182 A1, US2014290731 AA, US2013180117 AA, US2013032646 AA, US2013032316 AA, US2011010950 AA, US2009188816 AA, US2008178897 AA, JP9253351 A2, GB1050244 A, GB1050243 A, GB1050241 A, EP2581181 A2, CN1917990 A, CN102470537 A, CN102036792 A,

Forward Citations: USD745215, USD739605, USD739604, USD730579, US9539734,

Abstract:
Source: US2014360021A This invention relates to a novel application of liquid–infused surface materials (LISM) to at least a portion of one or more surfaces of razor components (e.g., frame, housing, clips, blade supports, blade body, blade edge, lubricating bodies, guard, handle, grip, button). If applied to a skin contacting surface of a component, the one or more LISM layers may generally be abrasion–resistant, long–lasting or non–erodible, desirably elevating shaving performance, such as glide, comfort, rinsing, and cleanliness, while also simplifying the manufacturing process.

0) US2017200901A – LIGHT–EMITTING DEVICE, ELECTRONIC APPARATUS, AN...

112) Family number: 61060594 (US2017200901A) © PatBase

Title: LIGHT–EMITTING DEVICE, ELECTRONIC APPARATUS, AND INSPECTION METHOD

Priority: JP20140114339 20140602 WO2015JP02640 20150526

Family:

Publication number	Publication date	Application number	Application date
CN106463633 A	20170222	CN201580029493	20150526
EP3151299 A1	20170405	EP20150802371	20150526
JP2015228460 A2	20151217	JP20140114339	20140602
US2017200901 AA	20170713	US20150315569	20150526
WO15186311 A1	20151210	WO2015JP02640	20150526

Probable Assignee: SEIKO EPSON CORP

Assignee(s):(std)**:** SEIKO EPSON CORP

Inventor(s):(std)**:** FUJITA TETSUJI ; HAMADE YUIGA

Agent(s): HOFFMANN EITLE; WATANABE KAZUAKI ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): C07D513/04 C07F5/02 C09K11/02 C09K11/06 G01R31/44 H01L51/00 H01L51/50 H05B33/12 (Advanced/Invention); C07D513/04 C07F5/02 (Advanced/Non–invention)

CPC: C07F5/02 H01L51/50 H01L51/0061 C09K11/025 H01L51/008 C07F5/022 H01L51/0072 H01L51/0058 G01R31/44 C09K2211/1007 C09K2211/1014 C09K2211/1081 H01L51/5012 C07D513/04 C09K11/06 C09K2211/1022 H01L51/0071 H01L51/5072 H01L2251/533 H01L2251/558

Classification Explorer

Cited documents: JP2013177327 A2, JP2012219078 A2, JP2011029364 A2, JP2010176966 A2, JP2009158126 A2,

Abstract:
Source: US2017200901A To provide a light–emitting element which emits light in a near–infrared region and has high efficiency and long life, and a light–emitting device, an authentication device, and an electronic apparatus, each of which includes this light–emitting element. A light–emitting device **100** of the invention includes a light–emitting element **1**A including an anode **3**, a cathode **8**, and a light–emitting layer **5** which is provided between the anode **3** and the cathode **8** and emits light in a near–infrared region by applying a current between the anode **3** and the cathode **8**, wherein the device emits visible light with a luminance of 5 cd/m^2 or more when a current is applied between the anode **3** and the cathode **8** at a current density of 300 A/cm^2 or less.

0) US2004132049A – METHOD FOR THE DETECTION OF APOPTOSIS

113) Family number: 30223506 (US2004132049A) © PatBase

Title: METHOD FOR THE DETECTION OF APOPTOSIS

Priority: AU20030248724 20030626 AU20100202118 20100525 US20090604212 20091022 WO2003US20167 20030626 US20020392143P 20020626 US20030607455 20030626

Family:

Publication number	Publication date	Application number	Application date
AT458196 E	20100315	AT20030762073T	20030626
AU2003248724 AA	20040119	AU20030248724	20030626
AU2010202118 AA	20100617	AU20100202118	20100525
CA2489520 AA	20041214	CA20032489520	20030626
DE60331310 D1	20100401	DE20036031310	20030626
EP1516186 A1	20050323	EP20030762073	20030626
EP1516186 A4	20061122	EP20030762073	20030626
EP1516186 B1	20100217	EP20030762073	20030626
JP2005530515 T2	20051013	JP20040517874T	20030626
US2004132049 AA	20040708	US20030607455	20030626
US2011065121 AA	20110317	US20090604212	20091022
WO04003554 A1	20040108	WO2003US20167	20030626

Probable Assignee: OF LOUISVILLE RESEARCH FOUNDATION INC UNIV

Assignee(s):(std)**:** BATES PAULA J ; MI YINGCHANG ; UNIV LOUISVILLE RES FOUND ; UNIV LOUISVILLE RES FOUNDATION

Assignee(s): OF LOUISVILLE RESEARCH FOUNDATION INC UNIV ; UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION INC ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALT ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; NATIONAL INST ; NATIONAL INSTITUTES OF HEALTH

Inventor(s):(std)**:** BATES PAULA ; BATES PAULA J ; MI YINGCHANG

Inventor(s): PAULA J BATES ; YINGCHANG MI

Agent(s): GRIFFITH HACK; BARRIGAR INTELLECTUAL PROPERTY LAW; MACLEAN MARTIN ROBERT

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): C12M1/34 C12N15/09 C12Q1/02 C12Q1/25 C12Q1/48 C12Q1/68 G01N33/50 G01N33/53 G01N33/564 G01N33/566 G01N33/567 G01N33/57 G01N33/574
G01N33/68 (Advanced/Invention);
G01N33/57 (Core/Invention)

International class (IPC 1–7): C12N15/09 C12Q1/02 C12Q1/48 C12Q1/68 G01N33/50 G01N33/53 G01N33/567 G01N33/574 G01N33/68

CPC: C12Q1/25 G01N33/564 G01N33/57488 G01N33/6875 G01N33/6896 G01N2333/91142 G01N2510/00

European class: C12Q1/25 G01N33/50D G01N33/564 G01N33/574V2 G01N33/68H G01N33/68V2 S01N333/910D2 S01N510/00

US class: 435/287.2 435/287.200S 435/6 435/6.16 435/6.160P 435/6P 435/7.1 435/7.100P 435/7.23 435/7.230S 436/501 436/501S

Classification Explorer

Cited documents: WO9906588 A1, WO0135093 A1, WO0063250 A1, US6506559 BA, US6462189 BA, US6350452 BA, US6339075 BA, US6325785 BA, US6306404 BA, US6291643 BA,

US6096532 A, US6048703 A, US5932475 A, US5925334 A, US5770429 A, US5736348 A, US5629197 A, US5567595 A, US5545807 A, US5192660 A, US5093246 A, US4665897 A, US4522811 A, US4474892 A, US2005053607 AA, US2003194754 AA, US2002028488 AA,

Forward Citations: WO14037785, WO04073739, US9452219, US9260517, US9063155, US8648051, US8586717, US8114850, US8029784, US8012480, US7960540, US7541150, US7357928, US2013052647, US2011178161, US2009326047, US2009226914, US2009131351, US2009017009, US2008318888, US2008318887, US2008187894, US2005053607, JP2009162564,

Abstract:
Source: US2004132049A Methods for the detection of apoptosis by measuring apoptotic bodies shed by apoptotic cells are provided, as are kits to carry out such methods.

114) Family number: 32249562 (US2003093377A) © PatBase

Title: METHOD AND SYSTEM FOR ONLINE PAYMENTS USING SENSOR WITH IDENTIFIER

Priority:

AU1999PQ00559 19990525 AU1999PQ01312 19990630 AU1999PQ01313 19990630
AU20000074982 20000915 AU20000074983 20000915 AU1999PQ04392 19991201
AU1999PQ02912 19990917 AU1999PQ03632 19991025 AU20000074984 20000915
AU20010010098 20001020 AU20030254700 20031015 AU20030254733 20031015
AU20020240728 20020327 AU20030248034 20030917 AU20010010095 20001020
AU20000074985 20000915 AU20010010097 20001020 AU2001PR03996 20010327
AU2001PR03996 20010327 AU20030254734 20031015 AU20030254699 20031015
AU20040220739 20041018 AU20040220740 20041018 AU20050202936 20050704
AU20050203489 20050805 AU20040201005 20040311 AU20030261517 20031107
US20020291509 20021112 US20000575197 20000523 AU20040220742 20041018
AU20040226971 20041104 WO2000AU01276 20001020 WO2000AU01111 20000915
WO2000AU01108 20000915 WO2000AU01109 20000915 WO2000AU01110 20000915
AU20040201880 20040504 AU20040201882 20040504 AU20040201883 20040504
AU20040201878 20040504 AU20030254736 20031015 WO2000AU01279 20001020
WO2000AU01278 20001020

Family:

Publication number	Publication date	Application number	Application date
AU200074982 A5	20010424	AU20000074982D	20000915
AU200074983 A5	20010424	AU20000074983	20000915
AU200074984 A5	20010424	AU20000074984	20000915
AU200074985 A5	20010424	AU20000074985	20000915
AU2003248034 AA	20031030	AU20030248034	20030917
AU2003248034 BB	20040722	AU20030248034	20030917
AU2003254699 AA	20031106	AU20030254699	20031015
AU2003254699 BB	20050630	AU20030254699	20031015
AU2003254700 AA	20031106	AU20030254700	20031015
AU2003254700 BB	20050414	AU20030254700	20031015
AU2003254733 AA	20031113	AU20030254733	20031015
AU2003254733 BB	20050526	AU20030254733	20031015
AU2003254734 AA	20031113	AU20030254734	20031015
AU2003254734 BB	20050602	AU20030254734	20031015
AU2003254736 AA	20031113	AU20030254736	20031015
AU2003254736 BB	20050929	AU20030254736	20031015
AU2004201005 AA	20040401	AU20040201005	20040311
AU2004201005 BB	20060615	AU20040201005	20040311
AU2004201878 AA	20040603	AU20040201878	20040504
AU2004201878 BB	20050609	AU20040201878	20040504
AU2004201880 AA	20040603	AU20040201880	20040504
AU2004201880 BB	20050721	AU20040201880	20040504
AU2004201882 AA	20040603	AU20040201882	20040504
AU2004201882 BB	20050721	AU20040201882	20040504
AU2004201883 AA	20040603	AU20040201883	20040504
AU2004201883 BB	20050609	AU20040201883	20040504
AU2004220739 AA	20041104	AU20040220739	20041018
AU2004220739 BB	20060316	AU20040220739	20041018
AU2004220740 AA	20041104	AU20040220740	20041018
AU2004220740 BB	20060413	AU20040220740	20041018
AU2004220742 AA	20041104	AU20040220742	20041018
AU2004220742 BB	20060810	AU20040220742	20041018

AU2004226971 AA	20041202	AU20040226971	20041104	
AU2005202936 AA	20050721	AU20050202936	20050704	
AU2005202936 BB	20070517	AU20050202936	20050704	
AU2005203489 AA	20050825	AU20050203489	20050805	
AU2005203489 BB	20050908	AU20050203489	20050805	
AU764448 B2	20030821	AU20000074982	20000915	
AU764450 B2	20030821	AU20000074985	20000915	
AU764616 B2	20030828	AU20000074983	20000915	
AU765063 B2	20030904	AU20000074984	20000915	
US2003093377 AA	20030515	US20020291509	20021112	
US7222098 BB	20070522	US20020291509	20021112	

Probable Assignee: SILVERBROOK RESEARCH PTY LTD

Assignee(s):(std)**:** SILVERBROOK RES PTY LTD ; SILVERBROOK RESEARCH PTY LTD

Assignee(s): WALMSLEY SIMON ROBERT ; ZAMTEC LTD ; LAPSTUN JACQUELINE ANNE ; LAPSTUN PAUL ; MEMJET TECHNOLOGY LTD ; SILVERBROOK KIA

Inventor(s):(std)**:** KING TOBIN ALLEN ; WALMSLEY SIMON ROBERT ; TOBIN ALLEN KING ; SIMON ROBERT WALMSLEY ; SILVERBRROK KIA ; SILVERBROOK KIA ; PAUL LAPSTUN ; LAPSTUN PAUL ; LAPSTUN JACQUELINE ANNE ; KIA SILVERBRROK ; KIA SILVERBROOK ; JACQUELINE ANNE LAPSTUN

Agent(s): SILVERBROOK RESEARCH PTY LTD; PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD

International class (IPC 8–9): A63F9/18 B41J1/00 B41J13/10 B41J2/175 B41J2/21 B41J2/235 B41J2/475 B41J21/00 B41J29/00 B41J29/38 B41J3/36 B41J3/407 B42C9/00 B42D15/00 B43K1/00 B43K17/00 B43K23/008 B43K24/10 B43K27/00 B43K29/00 B43K29/08 B43K29/093 B43K5/18 B43K8/00 B43K8/22 G03B19/02 G03G15/36 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F21/20 G06F3/03 G06F3/033 G06F3/0354 G06F3/041 G06F3/042 G06F3/06 G06F3/12 G06F9/445 G06K1/00 G06K1/18 G06K11/06 G06K15/00 G06K17/00 G06K19/06 G06K19/10 G06K7/10 G06K9/18 G06K9/20 G06K9/22 G06K9/62 G06Q10/00 G06Q10/10 G06Q20/00 G06Q20/10 G06Q20/14 G06Q20/20 G06Q20/36 G06Q20/38 G06Q30/00 G06Q30/04 G06Q30/06 G06Q40/00 G06Q50/00 G06Q50/18 G06Q99/00 G06T1/00 G06T11/80 G07F19/00 G08C21/00 G08G1/00 G09B29/00 G09B29/02 G09F19/00 H04L9/32 H04N1/00 H04N1/04 H04N1/047 H04N1/107 H04N1/32 H04N1/327 H04N1/387 (Advanced/Invention);
A63F3/04 A63F9/24 (Advanced/Non–invention);
B41J2/21 B41J2/235 B43K17/00 B43K24/00 B43K27/00 B43K8/00 G03B19/02 G06F3/03 G06F3/033 G06F3/06 G06F3/12 G06K1/00 G06K11/06 G06K19/06 G06K19/10 G08C21/00 H04L9/32 (Core/Invention);
G06K (Subclass/Invention)

International class (IPC 1–7): B41J2/21 B41J2/235 B43K017/00 B43K024/10 B43K027/00 B43K17/00 B43K24/10 B43K27/00 B43K8/22 G03B19/02 G06F17/60 G06F3/03 G06F3/033 G06F3/06 G06F3/12 G06F3/33 G06K019/06 G06K1/18 G06K11/06 G06K11/18 G06K19/06 G06K19/10 G08C21/00 H04L9/32

CPC: G06Q20/14 G06Q20/10 G06Q20/102 G06Q20/208 G06Q20/3674 G06Q20/382 G06Q30/04 G06Q30/0601 G06Q30/0633 G06Q30/0641 G06Q40/00 G06Q40/025 G06Q50/188 G07F17/26 G09B29/106 G09B5/02 G09B29/007 B41J2/17513 A63F9/183 A63F13/12 A63F2003/0439 A63F2009/186 A63F2009/241 A63F2300/532 G01C21/362 H04N1/32133 G06F3/0321 G06F3/04845 G06F3/03545 G06F3/04883 G06F17/242 G06F17/243 G06F2203/0337 G06Q10/10 H04N1/00127 B41J2/17553 B41J2/17503 B41J2/2114 B41J3/36 B41J13/106 B42C9/0081 B43K8/003 B43K8/006 B43K8/22 B43K23/008 B43K29/08 H04N1/00244 H04N1/00376 H04N1/00567 H04N1/00968 H04N1/0461 H04N1/047 H04N1/107 H04N1/32101 H04N1/32128 H04N1/32771 H04N1/32778 H04N2201/04717 H04N2201/3205 H04N2201/3207 H04N2201/3226 H04N2201/3242 H04N2201/3269 H04N2201/327 H04N2201/3271 H04N2201/3278 G06K9/222 G01C21/3623 H04N1/00204 H04N1/00358 H04N1/32122

European class: G06Q20/10 G06Q20/102 G06Q20/14 G06Q20/208 G06Q20/3674 G06Q20/382 G06Q30/04 G06Q30/0601 G06Q30/0633 G06Q30/0641 G06Q40/00 G06Q40/025 G06Q50/188 G07F17/26

US class: 705/23 705/34 705/40 705/40P 705/62 705/67

Classification Explorer

Cited documents: WO9950787 A1, WO9939277 A1, WO9934277 A2, WO9919823 A2, WO9918487 A2, WO9910058 A1, WO9814887 A1, WO9722959 A1, US6537324 BA, US6341845 BA, US6315384 BA, US6254220 BA, US6151049 A, US6076734 A, US6015211 A, US6012102 A, US5971521 A, US5939702 A, US5938727 A, US5903729 A, US5892824 A, US5869595 A, US5866856 A, US5852434 A, US5832460 A, US5822291 A, US5806997 A, US5804806 A, US5802498 A, US5798777 A, US5781914 A, US5754655 A, US5750972 A, US5727249 A, US5699528 A, US5699093 A, US5696906 A, US5692073 A, US5673430 A, US5661506 A, US5652412 A, US5627575 A, US5594226 A, US5552813 A, US5501535 A, US5491325 A, US5483069 A, US5477012 A, US5465206 A, US5448263 A, US5434371 A, US5434370 A, US5420615 A, US5383113 A, US5329108 A, US5326959 A, US5283829 A, US5248856 A, US5245363 A, US5217313 A, US5086197 A, US5051736 A, US5023408 A, US4905015 A, US4864618 A, US4785311 A, US4777329 A, US4758849 A, US4748460 A, US4712100 A, US4711977 A, US4670751 A, US4564928 A, US4528575 A, US3952314 A, US3613066 A, US3289211 A, US2226670 A, RU2108915 C1, JP62214965 A2, JP6055730 A2, JP406055730, JP362214965, JP10194562 A2, GB2343091 A1, GB2306669 A1, GB2226670 A1, GB2202664 A1, FR2695496 A1, FR2516673 A1, EP0914949 A2, EP0914948 A2, EP0785074 A2, EP0765222 A1, EP0671273 A1, EP0494674 A1, DE4326756 C1, AU9692098 A1,

Forward Citations: WO14191807, US8903950, US8732078, US8534566, US8370420, US8322848, US8199174, US8190676, US8162220, US8069226, US7748748, US7333947, US2010096458, US2010073415, US2009327108, US2007192474, US2006225595, US2005137948, US2002059119, TWI389042, SG124263, FR3006091, EP2058779,

Abstract:
Source: US2003093377A Methods and systems are disclosed which relate to online payments via interface surfaces printed with information and coded data. The coded data, encoded visibly or invisibly, may be queried by an appropriate sensing device. The sensing device communicates with a computer system. Together, the interface surfaces, sensing device and computer system are capable of effecting payment transactions over a network.

115) Family number: 34393141 (US2007085954A) © PatBase

Title: LIQUID CRYSTAL PANEL, METHOD FOR PRODUCING LIQUID CRYSTAL PANEL, AND ELECTRONIC APPARATUS

Priority: JP20050298463 20051013

Family:

Publication number	Publication date	Application number	Application date
CN100430791 C	20081105	CN200610142378	20061011
CN1949043 A	20070418	CN200610142378	20061011
JP2007108371 A2	20070426	JP20050298463	20051013
KR100847161 B1	20080717	KR20060099497	20061012
KR20070041370 A	20070418	KR20060099497	20061012
TW200732794 A	20070901	TW20060137606	20061012
TWI356951 B	20120121	TW20060137606	20061012
US2007085954 AA	20070419	US20060467299	20060825
US7548298 BB	20090616	US20060467299	20060825

Probable Assignee: SEIKO EPSON CORP

Assignee(s):(std)**:** SEIKO EPSON CORP

Inventor(s):(std)**:** CHO KEIPIN ; KEIPIN CHO ; KEIPIN TERAO KOICHI SHINOHARA ; KOICHI TERAO ; SASABAYASHI TOMOKO ; SHINOHARA YUJI ; TERAO KOICHI ; TOMOKO SASABAYASHI ; YUJI SHINOHARA ; CHO KEIHEI

Inventor(s): TERAO KOICHI SHINOHARA YUJI SASABAYASHI TOMOKO... ; TERAO KOICHI SHINOHARA YUJI SASABAYASHI TOMOKO CHO

Agent(s): HARNESS DICKEY AND PIERCE PLC

International class (IPC 8–9)**:** G02F1/13 G02F1/1333 G02F1/1335 G02F1/1337 G02F1/1339 (Advanced/Invention); G02F1/1335 G02F1/1337 (Advanced/Non–invention); G02F1/13 (Core/Invention)

CPC: G02F1/1341 G02F1/133734 G02F1/1335 G02F1/1337

European class: G02F1/1337F S02F1/1341

US class: 349/125 349/153 349/190

Classification Explorer

Cited documents: US6816219 BB, US6816219 B2, US6323924 BA, US6323924 B1, TWI238982, KR19990072544 A, KR100122079 B1, KR0122079 B1, JP59144617 A2, JP58102924 A2, JP5203958 A2, JP51110349 A2, JP2002350874 A2, JP2001089568 A2,

Forward Citations: WO11071669, US9350004, US8830202, US2016097883, US2016018696, US2011144745, TWI442292, JP6037070, CN105026994, CN102445789, CN102445789,

Abstract:
Source: US2007085954A A liquid crystal panel includes: a pair of substrates; inorganic oriented films having plural fine pores being provided on surfaces of the substrates facing each other; a liquid crystal layer being provided between the inorganic oriented films; and a sealing part sealing the liquid crystal layer, the sealing part being provided between the inorganic oriented films and along an outer periphery of the inorganic oriented films, the liquid crystal panel further including a filling material including a compound having a first functional group having high affinity with the inorganic oriented films and a second functional group having high affinity with the sealing part, the filling material being filled in an area of the inorganic oriented films overlapping the sealing part to fill the fine pores and to covers surfaces of the inorganic oriented films.

116) Family number: 55022174 (US2015028257A) © PatBase

Title: LIQUID CRYSTAL COMPOSITION AND LIQUID CRYSTAL DISPLAY ELEMENT USING THE SAME

Priority: CN201280065863 20121005 CN201610334568 20121005 WO2012JP76027 20121005

Family:

Publication number	Publication date	Application number	Application date
CN104039926 A	20140910	CN201280065863	20121005
CN104039926 B	20160615	CN201280065863	20121005
CN106010578 A	20161012	CN201610334568	20121005
EP2808375 A1	20141203	EP20120886016	20121005
EP2808375 A4	20151202	EP20120886016	20121005
IN09162DN2014 A	20150710	IN2014DN09162	20141101
JP2014054181 A1	20160825	JP20120555222T	20121005
JP5311168 B1	20131009	JP20120555222T	20121005
KR101508227 B1	20150407	KR20147016444	20121005
KR20140090264 A	20140716	KR20147016444	20121005
US2015028257 AA	20150129	US20120384894	20121005
US9695361 BB	20170704	US20120384894	20121005
WO14054181 A1	20140410	WO2012JP76027	20121005

Probable Assignee: DIC CORP

Assignee(s):(std)**:** DAINIPPON INK AND CHEMICALS

Assignee(s): DIC CORP

Inventor(s):(std)**:** KAWAMURA JOJI ; JOJI KAWAMURA

Agent(s): BECKMANN CLAUS; WESTERMAN HATTORI DANIELS AND ADRIAN LLP; KONO MICHIHIRO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): C09K19/04 C09K19/12 C09K19/20 C09K19/30 C09K19/34 C09K19/42 C09K19/44 G02F1/13 (Advanced/Invention); C09K19/04 (Advanced/Non–invention)

CPC: C09K19/3068 C09K19/3066 C09K2019/3078 C09K2019/3009 C09K19/20 C09K19/44 C09K2019/0444 C09K2019/0448 C09K2019/0466 C09K2019/122 C09K2019/123 C09K2019/3004 C09K2019/301 C09K19/42 C09K19/12 C09K19/30 G02F1/13

US class: 252/299.63

Classification Explorer

Cited documents: WO12069151 A1, WO12020642 A1, WO12007096 A1, WO11137956 A1, WO11065299 A1, WO10270178 A1, WO10137538 A1, WO10131614 A1, WO10106910 A1, WO10099853 A1, WO10090076 A1, WO10050324 A1, WO09129915 A1, WO09100810 A1, WO09028368 A1, WO09028367 A1, WO08138643 A1, WO08025533 A1, WO06133783 A1, WO06038443 A1, WO05123879 A1, US9005479 BB, US8617419 BB, US8603594 BB, US2014070141 AA, US2014027672 AA, US2013248762 AA, US2013134355 AA, US2012256124 AA, US2012229751 AA, US2012068114 AA, US2012044453 AA, US2012001123 AA, US2011315925 AA, US2011309301 AA, US2011301360 AA, US2011291048 AA, US2011261312 AA, US2011260104 AA, US2011193023 AA, US2011095228 AA, US2011049427 AA, US2010320420 AA, US2010314582 AA, US2010302498 AA, US2010294993 AA, US2010294992 AA, US2010294991 AA, US2010276635 AA, US2010272927 AA, US2010224827 AA,

US2010219375 AA, US2010085529 AA, US2010051865 AA, US2010026953 AA, US2009321685 AA, US2009289223 AA, US2009256114 AA, US2009237610 AA, US2009194739 AA, US2009091703 AA, US2009065739 AA, US2008260971 AA, US2008199635 AA, US2008128653 AA, US2008083904 AA, US2008029736 AA, US2006278850 AA, US2006204677 AA, US2006043334 AA, US2003134056 AA, KR20120059384 A, JP8157826 A2, JP2014503615 T2, JP2014024888 A2, JP2012219270 A2, JP2012117062 A2, JP2012117062, JP2012007020 A2, JP2011231197 A2, JP2011052120 A2, JP2010501688 T2, JP2010275390 A2, JP2010270189 A2, JP2010270178 A2, JP2010261034 A2, JP2010254871 A2, JP2010053211 A2, JP2009270102 A2, JP2009256614 A2, JP2009191264 A2, JP2009185285 A2, JP2009084560 A2, JP2009067780 A2, JP2008545804 T2, JP2008502754 T2, JP2008189927 A2, JP2008088433 A2, JP2008038018 A2, JP2008037918 A2, JP2006328399 A2, JP2004140381 A2, JP2003518154 T2, JP2003518154, JP08157826, EP2457975 A2, EP2182045 A1, EP0717093 A2,

DE102009018149 A1

CN102559203 A, CN102250625 A, CN102226090 A, CN101544894 A,

Forward Citations: WO15111136, WO15071976, US9624433, US2015252263, TWI512088, JP5598642, JP5594554, JP2015111136, JP2015071976, EP2980185, CN105295957, CN104884576, CN104620166, CN104388100, CN104388100,

Abstract:
Source: US2015028257A The liquid crystal composition of the present invention can be used in a liquid crystal display element of an IPS type or a TN type in which display defects such as burn−in and dropping marks in high speed response are unlikely to be generated. Since the liquid crystal composition contains a component which is a dielectrically positive component including a dielectrically positive compound and a dielectrically neutral component of which dielectric anisotropy is greater than −2 and less than +2, the liquid crystal composition has excellent characteristics that the liquid crystal composition has a liquid crystal phase in a wide temperature range, low viscosity, excellent solubility at a low temperature, high specific resistance and a high voltage holding ratio, and is stable with respect to heat and light.

0) US2003090538A – PRINTHEAD SUPPORT ASSEMBLY

117) Family number: 15274691 (US2003090538A) © PatBase

Title: PRINTHEAD SUPPORT ASSEMBLY

Priority:

AU19990000559	19990523	AU19990000559	19990525	AU19990001304	19990630
AU19990001305	19990630	AU19990001306	19990630	AU19990000559	19991201
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AU1999PQ03457	19991015	AU1999PQ02912	19990917	AU1999PQ03632	19991025
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US20000575132	20000523	US20000609140	20000630	US20000610095	20000630
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US20060349143	20060208	US20060442366	20060530	US20060327491	20060109
US20060442428	20060530	WO2003AU01343	20031010	US20050531734	20050418
US20060329187	20060111	US20050228479	20050919	US20050227239	20050916
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Family:

Publication number	Publication date	Application number	Application date
AU130499 A0	19990722	AU1999PQ01304	19990630
AU130599 A0	19990722	AU1999PQ01305	19990630
AU130699 A0	19990722	AU1999PQ01306	19990630
AU131299 A0	19990722	AU1999PQ01312	19990630
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AU200053743 A5	20010122	AU20000053743D	20000630
AU2002952259 A0	20021107	AU20020952259	20021025
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AU345799 A0	19991111	AU1999PQ03457	19991015	
AU363299 A0	19991118	AU1999PQ03632	19991025	
AU439299 A0	19991223	AU1999PQ04392	19991201	
AU448399 A0	20000106	AU1999PQ04483	19991206	
AU491299 A0	20000203	AU1999PQ04912	19991224	
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CA2414702 AA	20021230	CA20002414702	20000630	
CA2414702 C	20080205	CA20002414702	20000630	
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CN1565845 A	20050119	CN200410063364	20000630	
CN1818848 A	20060816	CN200410081742	20000524	
EP1204533 A1	20020515	EP20000938326	20000630	
EP1204533 A4	20021009	EP20000938326	20000630	
EP1204533 B1	20050406	EP20000938326	20000630	
EP1706810 A1	20061004	EP20040725236	20040402	
EP1706810 A4	20080521	EP20040725236	20040402	
US2003090538 AA	20030515	US20020291705	20021112	
US2003090541 AA	20030515	US20020291706	20021112	
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US2004250421 AA	20041216	US20040893385	20040719	
US2004263555 AA	20041230	US20040893386	20040719	
US2004263566 AA	20041230	US20040893373	20040719	
US2005068363 AA	20050331	US20040990552	20041118	
US2005073551 AA	20050407	US20040990527	20041118	
US2005146568 AA	20050707	US20050071117	20050304	
US2005151794 AA	20050714	US20050072529	20050307	
US2005162463 AA	20050728	US20050084755	20050321	
US2005162466 AA	20050728	US20050082955	20050318	
US2005162467 AA	20050728	US20050082988	20050318	
US2005198515 AA	20050908	US20050082827	20050318	
US2005200636 AA	20050915	US20050124162	20050509	
US2005200892 AA	20050915	US20050123136	20050506	
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US2005202804 AA	20050915	US20050124178	20050509	
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Agent(s): SILVERBROOK RESEARCH PTY LTD; PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; RIDOUT AND MAYBEE LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): A63F9/18 B41F31/08 B41J1/00 B41J13/10 B41J2/01 B41J2/045 B41J2/14 B41J2/155 B41J2/165 B41J2/175 B41J2/21 B41J2/475 B41J21/00 B41J21/16 B41J29/00 B41J29/02 B41J29/13 B41J29/38 B41J29/40 B41J3/00 B41J3/01 B41J3/36 B41J3/407 B41J3/42 B41J3/44 B41J5/30 B41L27/10 B41L43/12 B42C1/12 B42C19/02 B42C9/00 B42D15/00 B42D15/02 B42D15/10 B43K1/00 B43K17/00 B43K23/008 B43K24/10 B43K27/00 B43K29/00 B43K29/08 B43K29/093 B43K5/18 B43K8/00 B43K8/22 B65H29/34 B65H37/02 B65H37/04 C09B49/12 C09B57/10 C09D11/00 C09D11/02 D21H19/38 G01N33/48 G01N33/50 G03B15/00 G03B17/00 G03B17/50 G03B19/02 G03B27/00 G03B29/00 G03G15/36 G05B15/00 G06F13/00 G06F15/00 G06F15/02 G06F15/16 G06F17/00 G06F17/21 G06F17/22 G06F17/30 G06F17/40 G06F17/50 G06F19/00 G06F21/20 G06F3/00 G06F3/01 G06F3/023 G06F3/03 G06F3/033 G06F3/0354 G06F3/038 G06F3/041 G06F3/042 G06F3/048 G06F3/0488 G06F3/05 G06F3/06 G06F3/08 G06F3/12 G06F7/00 G06F7/02 G06F7/04 G06F7/08 G06K1/00 G06K1/20 G06K11/00 G06K11/06 G06K11/18 G06K15/00 G06K15/02 G06K17/00 G06K19/00 G06K19/06 G06K19/08 G06K19/10 G06K5/00 G06K7/00 G06K7/10 G06K7/14 G06K9/00 G06K9/18 G06K9/20 G06K9/22 G06K9/46 G06K9/54 G06K9/60 G06K9/62 G06K9/78 G06Q10/00 G06Q10/02 G06Q10/08 G06Q10/10 G06Q20/00 G06Q20/04 G06Q20/10 G06Q20/14 G06Q20/20 G06Q20/36 G06Q20/38 G06Q20/40 G06Q30/00 G06Q30/02 G06Q30/04 G06Q30/06 G06Q40/00 G06Q50/18 G06Q99/00 G06T1/00 G06T11/60 G06T11/80 G07C11/00 G08C17/00 G08C19/00 G08C21/00 G08G1/00 G09B29/00 G09B29/02 G09B7/00 G09C3/00 G09F19/00 G09G5/00 G09G5/08 G10K15/02 G10L13/00 G10L19/00 H04B1/034 H04B1/38 H04B7/00 H04B7/26 H04K1/00 H04L12/16 H04L12/24 H04L12/58 H04L29/06 H04L29/08 H04L9/00 H04L9/10 H04L9/32 H04M1/00 H04M1/247 H04M1/2745 H04M1/2755 H04M1/725 H04M11/00 H04M3/00 H04M3/42 H04M3/56 H04N1/00 H04N1/024 H04N1/04 H04N1/047 H04N1/107 H04N1/23 H04N1/32 H04N1/327 H04N1/387 H04N1/40 H04N1/46 H04N1/60 H04N3/15 H04N5/217 H04N5/222 H04N5/225 H04N5/76 H04N5/91 H04N7/15 H04N7/26 H04Q11/00 H04Q7/32 H04Q7/38 H04Q9/00 (Advanced/Invention);
A63F3/04 A63F9/24 G06F15/16 G06F3/12 G06K9/20 G06K9/22 H04M1/00 H04M1/66 H04M1/68 H04M1/725 H04M3/16 H04N1/107 H04N1/32 H04N101/00 (Advanced/Non–invention);
B41J1/00 B41J2/01 B41J2/045 B41J2/14 B41J2/145 B41J2/175 B41J3/00 B42D15/00 G06F15/00 G06F15/02 G06F17/30 G06F17/40 G06F17/50 G06F3/03 G06F3/033 G06F3/041 G06F3/048 G06F3/12 G06K11/00 G06K15/02 G06K7/00 G06K7/10 G06K9/00 G06K9/46 G06K9/54 G06Q30/00 G06Q40/00 G06Q50/00 G06Q99/00 G08C21/00 H04M1/00 H04N1/024 H04N1/60 H04N3/15 H04N5/217 H04Q7/38 (Core/Invention);
B41J G06F G06K (Subclass/Invention)

International class (IPC 1–7): B41J2/01 B41J2/05 B41J2/14 B41J2/145 B41J2/155 B41J2/16 B41J2/175 B41J21/75 B41J29/393 B41J3/00 B41J3/36 B41J3/54 G06F15/00 G06F15/16 G06F17/30 G06F17/60 G06K1/00 G06K7/00 G06Q40/00 G09G5/00 H04K1/00 H04L9/00 H04N1/46

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European class:

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US class: 1/1 1/1P 178/18.01 178/18.03 178/18.09 178/19.01 178/19.04 178/19.05 178/20.01 235/375 235/381 235/435 235/435P 235/439 235/454 235/462.01 235/462.03 235/462.04 235/462.38 235/462.43 235/462.44 235/462.440P 235/462.45 235/462.46 235/472.01 235/472.02 235/494 235/494P 250/566 250/566P 283/74 283/85 29/890.1 29/890.100P 341/13 345/156 345/156P 345/158 345/173 345/176 345/179 345/179P 345/180 345/9 345/9P 346/140.01 346/140.1 347/13 347/19 347/19P 347/2 347/2P 347/40 347/40P 347/42 347/42P 347/45 347/45P 347/49 347/49P 347/49S 347/5 347/58 347/65 347/65P 347/85 348/E03.021 348/E3.021 348/E30.21 348/E30.21S 358/1.1 358/1.12 358/1.120S 358/1.13 358/1.14 358/1.140P 358/1.15 358/1.150P 358/1.16 358/1.18 358/1.180P 358/1.180S 358/1.8 358/1.9 358/1.900P 358/11.8 358/3.28 358/3.280P 358/32.8 358/402 358/403 358/440 358/442 358/442S 358/453 358/462 358/473 358/474 358/474S 358/539 358/539P 379/100.07 380/259 380/259S 380/270 380/51 380/55 382/119 382/119P 382/182 382/186 382/188 382/203 382/312 382/313 382/314 382/314S 382/317 386/109 386/241 386/248 386/353 386/46 400/88 400/88P 401/195 455/411 455/411P 455/414.1 455/414.100P 455/414.4 455/415 455/418 455/419 455/420 455/550.1 455/556.1 455/556.100P 455/556.2 455/557 455/564 455/66.1 705/1 705/14.1 705/14.4 705/40 705/40P 705/51 705/51P 705/57 705/57P 705/6 705/67 705/67S 705/6P 705/71 705/71P 707/200 707/201 707/999.2 707/999.201 707/999.201S 707/E17.067 707/E17.067S 707/E17.109 707/E17.109S 709/206 709/206S 713/150 713/182 713/182P 713/186 713/186P 715/211S 715/221 715/229 715/234 715/243 715/247S 715/268S 715/505 715/506 715/507 715/700

Classification Explorer

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Abstract:
Source: US2003090538A An inkjet printhead assembly includes a hollow elongate member defining ink supply channels. The ink supply channels are in fluid communication with an elongate slot in and extending at least partly along the elongate member. A plurality of printhead segment carriers is received and secured in neighbouring arrangement within the slot, and at least one printhead segment is mounted to each printhead segment carrier.

0) US2003198953A – NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME ...

118) Family number: 33108484 (US2003198953A) © PatBase

Title: Novel proteins and nucleic acids encoding same

Priority:
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US20010863776 20010523 WO2001US17073 20010524

Family:

Publication number	Publication date	Application number	Application date
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WO0190155 A2	20011129	WO2001US17073	20010524
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Probable Assignee: CURAGEN CORP

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Assignee(s): HUNTER L

Inventor(s):(std)**:** KIMBERLY A SPYTEK ; KUMUD MAJUMDER ; LEACH MARTIN ; LI LI ; LUCA RASTELLI ; MAJUMDER KUMUD ; MISHRA VISHNU ; MURALIDHARA PADIGARU ; PADIGARU MURALIDHARA ; RASTELLI LUCA ; RAYMOND J TAUPIER JR ; SHENOY SURESH ; SHENOY SURESH G ; SHIMKETS RICHARD A ; SPADERNA STEVEN K ; SPYTEK KIMBERLY A ; STEVEN K SPADERNA ; SURESH SHENOY ; TAUPIER RAYMOND J ; TCHERNEV VELIZAR T ; VELIZAR T TCHERNEV ; VISHNU MISHRA ; ESHA GANGOLLI ; GANGOLLI ESHA

Inventor(s): HUNTER LEE ; DAVID B SALZMAN ; TAUPIER JR RAYMOND J ; RICHARD A SHIMKETS ; MARTIN LEACH

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; EVERITT PETER R

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): A01K67/027 A61K31/7115 A61K35/76 A61K38/00 A61K38/17 A61K39/395 A61K48/00 A61P1/00 A61P1/02 A61P1/14 A61P1/16 A61P1/18 A61P11/06 A61P13/12 A61P17/02 A61P17/06 A61P19/02 A61P19/04 A61P19/10 A61P25/00 A61P25/02 A61P25/08 A61P25/14 A61P25/16 A61P25/24 A61P25/28 A61P25/30 A61P27/14 A61P29/00 A61P3/00 A61P3/04 A61P3/06 A61P3/10 A61P31/04 A61P31/10 A61P31/12 A61P31/18 A61P33/02 A61P35/00 A61P35/02 A61P37/00 A61P37/02 A61P37/08 A61P43/00 A61P5/14 A61P7/00 A61P7/02 A61P7/06 A61P9/04 A61P9/08 A61P9/10 A61P9/12 C07K14/00 C07K14/47 C07K14/50 C07K14/575 C07K14/705 C07K16/18 C07K16/40 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/11 C12N15/12 C12N15/62 C12N15/63 C12N5/10 C12N9/12 C12P21/02 C12P21/08 C12Q1/02 C12Q1/68 F01C1/32 G01N33/15 G01N33/50 G01N33/53 G01N33/566 (Advanced/Invention);
A01K67/027 A61K31/7115 A61K38/00 A61K39/395 A61K48/00 A61P1/00 A61P29/00 A61P3/00 A61P35/00 A61P43/00 C07K16/18 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/10 C12P21/02 C12Q1/02 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 G01N33/566 (Advanced/Non–invention);
A01K67/027 A61K31/7115 A61K35/66 A61K38/00 A61K39/395 A61K48/00 A61P1/00 A61P11/00 A61P13/00 A61P17/00 A61P19/00 A61P25/00 A61P27/00 A61P29/00 A61P3/00 A61P31/00 A61P33/00 A61P35/00 A61P37/00 A61P43/00 A61P5/00 A61P7/00 A61P9/00 C07K14/00 C07K14/435 C07K16/18 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/12 C12N5/10 C12P21/02 C12Q1/02 C12Q1/68 F01C1/00 G01N33/15 G01N33/50 G01N33/53 G01N33/566 G02B6/26 G02B6/35 G02F1/35 H04B10/135 (Core/Invention);
G02F1/01 H04J14/08 (Core/Non–invention)

International class (IPC 1–7): A01K67/027 A61K31/7088 A61K31/7115 A61K35/76 A61K38/00 A61K38/17 A61K38/18 A61K39/395 A61K48/00 A61P1/00 A61P1/02 A61P1/14 A61P1/16 A61P1/18 A61P11/06 A61P13/12 A61P17/02 A61P17/06 A61P19/02 A61P19/04 A61P19/10 A61P25/00 A61P25/02 A61P25/08 A61P25/14 A61P25/16 A61P25/24 A61P25/28 A61P25/30 A61P27/14 A61P29/00 A61P3/00 A61P3/04 A61P3/06 A61P3/10 A61P31/04 A61P31/10 A61P31/12 A61P31/18 A61P33/02 A61P35/00 A61P35/02 A61P37/00 A61P37/02 A61P37/08 A61P43/00 A61P5/14 A61P7/00 A61P7/02 A61P7/06 A61P9/04 A61P9/08 A61P9/10 A61P9/12 C07H21/04 C07K14/00 C07K14/47 C07K14/475 C07K16/18 C07K16/22 C07K16/40 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/11 C12N15/12 C12N15/62 C12N15/63 C12N5/06 C12N5/10 C12N9/00 C12N9/12 C12P21/02 C12P21/08 C12Q1/02 C12Q1/68 F01C1/02 G01N33/15 G01N33/50 G01N33/53 G01N33/566 G01N33/68

CPC: C12N9/1205 A01K2217/05 A61K38/00 C07K14/47 C07K14/503 C07K14/57581 C07K14/705 C07K2319/00

European class: B26D5/08 B26D7/01C B26F1/38B B82Y20/00 C07K14/47 C07K14/50B C07K14/575N C07K14/705 C12N9/12C F01C1/32 G02B6/27R G02B6/35N2 G02B6/35S G02F1/35C H04B10/2572 K01K217/05 K61K38/00 M07K203/00 M07K203/02 M07K207/00 M07K213/00 M07K215/00 M07K319/00 S02B6/35E2 S02B6/35E8 S02B6/35N4B S02B6/35N8 S02B6/35Y S02F1/017L S02F1/09 S02F203/70 T04J14/08

US class: 359/483S 359/484.030S 359/484.060S 359/484.080S 359/484.090S 359/484.100P 359/488P 385/11S 398/65P 435/183 435/183S 435/320.1 435/320.100S 435/325 435/325S 435/6 435/6.14 435/6.140P 435/69.1 435/69.100S 435/6P 536/23.2 536/23.200S

Classification Explorer

Cited documents: WO0196547 A2, WO0190160 A2, WO0185921 A2, WO0155315 A2, WO0155315, WO0154474 A2, WO0154474, WO0136645 A2, WO0073469 A2, WO0058473 A2,

Forward Citations: WO15082525, WO06094813, WO06061628, WO06032148, WO05024429, WO05023833, WO05023833, WO05014818, WO04070025, WO04070025, WO04063223, WO04063223, WO04053077, WO04053077, WO04051269, WO04051269, WO04037858, WO04031388, WO04015108, WO04012817, WO04012817, WO04005346, WO04005346, WO04000313, WO04000313, WO03102164, WO03102164, WO03102029, WO03072779, WO03064654, WO03063769, WO03063769, WO03051917, WO03051917, WO03048317, WO03048317, WO03037930, WO03031627, WO03027279, WO03012099, WO03004623, WO03004623, WO03004607, WO03000727, WO03000727, WO0248369, WO0248369, WO0248323, WO0246402, WO0246402, WO0246221, WO0246221, WO0244358, WO0240674, WO0240674, WO0240538, WO0240538, WO0236781, WO0236781, WO0236741, WO0236741, WO0234903, WO0234903, WO0233086, WO0233086, WO0233062, WO0233058, WO0233058, WO0231134, WO0231134, WO0229039, WO0229039, WO0226982, WO0226955, WO0226955, WO0224744, WO0224744, WO0224739, WO0224739, WO0224738, WO0218582, WO0218582, WO0218420, WO0218420, WO0216595, WO0216595, WO0216561, WO0216561, WO02099066, WO02099066, WO02097088, WO02088380, WO02088380, WO02088184, WO02085922, WO02085922, WO02083706, WO02081667, WO02081667, WO02070538, WO02068466, WO02068466, WO0206485, WO0206485, WO02064783, WO02064783, WO02064777, WO02064777, WO02064762, WO02064762, WO0206328, WO0206328, WO0206318, WO0206318,

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Abstract:
Source: US2003198953A Disclosed herein are nucleic acid sequences that encode novel polypeptides. Also disclosed are polypeptides encoded by these nucleic acid sequences, and antibodies, which

immunospecifically–bind to the polypeptide, as well as derivatives, variants, mutants, or fragments of the aforementioned polypeptide, polynucleotide, or antibody. The invention further discloses therapeutic, diagnostic and research methods for diagnosis, treatment, and prevention of disorders involving any one of these novel human nucleic acids and proteins.

0) US2008161340A – TETRAHYDROQUINILINONES, TETRAHYDRONAPHTHYRIDONE...

119) Family number: 41975915 (US2008161340A) © PatBase

Title: TETRAHYDROQUINILINONES, TETRAHYDRONAPHTHYRIDONES AND DERIVATIVES THEREOF

Priority: US20060876081P 20061220 US20070004134 20071219 US20070904645P 20070302

Family:

Publication number	Publication date	Application number	Application date
US2008161340 AA	20080703	US20070004134	20071219
WO08079316 A1	20080703	WO2007US26118	20071219

Probable Assignee: CARA THERAPEUTICS INC

Assignee(s):(std)**:** BECKETT R PAUL ; CARA THERAPEUTICS INC ; GUSTAFSON GARY R

Assignee(s): BECKETT R

Inventor(s):(std)**:** BECKETT R PAUL ; GUSTAFSON GARY R

Inventor(s): BECKETT R

Agent(s): CARA THERAPEUTICS INC INTELLECTUAL PROPERTY DEPARTMENT; ANILIONIS ALGIS

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/4375 A61K31/444 A61K31/47 A61K31/4704 A61K31/4709 A61K31/497 C07D215/00 C07D215/227 C07D401/00 C07D401/04 C07D405/04 C07D405/14 C07D409/04 C07D413/04 C07D471/02 C07D471/04 (Advanced/Invention); A61K31/4353 A61K31/4704 A61K31/4709 C07D215/00 C07D401/00 C07D405/00 C07D409/00 C07D413/00 C07D471/00 (Core/Invention)

CPC: C07D215/227 C07D401/04 C07D405/04 C07D405/14 C07D409/04 C07D413/04 C07D471/04

European class: C07D215/227 C07D401/04 C07D405/04 C07D405/14 C07D409/04 C07D413/04 C07D471/04

US class: 514/300 514/312 514/312S 514/314 514/314S 546/122 546/122S 546/156 546/156S 546/167 546/167S

Classification Explorer

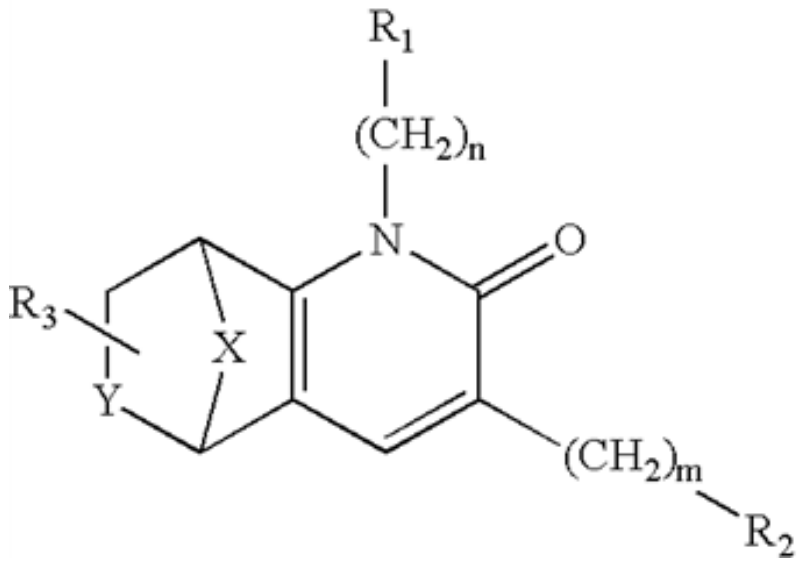
Cited documents: US2005009870 AA, EP1477186 A1, EP1357111 A1, EP1142877 A1,

Forward Citations: US9597340, US9492447, US9458136, US8778950,

Abstract:
Source: US2008161340A Tetrahydroquinolinone and tetrahydronaphthyridone cannabinoid receptor ligand compounds and stereoisomers, mixtures of stereoisomers, prodrugs, pharmaceutically acceptable salts, hydrates, solvates, acid salt hydrates, and isomorphic crystalline forms thereof are described. The compounds conform to the structure of

formula I:

Formula I



0) US2011190336A – AZABENZIMIDAZOLONES

120) Family number: 44926861 (US2011190336A) © PatBase

Title: AZABENZIMIDAZOLONES

Priority: US20080105912P 20081016 US20090062794 20091014 US20090180448P 20090522 WO2009US60574 20091014

Family:

Publication number	Publication date	Application number	Application date
US2011190336 AA	20110804	US20090062794	20091014
WO10045276 A2	20100422	WO2009US60574	20091014
WO10045276 A3	20100819	WO2009US60574	20091014

Probable Assignee: CARA THERAPEUTICS INC

Assignee(s):(std)**:** CARA THERAPEUTICS INC ; LUO ROBERT ZHIYONG ; ZABLOCKI MARY MARGARET

Inventor(s):(std)**:** LUO ROBERT ZHIYONG ; ZABLOCKI MARY MARGARET

Agent(s): ANILIONIS ALGIS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A61K31/4162 A61K31/437 A61P25/00 A61P27/14 A61P29/00 A61P37/08 C07D401/04 C07D403/04 C07D471/04 C07D487/04 (Advanced/Invention); A61K31/4162 A61P27/00 A61P37/00 C07D401/00 C07D403/00 C07D487/00 (Core/Invention)

CPC: C07D471/04 C07D487/04

European class: C07D471/04 C07D487/04

US class: 514/303 546/118 546/118S

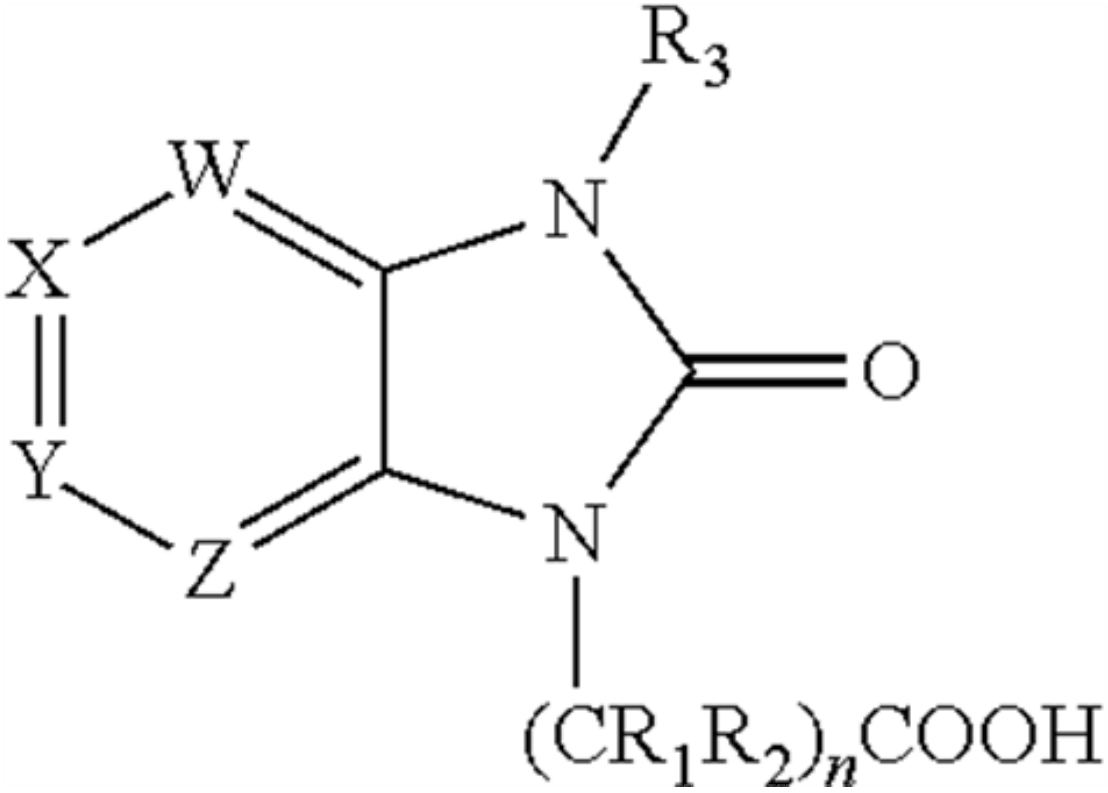
Classification Explorer

Cited documents: WO06108103 A1, WO05051324 A2, WO05021544 A2, WO0105770 A1, WO0100615 A1,

Forward Citations: JP6154397, JP2015504863,

Abstract:
Source: US2011190336A Compounds are provided having the general structure of formula I:

In formula I,



one member of the group (W, X, Y and Z) is a nitrogen atom and the remaining three members of the group are each independently a carbon atom covalently bonded to a radical, R_4. The radicals, R_1, R_2, R_3 and R_4 are each defined herein, and n is an integer from 1 to 4. Also provided are stereoisomers, prodrugs, pharmaceutically acceptable salts, hydrates, salt hydrates, acid salt hydrates, and polymorphs of the compounds having the structure of formula I. The compounds bind the prostaglandin D2 receptor and are useful in the prophylaxis and treatment of prostaglandin D2−mediated diseases and conditions, including pain and inflammation, as well as asthma and allergic diseases and conditions.

0) US6338535B – PILL ORGANIZER

121) Family number: 16046236 (US6338535B) © PatBase

Title:	PILL ORGANIZER
Priority:	US19990466457 19991217

Family:

Publication number	Publication date	Application number	Application date
US6338535 BA	20020115	US19990466457	19991217

Probable Assignee:	RICKERT MARIE BARNA
Assignee(s):(std)**:**	RICKERT MARIE BARNA
Inventor(s):(std)**:**	RICKERT MARIE BARNA
International class (IPC 8–9)**:**	A61J7/00 (Advanced/Invention); A61J7/00 (Core/Invention)
International class (IPC 1–7)**:**	A47B88/00
CPC:	A61J7/0084 A61J1/03 A61J7/04
European class:	A61J7/00F1
US class:	312/234.1 312/244 312/245 312/311
Classification Explorer	
Cited documents:	US927625 A, US68073 A, US5102209 A, US4634193 A, US4285558 A, US4231626 A, US3821538 A, US3301619 A, US2966387 A, US2966386 A, US2290307 A, US107753 A, US106240 A,
Forward Citations:	USD707441, USD636173, USD587005, USD551861, USD547052, USD546062, USD531406, USD511619, USD509055, USD501309, USD501308, USD501307, USD501306, USD501305, USD501304, USD501303, US9173790, US8322528, US7440817, US7337899, US6860390, US2014145568, US2010012547, US2009026106, US2007135790, US2007093935, US2007051657, US2006022806, US2005150809, US2004189158, US2004188290, US2003069757, CN105147518,

Abstract:
Source: US6338535B An apparatus is provided having, a set of small drawers that hold a specific type of medication and can be pulled and the contents emptied when needed. Medications are placed within the drawers and labeled. When it is time to ingest the medication, one simply pulls out a drawer and takes out its content. The present embodiment provides as step–like arrangement and hold multiples of 7 days of medication. The device can have holes on the back for hanging or magnets for securing to a metallic surface. Additionally, a smaller unit can be made transportable with the addition of a carrying strap.

0) US2004064351A – INCREASED VISIBILITY DURING ORDER MANAGEMENT IN...

122) Family number: 30427257 (US2004064351A) © PatBase

Title: INCREASED VISIBILITY DURING ORDER MANAGEMENT IN A NETWORK–BASED SUPPLY CHAIN ENVIRONMENT

Priority: US19990444650 19991122 US19990444748 19991122 US19990444887 19991122 US20030407895 20030404 US19990447622 19991122 US19990447662 19991123 US20120525910 20120618 US20140175841 20140207 US19990447887 19991124 US20150731719 20150605

Family:

Publication number	Publication date	Application number	Application date
US2004064351 AA	20040401	US20030407895	20030404
US2012259722 AA	20121011	US20120525910	20120618
US2014222610 AA	20140807	US20140175841	20140207
US2015269617 AA	20150924	US20150731719	20150605
US8271336 BB	20120918	US20030407895	20030404
US8732023 BB	20140520	US20120525910	20120618

Probable Assignee: ACCENTURE GLOBAL SERVICES LTD

Assignee(s):(std)**:** ACCENTURE GLOBAL SERVICES GMBH ; ACCENTURE GLOBAL SERVICES LTD ; MIKURAK MICHAEL G

Inventor(s):(std)**:** MIKURAK MICHAEL G

Agent(s): FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

International class (IPC 8–9)**:** G06F17/30 G06G1/14 G06Q10/00 G06Q10/08 G06Q20/00 G06Q20/20 G06Q30/02 G06Q30/06 G06Q50/12 G07G1/00 (Advanced/Invention); F02M25/07 G06F17/00 (Advanced/Non–invention); G06Q10/00 (Core/Invention); F02M25/07 (Core/Non–invention)

International class (IPC 1–7)**:** G06F17/60

CPC: G06Q20/203 G06Q30/0256 G06Q30/0261 G06Q30/0269 G06Q50/12 G06Q10/087 G06Q30/0633

European class: G06F17/60C4 G06Q10/087 G06Q10/08E G06Q20/203

US class: 705/10 705/14.54 705/22 705/22P 705/26 705/26.1 705/26.41 705/26.5 705/26.62 705/7 705/7.29 705/7P

Classification Explorer

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Abstract:
Source: US2004064351A A system, method and article of manufacture are provided for a first business entity to provide a network−based supply chain framework for collaborative order management between at least a second and a third independent business entity, such as a service provider, vendor, reseller, manufacturer and the like. A request for an order is received over a network with an automated system, from at least a second business entity. The order is transmited over a network, with an automated system, to at least the third business entity. Information is received from the third business entity relating to a status of completion of the order by the third business entity using a network. The progress in completing the order is tracked based on the information received from the third business entity. Progress reports from the tracking are generated periodicly; and transmitted to the second business entity using the network.

0) US2009075973A – BENZO–FUSED HETEROCYCLES

123) Family number: 43035952 (US2009075973A) © PatBase

Title: BENZO–FUSED HETEROCYCLES

Priority: US20070993872P 20070914 US20080207601 20080910

Family:

Publication number	Publication date	Application number	Application date
US2009075973 AA	20090319	US20080207601	20080910
US7960376 BB	20110614	US20080207601	20080910
WO09035997 A2	20090319	WO2008US75764	20080910
WO09035997 A3	20090514	WO2008US75764	20080910

Probable Assignee: CARA THERAPEUTICS INC

Assignee(s):(std)**:** CARA THERAPEUTICS INC ; GAUSS CARLA M ; GUSTAFSON GARY R ; NEWCOM JASON S

Inventor(s):(std)**:** GAUSS CARLA M ; GUSTAFSON GARY R ; NEWCOM JASON S

Agent(s): CARA THERAPEUTICS INC INTELLECTUAL PROPERTY DEPARTMENT; ALGIS; ANILIONIS ALGIS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A61K31/33 A61K31/335 A61K31/36 A61K31/536 A61K31/5415 A61K31/554 A61P43/00 C07D265/36 C07D279/16 C07D281/10 C07D411/02 C07D417/02 (Advanced/Invention); A61K31/33 A61K31/335 A61K31/357 A61K31/536 A61K31/5415 A61K31/554 A61P43/00 C07D265/00 C07D279/00 C07D281/00 C07D411/00 C07D417/00 (Core/Invention)

CPC: C07D265/36 C07D279/16 C07D281/10 C07D417/04 C07D417/14

European class: C07D265/36 C07D279/16 C07D281/10 C07D417/04 C07D417/14

US class: 514/211.09 514/211.090P 514/224.2 514/224.200S 514/227.8 514/228.2 514/230.5 514/230.500S 540/552 540/552S 544/105 544/105S 544/51 544/52 544/52S

Classification Explorer

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Forward Citations: WO13076590, WO12130306, WO12064744, WO11057892, US9663502, US9657033, US9512111, US9394315, US7960376, JP6063870, JP2013541597,

Abstract:
Source: US2009075973A The present invention provides benzo–fused heterocyclic compounds having the structure of formula I, as well as prodrugs, stereoisomers, racemates, salts, hydrates, solvates, acid salt hydrates and isomorphic crystalline forms thereof. The compounds directly or indirectly modulate the activity of one or more cannabinoid receptors and can be incorporated into pharmaceutical preparations that are useful for the prevention and treatment of a variety of diseases and conditions, including pain, inflammation and pruritis.

0) US2011231942A – TIKI1 AND TIKI2, WNT INHIBITORS

124) Family number: 49614089 (US2011231942A) © PatBase

Title: TIKI1 AND TIKI2, WNT INHIBITORS

Priority: US20100314885P 20100317 US20100363025P 20100709 US20110049436 20110316 US20120715443 20121214

Family:

Publication number	Publication date	Application number	Application date
US2011231942 AA	20110922	US20110049436	20110316
US2013101582 AA	20130425	US20120715443	20121214

Probable Assignee: CHILDREN S MEDICAL CENTER CORP

Assignee(s):(std)**:** CHILDRENS MEDICAL CENTER ; HE XI ; MACDONALD BRYAN ; YOKOTA CHIKA ; ZHANG XINJUN

Assignee(s): CHILDREN S HOSPITAL BOSTON ; CHILDREN S MEDICAL CENTER CORP

Inventor(s):(std)**:** HE XI ; MACDONALD BRYAN ; YOKOTA CHIKA ; ZHANG XINJUN

International class(IPC 8–9)**:** A01K67/00 A61K31/7088 A61K31/713 A61K38/17 A61K39/395 A61P19/10 A61P35/00 C07H21/00 C07K14/435 C07K16/00 C12N1/00 C12N15/63 C12N5/10 C12Q1/02 (Advanced/Invention)

CPC: A61K39/395 A01K67/0276 A01K2217/05 A01K2217/075 A01K2227/105 A01K2267/035 A61K31/7088 A61K31/713 A61K38/00 C07K14/705 G01N33/5008 G01N2333/705

European class: A01K67/027M2 A61K31/7088 A61K31/713 C07K14/705 G01N33/50D2 K01K217/05 K01K217/07B K01K227/10M K01K267/03K K61K38/00 S01N333/705

US class: 424/133.1 424/172.1 435/243 435/243S 435/29 435/29S 435/320.1 435/320.100S 435/325 435/325S 514/19.3 514/19.300S 514/21.2 514/21.200S 514/44.00AS 514/44.00RS 514/44A 514/44R 530/350 530/350S 530/387.9 530/387.900S 536/23.5 536/23.500S 800/13 800/13P

Classification Explorer

Cited documents: US2004198651 AA,

Forward Citations: WO13155447, US9534059, EP2836514,

Abstract:
Source: US2011231942A This invention relates to Tiki1 and Tiki2 proteins and nucleic acids, cells expressing the same, and methods for identifying compounds that modulate Tiki1/2 activity for use in the treatment of osteoporosis or cellular proliferative disorders.

0) US2014061273A – ESCAPE AND SURVIVAL SYSTEM

125) Family number: 55899992 (US2014061273A) © PatBase

Title: ESCAPE AND SURVIVAL SYSTEM

Priority: US20120693968P 20120828 US20130790904 20130308

Family:

Publication number	Publication date	Application number	Application date
US2014061273 AA	20140306	US20130790904	20130308

Probable Assignee: MILSPRAY LLC

Assignee(s):(std)**:** BULLIVANT TODD ; DESERIO ELIZABETH ; HAYFORD III JACK ; JOHNSTON MATTHEW L ; SCARPULLA BRIAN ; MILSPRAY LLC

Inventor(s):(std)**:** BULLIVANT TODD ; DESERIO ELIZABETH ; HAYFORD III JACK ; JOHNSTON MATTHEW L ; SCARPULLA BRIAN

International class (IPC 8–9)**:** A45F3/04 (Advanced/Invention)

CPC: A45F3/04 A45F3/06 A45F2003/003

US class: 224/576

Classification Explorer

Cited documents: US6161738 A, US5701067 A, US5179281 A, US2008023513 AA, US2008011799 AA, US2007170219 AA, US2006191049 AA, US2005140331 AA,

Forward Citations: WO17072582, WO15164184, USD752856, US9700089, US9629442, US9479212, US9155375, US2016375946, US2016338475, US2015366333, US2015060502, US2014137441,

Abstract:
Source: US2014061273A A portable, stylish, comprehensively stocked emergency escape and survival package gives the user ability to successfully confront diverse emergency and disaster conditions most likely encountered in the urban or suburban environment. The package is a system of a backpack carrying case and numerous components stored within the case. Each component is a tool, supply or other article selected for use in a particular aspect of an emergency or survival situation. Additionally, the package includes separate stowage capacity for routine business tools, such as files, computer, calculator and the like. Components of the system include, among others, a radiation sensor, a ballistic resistant panel, solar charging station for an included rechargeable battery, and cables and adapters for supplying power to diverse portable electronic devices.

0) AU2015246079A – A PORTABLE FLUID DISPENSING UNIT

126) Family number: 62242497 (AU2015246079A) © PatBase

Title: A portable fluid dispensing unit

Priority: AU20140904188 20141020 AU20150246079 20151020

Family:

Publication number	Publication date	Application number	Application date
AU2015246079 AA	20160505	AU20150246079	20151020

Probable Assignee: PRODUCTS AND THINGS PTY LTD

Assignee(s):(std)**:** PRODUCTS AND THINGS PTY LTD

Inventor(s):(std)**:** ROBINSON NICHOLAS WILLIAM ; ROSEBY NICHOLAS JOHN

Agent(s): SPRUSON AND FERGUSON

International class (IPC 8–9): A47K4/00 B67D1/00 B67D7/02 E03B9/20 (Advanced/Invention)

Classification Explorer

Abstract:
Source: AU2015246079A A PORTABLE FLUID DISPENSING UNIT A portable fluid dispensing unit (1) for dispensing fluid, the unit (1) comprising: a body (3) having a fluid supply inlet (5) and a fluid supply outlet (7), the fluid supply inlet (5) receiving the flow of fluid from a fluid supply (9); a fluid supply conduit (11) connecting the fluid supply inlet (5) and the fluid supply outlet (7) to allow fluid to flow therebetween; a fluid dispensing fixture (13) configured to dispense fluid; and a fluid supply branch (15) providing a connection between the fluid supply conduit (11) and the fluid dispensing fixture (13), wherein the fluid supply outlet (7) is configured to connect to the fluid supply inlet (5) of a further unit (1) for supplying fluid thereto, and wherein a series of adjacent units (1) form a portable fluid dispensing system (67). 21o9 42–

0) US2002064095A – METHOD AND APPARATUS FOR CLINICAL TRIALS

127) Family number: 28192974 (US2002064095A) © PatBase

Title: METHOD AND APPARATUS FOR CLINICAL TRIALS

Priority: US19990359322 19990723 US20010024477 20011221 WO2000CA00847 20000721 WO2002CA01986 20021223 WO2000CA00847 20020123

Family:

Publication number	Publication date	Application number	Application date
AT384513 E	20080215	AT20000949028T	20000721
AU200062564 A5	20010213	AU20000062564	20000721
AU2002351605 AA	20030715	AU20020351605	20021223
AU2002351605 BB	20090129	AU20020351605	20021223
AU783204 B2	20051006	AU20000062564	20000721
CA2378568 AA	20020123	CA20002378568	20000721
CA2378568 C	20100921	CA20002378568	20000721
CA2470133 AA	20040610	CA20022470133	20021223
CA2470133 C	20130521	CA20022470133	20021223
DE60037895 D1	20080313	DE20006037895	20000721
DE60037895 T2	20090115	DE20006037895T	20000721
EP1210052 A2	20020605	EP20000949028	20000721
EP1210052 B1	20080123	EP20000949028	20000721
EP1535231 A2	20050601	EP20020787278	20021223
ES2301487 T3	20080701	ES20000949028T	20000721
GB200204236 A0	20020410	GB20020004236	20000721
GB200415793 A0	20040818	GB20040015793	20021223
GB2369898 A1	20020612	GB20020004236	20000721
GB2369898 B2	20040211	GB20020004236	20000721
GB2400219 A1	20041006	GB20040015793	20021223
JP2003505172 T2	20030212	JP20010513119T	20000721
JP2005513677 T2	20050512	JP20030556934T	20021223
JP4382488 B2	20091216	JP20030556934T	20021223
JP4641694 B2	20110302	JP20010513119T	20000721
KR100808693 B1	20080229	KR20027000996	20000721
KR101068338 B1	20110928	KR20047009486	20021223
KR20020035110 A	20020509	KR20027000996	20020123
KR20020035110 A	20020509	KR20027000996	20000721
KR20040066920 A	20040727	KR20047009486	20021223
NZ517376 A	20040528	NZ20000517376	20000721
NZ534236 A	20070531	NZ20020534236	20021223
US2002064095 AA	20020530	US20010024477	20011221
US6335907 BA	20020101	US19990359322	19990723
US6687190 BB	20040203	US20010024477	20011221
WO0108106 A2	20010201	WO2000CA00847	20000721
WO0108106 A3	20010809	WO2000CA00847	20000721
WO03056491 A2	20030710	WO2002CA01986	20021223
WO03056491 C1	20040527	WO2002CA01986	20021223

Probable Assignee: MICHAEL E

Assignee(s):(std)**:** INFUSO MICHAEL ; INFUSO MICHAEL E ; MICHAEL E ; MOMICH ROBERT ; MICHAEL E INFUSO ; ROBERT MOMICH ; MICHAEL INFUSO

Inventor(s):(std): INFUSO MICHAEL ; INFUSO MICHAEL E ; MOMICH ROBERT

Inventor(s): ROBERT MOMICH ; MICHAEL E INFUSO ; MICHAEL INFUSO

Agent(s): PATENT ATTORNEY SERVICES; HILL AND SCHUMACHER; LANGLEY PETER JAMES; WATANABE TOSHIAKI; SEKIYA MITSUO; OSHIO TAKESHI; HIRAKI YUSUKE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61G12/00 A61J7/04 G04B47/00 G06F19/00 G06K17/00 G06K19/07 G06Q10/00 G06Q10/10 G06Q50/00 G06Q50/22 G07C1/00 (Advanced/Invention);
A61G12/00 A61G99/00 G04B47/00 G06F19/00 G06K17/00 G06K19/07 G06Q50/00 (Advanced/Non–invention);
A61G12/00 A61J7/00 G06F19/00 G06K17/00 G06K19/07 G06Q10/00 (Core/Invention);
A61G99/00 (Core/Non–invention)

International class (IPC 1–7): A61B5/00 A61G12/00 A61J1/00 A61J7/04 B65G59/00 G04B47/00 G04C21/00 G04C23/00 G06F17/60 G06F19/00 G06K17/00 G06K19/07 G07C1/00 G07F11/00

CPC: A61J2205/10 A61J2205/20 A61J2205/30 A61J2205/40 A61J2205/60 A61J2205/70 A61J2200/30 A61J7/0481 G06F19/3462 G06F19/3487 G06F19/363 G06Q10/109 A61J7/0418 A61J7/0454 A61J7/0427 G06Q50/22 G04B47/00

European class: A61J7/04B3 G06F19/34L1 G06F19/36A G06Q10/109 K61J7/04B3A2 S06F19/34P S06F19/36A

US class: 221/1 221/15 221/2 340/309.4 368/10 368/10P 600/300

Classification Explorer

Cited documents: WO9917218 A1, WO0108106 A2, WO0004509, US6294999 BA, US6148815 A, US6102855 A, US6075755 A, US6018289 A, US5963136 A, US5852590 A, US5812064 A, US5805051 A, US5802015 A, US5691932 A, US5672154 A, US5642731 A, US5495961 A, US5181189 A, US5099463 A, US4970669 A, US4831562 A, US4725997 A, US4695954 A, US4695954, US4682299 A, US4617557 A, US4616316 A, US4504153 A, US2004695954, KR20010106730 A, JP11154185, JP1047079 A2,

Forward Citations: WO11154276, WO11041312, WO11041312, WO08079360, WO08079360, WO08016319, WO07070902, WO07019272, WO05051285, WO05006830, WO05006830, WO04049217, WO03073977, WO03003970, WO02095675, WO02091086, WO02081015, WO02078593, WO0193801, US9728069, US9607261, US9589104, US9450763, US9443276, US9436803, US9429585, US9387148, US9177307, US9129215, US9081948, US9038154, US9013312, US8977844, US8967140, US8957778, US8832453, US8813243, US8806219, US8793145, US8787566, US8762350, US8744619, US8727180, US8707024, US8693690, US8655796, US8645424, US8639940, US8606595, US8589695, US8556728, US8543968, US8537004, US8533029, US8533008, US8519846, US8502681, US8500031, US8497775, US8495380, US8433605, US8412927, US8380531, US8364952, US8356342, US8353752, US8332637, US8322528, US8273019, US8262394, US8180741, US8160901, US8145519, US8112175, US8099765, US8098829, US8094521, US8092224, US8074265, US8065180, US8033424, US8019471, US7996105, US7992203, US7982619, US7978564, US7949426, US7944342, US7936275, US7933682, US7917246, US7909207, US7908030, US7885825, US7873589, US7860603, US7844362, US7844361, US7835817, US7835230, US7828147, US7822209, US7821404, US7774097, US7726485, US7639120, US7616122, US7588186, US7562445, US7559483, US7535356, US7504954, US7502666, US7495546, US7482936, US7471993, US7469820, US7454267, US7451760, US7444203, US7440817, US7348888, US7330101, US7323998, US7299981, US7295890, US7295889, US7287687, US7283054, US7256696, US7242318, US7236428, US7170823, US7168626, US7072738, US7066215, US7054231, US7042357, US7027870, US6985869, US6973371, US6879970, US6796267, US6761318, US6717598, US6667936, US6633796, US6560165, US6539281, US2016207754, US2016194192, US2015041532, US2014340999, US2014114472, US2013006660, US2012259647, US2012160716, US2011206378, US2011193705, US2011082827, US2010324728, US2010284251, US2010109877, US2010095522, US2010089791, US2010089789, US2010049672, US2010045466, US2010022847, US2010012733, US2010004782, US2009313048, US2009144089, US2009134181, US2009131758, US2009115598, US2009065522, US2009048712, US2009026106, US2009010106, US2008304365, US2008246597, US2008229401, US2008215289, US2008209225, US2008189543, US2008173711, US2008142534, US2008142533, US2008140252, US2008140251, US2008136629, US2008133514, US2008114490, US2008071575, US2008069341, US2008069338, US2008065418, US2008059793, US2008059790,

US2008059228, US2008056496, US2008052259, US2008051935, US2008042854, US2008031838, US2008029532, US2008029531, US2008027291, US2008022122, US2008022121, US2008022086, US2008007411, US2008005339, US2007288747, US2007277032, US2007246396, US2007187422, US2007187281, US2007156459, US2007125868, US2007124346, US2007120687, US2007093935, US2007023513, US2007016443, US2007015552, US2007011870, US2006285441, US2006280035, US2006266763, US2006249525, US2006234793, US2006218011, US2006210626, US2006092028, US2006089853, US2006079996, US2005256830, US2005248458, US2005166436, US2005150897, US2005146435, US2005131397, US2005117455, US2005107899, US2005087473, US2005048461, US2005041531, US2004257229, US2004215369, US2004189470, US2004183675, US2004164146, US2004133305, US2004107120, US2004099726, US2004048775, US2003234258, US2003086338, US2003006209, US2002169488, US2002143577, US2002143563, US2002091596, US2002087362, US2001028308, NL2012860, JP2014528736, JP2009503672, JP2009290106, JP2007534379, JP2007225615, JP2003099534, ES2404138, EP2012323, EP2012323, EP1964030, EP1535231, EP1495746, EP1495746, EP1382183, EP1363579, EP1349099, EP1257913, EP1257913, DE10253728, DE102011076729, DE102009034745, DE10051575, AU2009238236, AU2008200356, AU2002351605,

Abstract:
Source: US2002064095A A method for conducting clinical trials for a medication uses a unique identifier, a clock and an smart memory associated with the medication. Information regarding a method of calculating a next take time is received. It is determined if an identifier field on the smart memory is empty and, if empty, the unique identifier is written onto the smart memory. If not empty, it is determined if the identifier in the identifier field is not the unique identifier and if not then exiting. On the other hand, if the unique identifier is present in the identifier field, then calculating the next take time; storing a next take time; and prompting at the next take time. The time on the clock is stored as a take time. In addition, a subject diary form is displayed and subject information in regard to subject diary form is stored.

0) US2003117728A – INTERIOR REARVIEW MIRROR SYSTEM INCLUDING A PEN...

128) Family number: 33540351 (US2003117728A) © PatBase

Title: INTERIOR REARVIEW MIRROR SYSTEM INCLUDING A PENDENT ACCESSORY

Priority: US19990449121 19991124 US20000585379 20000601 US20020307929 20021202

Family:

Publication number	Publication date	Application number	Application date
AT330818 E	20060715	AT20000650113T	20000824
DE60028907 D1	20060803	DE20006028907	20000824
DE60028907 T2	20070215	DE20006028907T	20000824
EP1103420 A2	20010530	EP20000650113	20000824
EP1103420 A3	20040721	EP20000650113	20000824
EP1103420 B1	20060621	EP20000650113	20000824
US2003117728 AA	20030626	US20020307929	20021202
US6902284 BB	20050607	US20020307929	20021202

Probable Assignee: DONNELLY CORP

Assignee(s):(std)**:** DONNELLY CORP ; DONNELLY CORP A CORP OF ST ; DONNELLY CORP STATE MICHIGAN

Assignee(s): DONNELLY A OF STATE CORP ; DONNELLY A OF STATE OF CORP ; DONNELLY A OF STATE OF MICHIGAN CORP

Inventor(s):(std)**:** DEWIND DARRYL P ; HUTZEL BARRY R ; HUTZEL BARRY W ; LINDAHL JOHN O ; LYNAM NIALL R

Agent(s): VAN DYKE GARDNER LINN AND BURKHART LLP

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

International class (IPC 8–9): B60Q3/02 B60R1/12 B60R11/02 G06Q20/00 (Advanced/Invention); B60R11/00 (Advanced/Non–invention)

International class (IPC 1–7): B60Q1/26 B60R1/04 B60R1/12 G02B5/08 G02B7/182

CPC: B60Q3/258 B60Q3/59 B60R11/0247 B60R1/008 B60R1/12 B60R1/1207 B60R11/0217 B60R11/0241 B60R2001/1292 B60R2011/0026 B60R2011/0033 B60R2300/8013

European class: B60Q3/02B12 B60Q3/02G B60R1/00L B60R1/12 B60R11/02D B60R11/02H L60R1/12A L60R1/12M L60R11/00P1K L60R11/00P1P L60R11/02G L60R300/80C1

US class: 248/479 248/481 248/484 359/265 359/604 359/838 359/838P 359/85 359/850 359/850S 359/865 359/871 359/871S 359/872 362/140 362/190 362/494 362/494S

Classification Explorer

Cited documents: WO8202448 A1, USD402950 S1, USD400481 S1, USD390524 S1, USD351370 S1, USD325554 S1, USD304920 S1, USD299491 S1, USD289989 S1, US6428172 BA, US6183119 BA, US6170956 BA, US6170956 B1, US6124886 A, US6042253 A, US6026162 A, US6000823 A, US5943149 A, US5940503 A, US5938321 A, US5878353 A, US5820245 A, US5820097 A, US5813745 A, US5812321 A, US5762246 A, US5748395 A, US5719714 A, US5708410 A, US5691848 A, US5673994 A, US5671996 A, US5669698 A, US5649756 A, US5615857 A, US5576687 A, US5572354 A, US5566224 A, US5530240 A, US5490708 A, US5487522 A, US5479155 A, US5432496 A, US5330149 A, US5321556 A, US5285060 A, US5195668 A, US5178448 A, US5165081 A, US5151828 A, US5140455 A, US5110078 A, US5100095 A, US5059015 A, US4974129 A, US4936533 A, US4930742 A, US4917485 A, US4902118 A, US4807096 A, US4781436 A, US4768870 A, US4733336 A, US4712879 A, US4702572 A, US4695138 A, US4646210 A, US4624499 A, US4593878 A, US4524941 A, US4518192 A, US4486075 A, US4447808 A, US4443831 A, US4443057 A, US4436371 A, US4435042 A, US4394065 A, US4254931 A, US4247850 A, US4068930 A, US4019812 A, US4000404 A, US3983602 A, US3926470 A, US3827152 A, US3667833 A, US3588233 A, US3543018 A, US3494689 A, US3228640 A, US3131251 A, US3099797 A, US2802394 A, US2649028 A, US2609578 A, US2140069 A, US1969415 A, US1909362 A, JP9039660, JP58180347 A2, JP3231044 A2, GB2332185 A1, GB2297632 A1, GB2210836 A1, GB2192370 A1, GB2004418 A1, FR1571768 A,

FR1021987 A, EP0890479 A1, EP0381016 A1, DE941408 A, DE3614882 A1, DE3605704 A1, DE29507372 U1, DE2332885 A1,

Forward Citations: WO15020925, WO15020925, WO11042850, WO07133716, WO07024566, WO07002730, WO07002730, WO05090124, WO04014696, USD783480, USD783479, USD763151, USD761708, USD761174, USD761171, USD761170, USD761169, USD761168, USD758936, USD755689, USD755098, USD755097, USD749162, USD747380, USD746744, USD746198, USD746195, USD731376, USD730792, USD730256, USD730255, USD729715, USD729714, USD729713, USD618147, USD516443, US9713986, US9694753, US9694752, US9694751, US9694749, US9665961, US9658334, US9637055, US9632590, US9616808, US9575315, US9556812, US9545883, US9505350, US9505349, US9488982, US9487144, US9481306, US9481303, US9469252, US9446714, US9421911, US9376061, US9352691, US9352623, US9346403, US9341914, US9333916, US9333909, US9317742, US9315152, US9315151, US9302624, US9290970, US9278654, US9221399, US9199537, US9194943, US9187028, US9167732, US9162624, US9126525, US9114745, US9090212, US9090211, US9073491, US9045091, US9035754, US9031624, US9019091, US9019090, US9014966, US9013288, US8976439, US8922867, US8908039, US8904308, US8891784, US8890955, US8886454, US8884788, US8842176, US8833987, US8814116, US8801245, US8797627, US8779937, US8779910, US8730553, US8727547, US8705161, US8686840, US8676491, US8654433, US8653959, US8610992, US8608327, US8607430, US8604937, US8577549, US8571752, US8559093, US8543330, US8543289, US8525703, US8525697, US8511841, US8508383, US8506096, US8503062, US8494447, US8466780, US8466779, US8465163, US8465162, US8463494, US8462204, US8447174, US8434812, US8427288, US8400704, US8379289, US8376595, US8368549, US8362885, US8355839, US8335032, US8330595, US8325028, US8309907, US8305235, US8304711, US8294975, US8288711, US8282253, US8282226, US8277059, US8271187, US8267559, US8242896, US8228588, US8194133, US8179586, US8179236, US8177376, US8170748, US8164817, US8164482, US8162493, US8154418, US8134117, US8121787, US8113671, US8106347, US8100568, US8095310, US8095260, US8094002, US8083386, US8072318, US8063753, US8058977, US8047667, US8044777, US8044776, US8019505, US8000894, US7994471, US7970126, US7954894, US7937667, US7926960, US7918570, US7916009, US7914188, US7909397, US7906756, US7898719, US7898398, US7888629, US7880596, US7873593, US7871169, US7864399, US7859737, US7855755, US7832882, US7826123, US7822543, US7821697, US7815326, US7791586, US7780231, US7777611, US7771061, US7760111, US7734392, US7731403, US7728721, US7714888, US7711479, US7679578, US7679488, US7667579, US7646360, US7643200, US7619508, US7599108, US7589883, US7586666, US7583184, US7581859, US7579940, US7579939, US7573428, US7572017, US7571042, US7571041, US7543947, US7526367, US7494231, US7492281, US7490007, US7474963, US7463281, US7370983, US7316485, US7310178, US7308341, US7302326, US7300189, US7293888, US7233230, US7209278, US7175291, US7112139, US7110156, US7110156, US7109853, US7012727, US6971775, US6970073, US6746140, US6482740, US2016238707, US2016205477, US2016129841, US2016071527, US2016053699, US2016023607, US2016009226, US2015370253, US2015334354, US2015077561, US2015060617, US2015045097, US2015022914, US2015021114, US2014192430, US2014070068, US2013151144, US2013107563, US2012140080, US2012028580, US2011202862, US2011140917, US2010286904, US2010280746, US2010272300, US2010161519, US2010067884, US2010014177, US2009284391, US2009240397, US2009183070, US2009153359, US2009096870, US2009005136, US2008215240, US2008186701, US2008122591, US2008116747, US2008106389, US2008080076, US2008077882, US2007188844, US2007153085, US2007147660, US2007108788, US2007103457, US2007093949, US2007058257, US2007047115, US2007024512, US2006291224, US2006197829, US2006187667, US2006181893, US2006164230, US2006155444, US2006082315, US2006002123, US2005236995, US2005200697, US2005187675, US2005174622, US2005131595, US2005128294, US2005030379, US2004267419, US2004227696, US2004196661, US2004057131, US2003114214, KR100944558, GB2432818, GB2432818, GB2368328, GB2368328, EP3030461, EP2752335, EP2701269, EP1777108, EP1507681, DE102015213210, DE102014007436, DE102009048158, CN103909866, CN102460234, CN102460234, CN102328620, CN102328620,

Abstract:
Source: US2003117728A An interior rearview mirror assembly for a vehicle includes a casing with a reflective element and a storage space. The storage space provides storage for at least one accessory and for storing the accessory in the location easily accessible by an occupant of the vehicle whereby the accessory can be inserted into and removed from the storage space for use by an occupant of the vehicle. The storage space may take the form of a recess provided in a top wall of the casing, a recessed portion provided in a front wall, back wall, or end wall of the casing. In one form, the recessed portion houses a pendent accessory which is dockable in and removable from the storage space for use by an occupant of the vehicle. For example, the pendent accessory

may comprise a light assembly which is useable as a flashlight independently of the interior rearview mirror assembly or useable as a map light when docked in the mirror assembly. The storage space may also be used to hold workpieces or the like.

0) US2006139150A – MEDICATION COMPLIANCE DEVICE

129) Family number: 41982463 (US2006139150A) © PatBase

Title: MEDICATION COMPLIANCE DEVICE

Priority: US20030447470P 20030214 US20040545382 20040216 US20040644802 20040216 WO2004US04358 20040216 US20060644802 20061222 US20060545382 20060123

Family:

Publication number	Publication date	Application number	Application date
AP200503371 A0	20050930	AP20050003371	20040216
CA2515049 AA	20050729	CA20042515049	20040216
EP1593106 A2	20051109	EP20040711533	20040216
KR20050105219 A	20051103	KR20057015054	20040216
US2006139150 AA	20060629	US20040545382	20040216
US2007194890 AA	20070823	US20040644802	20040216
US7158011 BB	20070102	US20040545382	20040216
US7545257 BB	20090609	US20040644802	20040216
WO04073498 A2	20040902	WO2004US04358	20040216
WO04073498 A3	20041202	WO2004US04358	20040216

Probable Assignee: BRUE VESTA L

Assignee(s):(std)**:** BRUE VESTA ; BRUE VESTA L

Inventor(s):(std)**:** BRUE VESTA L

Inventor(s): BRUE VESTA

Agent(s): KIRBY EADES GALE BAKER; EUGENIA S HANSEN; EUGENIA S HANSEN HEMINGWAY AND HANSEN LLP; EUGENIA S; HEMINGWAY AND HANSEN LLP; HEMINGWAY AND HANSEN; HANSEN EUGENIA S

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61B5/00 A61J7/04 G04B23/02 G04B47/00 G08B1/00 G08B23/00 (Advanced/Invention); A61B5/00 (Advanced/Non–invention); A61B (Subclass/Invention)

International class (IPC 1–7): A61B5/00 G04B23/02 G04B47/00 G08B1/00 G08B23/00

CPC: A61J7/0481 G06F19/3462 G06Q50/24 A61J7/0418 A61J7/0454 A61B5/00

European class: A61J7/04B3 G06F19/34L1 G06Q50/24 K61J7/04B1B K61J7/04B1G

US class: 340/309.16 340/309.160P 340/531 340/573.1 368/10 368/10S 368/244 368/244S 600/300 705/3

Classification Explorer

Cited documents: WO0217850 A1, USD420446 S1, US6641533 BB, US6601729 BA, US6594549 BB, US6594549 BA, US6529446 BA, US6524240 BA, US6462508 BA, US6439422 BA, US6424599 BA, US6259654 BA, US6198383 BA, US6102855 A, US6085752 A, US5963136 A, US5954641 A, US5850937 A, US5827180 A, US5755218 A, US5752235 A, US5751661 A, US5642731 A, US5408443 A, US5313439 A, US5200891 A, US5170380 A, US4911327 A, US4768177 A, US4768176 A, US4695954 A, US4617557 A, US4572403 A, GB2344194 A1, CA2251234 AA, CA2212086 AA,

Forward Citations: WO16189497, WO14015293, WO11133628, WO11054000, WO10141957, WO10141957, WO10110682, WO09043893, USD609592, USD606425, USD552739, US9724471, US9687419, US9607261, US9588496, US9579263, US9558596, US9555191, US9545297, US9542826, US9522235, US9517307, US9489640, US9474869, US9393180, US9352091, US9327077, US9278182, US9278177, US9268913, US9259539, US9238108, US9173999, US9149579, US9125797, US9084849,

US9072654, US9056170, US9046403, US9022980, US9022022, US9013312, US9007875, US9005098, US8963707, US8939943, US8932252, US8926594, US8920377, US8920367, US8899987, US8754769, US8752728, US8727180, US8717851, US8690827, US8627816, US8622973, US8608698, US8581709, US8544645, US8537004, US8536987, US8506524, US8502681, US8502671, US8425462, US8361029, US8361026, US8313466, US8231573, US8226610, US8218403, US8206360, US8202217, US8172082, US8149096, US8138939, US8123719, US8105281, US8081064, US8068934, US8068931, US8040236, US8021344, US8016788, US7982619, US7957984, US7947017, US7936275, US7928835, US7918823, US7877268, US7868741, US7749194, US7745717, US7731690, US7731686, US7648483, US7648482, US7616122, US7602275, US7482936, US7466230, US7416540, US7224777, US2016074284, US2015379310, US2015066429, US2014288967, US2014236352, US2014125466, US2013341343, US2013304255, US2013242707, US2013173305, US2013134180, US2013087469, US2013027206, US2012083666, US2012025981, US2011254656, US2011253586, US2011226817, US2011196300, US2011166698, US2011163843, US2011074576, US2011050409, US2010241075, US2010228566, US2010211005, US2010121276, US2010121275, US2010060464, US2010060435, US2010030374, US2009326445, US2009281657, US2009281393, US2009279392, US2009261011, US2009198784, US2009116342, US2009033472, US2008306436, US2008300719, US2008277307, US2008269689, US2008249468, US2008223198, US2008149659, US2008142472, US2008109510, US2008105588, US2008103490, US2008091762, US2008059133, US2008058719, US2008033393, US2007272583, US2007267431, US2007239114, US2007179815, US2007149925, US2007129708, US2007088268, US2007075842, US2006283876, US2006241355, ITVR20110084, GB2534308, GB2525467, GB2476159, FR2916190, CN103930839,

Abstract:
Source: US2006139150A A portable medication compliance device (10) having a body (12) and compartments (22) formed in the body. A microprocessor (120) is disposed in the body (12) and is coupled to each of the compartments (22). The microprocessor (120) is programmable to determine relative time intervals for dispensing medication from each of the compartments, to notify the user when a dose of medication is to be taken from each of the compartments, and to record the opening of each of the compartments in a memory. Programming buttons (24) are positioned proximate the body and are coupled to the microprocessor (120). The programming buttons (24) enable a user to program the microprocessor. The device may also be programmed via a remote computer through communication means (47 A). A display means (16) such as a Liquid Crystal Display (LCD) is positioned on the body and is coupled to the microprocessor (120). The LCD (16) displays data including the relative time intervals for dispensing medication determined by the microprocessor (120).

0) US2010243660A – BATHROOM ORGANIZER WITH DUAL PAPER TOILET STORA...

130) Family number: 46987900 (US2010243660A) © PatBase

Title: BATHROOM ORGANIZER WITH DUAL PAPER TOILET STORAGE HOLDER

Priority: US20090164398P 20090328 US20100748181 20100326

Family:

Publication number	Publication date	Application number	Application date
US2010243660 AA	20100930	US20100748181	20100326

Probable Assignee: MANASAS RODDY

Assignee(s):(std)**:** MANASAS RODDY

Inventor(s):(std)**:** MANASAS RODDY

Agent(s): THIEN TRAN ACCESS PATENT GROUP LLC

International class (IPC 8–9): B65D1/24 (Advanced/Invention); B65D1/22 (Core/Invention)

CPC: A47K5/00

European class: A47K5/00

US class: 220/555

Classification Explorer

Cited documents: USD309178 S1, USD277815 S1, USD250305 S1, US6920989 BB, US5971141 A, US5595303 A, US5427231 A, US5035321 A, US4944391 A, US4887713 A, US4307923 A, US4008933 A, US3429474 A, US2821321 A, US2539838 A, US2460488 A, US2009212674 AA, US2009173746 AA, US2007095769 AA, US2005109662 AA,

Forward Citations: US2015265019,

Abstract:
Source: US2010243660A A bathroom organizer with dual toilet paper storage holder includes a housing having a generally rectangular configuration with an open top and divided into two lid and lidless compartments, wherein the first compartment holds up to two rolls of toilet paper, while the second lidless compartment holds up to three bathroom products, such as anti–bacterial sprays, air fresheners and deodorizing wipes.

0) US2006202202A – PIXEL STRUCTURE, ACTIVE MATRIX SUBSTRATE, METHO...

131) Family number: 33340742 (US2006202202A) © PatBase

Title: PIXEL STRUCTURE, ACTIVE MATRIX SUBSTRATE, METHOD OF MANUFACTURING ACTIVE MATRIX SUBSTRATE, ELECTRO–OPTICAL DEVICE, AND ELECTRONIC APPARATUS

Priority: JP20050064988 20050309

Family:

Publication number	Publication date	Application number	Application date
CN100592516 C	20100224	CN200610058869	20060308
CN101770127 A	20100707	CN201010002104	20060308
CN101770127 B	20120516	CN201010002104	20060308
CN1832173 A	20060913	CN200610058869	20060308
DE602006002146 D1	20080925	DE200660002146T	20060308
EP1701206 A1	20060913	EP20060004715	20060308
EP1701206 B1	20080813	EP20060004715	20060308
JP2006251120 A2	20060921	JP20050064988	20050309
KR100772072 B1	20071031	KR20060019152	20060228
KR20060097596 A	20060914	KR20060019152	20060228
TW200636980 A	20061016	TW20060106123	20060223
TWI301322 B	20080921	TW20060106123	20060223
US2006202202 AA	20060914	US20060365891	20060228
US7567309 BB	20090728	US20060365891	20060228

Probable Assignee: SEIKO EPSON CORP

Assignee(s):(std)**:** SEIKO EPSON CORP

Inventor(s):(std)**:** DENDA ATSUSHI ; DENDA ATUSHI ; NODA YOICHI ; YOICHI DENDA ATSUSHI NODA ; YOICHI NODA ; ATSUSHI DENDA

Inventor(s): DENDA ATSUSHI NODA YOICHI

Agent(s): HOFFMANN EITLE; HARNESS DICKEY AND PIERCE PLC

Designated states: DE FR GB NL

International class (IPC 8–9)**:** G02F1/1343 G02F1/1345 G02F1/136 G02F1/1362 G02F1/1368 G09F9/00 G09F9/30 H01L21/02 H01L21/288 H01L21/3205 H01L21/336 H01L21/48 H01L21/77 H01L27/02 H01L27/12 H01L27/146 H01L29/04 H01L29/786 (Advanced/Invention); G02F1/136 H01L21/02 (Advanced/Non–invention); G02F1/13 G09F9/00 G09F9/30 H01L21/02 H01L21/70 H01L27/02 H01L27/12 H01L29/02 H01L29/66 (Core/Invention)

International class (IPC 1–7)**:** G02F1/1345 G02F1/1368 H01L27/146

CPC: H01L27/1292 B82Y10/00 B82Y30/00 G02F1/1368 H01L27/124 H01L27/1255 G02F1/136286 G02F1/136213 G02F2001/136295 G02F1/136 H01L21/02

European class: B82Y10/00 B82Y30/00 G02F1/1362C G02F1/1362W G02F1/1368 G02F1:1362C H01L27/12 H01L27/12T L82T201/01T S02F1/1362W4 T01L27/13

US class: 257/59 257/59P 257/E27.111 257/E27.111S 257/E27.113 257/E27.113S 349/138 349/143 349/38 349/43

Classification Explorer

Cited documents: US7394097 BB, US7136127 BB, US7084017 BB, US6838696 BB, US5930607 A, US4889411 A, US2008241980 AA, US2008231770 AA, US2005003640 AA,

US2005/0003640 A1

US2002018176 AA,

US2002/0018176 A1

KR20050003249 A, KR20000073730 A, JP9061835 A2, JP6095147 A2, JP3261699 B2, JP3261699, JP2170135 A2, JP2004363561 A2, JP2003318131 A2, JP2002090776 A2, JP2001339072 A2, JP09061835, EP1630869 A2, EP1478016 A2, EP1478016 A2, EP1478016 A2,

Forward Citations: US9559058, US8796768, US8455277, US8436358, US8288771, US8207534, US7995180, US7968388, US7781774, US7601567, US7527992, US2013015456, US2012181695, US2011260168, US2011171426, US2009224254, US2009057681, US2008121412, US2007284585, US2007148407, US2007134857, US2006108587, KR101064887, JP6035734, JP4516518, JP2013030730, JP2009098418, JP2008258480, JP2006295121,

Abstract:
Source: US2006202202A A pixel structure includes pixel electrodes and switching elements which correspond to the pixel electrodes. The pixel electrodes and the switching elements are formed on the same substrate, and each pixel electrode is provided in a layer on the substrate, not on a semiconductor layer of the switching element.

0) US6464098B – COLLAPSIBLE UTILITY ORGANIZER

132) Family number: 24012966 (US6464098B) © PatBase

Title: Collapsible utility organizer

Priority: US19990162453P 19991029 US20000698365 20001027

Family:

Publication number	Publication date	Application number	Application date
US6464098 BA	20021015	US20000698365	20001027

Probable Assignee: S COM SYSTEM PTE LTD

Assignee(s):(std)**:** HENSON JERRY A ; OVERGAARD RUSSELL L

Assignee(s): S COM SYSTEM PTE LTD

Inventor(s):(std)**:** HENSON JERRY A ; OVERGAARD RUSSELL L

International class (IPC 8–9)**:** A47B43/00 (Advanced/Invention); A47B43/00 (Core/Invention)

International class (IPC 1–7)**:** B65D25/22

CPC: A47B43/00

European class: A47B43/00

US class: 220/475 224/651

Classification Explorer

Cited documents: US6161739 A, US5819999 A, US4874119 A, US4580667 A,

Forward Citations: WO08041855, US9387956, US8127690, US8002158, US7901018, US7892064, US7694823, US7597130, US2012085759, US2008272024, US2008271648, US2007241113, US2007227990, US2006076861, US2006037713, US2006022559, US2005284356, US2005090179,

Abstract:
Source: US6464098B A portable, collapsible utility organizer is provided with a plurality of shelves in its interior for accommodating, in its expanded position, various goods, such as containers, food stuffs, equipment, etc. Exterior compartments are provided, as well as attachment means for dowel rods which can accommodate paper towels, toilet paper, hooks for hanging various utensils, etc. The organizing device, once emptied, is collapsible to a relatively flat and convenient dimension for easy transport.

0) US2010206765A – MEDICAL COMPLIANCE CHART, ORGANIZER AND DISPENS...

133) Family number: 46563399 (US2010206765A) © PatBase

Title: MEDICAL COMPLIANCE CHART, ORGANIZER AND DISPENSER

Priority: US20090378391 20090213

Family:

Publication number	Publication date	Application number	Application date
US2010206765 AA	20100819	US20090378391	20090213

Probable Assignee: FONTE ELPIDIO A

Assignee(s):(std)**:** FONTE ELPIDIO A

Inventor(s):(std)**:** FONTE ELPIDIO A

Agent(s): RICHARD A RYAN ATTORNEY AT LAW

International class(IPC 8–9)**:** A47B67/00 B65D83/04 E05B65/44 G08B23/00 G09F3/18 (Advanced/Invention); A47B67/00 B65D83/04 E05B65/44 G08B23/00 G09F3/08 (Core/Invention)

CPC: A61J7/04 A45C7/0095 A61J7/0409 A61J2200/30 B42D5/047 Y10T70/5097

European class: A61J7/04 K45C7/00D6 K61J200/30 K61J7/04B L42D5/04E

US class: 206/534 312/245 312/245S 340/573.1 340/573.100S 40/642.02 40/642.020S 70/78 70/78S

Classification Explorer

Cited documents: US4889237 A, US4534468 A, US3278010 A,

Forward Citations: US9619958, US9600850, US9579263, US9427377, US9240028, US9111256, US9037478, US8989895, US8892249, US8770416, US8739444, US2015352009, US2013228487, US2013054013, US2012233893, US2011193333, FR2992552,

Abstract:
Source: US2010206765A A medical compliance chart and dispenser for storing and dispensing medication that is easy and efficient to use and, if desired, carry from one place to another. The chart comprises a backing sheet having a plurality of medication containers attached thereto in a row and column arrangement which defines a calendar configuration so the user may have each day's medication inside a container designated for that day. The chart is utilized with packets of medication cooperatively sized with the containers to fit within a container chamber defined by walls of the container body. The packets are marked for the time of day to help the user remember to take medication and to avoid double taking it. The chart can be made out of stiff, hard materials or relatively soft, flexible materials that are easy to fold and carry. The chart can be mounted to a wall or inside a cabinet.

0) US2016128911A – FREE RADICALLY CURABLE DENTAL COMPOSITIONS

134) Family number: 62326415 (US2016128911A) © PatBase

Title: FREE RADICALLY CURABLE DENTAL COMPOSITIONS

Priority: DE201410116389 20141111

Family:

Publication number	Publication date	Application number	Application date
DE102014116389 A1	20160512	DE201410116389	20141111
EP3020360 A1	20160518	EP20150193617	20151109
US2016128911 AA	20160512	US20150937311	20151110

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Inventor(s):(std)**:** FONTEIN NILS ; FONTEIN NILS DR ; LUEBBE GERRIT ; LUEBBE GERRIT DR ; PLAUMANN MANFRED THOMAS

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9): A61C13/00 A61K6/083 A61K6/093 (Advanced/Invention)

CPC: A61K6/093 A61K6/083

US class: 523/116

Classification Explorer

Cited documents: WO13053693 A1, WO13041723 A1, WO05011621 A1, WO02092023 A1, WO02092021 A1, US7214726 BB, US7148382 BB, US7081485 BB, US6566413 BA, US6288138 BA, US5761169 A, US5057393 A, US5055372 A, US4954414 A, US4874450 A, US4772530 A, US2014138864 AA, US2007142495 AA, US2007027229 AA, US2003166816 AA, US2003069326 AA, EP2450025 A1, EP2436668 A1, EP2436366 A2, EP2436365 A2, EP2436364 A2, EP2436363 A2, EP2070935 A1, EP2070506 A1, EP1905415 A1, EP1881010 A1, EP1874847 B1, EP1872767 A1, EP1839640 A2, EP1720506 A1, EP1685182 B1, EP1563821 A1, EP1236459 B1, EP11188086, EP11183345, EP11183342, EP11183338, EP11183333, EP11183328, EP0980682 B1, EP0948955 B1, EP0783880 B1, EP0366977 B1, EP0262629 B1, EP0184095 B1, EP0173567 A2, EP0073413 A2, EP0059451 A1, EP0057474 A2, EP0047902 A2, EP0007508 A2, DE60116142 T2, DE60029481 T2, DE4416857 C1, DE4231579 C2, DE3941629 C2, DE3941629 A1, DE3801511 C2, DE3236026 A1, DE2758414 A1, DE19860364 C2, DE19708294 A1, DE1495520 A1,

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Abstract:
Source: US2016128911A The present invention relates to novel free−radically curable dental compositions, comprising chain−like and/or cyclic and/or cage−type polysiloxanes substituted by free−radically polymerizable groups and having at least 3 silicon atoms and/or mixed forms thereof, disiloxanes substituted by free−radically polymerizable groups, optionally one, two, three or more free−radically curable dental monomers having no silicon atom, fillers, initiators and/or catalysts for free−radical polymerization, and also further customary additives, to the cured dental products formed from the dental compositions of the invention, and to the respective use thereof as dental material, especially as flowable filling composites (called "flow materials"), core buildup materials and luting cements. The invention further relates to a method for producing the dental compositions and to a process for producing a respective dental product. Additionally claimed are inventive kits containing the novel free−radically

curable dental compositions.

0) US2006178918A – TECHNOLOGY SHARING DURING DEMAND AND SUPPLY PLA...

135) Family number: 33191768 (US2006178918A) © PatBase

Title: TECHNOLOGY SHARING DURING DEMAND AND SUPPLY PLANNING IN A NETWORK–BASED SUPPLY CHAIN ENVIRONMENT

Priority: US19990444739 19991122 US20060363926 20060227 US20110095580 20110427

Family:

Publication number	Publication date	Application number	Application date
US2006178918 AA	20060810	US20060363926	20060227
US2011251868 AA	20111013	US20110095580	20110427
US7130807 BA	20061031	US19990444739	19991122
US7957991 BB	20110607	US20060363926	20060227
US8560366 BB	20131015	US20110095580	20110427

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Agent(s): OPPENHEIMER WOLFF AND DONNELLY LLP (ACCENTURE); OPPENHEIMER WOLFF AND DONNELLY LLP ACCENTURE; OPPENHEIMER WOLFF AND DONNELLY LLP; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

International class (IPC 8–9): G06F15/02 G06F17/50 G06Q10/00 G06Q99/00 (Advanced/Invention)

CPC: G06Q10/06 G06Q10/063 G06Q10/06315 G06Q10/06375 G06Q30/0202

European class: G06Q10/06 G06Q10/063 G06Q10/06315 G06Q10/06375 G06Q30/0202

US class: 705/7 705/7.11 705/7.12 705/7.25 705/7.250P 705/7.31 705/7.310S 705/7.37 705/7.370S 705/7P 705/9

Classification Explorer

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Abstract:
Source: US2006178918A A system, method, and article of manufacture are provided for technology sharing during demand and supply planning in a network−based supply chain environment. Steps included are providing locator and mapping capabilities utilizing the network. Technology that includes streaming audio, stereo audio and video data is also shared utilizing the network. Encryption capabilities for the technology are also included. Further, searching capabilities are provided utilizing the network in addition to logging events and passive user profiling. The event logging includes logging network operations. User profile data is automatically received and stored. User profile data includes user identity, state, preferences and interests. User profile data is also automatically exported to an active profile manager which automatically adds additional user profile data. Additional user profile data includes information related to whether the user is a service provider or a manufacturer and the location of user.

0) DE10047986A1 – SIGNALING SYSTEM FOR NUMBER OF DISPENSERS, HAS ...

136) Family number: 23268136 (DE10047986A1) © PatBase

Title: Signaling system for number of dispensers, has sensors for determining degree of filling of dispensers and arrangement for transmitting data from sensors to display unit

Priority: DE20001047986 20000928

Family:

Publication number	Publication date	Application number	Application date
DE10047986 A1	20020502	DE20001047986	20000928

Probable Assignee: SPATZ MICHAEL

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Inventor(s):(std)**:** SPATZ MICHAEL

International class (IPC 8–9)**:** G01F23/00 (Advanced/Invention); G01F23/00 (Core/Invention)

International class (IPC 1–7)**:** G01F23/00

CPC: G01F23/0076

European class: G01F23/00G1A

Classification Explorer

Cited documents: DE4321754 C2,

Forward Citations: WO14031045, CN104583734,

Abstract:
The signaling system has sensors (5–8) for determining the degree of filling of dispensers (2–4) and an arrangement for transmitting data from the sensors to a display unit (15). Optical, or acoustic sensors or mechanical, e.g. weight, sensors can be used. Cables (9–12) or transmitters (19–21) and receivers (25) can be used for data transmission.

137) Family number: 30114448 (US2002143421A) © PatBase

Title: PERFORMING PREDICTIVE MAINTENANCE ON EQUIPMENT

Priority:

EP20020779301	20020902	EP20020797671	20020902	JP20030525524	20020902
US20000690793	20001017	US20010947024	20010904	US20010946160	20010904
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US20090353408	20090114	US20040799914	20040312	WO2001US32154	20011016
WO2001US32576	20011016	WO2002EP09881	20020902	WO2002EP09882	20020902
WO2002US09303	20020321	WO2002EP09885	20020902	WO2001US29384	20010918
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Family:

Publication number	Publication date	Application number	Application date
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AU200191139 A5	20020429	AU20010091139	20010918
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): G05B19/418 G05B23/02 G06F11/30 G06F15/00 G06F17/30 G06F17/60 G06F19/00 G06F9/44 G06Q10/00 G06Q10/06 G06Q10/08 G06Q10/10 G06Q50/00 G06Q90/00 G07C5/00 G21C17/00 (Advanced/Invention);
G06F17/30 (Advanced/Non–invention);
G05B19/418 G06F15/00 G06F17/30 G06F19/00 G06Q10/00 G06Q50/00 G06Q90/00 G06Q99/00 G07C5/00 (Core/Invention)

International class (IPC 1–7): G05B23/02 G06F11/30 G06F17/60 G06F19/00 G06F7/00

CPC: G06Q10/0635 G06Q10/06375 G07C5/006 G07C5/008 G06Q10/06312 G05B23/0283 G06Q10/00 G06Q10/10 G06Q10/1093 Y10S707/99932 Y10S707/99933 Y10S707/99934 Y10S707/99943 Y10S707/99945 Y10S707/99952 Y10S707/99953 G06Q10/06 G06Q10/063 G06Q10/06314 G06Q10/087 G06Q10/0875 G06Q10/1097 G06Q10/20 G06Q10/06313 G06Q10/0631 G06Q10/06315 G06Q10/06316 G06Q10/08 G06Q10/063112

European class: G05B23/02S6M G06F17/60A G06F17/60C2 G06F17/60C5 G06F19/00A G06Q10/00 G06Q10/06 G06Q10/063 G06Q10/0631 G06Q10/06311 G06Q10/06311B G06Q10/06312 G06Q10/06314 G06Q10/06315 G06Q10/06316 G06Q10/0635 G06Q10/06375 G06Q10/08 G06Q10/087 G06Q10/0875 G06Q10/08E G06Q10/10 G06Q10/1093 G06Q10/1097 G06Q10/20 G07C5/00M G07C5/00T

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Classification Explorer

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Abstract:
Source: US2002143421A A data processing system stores a first database of component data on components of an equipment. The data processing system stores a second database of maintenance personnel associated with corresponding qualifications. The data processing system associates at least one predictive maintenance factor (for a component) with the corresponding component data. A scheduler schedules maintenance for a maintenance time period for at least one of the components based on the first database, the second database, the associated predictive maintenance factor, and an elapsed time with respect to an installation date of at least one component. The predictive maintenance factor may be defined by one or more of the following: a longevity estimate, a probability of failure, a financial estimate on maintenance of a component.

138) Family number: 33376320 (WO0155162A1) © PatBase

Title: NUCLEIC ACIDS, PROTEINS, AND ANTIBODIES

Priority:
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Family:

Publication number	Publication date	Application number	Application date
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WO0155162 A1	20010802	WO2001US01305	20010117
WO0155162 C1	20010907	WO2001US01305	20010117

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Assignee(s):(std)**:** BARASH STEVEN C ; HUMAN GENOME SCIENCES INC ; ROSEN CRAIG A ; RUBEN STEVEN M

Inventor(s):(std)**:** BARASH STEVEN C ; ROSEN CRAIG A ; RUBEN STEVEN M

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

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Classification Explorer

Forward Citations: WO09039442,

Abstract:
The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

0) US2003049650A – NUCLEIC ACIDS, PROTEINS, AND ANTIBODIES

139) Family number: 40830621 (US2003049650A) © PatBase

Title: Nucleic acids, proteins, and antibodies

Priority:
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US20000241785P 20001020 US20000244617P 20001101 US20000251856P 20001208
US20000251868P 20001208 US20000237039P 20001002 US20000237038P 20001002
US20000237040P 20001002 US20000240960P 20001020 US20000239935P 20001013
US20000239937P 20001013 US20000241787P 20001020 US20000246474P 20001108
US20000246532P 20001108 US20000249216P 20001117 US20000249210P 20001117
US20000249218P 20001117 US20000249208P 20001117 US20000249213P 20001117
US20000249212P 20001117 US20000249207P 20001117 US20000249245P 20001117
US20000249244P 20001117 US20000249217P 20001117 US20000249211P 20001117
US20000249215P 20001117 US20000249264P 20001117 US20000249214P 20001117
US20000249297P 20001117 US20000241808P 20001020 US20000241826P 20001020
US20000241786P 20001020 US20000241221P 20001020 US20000246475P 20001108

Family:

Publication number	Publication date	Application number	Application date
US2003049650 AA	20030313	US20020091483	20020307

Probable Assignee: HUMAN GENOME SCIENCES INC

Assignee(s):(std)**:** HUMAN GENOME SCIENCES INC

Inventor(s):(std)**:** BARASH STEVEN C ; ROSEN CRAIG A ; RUBEN STEVEN M

International class (IPC 8–9): C07H21/04 C07K14/435 C12N5/06 C12N9/00 C12P21/02 C12Q1/68 (Advanced/Invention)

International class (IPC 1–7): C07H21/04 C12N5/06 C12N9/00 C12P21/02 C12Q1/68

CPC: C07K14/47

European class: C07K14/47

US class: 435/183 435/183S 435/320.1 435/320.100S 435/325 435/325S 435/6 435/6.16 435/6.160P 435/69.1 435/69.100S 435/6P 536/23.2 536/23.200S

Classification Explorer

Abstract:
Source: US2003049650A The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or

compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

0) US2011188716A – INTRAVAGINAL DIMENSIONING SYSTEM

140) Family number: 48533306 (US2011188716A) © PatBase

Title: INTRAVAGINAL DIMENSIONING SYSTEM

Priority: US20090246375P 20090928 US20090246396P 20090928 US20090263416P 20091123
US20090246405P 20090928 US20100498546 20100927 US20090290792P 20091229
US20100890830 20100927 US20100890743 20100927 US20100890764 20100927
US20100890805 20100927 US20100890847 20100927 US20100890750 20100927
US20100890811 20100927 WO2010US50329 20100927

Family:

Publication number	Publication date	Application number	Application date
CN103068299 A	20130424	CN201080051792	20100927
EA201200543 A1	20121130	EA20120000543	20100927
EP2525702 A1	20121128	EP20100819585	20100927
EP2525702 A4	20141029	EP20100819585	20100927
IN00776MN2012 A	20130201	IN2012MN00776	20120327
MX2012003742 A1	20121010	MX20120003742	20100927
US2011188716 AA	20110804	US20100890830	20100927
US2011190579 AA	20110804	US20100890743	20100927
US2011190580 AA	20110804	US20100890764	20100927
US2011190581 AA	20110804	US20100890805	20100927
US2011190582 AA	20110804	US20100890847	20100927
US2011190595 AA	20110804	US20100890750	20100927
US2011190689 AA	20110804	US20100890811	20100927
US2013053657 AA	20130228	US20100498546	20100927
US8679013 BB	20140325	US20100890743	20100927
US8679014 BB	20140325	US20100890750	20100927
WO11038310 A1	20110331	WO2010US50329	20100927
WO11038310 A4	20110623	WO2010US50329	20100927

Probable Assignee: ILLUMINARE HOLDINGS LTD

Assignee(s):(std)**:** BENNETT JAMES D ; ILLUMINARE HOLDINGS LTD ; LUMEDEN MEDICAL LTD ; ZIARNO ANDREW W ; ZIARNO WITOLD ANDREW

Assignee(s): LUMEDEN MEDICAL LIMITED

Inventor(s):(std)**:** BENNETT JAMES D ; ZIARNO ANDREW W ; ZIARNO WITOLD ANDREW

Inventor(s): JAMES D BENNETT ; WITOLD ANDREW ZIARNO ; ANDREW WITOLD ZIARNO

Agent(s): HENDERSON HELEN LEE; JOHN; DA VINCI PARTNERS LLC; MOETTELI JOHN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B1/00 A61B1/04 A61B1/05 A61B1/06 A61B1/303 A61B1/32 A61B10/00 A61B17/42 A61B17/425 A61B5/00 A61B5/0444 A61B5/055 A61B5/103 A61B5/11 A61B5/145 A61B6/00 A61B8/00 A61M37/00 A61N5/06 G06F19/00 G06K9/00 (Advanced/Invention); A61B5/03 A61B5/0444 A61B7/02 A61B8/12 (Advanced/Non–invention)

CPC: A61B1/00016 A61B1/00034 A61B1/00096 A61B1/00135 A61B1/00142 A61B1/00177 A61B1/05 A61B1/303 A61B5/035 A61B5/0444 A61B5/14532 A61B5/14539 A61B5/4318 A61B5/4343 A61B5/4839 A61B5/68 A61B5/6846 A61B7/023 A61B8/12 A61B8/4416 A61B8/4472 A61B17/42 A61B17/425 A61N5/0603 A61N2005/0611 G06F19/3406 G06F19/3418 G06F19/3487 G06F19/34 A61B1/042 A61B8/445

European class: A61B1/00C2D A61B1/00C5B6B A61B1/00E4H7 A61B1/00H4 A61B1/00S4B A61B1/04D A61B1/05 A61B1/07 A61B1/303 A61B1/32 A61B17/42 A61B17/425 A61B5/145J

A61B5/41B A61B5/43F3 A61B5/43F6 A61B5/48J2 A61B5/68 A61B5/68D A61B8/44F A61N5/06B4 G06F19/34C K61B1/00J K61B5/03F2 K61B5/0444 K61B5/145G K61B7/02B K61B8/12 K61B8/44N8 K61N5/06B4V S06F19/34A S06F19/34P

US class: 382/128 382/128P 600/109 600/109P 600/109S 600/118 600/118S 600/135 600/300 600/300S 600/301 600/301P 600/301S 600/304 600/476 600/511 600/588 600/591 604/21 604/21P 607/88 607/88S

Classification Explorer

Cited documents: WO10144413 A1, WO10105063 A1, WO06086089 A1, WO06077529 A2, WO05099570 A1, US8684944 BB, US8496597 BB, US8458286 BB, US8456293 BA, US8255238 BB, US7938789 BB, US7937249 BB, US7850625 BB, US7762945 BB, US7628744 BB, US7408439 BB, US7353179 BB, US7346174 BA, US7214223 BB, US7207941 BB, US7154398 BB, US7038588 BB, US6994678 BB, US6896653 BA, US6893396 BB, US6836703 BB, US6741895 BA, US6741892 BA, US6669653 BB, US6471895 BB, US6450977 BA, US6400980 BA, US6364834 BA, US6277067 BA, US6200279 BA, US6039701 A, US5920395 A, US5881731 A, US5876325 A, US5827180 A, US5622170 A, US5451208 A, US5096830 A, US2013218026 AA, US2013030831 AA, US2012249764 AA, US2011190581 AA, US2010312070 AA, US2010235782 AA, US2010198009 AA, US2010137681 AA, US2010100160 AA, US2010081895 AA, US2010036279 AA, US2010016668 AA, US2010010294 AA, US2010009336 AA, US2009292168 AA, US2009281397 AA, US2009222058 AA, US2009203986 AA, US2009185096 AA, US2009172773 AA, US2009143646 AA, US2009076368 AA, US2009063190 AA, US2009043801 AA, US2008300998 AA, US2008294227 AA, US2008275773 AA, US2008269664 AA, US2008208006 AA, US2008184170 AA, US2008183106 AA, US2008161642 AA, US2008147089 AA, US2008146887 AA, US2008132763 AA, US2008071190 AA, US2008052168 AA, US2008045791 AA, US2008015661 AA, US2007213590 AA, US2007198296 AA, US2007179356 AA, US2007167787 AA, US2007161854 AA, US2007156068 AA, US2007142710 AA, US2007130287 AA, US2007112284 AA, US2007093703 AA, US2007061393 AA, US2006241347 AA, US2006149597 AA, US2006106283 AA, US2006089570 AA, US2006079732 AA, US2006015369 AA, US2005267377 AA, US2005215858 AA, US2005203399 AA, US2005165270 AA, US2005160001 AA, US2005049509 AA, US2005043894 AA, US2005010081 AA, US2004236193 AA, US2004127769 AA, US2004068162 AA, US2004054248 AA, US2003164952 AA, US2003162414 AA, US2003065526 AA, US2003065278 AA, US2002198473 AA, US2002052559 AA, GB2216804 A1, CN101194278 A, CA2608497 AA,

Forward Citations: WO17053122, WO17003526, WO16097368, WO15151102, WO15144942, WO15070242, WO14166993, WO14160042, WO14031192, WO13162750, WO13138517, USD655633, US9700236, US9686673, US9646271, US9639930, US9626849, US9622646, US9613423, US9582139, US9571757, US9554064, US9554063, US9553910, US9549124, US9544485, US9537968, US9526437, US9519903, US9489745, US9468367, US9454820, US9445726, US9292577, US9247076, US9164801, US9131843, US9098680, US8998822, US8986204, US8968197, US8838219, US8838217, US8696563, US8656916, US8605165, US8185354, US2017035347, US2016352726, US2016346610, US2016192115, US2016191757, US2016059034, US2016015913, US2016008091, US2015296023, US2015289768, US2015254839, US2015087256, US2015009295, US2014157174, US2014130574, US2014100879, US2014073879, US2014067649, US2014066048, US2014007877, US2013337732, US2013285906, US2013281165, US2013204148, US2013167250, US2013131541, US2013006334, US2012330219, US2012238900, US2012203602, US2012086827, US2012059227, US2011295186, US2011190582, US2011178373, US2011112416, US2011071398, US2010331720, US2010305530, US2009287454, KR101363550, ES2546919, EP2967487, DE102015005730, CN105899180, CN105596111, CN105596111, CN105307722, CN105030224, CN104941072, CN104857637, CN104382549, CN104224404, CN104224404,

Abstract:
Source: US2011188716A An intravaginal monitoring device and its supporting network infrastructure; wherein the intravaginal monitoring device generates scaling and dimensioning, using infrared, ultraviolet or laser signals, in conjunction with a supporting software at the server and/or client sides. The scaling and dimensioning are performed using one or more of many possible algorithmic and hardware based techniques. Reproductive health care management web pages or system interfaces present scaling and dimensioning and emphasis changes over time. The generations scaling and dimensioning, including color and shade variation identifications, incorporate various schemes for a woman's cervix during routine checkup, cervix and aperture openings during pregnancy checkup, and cervix containing an artifact during checkup and treatments. The artifact may represent, for example, stages of ovulation, pregnancy, infections, sexually transmitted diseases and cancer.

0) US2011202292A – SENSOR–POWERED WIRELESS CABLE LEAK DETECTION

141) Family number: 49411134 (US2011202292A) © PatBase

Title: SENSOR–POWERED WIRELESS CABLE LEAK DETECTION

Priority: US20100305433P 20100217 US20110028902 20110216 US20110029756 20110217 WO2011US25189 20110217

Family:

Publication number	Publication date	Application number	Application date
AU2011218144 AA	20110825	AU20110218144	20110217
AU2011218144 BB	20150312	AU20110218144	20110217
CA2789468 AA	20110825	CA20112789468	20110217
CN102762969 A	20121031	CN201180009916	20110217
CN102762969 B	20160224	CN201180009916	20110217
EP2537015 A2	20121226	EP20110745206	20110217
JP2013519904 T2	20130530	JP20120554017T	20110217
JP5873444 B2	20160301	JP20120554017T	20110217
RU2012139453 A	20140327	RU20120139453	20110217
RU2543942 C2	20150310	RU20120139453	20110217
US2011202292 AA	20110818	US20110028902	20110216
US2011288380 AA	20111124	US20110029756	20110217
US8762166 BB	20140624	US20110029756	20110217
US8818740 BB	20140826	US20110028902	20110216
WO11103261 A2	20110825	WO2011US25189	20110217
WO11103261 A3	20111215	WO2011US25189	20110217

Probable Assignee: IMPAK HEALTH LLC

Assignee(s):(std)**:** ELLIOTT SANDRA D ; IMPAK HEALTH LLC ; INCIARDI SALVATORE RICHARD ; MCCOY KENNETH ; TYCO THERMAL CONTROLS LLC ; MERIDIAN HEALTH SYSTEM INC ; PENTAIR THERMAL MAN LLC ; PENTEHJR TERMAL MENEDZHMENT LLK

Assignee(s): PENTAIR THERMAL MANAGEMENT LLC

Inventor(s):(std)**:** ELLIOTT SANDRA D ; INCIARDI SALVATORE RICHARD ; MCCOY KENNETH ; MAKKOJ KENNET ; KENNETH MCCOY

Agent(s): GRIFFITH HACK; KIRBY EADES GALE BAKER; HEDGES MARTIN NICHOLAS; INO SARI; KURASAWA ICHIRO; MATSUSHITA MITSURU; DESHIMARU TAKESHI; KUMAKURA YOSHIO; LAW OFFICES OF ROBERT F ZIELINSKI LLC; QUARLES AND BRADY LLP; RAJ RASHMI ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B5/00 G01F17/00 G01F23/26 G01M3/16 G05B11/01 G05B19/00 G06F17/00 G06Q10/00 G06Q50/00 G08B23/00 (Advanced/Invention)

CPC: G01M3/165

European class: G01M3/16B

US class: 340/573.1 340/573.100S 600/301 600/301P 700/241 700/242 700/242S 702/100 702/51 702/51P 705/2 705/3

Classification Explorer

Cited documents: WO09023956 A1, US8214077 BB, US8193918 BA, US7369919 BB, US6560165 BA, US6529446 BA, US6259654 BA, US6198383 BA, US6169707 BA, US6169707 B1, US5850937 A, US5827180 A, US5710551 A, US4617557 A, US4494553 A, US4293845 A, US2251234 A, US2212086 A, US2010213960 AA, US2009300723 AA, US2009199009

AA, US2009044595 AA, US2008053222 AA, US2008017722 AA, US2007278285 AA, US2007000310 AA, US2005209999 AA, US2005159905 AA, US2005035144 AA, US2004098212 AA, US2003036683 AA, US2002109706 AA, RU94045906, JP4069562 A2, JP2007232666 A2, JP2006251918 A2, JP2002310845 A2, JP2002310845, JP0469562, GB2344194 A1, FR2826726 B1, FR2773613 B1, FR2761154 B1, EP1965188 A2, EP0866326 A1, CN1930594 A, CN101576430 A,

Forward Citations: WO15054345, USD787812, USD787811, US9579023, US9021044, US9008658, US8981939, US8970380, US2015234996, US2015154396, US2014273917, US2013125646, US2012239773, RU172729, CN103284709, CN103284709,

Abstract:
Source: US2011202292A Techniques for leak detection are described. A leak detection module may include a plurality of wires comprising one or more collection points. The leak detection module may further include a capacitor configured to store a charge for powering the module during a power−off state and a plurality of switches to be controlled by a processor. The processor may initiate a predetermined switching sequence when a power−off state has been detected. During the switching sequence, leak detection data may be collected at the one or more collection points. The collected leak detection data may be stored in a set of registers. The leak detection module may transmit the stored leak detection data. Other embodiments are described and claimed.

142) Family number: 52170125 (US2012267615A) © PatBase

Title: THIADIAZOLE–BASED COMPOUND, LIGHT EMITTING ELEMENT COMPOUND, LIGHT EMITTING ELEMENT, LIGHT EMITTING DEVICE, AUTHENTICATION DEVICE, AND ELECTRONIC DEVICE

Priority: CN201210104025 20120410 JP20110088559 20110412 JP20110088560 20110412 JP20110088562 20110412 JP20140213464 20141020

Family:

Publication number	Publication date	Application number	Application date
CN102731533 A	20121017	CN201210104025	20120410
CN102731533 B	20160810	CN201210104025	20120410
CN106025099 A	20161012	CN201610561918	20120410
JP2012219078 A2	20121112	JP20110088559	20110412
JP2012222248 A2	20121112	JP20110088560	20110412
JP2012222250 A2	20121112	JP20110088562	20110412
JP2015071600 A2	20150416	JP20140213464	20141020
JP5682429 B2	20150311	JP20110088559	20110412
JP5799560 B2	20151028	JP20110088560	20110412
JP5879727 B2	20160308	JP20110088562	20110412
JP5987885 B2	20160907	JP20140213464	20141020
KR20120116360 A	20121022	KR20120037754	20120412
US2012267615 AA	20121025	US20120444107	20120411

Probable Assignee: SEIKO EPSON CORP

Assignee(s):(std)**:** FUJITA TETSUJI ; SEIKO EPSON CORP ; YAMAMOTO HIDETOSHI

Inventor(s):(std)**:** FUJITA TETSUJI ; YAMAMOTO HIDETOSHI ; TETSUJI FUJITA ; HIDETOSHI YAMAMOTO

International class (IPC 8–9)**:** C07C15/27 C07C15/38 C07D285/10 C07D285/14 C07D471/04 C07D513/04 C09K11/06 H01L51/50 H01L51/54 H05B33/14 (Advanced/Invention); C07C15/27 (Advanced/Non–invention)

CPC: C07D513/04 H01L51/0071 C09K11/06 C09K2211/1007 C09K2211/1011 C09K2211/1014 C09K2211/1044 C09K2211/1051 H01L51/0054 H01L51/0058 H01L51/0059 H01L51/0061 H05B33/14 H01L51/5024

European class: C09K11/06 H01L51/00M6D12 H01L51/00M6D4 H01L51/00M6F H01L51/00M6F4 H01L51/00M6H14 H05B33/14 M09K211/10B2 M09K211/10B4 M09K211/10B6 M09K211/10D4D M09K211/10D4D4

US class: 257/40 257/E51.026 544/345

Classification Explorer

Cited documents: US2011127505 AA, US2010244671 AA, US2010108992 AA, US2009299029 AA, US20090299029, US2007254432 AA, US2006154105 AA, US2003027016 AA, JP2010283384 A2, JP2010283384, JP2010254674 A2, JP2010254674, JP200949094, JP2009272144 A2, JP2009272144, JP2009049094 A2, JP2009049094, JP2009016693 A2, JP2009016693, JP2008546185 T2, JP2008546185, JP2008069100 A2, JP2008069100, JP2006045143 A2, JP2006045143, JP2005063938 A2, JP2005063938, JP2004002297 A2, JP2004002297, JP2003055652 A2, JP2003055652, CN1785984 A, CN1785984, CN101911310 A, CN101423757 A, CN101423757,

Forward Citations: WO15186311, WO14107606, US9722184, US9401460, US9324952, US9312500, US9287510, US9224928, US9159932, US9072150, US9067952, US2015380655, US2015249213, US2013037785, JP6149377, JP6142498, JP5935261, JP2016006047, JP2014082406, JP2014082405, JP2013035784, CN105026518, CN103664495, CN103664495,

Abstract:
Source: US2012267615A Provided is a thiadiazole compound with high efficiency and long life which emits light in a near–infrared region and represented by Formula (I). [In the Formula (I), As each independently represent an

aryl group which may have a substituent or a diarylamino group.]

143) Family number: 57312598 (US2014248818A) © PatBase

Title: AERODYNAMIC DEVICE FOR USE IN ORGANIZING AND HOLDING FOOD AND LIQUID SUBSTANCES AND EATING UTENSILS AND FOR SUBSEQUENT RECREATIONAL USE

Priority: US20130760291P 20130204 US20130771428P 20130301 US20140194972 20140303 US20130790285P 20130315 US20140215662 20140317 US20140171820 20140204 US20160150743 20160510 US20170450414 20170306

Family:

Publication number	Publication date	Application number	Application date
US2014248818 AA	20140904	US20140194972	20140303
US2014261095 AA	20140918	US20140215662	20140317
US2015216338 AA	20150806	US20140171820	20140204
US2016316947 AA	20161103	US20160150743	20160510
US2017172328 AA	20170622	US20170450414	20170306
US9119506 BB	20150901	US20140194972	20140303
US9345352 BB	20160524	US20140215662	20140317

Probable Assignee: SHENDELMAN LEONID

Assignee(s):(std)**:** SHENDELMAN LEONID

Inventor(s):(std)**:** SHENDELMAN LEONID

Agent(s): KIRSCHSTEIN ET AL

International class (IPC 8–9)**:** A47B85/00 A47G19/02 A47G19/06 A47G19/08 A47G21/00 A47G21/02 A47G21/04 A47G21/14 A47G21/18 A47G23/02 A47G23/06 A47J43/00 A63H27/00 A63H33/00 A63H33/40 B26B3/02 (Advanced/Invention)

CPC: A47J43/00 A63H33/40 A47G19/065 A47G23/0625 A47G21/001 A47G2023/0666 A47G19/08 A47G21/18 A47G21/145 A47G23/0225 A47G21/023 A47G21/04 B26B3/02

US class: 1/1 108/27 108/28 220/574 294/24 294/26.5 446/46 446/47

Classification Explorer

Cited documents: USD699514 S1, USD552934 S1, USD494012 S1, USD483999 S1, USD415421 S1, USD303194 S1, USD281849 S1, USD194054 S1, USD192374 S1, USD188502 S1, USD176824 S1, US8939312 BA, US8672175 BB, US7552840 BB, US7387063 BB, US7360666 BA, US7207450 BA, US7111748 BB, US7007290 BB, US6971613 BB, US6971612 BA, US6824002 BA, US6702141 BA, US6338417 BA, US5947011 A, US5925390 A, US5873761 A, US5765716 A, US5593062 A, US5493976 A, US5366403 A, US5322023 A, US5180079 A, US4940441 A, US4907707 A, US4708256 A, US3499538 A, US3285459 A, US2561022 A, US2210972 A, US2049114 A, US2020514 A, US2015122824 AA, US2014367392 AA, US2013284619 AA, US2013119065 AA, US2011210126 AA, US2011114643 AA, US2009057252 AA, US2008169408 AA, US2008017226 AA, US2006029698 AA, US2005151034 AA, US2003218105 AA, US1734045 A, US1576088 A, US1221217 A,

Forward Citations: USD782249, USD781659, USD774832, US9173512,

Abstract:
Source: US2014248818A An aerodynamic device includes a plate having a generally circular periphery, a central portion, and a plurality of compartments for holding food substances during a dining activity. Each compartment is bounded by curved ribs, each rib extending continuously from the central portion along an arcuate path to the periphery. All of the ribs are aerodynamically shaped to provide lift during a subsequent recreational activity in which the device is thrown through the air. An insert is mounted in the central portion for holding a dining item, e.g., a drink container, for use during the dining activity, and a different recreational item for use during the recreational activity.

0) US2013037785A – LIGHT EMITTING ELEMENT, LIGHT EMITTING DEVICE, ...

144) Family number: 53007799 (US2013037785A) © PatBase

Title: LIGHT EMITTING ELEMENT, LIGHT EMITTING DEVICE, AND ELECTRONIC DEVICE

Priority: JP20110173659 20110809 JP20150155305 20150805

Family:

Publication number	Publication date	Application number	Application date
CN102956841 A	20130306	CN201210283144	20120809
CN102956841 B	20161221	CN201210283144	20120809
JP2013038245 A2	20130221	JP20110173659	20110809
JP2016027654 A2	20160218	JP20150155305	20150805
JP5790279 B2	20151007	JP20110173659	20110809
JP6020681 B2	20161102	JP20150155305	20150805
US2013037785 AA	20130214	US20120564384	20120801
US9159932 BB	20151013	US20120564384	20120801

Probable Assignee: SEIKO EPSON CORP

Assignee(s):(std)**:** FUJITA TETSUJI ; SEIKO EPSON CORP ; SEKI SHUNICHI ; YAMAMOTO HIDETOSHI

Inventor(s):(std)**:** FUJITA TETSUJI ; SEKI SHUNICHI ; YAMAMOTO HIDETOSHI

Agent(s): OLIFF PLC

International class(IPC 8–9)**:** C09K11/06 H01L51/00 H01L51/50 H01L51/54 H01L51/56 H05B33/12 (Advanced/Invention); C09K11/06 H01L51/50 (Advanced/Non–invention)

CPC: H01L51/0069 H01L51/0058 H01L51/0059 H01L51/0087 H01L51/5012 C09K11/06

US class: 1/1 257/40 257/E51.026

Classification Explorer

Cited documents: WO08094187 A2, WO08069322 A1, WO05101911 A1, WO05101911, WO04058911 A2, WO03095445 A1, US8803138 BB, US8039128 BB, US7960912 BB, US7947992 BB, US7919773 BB, US7902542 BB, US7714099 BB, US7632579 BB, US6680131 BA, US6004685 A, US5862434 A, US5449564 A, US5294869 A, US5104740 A, US4769292 A, US2013221334 AA, US2013168654 AA, US2013099209 AA, US2013037785 AA, US2013037784 AA, US2013032791 AA, US2013009909 AA, US2012267615 AA, US2012262057 AA, US2012091923 AA, US2012056213 AA, US2011303901 AA, US2011279020 AA, US2011253988 AA, US2011087034 AA, US2011058192 AA, US2010317858 AA, US2010252823 AA, US2010244679 AA, US2010244671 AA, US2010237990 AA, US2010237338 AA, US2010194807 AA, US2010155694 AA, US2010133434 AA, US2009261360 AA, US2009243476 AA, US2009115348 AA, US2009091250 AA, US2009079335 AA, US2008230123 AA, US2008125593 AA, US2008067479 AA, US2008061681 AA, US20080061681, US2007285005 AA, US2007254432 AA, US2007077453 AA, US2006154105 AA, US2006063027 AA, US2005079381 AA, US2004018382 AA, US2003027016 AA, US2003008172 AA, US2002089560 AA, JP97465, JP93257, JP9236965 A2, JP91073, JP9013025, JP73374, JP7052375 A2, JP63938, JP63264692 A2, JP6240246 A2, JP6145146 A2, JP6136359 A2, JP6093257 A2, JP6073374 A2, JP55652, JP5258859 A2, JP5214334 A2, JP5032966 A2, JP3792, JP3791, JP330295, JP32966, JP3177486 A2, JP3162481 A2, JP3000792 A2, JP3000791 A2, JP264692, JP258859, JP255788, JP240246, JP233261, JP2255788 A2, JP214334, JP2012227315 A2, JP2012227315, JP2012222249 A2, JP2012222249, JP201165800, JP2011151011 A2, JP2011151011, JP2011134810 A2, JP2011073432 A2, JP2011065800 A2, JP201097420, JP2010254674 A2, JP2010245211 A2, JP2010191438 A2, JP2010191438, JP2010179544 A2, JP2010147179 A2, JP2010147179, JP2010097420 A2, JP2010086032, JP2009256343 A2, JP2009049094 A2, JP2009016693 A2, JP2009016693, JP2008162921 A2, JP2008158597, JP2008133277 A2, JP2008069100 A2, JP2007115626 A2, JP2007004612, JP2007000769 A2, JP2006511939 T2, JP2006045398 A2, JP2006045143, JP2005531552 T2, JP2005063938 A2, JP2004002297 A2, JP2003109760 A2, JP2003109760, JP2003055652 A2, JP2002514230, JP2002097465 A2, JP2001520450, JP2001270585 A2, JP2001110570 A2, JP2001097949 A2, JP2000091073 A2, JP177486, JP162481, JP145146, JP136359, JP115626, JP11233261 A2, JP11217776 A2, JP11179895 A2, JP110570, JP10330295 A2, EP0281381 B1,

Forward Citations:

US9722184, US9401460, US9324952, US9287510, US9224928, US9159932, US9123665, US9092706, US9072150, US9067952, US2015228910, US2014110686, US2014091287, US2012262057, JP2013035784, EP2819197, CN103187532,

Abstract:
Source: US2013037785A A light emitting element including an anode, a cathode, a visible light emitting layer which emits visible light and an infrared light emitting layer which emits infrared light installed between the anode and the cathode is provided. Also, it is preferable that the infrared light emitting layer contain a thiadiazole−based compound as a light emitting material.

0) US2016203699A – METHOD AND APPARATUS OF SURVEILLANCE SYSTEM

145) Family number: 59694573 (US2016203699A) © PatBase

Title: METHOD AND APPARATUS OF SURVEILLANCE SYSTEM

Priority: US20140077609P 20141110 US20140923992P 20140106 US20160078649 20160323 WO2015US10334 20150106

Family:

Publication number	Publication date	Application number	Application date
US2016203699 AA	20160714	US20160078649	20160323
WO15103615 A1	20150709	WO2015US10334	20150106

Probable Assignee: YYESIT LLC

Assignee(s):(std)**:** YYESIT LLC

Inventor(s):(std)**:** MULHERN PAUL ; SIEGEL ELIOT ; YESHA YELENA

Agent(s): EDWARDS JEAN C

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): G08B23/00 G08B3/10 G08B5/22 G09B19/00 (Advanced/Invention)

CPC: G06F19/327 G08B21/245 G06K9/00771 G08B23/00 G08B3/10 G08B5/22 G06F19/3418

US class: 340/573.1

Classification Explorer

Cited documents: US8928458 BB, US8378988 BA, US8325036 BA, US8022807 BB, US7893812 BB, US7844505 BA, US7046143 BB, US7027621 BA, US2015109100 AA, US2015022316 AA, US2014368336 AA, US2013147598 AA, US2011166463 AA, US2010301993 AA, US2010295674 AA, US2010102929 AA, US2009298024 AA, US2009295534 AA, US2008319602 AA, US2007046424 AA, US2006171570 AA, US2004075555 AA, US2002102523 AA,

Abstract:
Source: US2016203699A The present invention relates to a method and apparatus of electronic surveillance, which employs data gathering devices that continuously collect and relay data (such as images and sounds) to a processor, which analyzes and compares the analyzed data to data samples stored in a catalog, interpreting the data in real time, and if a closely correlated data sample is identified by the program, and if that correlation has a feedback command associated with it in the feedback command catalog, then the program will issue a feedback command to at least one of a specific combination of data feedback devices, and/or may inform users using electronic methods. The present invention is used to track and provide feedback with various quality and safety measures for various activities in diverse environments, such as prisoner management, elder or children's care, or compliance in health care or in the food industry including hand washing behavior.

146) Family number: 32561288 (US2008299101A) © PatBase

Title: CANCER TREATMENT RESISTANCE AND AGENTS MODULATING SUCH RESISTANCE

Priority: CA20042474442 20040709 CA20052572681 20050708 WO2005IB02629 20050708

Family:

Publication number	Publication date	Application number	Application date
CA2474442 AA	20060109	CA20042474442	20040709
CA2572681 AA	20070103	CA20052572681	20050708
EP1776478 A1	20070425	EP20050784128	20050708
JP2008505882 T2	20080228	JP20070519918T	20050708
US2008299101 AA	20081204	US20050571798	20050708
WO06006078 A1	20060119	WO2005IB02629	20050708

Probable Assignee: CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

Assignee(s):(std)**:** CENTRE NAT RECH SCIENT ; GOURDIER ISABELLE ; COQUELLE ARNAUD ; DUTRILLAUX BERNARD ; KROEMER GUIDO ; PAU BERNARD ; PASTEUR INSTITUT

Assignee(s): PASTEUR INST ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS INSTITUT PASTEUR ; INSTITUT PASTEUR ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C N R S) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE C N ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS ; CNRS

Inventor(s):(std)**:** PAU BERNARD ; KROEMER GUIDO ; GOURDIER ISABELLE ; DUTRILLAUX BERNARD ; COQUELLE ARNAUD

Agent(s): ROBIC; FOLEY AND LARDNER LLP, SUITE 500; FOLEY AND LARDNER LLP SUITE 500

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61K31/28 A61K31/282 A61K38/00 A61K38/43 A61P31/00 A61P35/00 A61P43/00 C12N9/00 C12Q1/02 C12Q1/04 C12Q1/68 (Advanced/Invention) ; A61K31/28 A61K38/00 A61P35/00 A61P43/00 C12Q1/68 (Core/Invention)

CPC: C12Q1/6886 C12Q2600/106 C12Q2600/136

European class: C12Q1/68M6B M12Q600/106 M12Q600/136

US class: 424/94.1 424/94.100P 435/183 435/183S 435/6 435/6.14 435/6.140S 435/6.16 435/6.160S 435/6S 514/492 514/492S

Classification Explorer

Cited documents: US2006093575 AA,

Abstract:
Source: US2008299101A The present invention concerns a method for detecting in vitro resistance of cancer cells to a treatment by detecting in the cancer cells supernumerary nucleolar organizer regions (NOR), whereby identification of the presence of supernumerary NOR in the cancer cells is indicative of treatment resistance. The present invention also concerns a method for defining the capacity of a candidate agent to modulate NOR genes number of cancer cells by contacting the cancer cells with a candidate agent for a time sufficient to permit modulation of NOR genes number; and observing whether NOR genes number increases or decreases in said cancer cells. The present invention also provides a candidate agent that modulates NOR genes number of cancer cells obtained by the method of the invention and a composition for treating and/or preventing a cancer in a patient, comprising said candidate agent. Such a candidate agent decreases the NOR genes number in said cancer cells.

147) Family number: 42853948 (US2009019654A) © PatBase

Title: COMPACT SERVICING EQUIPMENT AND CARRIER COMBINATION

Priority: US20070879950 20070718

Family:

Publication number	Publication date	Application number	Application date
US2009019654 AA	20090122	US20070879950	20070718

Probable Assignee: LINGREN DEBRA

Assignee(s):(std)**:** LINGREN DEBRA

Inventor(s):(std)**:** LINGREN DEBRA

Agent(s): PATENT LAW AND VENTURE GROUP

International class (IPC 8–9)**:** A47L13/12 A47L13/14 A47L13/20 (Advanced/Invention); A47L13/10 A47L13/20 (Core/Invention)

CPC: A47L13/51 A47L13/58

European class: A47L13/51 A47L13/58

US class: 15/115 15/260

Classification Explorer

Cited documents: USD533977 S1, USD426361 S1, USD411674 S1, USD156145 S1, US7174601 BA, US7174600 BB, US6560815 BA, US6283170 BA, US6279195 BA, US6260230 BA, US5881891 A, US5609255 A, US5548865 A, US5095579 A, US4908904 A, US4798307 A, US4716619 A, US4161799 A, US4135269 A, US3600740 A, US2379476 A, US2008006640 AA, US2005076465 AA, US2003217428 AA,

Forward Citations: US9604658, US9233703, US8602423, US8544141, US8479352, US2015108739, US2011061193, US2009265871,

Abstract:
Source: US2009019654A A compact cleaning equipment includes a dual cavity bucket and a tray nested within the bucket for carrying cleaning agents and supplies. The bucket is of sufficient size to hold the tools that are needed for a wide range of cleaning tasks and each is adapted for non−rotational and manual release mounting onto a telescoping handle that is storable on the side of the bucket when not in use. A net wringer is mountable over the bucket for rotational squeeze wringing of a mop.

0) US2011244798A – DATA PACKET GENERATOR AND IMPLEMENTATIONS OF SA...

148) Family number: 49514060 (US2011244798A) © PatBase

Title: DATA PACKET GENERATOR AND IMPLEMENTATIONS OF SAME

Priority: US20100307710P 20100224 US20110034358 20110224 US20160090876 20160405

Family:

Publication number	Publication date	Application number	Application date
US2011244798 AA	20111006	US20110034358	20110224
US2017039630 AA	20170209	US20160090876	20160405
WO11106529 A2	20110901	WO2011US26080	20110224
WO11106529 A3	20111222	WO2011US26080	20110224

Probable Assignee: WHEREPRO LLC

Assignee(s):(std)**:** BOGOTT AMY L ; DAIGLE MARK R ; WHEREPRO LLC

Inventor(s):(std)**:** BOGOTT AMY L ; DAIGLE MARK R

Agent(s): BRUESS STEVEN C

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): G06Q30/02 G06Q30/06 H04B5/02 H04B7/00 H04L12/56 H04L29/06 H04L29/08 H04W64/00 (Advanced/Invention)

CPC: H04L67/12 H04L63/107 H04W4/008 G06Q30/0645 H04L63/083 H04L63/0853 H04L67/18 G06Q30/0623 G06Q30/0226 H04L63/08

European class: H04L29/08N11 H04L63/08 H04L63/10E H04W4/00N

US class: 455/41.2 455/41.200P 705/14.27

Classification Explorer

Cited documents: US8477645 BB, US8391261 BB, US7988627 BB, US6577238 BA, US5929848 A, US2011013569 AA, US2010296501 AA, US2010228405 AA, US2010127013 AA, US2003074106 AA, US2002161476 AA,

Forward Citations: WO13151852, US9686643, US9641520, US9547989, US9544977, US9413171, US9392448, US9386666, US9319834, US9317996, US9225639, US9203825, US9179254, US9148373, US9041511, US8913959, US8472865, US2016259419, US2016021499, US2015310715, US2015254986, US2014355761, US2014280944, US2014254477, US2014230023, US2014164922, US2014032705, US2013315102, US2013271281, US2013226642, US2013223447, US2012280784, US2012271477, US2012038836, LU91999, EP2717233,

Abstract:
Source: US2011244798A A data packet generator transmits data packets using radio frequency signals. The data packets are included, in some embodiments, in a network name. The network name can be detected by a computing device, which receives the data packet. The data packet can then be used for a variety of purposes.

149) Family number: 29078032 (US2005119764A) © PatBase

Title: SUITE OF CONFIGURABLE PRODUCTS WHICH CAN BE CONFigureD DURING FITTING, CONFIGURATION TOOL AND CONFIGURATION PROCESS FOR SUCH PRODUCTS

Priority: FR20020003938 20020328 WO2003EP03128 20030320

Family:

Publication number	Publication date	Application number	Application date
AU2003226714 AA	20031013	AU20030226714	20030320
CA2475932 AA	20040810	CA20032475932	20030320
CN1701288 A	20051123	CN20038006089	20030320
CN1701288 B	20100811	CN20038006089	20030320
EP1490739 A2	20041229	EP20030745272	20030320
FR2837945 A1	20031003	FR20020003938	20020328
FR2837945 B1	20050408	FR20020003938	20020328
KR101056717 B1	20110816	KR20047014669	20030320
KR20040104523 A	20041210	KR20047014669	20030320
MXPA04009291 A1	20050125	MX2004PA09291	20030320
US2005119764 AA	20050602	US20030508613	20030320
WO03083589 A2	20031009	WO2003EP03128	20030320
WO03083589 A3	20041104	WO2003EP03128	20030320

Probable Assignee: CELEC CONCEPTION ELECTRONIQUE EN ABREGE CELEC

Assignee(s):(std)**:** CELEC CONCEPTION ELECTRONIQUE ; MARTIN CHRISTIAN ; MARTIN MATTHIEU

Assignee(s): CELEC CONCEPTION ELECTRONIQUE EN ABREGE CELEC

Inventor(s):(std)**:** CHRISTIAN MARTIN ; MARTIN CHRISTIAN ; MARTIN MATTHIEU ; MATTHIEU MARTIN ; MATTHIEU MARTIN CHRISTIAN MART

Inventor(s): MARTIN CHRISTIAN MARTIN MATTHIEU

Agent(s): SMART AND BIGGAR; YOUNG AND THOMPSON

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): G05B19/042 (Advanced/Invention); G05B19/042 (Advanced/Non–invention); G05B19/04 (Core/Invention)

International class (IPC 1–7): F16K21/16 G05B13/02 G05B15/00 G05B19/042 G05D7/06 G06F9/445

CPC: G05B19/042 G05B2219/25092 G05B2219/25312

European class: G05B19/042 S05B219/25092 S05B219/25312

US class: 700/1 700/1P 700/28 700/28S

Classification Explorer

Cited documents: WO0215473 A2, WO0186435 A2, US7232111 BB, US7117335 BB, US7107128 BB, US6898552 BB, US6792452 BA, US6619614 BB, US6606670 BA, US6549816 BB, US6438770 BA, US6382252 BA, US6125482 A, US5915417 A, US5868311 A, US5868311, US5588636 A, US5566702 A, US5396546 A, US5331619 A, US2007170384 AA, US2006207019 AA, JP8085991, EP1018678 A2,

Forward Citations: US8032956, US7421526, US2007239912, US2007113331,

Abstract:
Source: US2005119764A The present invention relates to a suite of configurable products which can be configured during fitting. It also relates to a configuration tool tailored to this suite of configurable products. It relates finally to a configuration process for such products. A configuration tool (19) linked by an infrared channel (18) for communicating configuration words initially recorded in a memory (34), and selected by a keypad (23) performs the loading of the configuration words into the memory (6) of a control circuit (1) equipped with a microcontroller (2) executing a program for configuring a configurable product, such as a sanitary ware during the on−site fitting thereof. Application to a suite of sanitary ware products.

0) US2004056588A – ELECTRO–OPTICAL DEVICE, METHOD OF MANUFACTURING...

150) Family number: 30397498 (US2004056588A) © PatBase

Title: ELECTRO–OPTICAL DEVICE, METHOD OF MANUFACTURING THE SAME, AND ELECTRONIC APPARATUS

Priority: JP20020253489 20020830

Family:

Publication number	Publication date	Application number	Application date
CN100391026 C	20080528	CN20031054008	20030813
CN1484478 A	20040324	CN20031054008	20030813
JP2004095290 A2	20040325	JP20020253489	20020830
JP4232415 B2	20090304	JP20020253489	20020830
KR100553490 B1	20060220	KR20030059411	20030827
KR20040019941 A	20040306	KR20030059411	20030827
TW200406134 A	20040416	TW20030122766	20030819
US2004056588 AA	20040325	US20030643918	20030820
US7122954 BB	20061017	US20030643918	20030820

Probable Assignee: SEIKO EPSON CORP

Assignee(s):(std)**:** SEIKO EPSON CORP

Inventor(s):(std)**:** NOZAWA RYOICHI ; REIICHI NOSAWA

Inventor(s): NOSAWA REIICHI

Agent(s): OLIFF AND BERRIDGE PLC

International class (IPC 8–9)**:** H01L27/32 H01L29/786 H01L51/30 H01L51/50 H01L51/56 H05B33/00 H05B33/06 H05B33/08 H05B33/10 H05B33/14 H05B33/22 H05B33/26 (Advanced/Invention); H01L51/00 H01L51/40 H05B33/26 (Advanced/Non–invention); H01L27/28 H01L29/66 H01L51/05 H01L51/50 H05B33/02 H05B33/10 H05B33/14 H05B33/22 H05B33/26 (Core/Invention); H01L51/00 (Core/Non–invention)

International class (IPC 1–7)**:** H01J1/62 H01L29/786 H05B33/00 H05B33/10 H05B33/14 H05B33/22 H05B33/26

CPC: H01L27/3244 H01L51/0002 H01L51/0038 H01L51/0043 H05B33/26

European class: H01L27/32M2 H01L51/00M2B4 H01L51/30D2D H05B33/26 T01L51/00A2 T01L51/00M2F T01L51/30D6 T01L51/40B

US class: 257/E51.036 313/500 313/504 313/505 313/506

Classification Explorer

Cited documents: US6844673 BA, US6836069 BB, US6836069 BA, US6723576 BB, US6723576 BA, US6597121 BB, US6597121 BA, US6590349 BB, US6590349 BA, US6590346 BA, US6376380 BA, US6147451 A, US6075317 A, US5821003 A, US5585307 A, US2002158577 AA, TW358227 B, JP6216158 A2, JP59104170 A2, JP2003332041, JP2003108029 A2, JP2003015548 A2, JP2002244154, JP2002099247, JP2002083691, JP2002026473, JP2002015866, JP2001332383, JP2001318625, JP2001281680, JP2001195015, JP2001166311 A2, JP2000164875, JP2000106275, JP11329751, JP10189252, CN488094, CN2488094 Y,

Forward Citations: WO14020914, WO12086111, WO12001741, US9716252, US9711602, US9698347, US9224975, US9172065, US8901594, US8778712, US8669136, US8528497, US8524328, US8518760, US8481992, US8283860, US8222636, US8158517, US8076844, US7939888, US7928653, US7812355, US7764013, US7645812, US7335923, US7227306, US7115904, US2017148884, US2016118631, US2012074439, US2011165741, US2011165714, US2010051943, US2009314203, US2009179560, US2008164810, US2008012076, US2007122923, US2007035242, US2006172149, US2006125381, US2005287721, US2005280002, US2005219200, US2005186698, US2005046342, KR100730127, KR100603334, JP5624047, JP5543597, JP2014020914, JP2012001741, CN104244485, CN102714901, CN102714901, CN102388673, CN102388673,

Abstract:
Source: US2004056588A An electro−optical device and a method of manufacturing the same capable of suppressing an influence due to an irregularity of a switching element or a wiring line on a functional element is provided. An organic EL apparatus includes on a substrate P an organic EL device 200, a wiring for supplying a power to the organic EL device 200, and a switching element 143. An insulating layer 100 is formed on the substrate P, and a concave part is formed in the insulating layer 100 to dispose the switching element 143.

0) US2012164721A – CELL CULTURE APPARATUS

151) Family number: 51340367 (US2012164721A) © PatBase

Title: CELL CULTURE APPARATUS

Priority: JP20100285849 20101222

Family:

Publication number	Publication date	Application number	Application date
CN102533548 A	20120704	CN201110435935	20111222
CN102533548 B	20140702	CN201110435935	20111222
EP2468844 A1	20120627	EP20110194910	20111221
EP2468844 B1	20170208	EP20110194910	20111221
JP2012130297 A2	20120712	JP20100285849	20101222
JP5714316 B2	20150507	JP20100285849	20101222
KR101357418 B1	20140203	KR20110139163	20111221
KR20120071356 A	20120702	KR20110139163	20111221
US2012164721 AA	20120628	US20110331237	20111220
US8883492 BB	20141111	US20110331237	20111220

Probable Assignee: HITACHI LTD

Assignee(s):(std): HITACHI LTD ; HITACHI SEISAKUSHO D KK ; NAKAJIMA RYOTA ; NOZAKI TAKAYUKI ; KOBAYASHI TOYOSHIGE ; MATSUOKA SHIZU

Assignee(s): HITACHI SEISAKUSHO KK ; KABUSHIKI KAISHA HITACHI SEISAKUSHO ; KABUSHIKI KAISHA HITACHI SEISAKUSHO D ; KABUSHIKI KAISHA HITACHI SEISAKUSHO D B A HITACHI LTD

Inventor(s):(std): KOBAYASHI TOYOSHIGE ; MATSUOKA SHIZU ; NAKAJIMA RYOTA ; NOZAKI TAKAYUKI ; RYOTA NAKAJIMA ; SHIZU MATSUOKA ; TAKAYUKI NOZAKI ; TOYOSHIGE KOBAYASHI

Agent(s): MERH IP MATIAS ERNY REICHL HOFFMANN; MERH IP MATIAS ERNY REICHL HOFFMANN PATENTANWAELTE PARTG MBB; MATTINGLY AND MALUR PC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9): C12M1/00 C12M1/04 C12M1/14 C12M1/34 C12M1/36 C12M3/00 C12M3/02 (Advanced/Invention)

CPC: C12M41/14 C12M3/00 C12M1/04 C12M1/14

European class: C12M41/14

US class: 435/283.1 435/288.3 435/288.4 435/288.5 435/289.1 435/289.100P

Classification Explorer

Cited documents: US6228635 BA, US2010291663 AA, US2010135108 AA, US2010105138 AA, US2009298129 AA, US2006194193 AA, US2006115889 AA, US2006023299 AA, US2004077072 AA, JP2010148389 A2, JP2010148389, JP2008113600 A2, JP2008113600, JP2006174828 A2, JP2006174828, JP2006149268 A2, JP2006025789 A2, JP2006025789, JP2002315566 A2, CN1471574 A, CN1392242 A,

Forward Citations: WO16013070, JP5813680, JP2014166144, CN105392877, CN104521946, CN103667053, CN103667053,

Abstract:
Source: US2012164721A A cell culture apparatus has four sections, including a cell culture chamber, refrigerator, control unit, and intermediate chamber. The cell culture chamber includes a culture vessel base as a holding member for holding and installing a culture vessel, a microscope for photographing a cell image within the culture vessel, and a drive base which has drive mechanisms such as a pump and a valve to be connected to a flow channel having a closed structure including a tank. With the drive base within the cell culture chamber as the center, the rotatable culture vessel is arranged in the horizontal direction and the refrigerator in which the culture medium base containing the cell fluid and culture medium is installed is arranged in the vertical direction. The arrangement configuration is space−saving and provides a short distance between the instruments.

0) DE202012012701U1 – MULTIFUNKTIONALE, AUTOMATISIERENDE, FERNBEDIENB...

152) Family number: 51757174 (DE202012012701U1) © PatBase

Title: MULTIFUNKTIONALE, AUTOMATISIERENDE, FERNBEDIENBARE AUTOSCHEIBENWETTERSCHUTZTECHNOLOGIE

Priority: DE201120109644U 20111228 DE201210021593 20121102 DE201220012701U 20121102 DE201320009773U 20130625 DE201320011174U 20131102 DE201310010530 20130625

Family:

Publication number	Publication date	Application number	Application date
DE102012021593 A1	20130704	DE201210021593	20121102
DE102013010530 A1	20140918	DE201310010530	20130625
DE202011109644 U1	20120830	DE201120109644U	20111228
DE202012012701 U1	20131212	DE201220012701U	20121102
DE202013009773 U1	20140313	DE201320009773U	20130625
DE202013011174 U1	20140807	DE201320011174U	20131102

Probable Assignee: KOLLHOFF STEFAN

Assignee(s):(std)**:** KOLLHOFF STEFAN

Assignee(s): KOLLHOFF

Inventor(s):(std)**:** KOLLHOFF STEFAN

International class(IPC 8–9)**:** B60J1/20 B60J11/08 B60J3/06 B60K16/00 B60L8/00 B60R1/12 B62J17/04 B62J27/00 C03C17/23 E06B9/56 F03D9/00 (Advanced/Invention)

CPC: B60J1/20

European class: B60J1/20

Classification Explorer

Cited documents: DE202009007963 U1

DE102011015158 A1

DE102004021477 A1

Forward Citations: DE202014010276, DE102015001057,

Abstract:
Source: DE202012012701U1 Diese Erfindung berifft ein multifunktionale, automatisierende, fernbedienbare Autoscheibenwetterschutztechnologie (1) insbesondere fuer eine Front–Seiten–Heckscheibe. Ausgebildet mit je einem gegenueberstehenden an jeder Seite eine senkrechte, kreisfoermige, laengliche Achse (2), (3) die durch eine senkrechte, kreisfoermige oeffnung (4) eingeschoben ist. Je an den beiden Enden mit einer Spirale (5), (6), ausgebildet, woran sich je ein kreisfoermiger, zylinderfoermige Einspannkopf (7), (8) angeordnet ist. Die Antriebsspiraleneinspannungstechnik (ASST), (10) ist erfindungsgemaess ausgebildet mit einer Ein–Ausfahrbaren Teleskopvorrichtung (11) mit zwei inbehaltenden Stuetzraedchen (12), (13) an jeder Seite mit zwei inbehaltenden Spiralen (14), (15). Auf der Oberseite sind zwei kreisfoermige, gegenueberstehende Einspannungseinlaesse mit U–foermigen Ausschnitt (31), (32) angesetzt. Ein Gleichstrommotor (24) mit abgestimmten ABlaufraedchen (35) ist ausgebildet mit einer Digitalendemodulationssendefunktechnik (355) dadurch gekennzeichnet dass, erfindungsgemaesse, bevorzugte, herausziehbare, unterteilte, durchsichtige U–Profile (41) die aus glasverstaerkten Kunststoff (144) mit einer Titanlegierung bestehen, ueber neun senkrechte, nebeneinanderlaufende viereckige Einlaesse, Nut (42) hintereinander, hereingeschoben werden in die viereckige Grundflaeche der Autoscheibenwetterschutztechnik (1). Sie besteht aus glasverstaerkten Kunststoff (144) mit einem photochomatischen Toenungseffekt einer Kristallstruktur aus Silberbromid (48), Silberchloridkristallen (49). Die senkrecht laufenden Faltkannten (43) befinden sich zwischen jeden U–Profil (41). Vier Identifikationssensoren (44) sind angeordnet zwischen jeden zweiten senkrechten U–Profil (41). Mit weiteren senkrechten zwischen Abstand fuenf Regentropfensensoren (45) eingesetzt sind, fuenf Solarmodule (46) an den oberen Faltkannten (43) angeordnet. Die Auf–Abwicklungstechnik (50) besteht aus einer senkrechten Verbindungsachse (51) die je an beiden gegenueberstehenden Enden mit einer kreisf. Ablauf–Aufrollfuehrung (52) ausgebildet ist, wobei die untere mit acht kreisf. Durchlassen (53) gekennzeichnet ist ausgebildet mit einem Gewinde (54) fuer ein kreisf. Auffanggefaess (55) zwei zylinderfoermige angeordnete Halterungen mit U–Ausschnitt (56) sind auf den Innenwandungen (58) der kreisf. Ablauf–Aufrollfuehrung (52) angesetzt. Erfindungsgemaess ist ein in der Hoehe verminderter Seitendachpfosten (59) mit einer genialen, beweglichen, konstruktiven, gebogenden Rippenkonstruktion (64) beweglichen, laenglichen Gummikannten (60), (61) angeordnet. Zweckmaessigerweise ist eine zu oeffnende Staukammer (165) mit sortierten Ersatz U–Profile (41) angeordnet im Innenraum der

Fahrerseite. Der Autoinnenseitensonnenschutz (175) aus dem Automobilinnendach besteht aus U−Profilen (360), Solarmodulen (359) mit Chrombeschichtung (163) sechs Faltkannten (43) zusaetzlich mit vier integierten Gummiablaufraedchen (164). An den oberen aussen Wandungen ist ein kreisf. Gewinde (165) ausgebildet mittig angesetzt, vorzugsweise fuer eine biegsame schiebe−zieh Spiralenvorrichtung (164) kreisf. Gummibezug (167) mit zehn inbehaltenden kleinen kreisf. Aluminiumoeffnungen (168) zwei Drehverschluessen (169), (170) wobei an den gegenueberliegenden Enden herausdrehbare, halbkreisfoermige Gummikugeln (176), (177) mit Gewinde angeordnet sind die zu Pufferung dienen. Die mechanische Antriebsache (171) ist ausgebildet mit einem hoehenverstellbaren Antriebszahnraedchen (172). Zweckmaessig ist die versenkbare Emfangsantenne vorteilhaft ausgebildet mit einem zylinderfoermigen Aussentemperaturmesssensor (354) (max. 25 Grad) Aktivierung bei Zentralverriegelung einer Digitalendemodulationsfunkempfangstechn. (177) die... The method involves forming a U−profile (41) from glass reinforced plastic with titanium alloy and photochromatic toning effect of a crystal structure of silver bromide and with silver chloride crystals. A movable vertical side roof post is formed with a curved rib structure. Five raindrop sensors (45) are inserted in spacings. Five solar modules (46) are arranged at upper fold edges. Three charging current transfer contacts are arranged at a power guiding line. A right insertion shaft is formed at a circular travel charge current plug device, which is arranged in an upper unfolded plane. The power guiding line is extended and retracted by rolling function. A direct current motor (24) is equipped with an LED demodulation system. A semiconductor laser is provided with yttrium−aluminum−garnet crystals.

0) US2010122548A – REFRIGERATOR RELATED TECHNOLOGY

153) Family number: 45000314 (US2010122548A) © PatBase

Title: REFRIGERATOR RELATED TECHNOLOGY

Priority: EP20090827735 20091119 KR20080115388 20081119 WO2009KR06815 20091119

Family:

Publication number	Publication date	Application number	Application date
AU2009318293 AA	20100527	AU20090318293	20091119
AU2009318293 BB	20130110	AU20090318293	20091119
CN102203529 A	20110928	CN200980144104	20091119
CN102203529 B	20130918	CN200980144104	20091119
EP2356388 A2	20110817	EP20090827735	20091119
EP2356388 A4	20140312	EP20090827735	20091119
EP2356388 B1	20170405	EP20090827735	20091119
KR101592302 B1	20160218	KR20080115388	20081119
KR20100056294 A	20100527	KR20080115388	20081119
MX2011004029 A1	20110519	MX20110004029	20091119
TR201709897 T4	20170721	TR20170009897T	20091119
US2010122548 AA	20100520	US20090607112	20091028
US8495891 BB	20130730	US20090607112	20091028
WO10058970 A2	20100527	WO2009KR06815	20091119
WO10058970 A3	20100729	WO2009KR06815	20091119

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** KIM BONG JIN ; KIM DONG JEONG ; LG ELECTRONICS INC ; SEO CHANG HO

Inventor(s):(std)**:** BONG JIN KIM ; CHANG HO SEO ; DONG JEONG KIM ; KIM BONG JIN ; KIM DONG JEONG ; SEO CHANG HO

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; TER MEER STEINMEISTER AND PARTNER GBR; TER MEER STEINMEISTER AND PARTNER; OKTAY SIMSEK; FISH AND RICHARDSON PC; PARK JANG WON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): F25C5/18 F25D23/00 F25D23/02 F25D23/04 F25D25/02 (Advanced/Invention); F25D23/00 F25D23/04 (Advanced/Non–invention); F25C5/00 F25D23/00 F25D23/02 F25D23/04 F25D25/02 (Core/Invention)

CPC: F25C2400/10 F25D23/04

European class: F25D23/04 R25C400/10

US class: 62/344 62/344P 62/377 62/377S 62/440 62/449 62/449S 623/44

Classification Explorer

Cited documents: US7493777 BB, US7458230 BB, US7392665 BB, US7272949 BB, US7240511 BB, US7240510 BB, US7222498 BB, US7111914 BB, US7076967 BB, US7004334 BB, US6945068 BB, US5096272 A, US2008209938 AA, US2006260352 AA, US2006196214 AA, US2006152123 AA, US2006096310 AA, KR2008020126 A, KR2008016032 A, KR20080020126 A, KR20080016032 A, KR20070062212 A, KR20070062212, KR20040059050 A, KR200144379 Y1, KR200144379, KR2001047668 A, KR2001044379 A, KR20010047668 A, KR20010044379 A, JP58069781 U1, JP58069781 U, JP57109492 U1, JP57109492 U, JP54120749 U1, JP54120749 U, FR2547032 A3, CN201043839 Y, CN101074822 A, CA2453763 AA,

Forward Citations: US9175896, US2016238302, US2011146335, US2011146326,

Abstract:
Source: US2010122548A Disclosed is a refrigerator including a refrigerator main body having a cooling chamber. The refrigerator also includes a refrigerating chamber door positioned at the refrigerator main body and configured to open and close at least a portion of a refrigerating chamber. The refrigerator further includes an ice chamber disposed at an inner surface of the refrigerating chamber door containing ice. In addition, the refrigerator includes a door basket configured to be attached to an outer surface of the ice chamber and having a non−contact to portion positioned at a surface facing the ice chamber.

0) US2017119145A – APPLICATOR TOOL CLEANER AND DRYER

154) Family number: 65565025 (US2017119145A) © PatBase

Title: APPLICATOR TOOL CLEANER AND DRYER

Priority: US20150249757P 20151102 US20160337951 20161028

Family:

Publication number	Publication date	Application number	Application date
US2017119145 AA	20170504	US20160337951	20161028

Probable Assignee: KML LIFESTYLES LLC

Assignee(s):(std)**:** KML LIFESTYLES LLC

Inventor(s):(std)**:** MUNOZ KEIRI E

International class (IPC 8–9): A46B17/06 A61L2/10 B08B3/08 B08B3/12 F26B3/02 F26B9/00 (Advanced/Invention)

CPC: A46B17/065 F26B3/02 F26B9/003 A61L2/10 F26B25/22 A61L2202/17

Classification Explorer

Abstract:
Source: US2017119145A Apparatuses and methods of cleaning and drying applicator tools, such as brushes, cosmetic applicators, or cosmetic tools, are disclosed. An applicator tool cleaning apparatus according to various embodiments includes an applicator tool holder configured to hold multiple applicators of various sizes with the applicator heads facing down. The applicator tool cleaning apparatus further comprises a cleaning chamber that can dispense liquid to saturate the applicator heads and contact the applicator heads with a textured surface to dislodge collected materials on the applicator heads. Additionally, the applicator tool cleaning apparatus may comprise a drying chamber where drying mechanisms blow air or dissipate heat at the applicator heads until dried. The applicator tool holder may be moved vertically between the cleaning chamber and the drying chamber via a motor and drive mechanism of the applicator tool cleaning apparatus. Alternatively, in some embodiments, the applicator tool holder may be flipped such that the applicator heads are facing upwards and aligned with the drying mechanisms.

0) US2004038275A – HUMAN FREZZLED–LIKE PROTEIN

155) Family number: 11304795 (US2004038275A) © PatBase

Title: Human frezzled–like protein

Priority: US19970055715P 19970812 US19980081438P 19980410 WO1998US16701 19980811 US20030610917 20030702 US20000610650 20000630 US19980132315 19980811

Family:

Publication number	Publication date	Application number	Application date
AU199890175 A1	19990308	AU19980090175	19980811
CA2300390 AA	20000211	CA19982300390	19980811
EP1012262 A1	20000628	EP19980942038	19980811
EP1012262 A4	20021106	EP19980942038	19980811
JP2001514883 T2	20010918	JP20000509818T	19980811
US2004038275 AA	20040226	US20030610917	20030702
WO9909152 A1	19990225	WO1998US16701	19980811

Probable Assignee: HUMAN GENOME SCIENCES INC

Assignee(s):(std)**:** HUMAN GENOME SCIENCES INC ; OLSEN HENRIK S ; RUBEN STEVEN M

Inventor(s):(std)**:** OLSEN HENRIK S ; RUBEN STEVEN M

Inventor(s): STEVEN M RUBEN ; HENRIK S OLSEN

Agent(s): GOWLING LAFLEUR HENDERSON LLP

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

International class (IPC 8–9): A61K31/7088 A61K38/00 A61K39/395 A61K45/00 A61K48/00 A61P17/02 A61P7/00 C07H21/02 C07H21/04 C07K14/00 C07K14/47 C07K16/18 C12N1/21 C12N15/00 C12N15/09 C12N15/11 C12N15/63 C12N5/10 (Advanced/Invention); A61K31/7088 A61K38/00 A61K39/395 A61K45/00 A61K48/00 A61P7/00 C07K16/18 C12N1/21 C12N15/09 C12N5/10 (Advanced/Non–invention)

International class (IPC 1–7): A61K31/7088 A61K38/00 A61K39/395 A61K45/00 A61K48/00 A61P17/02 A61P7/00 C07H21/02 C07H21/04 C07K14/00 C07K14/47 C07K14/705 C07K16/18 C12N1/21 C12N15/00 C12N15/00 C12N15/09 C12N15/11 C12N15/63 C12N5/10 C12Q1/68

CPC: C07K14/4702

European class: C07K14/47A1 M07K203/00 M07K205/00 M07K207/00 M07K213/00 M07K215/00

US class: 435/320.1 435/320.100S 435/325 435/325S 435/6 435/6.16 435/6.160P 435/69.1 435/69.100S 435/6P 530/350 530/350S 536/23.5 536/23.500S

Classification Explorer

Cited documents: EP0887406 A2, EP0879881 A1,

Forward Citations: WO08125869, US9321997, US8735355, US8334260, US8158603, US7947651, US7807355, US7488710, US7223853, US7033755, JP2009513106, EP1198469,

Abstract:
Source: US2004038275A The present invention relates to a novel HFLP protein which is a member of the frizzled family. In particular, isolated nucleic acid molecules are provided encoding the human HFLP protein. HFLP polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of HFLP activity. Also provided are diagnostic methods for detecting cell growth and differentiation–related disorders and therapeutic methods for treating cell growth and differentiation–related disorders.

0) DE20016735U1 – MELDESYSTEM SIGNALLING SYSTEM (MACHINE TRANSLA...

156) Family number: 16342569 (DE20016735U1) © PatBase

Title: Meldesystem Signalling system (Machine translation)

Priority: DE20002016735U 20000928

Family:

Publication number	Publication date	Application number	Application date
DE20016735 U1	20001130	DE20002016735U	20000928

Probable Assignee: SPATZ MICHAEL

Assignee(s):(std)**:** SPATZ MICHAEL

International class (IPC 8–9)**:** B67D1/08 B67D1/12 G01F23/00 (Advanced/Invention); B67D1/00 (Advanced/Non–invention); B67D1/00 G01F23/00 (Core/Invention)

International class (IPC 1–7)**:** G01F23/00 G08B21/18 G08B7/00

CPC: G01F23/0061

European class: B67D1/08J B67D1/12E G01F23/00G L67D1/00Y40D

Classification Explorer

Forward Citations: WO12034590, WO05065509, US7783380, US7774096, EP1579789, DE202004004764, CN103118576, CN103118576,

Abstract:
Source: DE20016735U1 (Claim1) dadurch gekennzeichnet, dass das Meldesystem (1) Sensoren (5–8,39, 41) zur Feststellung desBefuellungsgrades und Mittel zur Datenuebertragung von den Sensoren (5–8,39, 41) zu einer Anzeigeeinheit (15,32) aufweist 2.

Machine translation: (Claim1) marked by that the signalling system (1) exhibits sensors (5–8.39, 41) for the statement of the filling degree and means to the data communication of the sensors (5–8.39, 41) to a display unit (15,32) 2.

0) US2006289582A – CONVERTIBLE DIAPER–CHANGING TOTE BAG

157) Family number: 34035164 (US2006289582A) © PatBase

Title: CONVERTIBLE DIAPER–CHANGING TOTE BAG

Priority: US20050688602P 20050608 US20060422835 20060607

Family:

Publication number	Publication date	Application number	Application date
US2006289582 AA	20061228	US20060422835	20060607

Probable Assignee: KILLILEA CHERIE

Assignee(s):(std)**:** KILLILEA CHERIE

Inventor(s):(std)**:** KILLILEA CHERIE

Agent(s): LEE AND HAYES PLLC

International class (IPC 8–9)**:** A45C15/00 A45F4/00 (Advanced/Invention); A45C15/00 A45F4/00 (Core/Invention)

CPC: A45C3/00 A45C7/0095 A45C9/00 A47D5/006

European class: A45C7/00D6 A45C9/00 A47D5/00D K45C3/00

US class: 224/575 224/577 224/581

Classification Explorer

Cited documents: US6327726 BA, US2007122066 AA, US2006254952 AA,

Forward Citations: USD641553, US9351553, US8564436, US8490230, US7761944, US7752692, US2014238560, US2012317722, US2012227878, US2011215026, US2011062202, US2011023236, US2009188881, US2009180715, US2009158527, US2009114690,

Abstract:
Source: US2006289582A Described herein are one or more implementations of a convertible diaper–changing tote bag. When unfurled into diaper–changing mode, the bag's fold–out diaper–changing pad is configured to fit onto a rigid horizontal changing platform (e.g., a changing station or changing table). As described herein, one or more implementations of the bag include at least one onmi–accessible storage receptacle that is accessible when the bag is both in diaper–changing mode (e.g., the pad is unfolded and in–place on the platform) and in tote mode (e.g., the pad is folded up).

0) US2008246741A – INPUT DEVICE, AND ELECTRO–OPTICAL DEVICE

158) Family number: 42270364 (US2008246741A) © PatBase

Title: INPUT DEVICE, AND ELECTRO–OPTICAL DEVICE

Priority: JP20070099088 20070405 JP20070099089 20070405 JP20070267467 20071015

Family:

Publication number	Publication date	Application number	Application date
CN101281312 A	20081008	CN200810090134	20080407
CN101281312 B	20110608	CN200810090134	20080407
JP2008257494 A2	20081023	JP20070099089	20070405
JP2008276729 A2	20081113	JP20070267467	20071015
JP4367514 B2	20091118	JP20070099089	20070405
JP4412383 B2	20100210	JP20070267467	20071015
KR100988677 B1	20101018	KR20080031146	20080403
KR20080091001 A	20081009	KR20080031146	20080403
TW200903074 A	20090116	TW20080112336	20080403
TWI464482 B	20141211	TW20080112336	20080403
US2008246741 AA	20081009	US20080044585	20080307
US9007309 BB	20150414	US20080044585	20080307

Probable Assignee: EPSON IMAGING DEVICES CORP

Assignee(s):(std)**:** EPSON IMAGING DEVICES CORP ; HINATA SHOJI ; JAPAN DISPLAY INC ; JAPAN DISPLAY WEST INC ; SEIKO EPSON CORP ; SONY CORP

Inventor(s):(std)**:** HINATA SHOJI ; HIUGA SHOJI ; SHOJI HINATA

Agent(s): HARNESS DICKEY AND PIERCE PLC; K AND L GATES LLP

International class (IPC 8–9): G02F1/13 G02F1/133 G02F1/1333 G06F1/16 G06F3/041 G06F3/042 G06F3/045 (Advanced/Invention);
G02F1/1333 G06F3/041 (Advanced/Non–invention);
G02F1/13 G06F3/041 (Core/Invention)

CPC: G06F3/045 G06F1/1643 G06F2200/1634 G06F3/041 G02F1/1333 G06F3/0412

European class: G06F3/045

US class: 345/173 345/173P 361/679.01

Classification Explorer

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Abstract:
Source: US2008246741A An input device includes an input panel, a cover member that is provided with a housing portion, in which the input panel is housed, and a film member that is disposed over a main surface of the input panel provided in the housing portion and a main surface of the cover member.

159) Family number: 15251975 (US2004107125A) © PatBase

Title: BUSINESS ALLIANCE IDENTIFICATION IN A WEB ARCHITECTURE

Priority: US19990320816 19990527 US20030662037 20030912 WO2000US14375 20000524

Family:

Publication number	Publication date	Application number	Application date
AU200051623 A5	20001218	AU20000051623	20000524
US2004107125 AA	20040603	US20030662037	20030912
US6721713 BA	20040413	US19990320816	19990527
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WO0073928 A2	20001207	WO2000US14375	20000524
WO0073928 A3	20010525	WO2000US14375	20000524

Probable Assignee: ACCENTURE GLOBAL SERVICES LTD

Assignee(s):(std)**:** ACCENTURE LLP ; ANDERSEN CONSULTING LLP

Assignee(s): ACCENTURE GLOBAL SERVICES GMBH ; ACCENTURE GLOBAL SERVICES LTD

Inventor(s):(std)**:** BARRESE JAMES J ; GUHEEN MICHAEL F ; MITCHELL JAMES D

Inventor(s): MICHAEL F GUHEEN ; JAMES J BARRESE ; JAMES D MITCHELL

Agent(s): BANNER AND WITCOFF LTD

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): G06F17/00 G06Q99/00 (Advanced/Invention); G06F17/00 G06Q99/00 (Core/Invention)

International class (IPC 1–7): G06F17/00 G06F17/60

CPC: G06Q99/00 G06Q50/01

European class: G06F17/60 G06Q50/01 G06Q90/00 G06Q99/00

US class: 705/1 705/1.1 705/319 705/319P 705/7 709/223 715/202 715/203 715/503

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Abstract:
Source: US2004107125A A system, method and article of manufacture are provided for identifying alliances among a plurality of business entities in components of a network framework. First, alliances are identified among a plurality of business entities in terms of components of a current network framework. Next, a pictorial representation is displayed of the current network framework and the components. The alliances are then conveyed by indicia coding the components of the current network framework in which the alliances exist.

0) US2001054595A – GOLF CLUB CLEANING RACK

160) Family number: 28139647 (US2001054595A) © PatBase

Title: GOLF CLUB CLEANING RACK

Priority: US20000593388 20000614 US20010842066 20010426

Family:

Publication number	Publication date	Application number	Application date
US2001054595 AA	20011227	US20010842066	20010426
US6299000 BA	20011009	US20000593388	20000614
US6394287 BB	20020528	US20010842066	20010426

Probable Assignee: CABRERA LUIS H

Assignee(s): CABRERA LUIS H

Inventor(s):(std)**:** CABRERA LUIS H

International class (IPC 8–9): A47B81/00 A63B57/00 (Advanced/Invention); A47B81/00 A63B57/00 (Core/Invention)

International class (IPC 1–7): A47F5/00 A47F5/08

CPC: A63B57/60 A47B81/005

European class: A47B81/00D A63B57/00W

US class: 211/104 211/118 211/70.2 211/70.200P 211/70.6 211/706 211/89.01 211/89.010S

Classification Explorer

Cited documents: USD384503 S1, USD367908 S1, USD364912 S1, USD350630 S1, USD308766 S1, US6299000 BA, US6032999 A, US5964346 A, US5957308 A, US5940918 A, US5915432 A, US5829604 A, US5738229 A, US5687979 A, US5560066 A, US5383555 A, US5295587 A, US5259497 A, US5213364 A, US5209539 A, US5155883 A, US5141113 A, US5121833 A, US4986427 A, US4965906 A, US4951339 A, US4899894 A, US4821358 A, US4387873 A, US4037765 A, US3748676 A, US2737990 A, US2621799 A, US1835632 A, US1719360 A, US1678353 A, FR2701657 A1, EP0488970 A1, CA2110481 C,

Forward Citations: WO06046967, USRE44568, USD753932, USD663971, USD643500, USD623407, USD617554, USD617097, USD615774, USD603189, USD577193, USD572476, USD571556, USD566423, USD562591, USD560360, USD538555, US9545151, US8720842, US8646625, US8584861, US8453852, US8292094, US8061536, US8056736, US8002124, US7938278, US7877920, US7810654, US7610724, US7007812, US6783013, US6474612, US6454875, US6394287, US2016157606, US2014360956, US2013340259, US2013032557, US2012261447, US2012181244, US2011233163, US2011226712, US2011174751, US2009114783, US2008264881, US2008121597, US2007102381, US2007084811, US2006011566, US2005005537, US2004171187, AU2005300063,

Abstract:
Source: US2001054595A A multiple golf club cleaning aid rack for cleaning clubs, which is a vertically arrayed, rectangular fabric sheet reinforced with a plurality of horizontal metal strips in pockets and supporting a double row of clamps for holding golf clubs vertically. The rack is suspended from clamps for cleaning by a power wash in car wash establishment. Suspending apertures are formed through the top of the rack for suspending it on a wall for use elsewhere, such as at home.

0) US2007130812A – WRAP–AROUND ADVERTISING DISPLAY

161) Family number: 34483142 (US2007130812A) © PatBase

Title: WRAP–AROUND ADVERTISING DISPLAY

Priority: US20050734750P 20051109 US20050734766P 20051109 US20060557539 20061108 US20060557603 20061108 US20060558031 20061109 US20050734767P 20051109 WO2006US60722 20061109 WO2006US60647 20061108 US20060773641P 20060216 US20060780869P 20060310 US20060796541P 20060502

Family:

Publication number	Publication date	Application number	Application date
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EP1952372 A2	20080806	EP20060839796	20061109
EP1952372 A4	20100526	EP20060839796	20061109
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US2007193097 AA	20070823	US20060557603	20061108
US7631450 BB	20091215	US20060557603	20061108
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WO07056767 A3	20080807	WO2006US60722	20061109
WO07056767 C2	20080619	WO2006US60722	20061109

Probable Assignee: MICRO TARGET MEDIA HOLDINGS INC

Assignee(s):(std)**:** BARNARD SUSAN ; DACHUK JOSEPH ; HESSEL IAN ; MICRO TARGET MEDIA HOLDINGS IN ; POPOWICH TERRANCE ; MILLER JEREMY ; PORTER RICHARD ; WOLANCZYK WALTER

Assignee(s): MICRO TARGET MEDIA HOLDINGS INC

Inventor(s):(std)**:** BARNARD SUSAN ; DACHUK JOSEPH ; HESSEL IAN ; MILLER JEREMY ; POPOWICH TERRANCE ; PORTER RICHARD ; WOLANCZYK WALTER

Agent(s): KRAMER – BARSKE – SCHMIDTCHEN; TORYS LLP; TUCKER ELLIS AND WEST LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47G1/06 G06Q30/00 G09F1/12 G09F15/00 G09F19/00 (Advanced/Invention); A47G1/06 (Core/Invention)

CPC: G09F15/0043 G06Q30/02 G06Q30/0251 G09F15/0012 G09F15/0018 G09F19/00 G09F19/22

European class: G06Q30/02 G06Q30/0251 G09F15/00B2 G09F15/00B3 G09F15/00B6 G09F19/00 G09F19/22

US class: 40/603 40/606.03 40/606.030P 40/606.17 40/732 40/766 40/766P 40/780 40/793 705/14 705/14.49 705/14.490P

Classification Explorer

Cited documents: USD452901 S1, US7159346 BA, US7143535 BA, US6920650 BB, US6823639 BB, US6779206 BA, US6763626 BA, US6668392 BB, US6423402 BA, US6418672 BA, US6349426 BA, US6041533 A, US5930928 A, US5918924 A, US5815971 A, US5735069 A, US5647074 A, US5605354 A, US5429148 A, US5419134 A, US5394631 A, US5377434 A, US5226251 A, US4805326 A, US4744111 A, US4726133 A, US4229891 A, US4123863 A, US3812609 A, US3803738 A, US3793756 A, US3589049 A, US3514886 A, US2007186165 AA, US2006137086 AA, US2006123535 AA, US2006123534 AA, US2006064910 AA, US2004249650 AA, US2003210140 AA,

US2003137086 AA, US2003033145 AA, US2002097193 AA, US2001034624 AA, US2001013016 AA, US190068 A, DE29921922 U1, DE10109626 A1,

Forward Citations: WO13188230, US9639829, US9530154, US9396672, US9361816, US9311831, US9284745, US9064019, US8970733, US8947254, US8700586, US8682713, US8553886, US8478515, US8010407, US8005613, US7962281, US7920968, US7917286, US2015302783, US2015186953, US2015040443, US2013335231, US2012221463, US2011295502, US2011252437, US2011141126, US2011047005, US2010299899, US2010293035, US2010275481, US2010174603, US2010169181, US2010020091, US2009284530, US2009259530, US2009149199, US2009012866, US2008289235, US2008178504, US2008154700, US2008154675, US2008109856, US2008098305, US2007233554, US2007140595, US2007100802, US2007016368, US2006137086, US2006123535, JP5182854, JP2009080785, EP2926332,

Abstract:
Source: US2007130812A Apparatus and methods useful for transforming exterior or interior walls, roofs, ceilings, and other surfaces of portable restrooms and other temporary, portable, or otherwise movable structures 10 into advertising billboards 26, 80.

0) US2007231467A – METHOD FOR MANUFACTURING LIGHT EMITTING DEVICE ...

162) Family number: 38525689 (US2007231467A) © PatBase

Title: METHOD FOR MANUFACTURING LIGHT EMITTING DEVICE AND METHOD FOR MANUFACTURING ELECTRONIC APPARATUS

Priority: JP20060077832 20060320

Family:

Publication number	Publication date	Application number	Application date
JP2007257898 A2	20071004	JP20060077832	20060320
KR20070095194 A	20070928	KR20070024559	20070313
US2007231467 AA	20071004	US20070688128	20070319

Probable Assignee: SEIKO EPSON CORP

Assignee(s):(std)**:** SEIKO EPSON CORP

Inventor(s):(std)**:** SHINOHARA HOMARE ; SHINOHARA TAKASHI ; TAKASHIMA TAKESHI ; TERAO KOICHI

Agent(s): OLIFF AND BERRIDGE PLC

International class (IPC 8–9): B05D5/06 B05D5/12 H01L51/50 H05B33/10 H05B33/12 H05B33/14 (Advanced/Invention); B05D5/06 B05D5/12 H01L51/50 H05B33/10 H05B33/12 H05B33/14 (Core/Invention)

CPC: H01L27/3295 H01L51/0003 H01L51/0035 H01L51/5048 H01L27/3211 H05B33/10 H05B33/14

European class: H01L51/00A2B

US class: 427/64 427/66

Classification Explorer

Cited documents: US7445825 BB, US2006249712 AA,

Forward Citations: WO15041053, WO09082610, WO09082609, US9088010, US8163402, US7955720, US2010276639, US2010264370, TWI428359, KR101537429, KR101537428, JP5756761, JP2015041053, JP2011210408, JP2009123362, CN105393642,

Abstract:
Source: US2007231467A A method for manufacturing a light emitting device includes:forming a first coated film including a light emitting compound and a carrier transporting compound on a surface of a first electrode, the light emitting compound including a light emitting moiety that has luminescent characteristics emitting light of a first color and a polymerizable group that has photopolymerization characteristics and the carrier transporting compound including a carrier transporting moiety that has carrier transporting characteristics and a polymerizable group that has photopolymerization characteristics; forming a first light emitting layer by polymerizing between the compounds in the first coated film under light irradiation on the first coated film to harden a light−irradiated region thereon; removing a region other than the light−irradiated region on the first coated film; forming a second coated film including a light emitting compound and a carrier transporting compound on the surface of the first electrode, the light emitting compound including a light emitting moiety that has luminescent characteristics emitting light of a second color different from the first color and a polymerizable group that has photopolymerization characteristics and the carrier transporting compound including a carrier transporting moiety that has carrier transporting characteristics and a polymerizable group that has photopolymerization characteristics; forming a second light emitting layer by polymerizing between the compounds in the second coated film under light irradiation on the second coated film to harden a light−irradiated region thereon; removing a region other than the light−irradiated region on the second coated film; and providing a second electrode on a side opposite to the first electrode having the light emitting layers.

0) US2009157467A – METHOD AND APPARATUS FOR CONTROLLING ACCESS TO ...

163) Family number: 43385229 (US2009157467A) © PatBase

Title: METHOD AND APPARATUS FOR CONTROLLING ACCESS TO AND GENERATING REVENUE FROM A PORTABLE LAVATORY

Priority: US20070002035 20071214

Family:

Publication number	Publication date	Application number	Application date
US2009157467 AA	20090618	US20070002035	20071214

Probable Assignee: BRAXTON EARL J

Assignee(s):(std)**:** BRAXTON EARL J

Inventor(s):(std)**:** BRAXTON EARL J

Agent(s): VAN OPHEM AND VANOPHEM PC REMY J VANOPHEM PC

International class (IPC 8–9)**:** G06Q10/00 (Advanced/Invention); G06Q10/00 (Core/Invention)

CPC: E04H1/1216 G06Q10/0631

European class: E04H1/12B2 G06Q10/0631

US class: 705/1 705/1.1 705/7.12 705/7.120P 705/9

Classification Explorer

Cited documents: US5913610 A,

Forward Citations: US2009254357,

Abstract:
Source: US2009157467A A method and apparatus for controlling access to and generating revenue from a portable lavatory. The portable lavatory is placed at a predetermined location and a barrier is established around the portable lavatory to block unauthorized access to the portable lavatory. An entrance or passageway is provided through the barrier enabling access to the portable lavatory. Passes are distributed to those individuals desiring to utilize the portable lavatory and upon presentation of the passes to an attendant stationed at the entrance or passageway, the individuals are granted access to the portable lavatory. By charging individuals to obtain a pass the portable lavatory generates revenue.

0) US2013085411A – METHODS AND SYSTEMS FOR HEARING TESTS

164) Family number: 53426242 (US2013085411A) © PatBase

Title: METHODS AND SYSTEMS FOR HEARING TESTS

Priority: US20110250781 20110930 WO2012US57773 20120928

Family:

Publication number	Publication date	Application number	Application date
AU2012315836 AA	20130404	AU20120315836	20120928
AU2012315836 BB	20140410	AU20120315836	20120928
BR112014007787 A2	20170411	BR20141107787	20120928
TW201320966 A	20130601	TW20120136099	20120928
TWI528941 B	20160411	TW20120136099	20120928
US2013085411 AA	20130404	US20110250781	20110930
US8968209 BB	20150303	US20110250781	20110930
WO13049473 A1	20130404	WO2012US57773	20120928

Probable Assignee: UNITEDHEALTH GROUP INC

Assignee(s):(std)**:** UNITEDHEALTH GROUP INC ; UNITEDHEALTH GROUP INCORPORTATED ; UNITEDHEATH GROUP INC ; VAN TASELL DIANNE J

Inventor(s):(std)**:** DIANNE J VAN TASELL ; VAN TASELL DIANNE J

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; NORTON ROSE FULBRIGHT US LLP; SMITH DARREN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B5/00 A61B5/12 H04R29/00 (Advanced/Invention)

CPC: A61B5/12

US class: 600/559

Classification Explorer

Cited documents: US8031892 BB, US7399282 BB, US6648820 BA, US6524619 BB, US6496585 BA, US6496585, US6447461 BA, US6447461, US4284847 A, US4038496 A, US2011106508 AA, US2011075853 AA, US2011051942 AA, US2011029111 AA, US2011009770 AA, US2010266153 AA, US2010234757 AA, US2010217149 AA, US2010131032 AA, US2010128911 AA, US2010020988 AA, US2010005420 AA, US2009154745 AA, US2008243211 AA, US2008123886 AA, US2007003077 AA, US2005018858 AA, US2004049125 AA, US2002061870 AA,

Forward Citations: WO17087053, WO16005415, US9338566, US2014270190, DE102014112098,

Abstract:
Source: US2013085411A An apparatus, system, and method for hearing tests are disclosed. In one embodiment, the method determines a set of candidate audiograms for a user. In one embodiment, the method includes estimating the slope of hearing level of a user. The method also includes estimating a pure tone average for the user based on the answers of the user to a questionnaire. The gender of the user is also determined. The gender, estimated slope, estimated pure pone average of the user are used to estimate the most possible audiograms from a set of predetermined candidate audiograms. A hearing aid is programmed based on the estimated audiograms for the user. The programmed hearing aid has several settings, each based on the estimated audiograms, for the user to choose from.

0) US2002079333A – SELF–DRAINING DISHWASHING CADDY

165) Family number: 28219531 (US2002079333A)

© PatBase

Title: Self–draining dishwashing caddy

Priority: US20000746938 20001221

Family:

Publication number	Publication date	Application number	Application date
US2002079333 AA	20020627	US20000746938	20001221
US6530502 BB	20030311	US20000746938	20001221

Probable Assignee: NEAL MYLENE

Assignee(s):(std)**:** NEAL MYLENE

Inventor(s):(std)**:** NEAL MYLENE

International class (IPC 8–9): A47L17/00 (Advanced/Invention); A47L17/00 (Core/Invention)

International class (IPC 1–7): B67D1/07

CPC: A47L17/00

European class: A47L17/00

US class: 222/108 222/135 222/192

Classification Explorer

Cited documents: USD416728 S1, USD414362 S1, USD351042 S1, USD341973 S1, US5865325 A, US5690255 A, US5413251 A, US5238106 A, US5156450 A, US5014860 A, US4934640 A, US3920164 A, US3228737 A,

Forward Citations: USD634140, USD628418, USD604976, USD553888, USD532637, US9247860, US8763818, US8752715, US8251110, US7856738, US7748566, US7726521, US7665634, US7178693, US2014075691, US2010288659, US2009166232, US2007267551, US2007267446, US2006169654, US2005211729, US2005033259, US2004060829,

Abstract:
Source: US2002079333A A dishwashing caddy is constructed with internal volumes for holding soap liquid and lotion as well as compartments for storing cleaning brushes and the like. The top surface is strongly slanted forward and the bottom internal partition is also slanted forward to dispense water through weep holes. Pump action dispensing of the liquids is accomplished. Suction cups mount the unit to a wall or hold it in place while on the sink or other support.

166) Family number: 54126351 (US2013153873A) © PatBase

Title: FILM–FORMING INK, FILM–FORMING METHOD, METHOD OF MANUFACTURING LIGHT EMITTING ELEMENT, LIGHT EMITTING ELEMENT, LIGHT EMITTING DEVICE, AND ELECTRONIC APPARATUS

Priority: JP20110278881 20111220 JP20110278882 20111220

Family:

Publication number	Publication date	Application number	Application date
CN103173060 A	20130626	CN201210559260	20121220
CN103173060 B	20170531	CN201210559260	20121220
JP2013131573 A2	20130704	JP20110278881	20111220
JP2013131574 A2	20130704	JP20110278882	20111220
JP6078947 B2	20170215	JP20110278882	20111220
JP6106917 B2	20170405	JP20110278881	20111220
KR20130071376 A	20130628	KR20120147028	20121217
TW201326365 A	20130701	TW20120148500	20121219
TWI563065 B	20161221	TW20120148500	20121219
US2013153873 AA	20130620	US20120715428	20121214
US9331295 BB	20160503	US20120715428	20121214

Probable Assignee: SEIKO EPSON CORP

Assignee(s):(std)**:** SEIKO EPSON CORP

Assignee(s): SEIKO EPSON CORPORATION

Inventor(s):(std)**:** TAKIGUCHI HIROSHI ; WATANABE SHOTARO

Agent(s): OLIFF PLC

International class(IPC 8–9)**:** B05D3/02 C09D11/00 C09D11/02 C09K11/06 H01L51/00 H01L51/50 H01L51/54 H01L51/56 H05B33/10 H05B33/12 H05B33/14 (Advanced/Invention)

CPC: H01L51/50 H01L51/0007 H01L51/56 H01L2227/323 H01L51/0005 H01L51/0037 H01L51/0039 H01L51/0042 H01L51/0043 H01L51/0085 H01L51/5056 H01L2251/308

US class: 1/1 252/500 257/40 438/46 438/99

Classification Explorer

Cited documents: WO11021385 A1, WO11021385, WO10058777 A1, WO10058777, WO09087966 A1, WO09087966, US7462405 BB, US6630017 BB, US6627364 BB, US5091004 A, US2009256117 AA, US2009103284 AA, US2009102365 AA, US2007167538 AA, US2007123607 AA, TW200943602, JP77958, JP63264684 A2, JP63264684, JP348287, JP277602, JP272588, JP206120, JP2011516695 T2, JP2011516695, JP2011171243 A2, JP2010206120 A2, JP2010080058 A2, JP2010080058, JP2009277602 A2, JP2009272588 A2, JP2009163170 A2, JP2009163170, JP2008077958 A2, JP2007169492 A2, JP2007169492, JP2007087847 A2, JP2007087847, JP2006348287 A2, JP2006344544 A2, JP2006344544, JP2006175307 A2, JP2006175307, JP2000310706 A2, JP2000310706, JP171243,

Forward Citations: WO17080324, WO16117392, US9087797, US2016181532, US2014225118, JP2015076220, CN105393642,

Abstract:
Source: US2013153873A A film–forming ink according to an embodiment of the invention includes a film–forming material; and a liquid medium which dissolves or disperses the film–forming material, in which the liquid medium contains an ether compound represented by Formula (I).

0) US2003130567A – HEALTH–RELATED DEVICES AND METHODS

167) Family number: 28826385 (US2003130567A) © PatBase

Title: HEALTH–RELATED DEVICES AND METHODS

Priority: US20000224646P 20000811 US20000224646P 20000811 US20020347134P 20020109 US20020362030P 20020306 US20030339262 20030110 US20030338391 20030108 WO2003US01329 20030109 WO2003US01328 20030109 US20030344217 20030311 WO2001US41689 20010813

Family:

Publication number	Publication date	Application number	Application date
AU2001287175 AA	20020225	AU20010287175	20010813
AU200187175 A5	20020225	AU20010087175	20010813
AU2003203029 AA	20030730	AU20030203029	20030109
AU2003203029 AH	20030730	AU20030203029	20030109
AU2003210541 AA	20030730	AU20030210541	20030109
AU2003210541 AH	20030730	AU20030210541	20030109
US2003130567 AA	20030710	US20030338391	20030108
US2003130595 AA	20030710	US20030339262	20030110
US2004254501 AA	20041216	US20030344217	20030311
WO0213679 A2	20020221	WO2001US41689	20010813
WO0213679 A3	20020516	WO2001US41689	20010813
WO03060650 A2	20030724	WO2003US01328	20030109
WO03060650 A3	20040923	WO2003US01328	20030109
WO03060651 A2	20030724	WO2003US01329	20030109
WO03060651 A3	20050602	WO2003US01329	20030109

Probable Assignee: MICROLIFE CORP

Assignee(s):(std): HEALTHETECH INC ; KILBOURN THOMAS ; MAULT JAMES R ; MOYER GEOFFREY G ; SANDYS CHRISTOPHER L

Assignee(s): MICROLIFE CORP

Inventor(s):(std): KILBOURN THOMAS ; MAULT JAMES R ; MOYER GEOFFREY G ; SANDYS CHRISTOPHER L

Inventor(s): THOMAS KILBOURN ; CHRISTOPHER L SANDYS ; GEOFFREY G MOYER ; JAMES R MAULT

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): A61B5/00 A61B5/083 A61M21/00 (Advanced/Invention); A61B5/083 A61B5/087 A61B5/117 A61B5/22 (Advanced/Non–invention); A61B5/00 (Core/Invention); A61B5/08 A61B5/117 A61B5/22 (Core/Non–invention)

International class (IPC 1–7): A61B10/00 A61B5/00 A61B5/08 A61B5/103 A61B5/117 G06F17/60

CPC: A61B5/087 A61B5/486 A61M21/00 A61M2021/0027 A61M2021/0044 G06F19/3481 A61B5/002 A61B5/0022 G06F19/3418 A61B5/0008 A61B5/083 A61B5/117 A61B5/222 A61B2560/0276 A61B2560/0475

European class: A61B5/00B A61B5/083 A61B5/48S A61M21/00 G06F19/00A G06F19/34C G06F19/34N K61B5/00B3D K61B5/083 K61B5/087 K61B5/117 K61B5/22B2 K61B560/02H4 K61B560/04M K61M21/00A5 K61M21/00A6

US class: 600/300 600/300P 600/567 600/567P 600/587 600/587P

Classification Explorer

Cited documents: US6602469 BA, US6595929 BB, US6506608 BB, US6475158 BA, US6468222 BA, US6402698 BA, US6309360 BA, US6277645 BA, US6254527 BA, US6223137 BA, US6135107 A, US6097981 A, US6081742 A, US6067468 A, US6026322 A, US6024575 A, US6017302 A, US5954630 A, US5899867 A, US5836300 A, US5830121 A, US5777238 A, US5741217 A, US5720619 A, US5690692 A, US5681259 A, US5680310 A, US5676633 A, US5662117 A, US5658322 A, US5647370 A, US5645071 A, US5620463 A, US5503151 A, US5465729 A, US5419326 A, US5409445 A, US5352181 A, US5343871 A, US5304112 A, US5302228 A, US5289438 A, US5266070 A, US5219322 A, US5214966 A, US5213562 A, US5179958 A, US5178155 A, US5163439 A, US5151080 A, US5135468 A, US5081986 A, US5038792 A, US4969867 A, US4917108 A, US4914959 A, US4911256 A, US4911175 A, US4909259 A, US4895163 A, US4894793 A, US4891756 A, US4880014 A, US4863067 A, US4857716 A, US4856531 A, US4855945 A, US4855942 A, US4853854 A, US4850371 A, US4834701 A, US4823808 A, US4819656 A, US4807169 A, US4803625 A, US4798538 A, US4796639 A, US4796182 A, US4781184 A, US4777937 A, US4771791 A, US4757453 A, US4756670 A, US4753245 A, US4731726 A, US4709331 A, US4686624 A, US4665926 A, US4658832 A, US4650218 A, US4648396 A, US4632126 A, US4629015 A, US4619269 A, US4608995 A, US4598700 A, US4577710 A, US4575804 A, US4572208 A, US4571682 A, US4566461 A, US4463764 A, US4456347 A, US4444201 A, US4440177 A, US4425805 A, US4423792 A, US4387777 A, US4386604 A, US4380802 A, US4368740 A, US4366873 A, US4359057 A, US4353375 A, US4341867 A, US4335710 A, US4321674 A, US4318447 A, US4273119 A, US4244020 A, US4230108 A, US4224952 A, US4221224 A, US4212079 A, US4211239 A, US4200094 A, US4197857 A, US4192000 A, US4188946 A, US4186735 A, US4159416 A, US4151668 A, US4124022 A, US4117834 A, US4113039 A, US4101071 A, US4100401 A, US4078554 A, US4051847 A, US4008712 A, US4003396 A, US3991304 A, US3979480 A, US3972038 A, US3967690 A, US3962917 A, US3938551 A, US3895630 A, US3834375 A, US3814091 A, US3799149 A, US3726270 A, US3681197 A, US3527205 A, US3523529 A, US3356368 A, US3306283 A, US3250270 A, US3220255 A, US3213684 A, US2920012 A, US2911825 A, US2869357 A, US2838399 A, US2831348 A, US2826912 A, US2630798 A, US2007294108 AA, US2003055321 AA, US2002103672 AA,

Forward Citations: WO16161450, WO15060933, WO13040440, WO12170225, WO12061472, WO12061472, WO10070569, WO09097548, WO08157017, WO08118406, WO08034913, WO08034913, WO08031861, WO08014131, WO08014130, WO07103835, WO07092052, WO07092052, WO07079068, WO07079068, WO05079161, WO05079161, US9693724, US9693696, US9687187, US9675774, US9568354, US9549680, US9546898, US9538948, US9526920, US9525547, US9498137, US9439593, US9432182, US9411943, US9390458, US9363507, US9358358, US9277876, US9262588, US9258670, US9227034, US9204795, US9180270, US9132250, US9119925, US9114054, US9069380, US9043817, US9013312, US8985099, US8968194, US8959617, US8955518, US8939152, US8925545, US8924878, US8920343, US8870791, US8852097, US8824835, US8816861, US8781548, US8776793, US8770193, US8756673, US8738395, US8725529, US8712794, US8706518, US8695591, US8694330, US8689346, US8689102, US8679011, US8677999, US8659423, US8597198, US8573219, US8567399, US8555882, US8555881, US8554690, US8542122, US8539573, US8529457, US8515515, US8502681, US8499252, US8453645, US8452367, US8452063, US8446275, US8443294, US8433116, US8418694, US8412297, US8390455, US8381987, US8381729, US8364220, US8361801, US8358210, US8348853, US8335992, US8320961, US8257274, US8223021, US8200320, US8184001, US8136527, US8115635, US7982619, US7979102, US7974702, US7936275, US7914425, US7899509, US7877127, US7877126, US7846067, US7822453, US7813779, US7809420, US7809156, US7722247, US7668588, US7666137, US7648268, US7616122, US7507206, US7507021, US7488317, US7482936, US7452336, US7273453, US7250863, US7247023, US6939038, US2016007911, US2015223741, US2015079561, US2014336523, US2014296652, US2014053279, US2014014720, US2013143182, US2013113628, US2013023719, US2013018668, US2011210984, US2011209212, US2011206378, US2011159923, US2011103660, US2011087137, US2010324427, US2010286488, US2010274104, US2010266995, US2010240945, US2010169260, US2010169259, US2010168602, US2010168529, US2010164729, US2010163041, US2010163040, US2010163039, US2010163038, US2010163037, US2010163036, US2010163035, US2010163034, US2010163033, US2010163029, US2010163028, US2010163027, US2010163026, US2010163025, US2010163024, US2010163020, US2010109877, US2010076275, US2010041062, US2010014635, US2010004516, US2009270689, US2009259111, US2009251296, US2009247836, US2009184821, US2009177249, US2008319510, US2008294370, US2008293027, US2008268413, US2008244721, US2008243702, US2008239920, US2008112464, US2008097176, US2008084911, US2008042854, US2008031838, US2007282176, US2007234215, US2007233613, US2007233612, US2007232455, US2007232453, US2007232451, US2007230703, US2007229678, US2007208262, US2007208233, US2007208232, US2007185405, US2007174898, US2007173730, US2007088228, US2007038933,

US2007036470, US2007015552, US2006259328, US2006258917, US2006252600, US2006205564, US2006149227, US2006066451, US2006047179, US2005228239, US2005083993, US2005065452, US2004235522, US2004049172, US2004002041, JP2009525774, JP2009522002, EP3075313, EP3024389, EP3024389, EP2455900, EP2198911, EP1970004, EP1968443, EP1968443, EP1802234, EP1774903, EP1774903, EP1637063, CN102781495, CN102247124,

Abstract:
Source: US2003130567A A device, comprises an electrical circuit, comprising a processor, a memory, and a clock, operable to determine a physiological parameter of a user from a physiological signal; a counter, having a count number decremented by an operation of the electrical circuit to determine the physiological parameter; and a software program, executable by the processor, operable to receive an authorization code, to determine an increment number from the authorization code, and to change the count number by the increment number, wherein the device can be used a greater number of times by the user after receipt of the authorization code.

168) Family number: 32360746 (US2005236101A) © PatBase

Title: METHOD OF MANUFACTURING ORGANIC ELECTRO LUMINESCENT DEVICE, AND ELECTRONIC APPARATUS

Priority: JP20040131585 20040427

Family:

Publication number	Publication date	Application number	Application date
CN1691848 A	20051102	CN200510067676	20050425
JP2005317273 A2	20051110	JP20040131585	20040427
JP4300476 B2	20090722	JP20040131585	20040427
KR100702025 B1	20070330	KR20050033909	20050425
KR20060045824 A	20060517	KR20050033909	20050425
TW200601882 A	20060101	TW20050111060	20050407
TWI268734 B	20061211	TW20050111060	20050407
US2005236101 AA	20051027	US20050103630	20050412

Probable Assignee: SEIKO EPSON CORP

Assignee(s):(std)**:** SEIKO EPSON CORP

Inventor(s):(std)**:** HIDEKAZU KOBAYASHI ; KOBAYASHI HIDEKAZU

Agent(s): TANAKA KATSURO; OHGA SHINJI; INABA YOSHIYUKI; OLIFF AND BERRIDGE PLC

International class (IPC 8–9)**:** B32B1/00 H01L51/50 H01L51/52 H01L51/56 H05B33/04 H05B33/10 H05B33/14 (Advanced/Invention); H05B33/10 (Advanced/Non–invention); B32B1/00 H01L51/50 H05B33/04 H05B33/10 H05B33/14 (Core/Invention)

International class (IPC 1–7)**:** B32B1/00 H05B33/02 H05B33/04 H05B33/10 H05B33/14

CPC: H01L51/5246 H01L51/56 H05B33/10

European class: H01L51/52C H01L51/56

US class: 156/275.5 156/295

Classification Explorer

Cited documents: US7135090 BB, US7063758 BB, US7044185 BB, US6459462 BA, US6104457 A, US2006162856 AA, KR20030076623 A, JP5182759 A2, JP2004327197, JP2004296139, JP2003139954, JP2002216958, JP11283739,

Forward Citations: WO14071587, WO10110527, US9661718, US8241448, US7799584, US2008216952, US2008113191, US2005224156, TWI494220, KR20120037500, KR101726899, KR100707391, JP5593630, JP5314523, JP2013218198, JP2013167712, JP2011029368, JP2010244698, JP2009187941, JP2008016443, CN102903735, CN102474991,

Abstract:
Source: US2005236101A To bond a protection substrate on an organic EL element formation substrate using a curable resin without generating air bubbles in the curable resin in order to prevent oxygen or water from entering into an organic EL layer in an organic EL device. The protection substrate is supported at a plurality of locations by a plurality of support members. While individually adjusting the relative position of the support members to the element formation substrate, both substrates are bonded using the curable resin. At this time, the positions of the support members are controlled such that the curable resin is spread according to a predetermined pattern.

0) US2002130093A – PACKAGING SYSTEM FOR FROZEN ALLOGRAFT TISSUE FO...

169) Family number: 28290331 (US2002130093A) © PatBase

Title: PACKAGING SYSTEM FOR FROZEN ALLOGRAFT TISSUE FORMS

Priority: US20010799020 20010306

Family:

Publication number	Publication date	Application number	Application date
US2002130093 AA	20020919	US20010799020	20010306
US6854599 BB	20050215	US20010799020	20010306

Probable Assignee: MUSCULOSKELETAL TRANSPLANT FOUNDATION

Assignee(s):(std)**:** FERRARA RAYMOND G ; GERTZMAN ARTHUR A ; MERBOTH BABARA ; MUSCULOSKELETAL TRANSPLANT

Assignee(s): MUSCULOSKELETAL TRANSPLANT FOUNDATION ; MUSCULOSKELETAL TRANSPLANT FOUNDATION SUITE

Inventor(s):(std)**:** FERRARA JR RAYMOND G ; FERRARA RAYMOND G ; MERBOTH BABARA ; GERTZMAN ARTHUR A ; MERBOTH BARBARA

Agent(s): JOHN S; GIPPLE AND HALE

International class (IPC 8–9)**:** B65D5/20 B65D5/42 (Advanced/Invention); B65D5/20 B65D5/42 (Core/Invention)

International class (IPC 1–7)**:** A47F7/00 A61B17/06

CPC: A61F2310/00359 A61F2/0095 A61F2/28 B65D5/2057 B65D5/4204 B65D5/4233 B65D2203/06

European class: A61F2/00P B65D5/20E1 B65D5/42B B65D5/42E2 K61F2/28 L65D203/06

US class: 206/438 206/459.5 211/49.1

Classification Explorer

Cited documents: US5954202 A, US5924625 A, US5503324 A, US5040677 A, US4867372 A, US4863052 A, US4850488 A, US4763791 A, US4714595 A, US4674676 A, US4046311 A, US3776411 A, US3346168 A, US2981405 A, US2022906 A,

Forward Citations: USD729060, US8434288, US7874430, US7549255, US7546706, US2013200664, US2011024434, US2011023418, US2010051678, US2008314966, US2008047918, US2007062128,

Abstract:
Source: US2002130093A A container for storing and dispensing frozen allograft tissue packages comprising: a plurality of allograft tissue packages, a container housing for holding the plurality of frozen allograft tissue packages in a separated stacked array. The allograft tissue packages are of generally planar rectangular configuration with a waterproof coating to prevent the accumulation of moisture thereon with attenuate freezing of same and are provided with a window for viewing the contents therein and a label setting forth the contents of the package on an end wall of the allograft tissue package, the contents of the allograft tissue packages and labeling being viewable when mounted in shelving of the container housing. A plurality of horizontal shelves are mounted in the container housing parallel to each other and a plurality of vertical support members engage the shelves to support said shelves and serve as spacers for said shelves and to align the allograft tissue packages in a vertical and horizontal rows.

170) Family number: 54553289 (US2013210360A) © PatBase

Title: METHODS OF COMMUNICATING IDENTIFICATION INFORMATION AND A RESPONSIVE COMMAND VIA SHORT−RANGE COMMUNICATIONS, AND RELATED DEVICES

Priority: US20120818479 20120213 US20130795424 20130312 WO2012IB00256 20120213 US20130818479 20130222 WO2014JP00712 20140212 US20160085329 20160330

Family:

Publication number	Publication date	Application number	Application date
CN105009550 A	20151028	CN201480014124	20140212
EP2815556 A1	20141224	EP20120707376	20120213
EP2974228 A1	20160120	EP20140711322	20140212
US2013210360 AA	20130815	US20130795424	20130312
US2014347193 AA	20141127	US20120818479	20120213
US2016212509 AA	20160721	US20160085329	20160330
WO13121238 A1	20130822	WO2012IB00256	20120213
WO14141589 A1	20140918	WO2014JP00712	20140212

Probable Assignee: SONY CORP

Assignee(s):(std)**:** LJUNG PETER ; SONY CORP ; SONY ERICSSON MOBILE COMM AB ; WADMAN JOHAN ; SONY MOBILE COMM INC

Assignee(s): SONY MOBILE COMMUNICATIONS INC ; SONY MOBILE COMMUNICATIONS AB ; SONY ERICSSON MOBILE COMMUNICATIONS AB

Inventor(s):(std)**:** LJUNG PETER ; WADMAN JOHAN

Agent(s): HOFFMANN EITLE; MYERS BIGEL SIBLEY AND SAJOVEC PA; KAMEYA YOSHIAKI

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): G08C17/02 H04B7/24 H04L29/08 H04Q9/00 H04W4/00 H04W84/18 (Advanced/Invention)

CPC: G08C17/02 H04L67/12 H04L67/04 H04Q9/00 H04Q2209/40 H04B7/24 H04W84/18 H04L63/0428 H04L67/125 H04M1/7253 H04M2250/12 H04W4/008 H04W12/02 H04W12/06 H04W76/023 H04W88/04

US class: 340/870.01 340/870.02 455/41.2

Classification Explorer

Cited documents: US8350694 BA, US7395117 BB, US7289761 BB, US7248167 BB, US6957107 BB, US6433735 BA, US5663735 A, US5663734 A, US5418538 A, US4445118 A, US2013145420 AA, US2013094538 AA, US2013091537 AA, US2013035077 AA, US2011227707 AA, US2011185202 AA, US2011092164 AA, US2010289627 AA, US2010176919 AA, US2010088127 AA, US2009325484 AA, US2009289776 AA, US2009121890 AA, US2009058635 AA, US2008294019 AA, US2008207296 AA, US2008189142 AA, US2008109051 AA, US2008015013 AA, US2008004904 AA, US2006267731 AA, US2006253894 AA, US2006154642 AA, US2006082444 AA, US2005145187 AA, US2003011511 AA,

Forward Citations: WO15189880, US9692902, US9516468, US9497324, US9438737, US9418257, US9338300, US9332126, US9332125, US9325850, US9215325, US9172811, US9160859, US9148513, US9124703, US2017011573, US2016092705, US2015350319, US2015205615, US2015161423, US2015050950, US2015024684, US2014304381, US2014269364, US2014176343, US2014111322, US2012214469, JP2017059967,

Abstract:
Source: US2013210360A Methods of operating a short−range Radio Frequency (RF) device are provided. The

methods may include transmitting identification information that identifies the short−range RF device and/or sensor information generated by a sensor associated with the short−range RF device, using a short−range RF communication protocol. The methods may include receiving a command, responsive to the identification information and/or the sensor information, from a server via a first device using the short−range RF communication protocol to control a second device associated with the short−range RF device. Related devices are also provided.

0) US2017141337A – LIGHT−EMITTING ELEMENT, LIGHT−EMITTING DEVICE, ...

171) Family number: 61321884 (US2017141337A) © PatBase

Title: LIGHT−EMITTING ELEMENT, LIGHT−EMITTING DEVICE, AUTHENTICATION DEVICE, AND ELECTRONIC APPARATUS

Priority: JP20140137110 20140702 WO2015JP03105 20150622

Family:

Publication number	Publication date	Application number	Application date
CN106463637 A	20170222	CN201580030312	20150622
EP3166157 A1	20170510	EP20150815419	20150622
JP2016015423 A2	20160128	JP20140137110	20140702
US2017141337 AA	20170518	US20150322999	20150622
WO16002159 A1	20160107	WO2015JP03105	20150622

Probable Assignee: SEIKO EPSON CORP

Assignee(s):(std)**:** SEIKO EPSON CORP

Inventor(s):(std)**:** FUJITA TETSUJI ; HAMADE YUIGA

Agent(s): HOFFMANN EITLE; WATANABE KAZUAKI ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): C07D513/04 C09K11/06 H01L51/00 H01L51/50 (Advanced/Invention)

CPC: H01L51/5004 H01L51/508 H01L51/5088 H01L51/5012 C07D513/04 H01L51/0061 C09K11/06 H01L2251/552 H01L2251/558 H01L51/0071 C09K2211/1007 C09K2211/1014 C09K2211/1051 H01L51/50

Classification Explorer

Cited documents: WO14097711 A1, WO13180503 A1, JP2014216576 A2, JP2013514665 T2, JP2013038247 A2, JP2012519944 T2, JP2012204793 A2, JP2010245211 A2, JP2009521799 T2,

Abstract:
Source: US2017141337A A light−emitting element 1 of the invention includes an anode 3, a cathode 8, a light−emitting layer 5 which is provided between the anode 3 and the cathode 8 and emits light in a wavelength range of 700 nm or more by applying a current between the anode 3 and the cathode 8, and an electron transport layer 6 which is provided between the light−emitting layer 5 and the cathode 8, and includes a first electron transport layer 6b located on the cathode 8 side and a second electron transport layer 6a located on the light−emitting layer 5 side, wherein the first electron transport layer 6b contains a first anthracene−based compound, which has an anthracene skeleton and a nitrogen−containing heterocyclic skeleton, and has an average thickness of less than 8 nm, and the second electron transport layer 6a contains a second anthracene−based compound, which has an anthracene skeleton but does not have a heterocyclic skeleton.

172) Family number: 31732394 (US2005053719A) © PatBase

Title: METHOD OF MANUFACTURING LUMINESCENCE DEVICE, AND LUMINESCENCE DEVICE

Priority: JP20030202583 20030728

Family:

Publication number	Publication date	Application number	Application date
JP2005044613 A2	20050217	JP20030202583	20030728
US2005053719 AA	20050310	US20040895340	20040721

Probable Assignee: SEIKO EPSON CORP

Assignee(s):(std)**:** SEIKO EPSON CORP

Inventor(s):(std)**:** ISHIDA KOHEI

Agent(s): OLIFF AND BERRIDGE PLC

International class (IPC 8–9)**:** H01L51/50 H01L51/52 H05B33/04 H05B33/10 H05B33/14 (Advanced/Invention); H01L51/00 (Advanced/Non–invention); H01L51/50 H05B33/04 H05B33/10 H05B33/14 (Core/Invention); H01L51/00 (Core/Non–invention)

International class (IPC 1–7)**:** H05B33/04 H05B33/10 H05B33/14

CPC: H01L51/5256 H01L51/524 H01L51/0005

European class: H01L51/52C T01L51/00A2B2B

US class: 347/195 427/66 428/917

Classification Explorer

Cited documents: US7301277 BB, US7285033 BB, US7190116 BB, US7112115 BA, US7052811 BB, US7038377 BB, US6933086 BB, US6717052 BB, US6080031 A, US5953585 A, US2007018566 AA, US2005098113 AA, US2003146692 AA, US2003096056 AA,

Forward Citations: US9681501, US8519621, US8272912, US8169140, US2010272945, US2010187986, US2010141628, US2008305360, US2008180022, JP5346953, JP2017507768, JP2011508374, JP2009238692, JP2009037812, JP2009004359, JP2008305795, EP3089233, EP2202820, EP2178344, CN103824959,

Abstract:
Source: US2005053719A Aspects of the invention provide a method of manufacturing a luminescence device including forming the first electrode on a substrate, forming a function layer including a luminescence layer on the first electrode, forming a second electrode on the function layer, and forming a sealing layer that covers a luminescence portion, formed of the first electrode, the function layer, and the second electrode, and the sealing layer is formed by an ink–jet method. Accordingly, the deterioration of a luminescence device that is sealed with the sealing layer can be prevented for a long period of time by an inexpensive method.

0) US2004057131A – REARVIEW MIRROR ASSEMBLY WITH UTILITY FUNCTIONS...

173) Family number: 33540384 (US2004057131A) © PatBase

Title: REARVIEW MIRROR ASSEMBLY WITH UTILITY FUNCTIONS

Priority: US19990449121 19991124 US20020207291 20020729 US20030668711 20030922

Family:

Publication number	Publication date	Application number	Application date
US2004057131 AA	20040325	US20030668711	20030922
US7012727 BB	20060314	US20030668711	20030922

Probable Assignee: DONNELLY CORP

Assignee(s):(std)**:** DONNELLY CORP ; DONNELLY CORP A CORP OF ST ; DONNELLY CORP STATE MICHIGAN

Assignee(s): DONNELLY A OF STATE CORP ; DONNELLY A OF STATE OF CORP ; DONNELLY A OF STATE OF MICHIGAN CORP

Inventor(s):(std)**:** DEWIND DARRYL P ; HUTZEL BARRY W ; LINDAHL JOHN O ; LYNAM NIALL R

Agent(s): VAN DYKE GARDNER LINN AND BURKHART LLP

International class (IPC 8–9)**:** B60Q1/00 B60R1/04 B60R1/12 B60R11/02 G02B7/182 G02F1/15 G06Q20/00 G09F9/00 (Advanced/Invention); B60R11/00 (Advanced/Non–invention)

International class (IPC 1–7)**:** G02B5/08

CPC: B60R1/12 B60R11/02 B60R11/0217 B60R11/0241 B60R11/0247 B60R2011/0026 B60R2011/0033

European class: B60R1/12 B60R11/02 B60R11/02D B60R11/02H L60R11/00P1K L60R11/00P1P L60R11/02G

US class: 340/425.5 340/438 340/461 340/815.45 340/815.83 348/148 359/265 359/267 359/838 359/838P 359/872 362/494

Classification Explorer

Cited documents: WO8202448 A1, USD400481 S1, USD390524 S1, USD351370 S1, USD304920 S1, USD299491 S1, USD289989 S1, US6902284 BB, US6902284 BA, US6690268 BB, US6690268 BA, US6549793 BA, US6545598 BA, US6428172 BA, US6333759 BA, US6281804 BA, US6186459 BA, US6183199 BA, US6183119 BA, US6124886 A, US6124866 A, US6079858 A, US6068380 A, US6049288 A, US6049271 A, US6042253 A, US6026162 A, US6000823 A, US5966255 A, US5940503 A, US5940120 A, US5938321 A, US5878353 A, US5871251 A, US5822023 A, US5820245 A, US5813745 A, US5812321 A, US5748395 A, US5719714 A, US5708410 A, US5673994 A, US5671996 A, US5669698 A, US5649756 A, US5649317 A, US5615857 A, US5576687 A, US5572354 A, US5566244 A, US5566224 A, US5550677 A, US5530240 A, US5479155 A, US5475366 A, US5432496 A, US5321556 A, US5289321 A, US5285060 A, US5253115 A, US5253109 A, US5178448 A, US5140455 A, US5124847 A, US5124845 A, US5077643 A, US5066112 A, US5059015 A, US4974129 A, US4934802 A, US4908611 A, US4883349 A, US4807096 A, US4768870 A, US4733336 A, US4714322 A, US4646210 A, US4630904 A, US4524941 A, US4447808 A, US4443057 A, US4436371 A, US4247850 A, US3954328 A, US3588233 A, US3543018 A, US3534938 A, US3367616 A, US3099797 A, US2989897 A, US2649028 A, US1969415 A, US1895560 A, JP58180347 A2, JP3231044 A2, GB2297632 A1, GB2192370 A1, GB2004418 A1, FR1571768 A, EP0484990 A1, EP0381016 A1, DE3605704 A1, DE2332885 A1,

Forward Citations: WO16044706, WO08070389, WO08070389, USD783480, USD710304, USD689298, US9720278, US9694753, US9694752, US9694751, US9694749, US9643605, US9632590, US9609289, US9598018, US9575315, US9563988, US9557584, US9555803, US9545883, US9511715, US9505349, US9487144, US9481306, US9440535, US9436880, US9428192, US9376061, US9352623, US9341914, US9317742, US9315151, US9278654, US9221399, US9194943, US9191634, US9187028, US9171217, US9126525, US9105202, US9090211, US9073491, US9057875, US9045091, US9019091, US9019090, US9014966, US9008369, US8993951, US8977008, US8964032, US8917169, US8908039, US8904308, US8884788, US8880360, US8879139, US8842176, US8833987, US8818042,

US8797627, US8779910, US8727547, US8705161, US8676491, US8665079, US8654433, US8653959, US8638207, US8637801, US8636393, US8610992, US8608327, US8604937, US8599001, US8593521, US8577549, US8571752, US8559093, US8543330, US8543289, US8538625, US8525703, US8511841, US8508384, US8508383, US8506096, US8503062, US8494447, US8465163, US8465162, US8463494, US8462204, US8461971, US8427288, US8400704, US8379289, US8376595, US8368549, US8355839, US8339526, US8335032, US8325055, US8325028, US8309907, US8304711, US8294975, US8288711, US8282253, US8282226, US8277059, US8271187, US8267559, US8228588, US8194133, US8179586, US8179236, US8177376, US8170748, US8164817, US8162493, US8154418, US8134117, US8121787, US8106347, US8100568, US8099247, US8095310, US8095260, US8094002, US8083386, US8072318, US8063753, US8049640, US8047667, US8044776, US8019505, US8000894, US7994471, US7970126, US7937667, US7928837, US7926960, US7918570, US7916043, US7916009, US7914188, US7906756, US7903090, US7898719, US7898398, US7888629, US7871169, US7864399, US7859737, US7855755, US7853414, US7832882, US7826123, US7822543, US7821697, US7815326, US7805260, US7786851, US7771061, US7748152, US7731403, US7728721, US7711479, US7698084, US7667579, US7643200, US7619508, US7599108, US7589883, US7586666, US7583204, US7583184, US7579940, US7579939, US7572017, US7571042, US7543947, US7494231, US7490007, US7474963, US7446650, US7382289, US7310178, US7233661, US7209278, US7110156, US7110156, US2013063598, US2011261475, US2011202862, US2011153150, US2011115911, US2010290141, US2010238289, US2010222957, US2010219199, US2010204878, US2010194888, US2009318084, US2009257140, US2009174682, US2009043446, US2009040034, US2009005136, US2008289887, US2008289885, US2008289884, US2008252090, US2008212218, US2008170043, US2008122239, US2008115397, US2008080076, US2008077882, US2008030482, US2007289182, US2007256753, US2007188844, US2007159316, US2007103457, US2006284856, US2006279553, US2005174622, US2005156714, US2004196969, US2004145457, JP2010280244, DE102012203884,

Abstract:
Source: US2004057131A An interior rearview mirror assembly for a vehicle includes a reflective element, a housing or casing supporting the reflective element, and the casing including a storage space. The storage space provides storage for at least one accessory and for storing the accessory in the location easily accessible by an occupant of the vehicle whereby the accessory can be inserted into and removed from the storage space for use by an occupant of the vehicle. The storage space may take the form of a recess provided in a top wall of the casing, a recessed portion provided in a front wall, back wall, or end wall of the casing. In one form, the recessed portion houses a pendent accessory which is movable between a retracted position within the recess to an extended position for viewing by an occupant of the vehicle. For example, the pendent accessory may include a reflective element or a display element, for displaying information to an occupant of the vehicle.

0) US2008272024A – TRAVELER'S KITCHEN KIT

174) Family number: 42458953 (US2008272024A) © PatBase

Title: TRAVELER'S KITCHEN KIT

Priority: US20070915317P 20070501 US20080113872 20080501

Family:

Publication number	Publication date	Application number	Application date
US2008272024 AA	20081106	US20080113872	20080501
US7694823 BB	20100413	US20080113872	20080501

Probable Assignee: FONTANESI LISA ELAINA

Assignee(s):(std)**:** FONTANESI LISA ; FONTANESI LISA ELAINA

Inventor(s):(std)**:** FONTANESI LISA ; FONTANESI LISA ELAINA

Agent(s): FULWIDER PATTON LLP

International class (IPC 8–9)**:** B65D69/00 B65D71/00 (Advanced/Invention); B65D69/00 B65D71/00 (Core/Invention)

CPC: A45C5/14 A45C13/02 A45F3/46 A47J47/16 A47J2043/0738

European class: A45C13/02 A45F3/46 A47J47/16 K45C5/14 K47J43/07H

US class: 206/223 206/373 206/576

Classification Explorer

Cited documents: USD507876 S1, USD465921 S1, US7278539 BB, US6910560 BB, US6806944 BB, US6637562 BB, US6619768 BA, US6543436 BB, US6464098 BA, US6119858 A, US6000509 A, US5683157 A, US5269599 A, US5110193 A, US4621404 A, US4436353 A, US4195889 A, US3984162 A, US3543890 A, US3010551 A, US2603500 A, US2005098403 AA, US2005034949 AA, US1659114 A, US1590586 A, US1413136 A,

Forward Citations: US9549641, US8726525, US8696075, US2015157152, US2013284746, US2013220848, US2013001113, US2011167645, US2009294310, US2008029562,

Abstract:
Source: US2008272024A A new and improved portable and easily maneuverable kitchen kit that organizes and retains essential cookware and utensils for transport. The invention may be useful for transporting cooking tools to a cooking class or a cooking party. The present invention is advantageous because cookware and utensils necessary for the culinary arts are readily organized and conveniently transportable by an individual. The traveler's kitchen kit of the present invention solves the problem of storing and transporting all of the necessary kitchen tools to a remote location.

0) US2013114228A – ELECTROMAGNETIC INTERFERENCE SHIELDING TECHNIQU...

175) Family number: 53673515 (US2013114228A) © PatBase

Title: ELECTROMAGNETIC INTERFERENCE SHIELDING TECHNIQUES

Priority: US20110556152P 20111104 US20120631156 20120928 WO2012US62139 20121026

Family:

Publication number	Publication date	Application number	Application date
CN103907404 A	20140702	CN201280053514	20121026
CN103907404 B	20170510	CN201280053514	20121026
EP2749152 A1	20140702	EP20120790724	20121026
KR20140069345 A	20140609	KR20147012137	20121026
TW201330765 A	20130716	TW20120140896	20121102
TW201334682 A	20130816	TW20130115312	20121102
TWI520676 B	20160201	TW20120140896	20121102
US2013114228 AA	20130509	US20120631156	20120928
US9155188 BB	20151006	US20120631156	20120928
WO13066751 A1	20130510	WO2012US62139	20121026

Probable Assignee: APPLE INC

Assignee(s):(std)**:** APPLE INC ; MERZ NICHOLAS G ; WERNER CHRISTOPHER MATTHEW ; NIKKHOO MICHAEL M ; WANG HONG ; PYPER DENNIS R

Inventor(s):(std)**:** MERZ NICHOLAS G ; NIKKHOO MICHAEL M ; WERNER CHRISTOPHER MATTHEW ; PYPER DENNIS R ; WANG HONG

Agent(s): ROONEY JOHN PAUL; JOSEPH F; WU CHIH YUN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): H05K1/02 H05K3/28 H05K3/30 H05K7/06 H05K9/00 (Advanced/Invention)

CPC: H05K1/0218 H05K3/284 H05K2201/0317 H05K2201/09618 H05K2201/09872 H05K2201/09909 H05K2201/10371 H05K2201/2018 Y10T29/4913 Y10T29/49146 H05K9/00 H05K3/30 H05K7/06

US class: 1/1 29/832 29/841 361/783

Classification Explorer

Cited documents: WO10100864 A1, WO09003018 A2, US8276268 BB, US8258411 BB, US8102032 BA, US7202422 BB, US7129571 BB, US6674652 BB, US6483719 BA, US2011180933 AA, US2010199492 AA, US2010001390 AA, US2009194322 AA, US2008210462 AA, US2007210082 AA, US2007138614 AA, US2005162841 AA, US2002129951 AA, JP2010080699 A2, EP2161974 A1, CN1658747 A, CN1653878, CN101803017 A,

Forward Citations: WO15199810, US9630832, US9521741, US9426892, US2015175406, US2014285955, US2014247565,

Abstract:
Source: US2013114228A Methods and apparatuses are disclosed for fabricating a printed circuit board (PCB) having electromagnetic interference (EMI) shielding and also having reduced volume over conventional frame–and–shield approaches. Some embodiments include fabricating the PCB by mounting an integrated circuit to the PCB, outlining an area corresponding to the integrated circuit with a number of grounded vias, selectively applying an insulating layer over the PCB such that at least one of the grounded vias are exposed, and selectively applying a conductive layer over the PCB such that the conductive layer covers at least a portion of the integrated circuit and such that the conductive layer is coupled to the at least one of the grounded vias that are exposed.

0) US9010279B – LEASH SYSTEM AND METHOD OF USE

176) Family number: 59008114 (US9010279B) © PatBase

Title: LEASH SYSTEM AND METHOD OF USE

Priority: US20100871609 20100830

Family:

Publication number	Publication date	Application number	Application date
US9010279 BA	20150421	US20100871609	20100830

Probable Assignee: DAWSON CITY LLC

Assignee(s):(std)**:** BUESCHER JOSEPH A ; CHILKOOT TRAIL VENTURES LLC ; SABER MICHAEL A

Assignee(s): DAWSON CITY LLC

Inventor(s):(std)**:** BUESCHER JOSEPH A ; SABER MICHAEL A

Agent(s): HAYES SOLOWAY PC

International class (IPC 8–9): A01K27/00 (Advanced/Invention)

CPC: A01K27/003 A01K27/008

US class: 119/702 119/795

Classification Explorer

Cited documents: USD640018 S1, USD637248 S1, USD624251 S1, USD623247 S1, USD599963 S1, USD554717 S1, USD553809 S1, USD549889 S1, USD545509 S1, USD511029 S1, USD505233 S1, USD498799 S1, USD468378 S1, USD424640 S1, USD421078 S1, USD418880 S1, USD411269 S1, USD408482 S1, USD400620 S1, USD367504 S1, USD363752 S1, USD348915 S1, USD249815 S1, USD244628 S1, USD197655 S1, US8312844 BB, US8104145 BA, US8001656 BB, US7686001 BB, US7533916 BB, US7326122 BB, US7073462 BA, US7047604 BB, US7044080 BB, US7032583 BA, US6932027 BA, US6896578 BB, US6736765 BB, US6651590 BB, US6240881 BA, US6220980 BA, US6101684 A, US6076829 A, US6048283 A, US6024054 A, US6003470 A, US5904388 A, US5836176 A, US5697660 A, US5580157 A, US5433494 A, US5399136 A, US5363680 A, US530116 A, US5270909 A, US5207420 A, US5129650 A, US5033743 A, US4879882 A, US4850927 A, US4549521 A, US4364371 A, US4302900 A, US4222562 A, US4030472 A, US3898765 A, US3841292 A, US3589349 A, US3428036 A, US3049352 A, US2717171 A, US2505400 A, US2493245 A, US2416621 A, US2361069 A, US2013074780 AA, US2012103277 AA, US2012042486 AA, US2011185980 AA, US2011083617 AA, US2010150694 AA, US2010024741 AA, US2009178520 AA, US2008006223 AA, US2007207871 AA, US2007062013 AA, US2007062005 AA, US2007056144 AA, US2006207522 AA, US2006162675 AA, US2006087139 AA, US2006027187 AA, US2005211185 AA, US2004029656 AA, US1710734 A, US1367043 A,

Forward Citations: USD782131, USD761497, US9668456, US2017001087, US2016262353, US2015245594,

Abstract:
Source: US9010279B A multi–function pet leash system generally comprises a substantially rigid handle and a substantially rigid tether/carrier engaged with the handle. The tether/carrier may have one or more means for removable tethering and carrying of accessories, whereby with a pet attached to a leash engaged with the tether/carrier, a user may grasp the handle coupled to the leash through the tether/carrier and walk the pet while conveniently carrying one or more accessories. The handle may be disengaged from the tether/carrier and so serve a separate function, alone or in combination with one or more of the accessories.

0) DE102013017258B4 – DISPLAY–SAEULE ALS WERBETRAEGER ODER KUNSTOBJEK...

177) Family number: 59064556 (DE102013017258B4) © PatBase

Title: DISPLAY–SAEULE ALS WERBETRAEGER ODER KUNSTOBJEKT MIT GETRAENKEZAPF–FUNKTION

Priority: DE201310017258 20131017

Family:

Publication number	Publication date	Application number	Application date
DE102013017258 A1	20150423	DE201310017258	20131017
DE102013017258 B4	20170727	DE201310017258	20131017

Probable Assignee: REITLER WOLFGANG

Assignee(s):(std)**:** REITLER WOLFGANG

International class (IPC 8–9): B67D1/06 G09F21/00 G09F23/02 G09F9/00 (Advanced/Invention)

CPC: B67D1/06 B67D1/0877 B67D2210/00031 G09F15/0075 G09F23/06

Classification Explorer

Cited documents: WO0068138 A1,

DE202006004151 U1

DE202005002744 U1

DE20116171 U1,

Abstract:
Source: DE102013017258B4 Saeule, die – in runder, ovaler oder eckiger Grundform gestaltet ist – die Hauptfunktion der visuellen Wahrnehmbarkeit, wahlweise fuer Werbezwecke oder zur freien Gestaltung erfuellt, wobei sich in der Saeule ein Tresen befindet, der durch eine relativ grosse Aussparung einen Zugriff erlaubt und die Funktionen des – Kuehlens oder Waermens von Getraenken – Abstellens von Trinkgefaessen – Spuelbeckens – fest installierte Spuelbuersten – Abwasser–Ablaufs – Frischwasser–Hahns aufweist und wobei ein Gestell in Bodennaehe so mit Rollen ausgestattet ist, dass die Saeule im leicht gekippten Zustand transportiert werden kann.

0) US5994070A – TRIO MOLECULES AND USES RELATED THERETO

178) Family number: 11890494 (US5994070A) © PatBase

Title: TRIO MOLECULES AND USES RELATED THERETO

Priority: US19960014214P 19960327 US19970826267 19970327 WO1997US05236 19970327

Family:

Publication number	Publication date	Application number	Application date
AU199725556 A1	19971017	AU19970025556	19970327
CA2250124 AA	19980925	CA19972250124	19970327
EP0897425 A1	19990224	EP19970917128	19970327
US5994070 A	19991130	US19970826267	19970327
WO9735979 A1	19971002	WO1997US05236	19970327

Probable Assignee: DANA FARBER CANCER INST

Assignee(s):(std)**:** DANA FARBER CANCER INST INC

Assignee(s): DANA FARBER CANCER INSTITUTE ; DEBANT ANNE ; NATIONAL INST ; NATIONAL INSTITUTES OF HEALTH ; STREULI MICHEL ; SERRA PAGES CARLES ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH DIRECTOR DEITR ; DANA FARBER CANCER INST

Inventor(s):(std)**:** DEBANT ANNE ; SERRA PAGES CARLES ; STREULI MICHEL

Inventor(s): MICHEL STREULI ; ANNE DEBANT ; CARLES SERRA PAGES

Agent(s): GOWLING LAFLEUR HENDERSON LLP

Designated states: AT AU BE CA CH DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE

International class (IPC 8–9)**:** A01K67/027 A61K31/70 A61K38/00 A61K39/395 A61K48/00 C07K14/82 C07K16/32 C07K16/40 C07K19/00 C12N15/12 C12N15/52 C12N15/62 C12N9/00 C12N9/12 C12Q1/25 C12Q1/68 G01N33/573 G01N33/574 (Advanced/Invention); A61K38/00 C12N15/12 (Advanced/Non–invention)

International class (IPC 1–7)**:** A01K67/027 A61K31/70 A61K38/45 A61K39/395 A61K48/00 C07H21/04 C07K14/82 C07K16/32 C07K16/40 C07K19/00 C12N15/00 C12N15/11 C12N15/12 C12N15/52 C12N15/54 C12N15/62 C12N5/00 C12N9/00 C12N9/12 C12Q1/25 C12Q1/68 G01N33/573 G01N33/574 G01N33/68

CPC: C12N9/1205 A01K2217/05 A61K38/00 C07K14/82 C07K2319/00

European class: C07K14/82 C12N9/12C K01K217/05 K61K38/00 M07K203/00 M07K205/00 M07K207/00 M07K213/00 M07K213/02 M07K213/04 M07K215/00 M07K319/00 M07K319/00E M12N203/00 M12N205/00 M12N207/00 M12N213/00 M12N213/02 M12N213/04 M12N215/00

US class: 435/320.1 435/325 435/6 435/6.11 435/69.1 536/23.5 536/24.31

Classification Explorer

Cited documents: US5585479 A,

Forward Citations: WO9951739, WO14185550, WO14087005, WO11048445, WO04096199, WO04096199, US8796415, US8501920, US8088892, US2009036379, US2008167260, US2006210973, CN105264381,

Abstract:
Source: US5994070A Nucleic acids encoding TRIO proteins, the TRIO proteins themselves, and active portions thereof as described. In addition, antibodies immunoreactive with TRIO proteins, and preparations of such compositions are provided. Diagnostic and therapeutic assays and reagents for detecting and treating disorders involving, for example, aberrant expression (or loss thereof) of the TRIO protein are described. Assays are provided for identifying agents that modulate the biological function of TRIO proteins.

0) US2004203060A – MDA–9 AND USES THEREOF

179) Family number: 31060218 (US2004203060A) © PatBase

Title: MDA–9 and uses thereof

Priority: US19990125759P 19990323 US20000531369 20000321 US20040843266 20040510

Family:

Publication number	Publication date	Application number	Application date
US2004203060 AA	20041014	US20040843266	20040510
US6866993 BA	20050315	US20000531369	20000321

Probable Assignee: MILLENNIUM PHARMACEUTICALS INC

Assignee(s):(std)**:** MILLENNIUM PHARM INC

Assignee(s): MILLENNIUM PHARMACEUTICALS INC ; MILLENNIUM PHARMACEUTICALS INC A DELAWARE CORP

Inventor(s):(std)**:** WILLIAMSON MARK

Agent(s): FISH AND RICHARDSON PC

International class (IPC 8–9)**:** C12Q1/68 G01N33/574 (Advanced/Invention)

International class (IPC 1–7)**:** C12Q1/00 C12Q1/68 G01N33/53 G01N33/574

CPC: C12Q1/6883 C12Q2600/158 G01N33/574 G01N2800/44

European class: C12Q1/68M6 G01N33/574 M12Q600/158 S01N800/44

US class: 435/4 435/6 435/6.13 435/6.130P 435/6P 435/7.1 435/7.23 435/7.230S 435/71

Classification Explorer

Cited documents: WO9849290 A2, US6071696 A,

Forward Citations: US9332973, US9186128, US8968210, US2006154262,

Abstract:
Source: US2004203060A Increased expression of MDA–9 is associated with drug resistance of certain cells (e.g., cancer cells). The invention provides methods for identifying drug resistant cells by measuring the expression or activity of MDA–9, methods for identifying modulators of drug resistance, and methods for modulating drug resistance by modulating the expression or activity of MDA–9.

0) US2005187176A – METHOD FOR INHIBITING NF–KAPPA B SIGNALING AND ...

180) Family number: 31844665 (US2005187176A) © PatBase

Title: METHOD FOR INHIBITING NF–KAPPA B SIGNALING AND USE TO TREAT OR PREVENT HUMAN DISEASES

Priority: US20030510466P 20031010 US20040961479 20041008

Family:

Publication number	Publication date	Application number	Application date
US2005187176 AA	20050825	US20040961479	20041008
WO05037323 A2	20050428	WO2004US33185	20041008
WO05037323 A3	20050818	WO2004US33185	20041008

Probable Assignee: OF LOUISVILLE RESEARCH FOUNDATION INC UNIV

Assignee(s):(std): BARVE SHIRISH S ; BATES PAULA J ; GIRVAN ALLICIA C ; UNIV LOUISVILLE RES FOUND ; UNIV LOUISVILLE RES FOUNDATION

Assignee(s): UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION INC ; LOUISVILLE RESEARCH FOUNDATION INC UNIV ; OF LOUISVILLE RESEARCH FOUNDATION INC UNIV

Inventor(s):(std): BARVE SHIRISH S ; BATES PAULA J ; GIRVAN ALLICIA C

Inventor(s): BARVE SHIRISH ; GIRVAN ALLICIA ; BATES PAULA

Agent(s): EVAN LAW GROUP LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61K48/00 C12N15/115 G01N33/50 (Advanced/Invention)

International class (IPC 1–7): A61K48/00 A61P29/00 C12N15/11 G01N33/50

CPC: A61K48/00 C12N15/115 C12N2310/16 C12N2310/18

European class: C12N15/115 K61K48/00 M12N310/16 M12N310/18

US class: 514/44 514/44R

Classification Explorer

Cited documents: WO9829430 A1, WO02076469 A1, WO0061597 A1, US2003087848 AA,

Forward Citations: WO12119938, WO11133142, WO11109677, WO11109677, WO08139262, WO08139262, US9476049, US9452219, US9260517, US9234201, US9018186, US9018185, US8969397, US8648051, US8586717, US8569252, US8481529, US8463553, US8114850, US8029784, US7960540, US7943328, US2016160218, US2014213636, US2014093886, US2010317723, US2010285002, US2010094560, US2009270377, US2009226914, US2009054524, US2009017009, US2008166719, US2008085524, US2007042972, JP2014509849, EP3085786, EP2982756, EP2814498, EP2814498, EP1940861, CN104703608, CN103608456, AU2012224729,

Abstract:
Source: US2005187176A Methods of treating inflammation in a patient comprise administering to the patient a composition comprising a GRO.

0) US2006002123A – REARVIEW MIRROR ASSEMBLY WITH UTILITY FUNCTIONS...

181) Family number: 33540435 (US2006002123A) © PatBase

Title: REARVIEW MIRROR ASSEMBLY WITH UTILITY FUNCTIONS

Priority: US19990449121 19991124 US20000585379 20000601 US20050145253 20050603 US20020307929 20021202

Family:

Publication number	Publication date	Application number	Application date
US2006002123 AA	20060105	US20050145253	20050603
US7293888 BB	20071113	US20050145253	20050603

Probable Assignee: DONNELLY CORP

Assignee(s):(std)**:** DEWIND DARRYL P ; DONNELLY CORP ; HUTZEL BARRY W ; LINDAHL JOHN O ; LYNAM NIALL R

Inventor(s):(std)**:** DEWIND DARRYL P ; HUTZEL BARRY W ; LINDAHL JOHN O ; LYNAM NIALL R ; O LINDAHL JOHN

Inventor(s): LYNAM NIALL ; LINDAHL JOHN ; HUTZEL BARRY ; DEWIND DARRYL

Agent(s): VAN DYKE GARDNER LINN AND BURKHART LLP

International class (IPC 8–9): B60Q3/02 B60R1/04 B60R1/12 B60R11/02 G02B7/182 G06Q20/00 (Advanced/Invention); B60R11/00 (Advanced/Non–invention)

CPC: B60Q3/258 B60Q3/59 B60R11/0247 B60R1/008 B60R1/12 B60R1/1207 B60R11/0217 B60R11/0241 B60R2001/1292 B60R2011/0026 B60R2011/0033 B60R2300/8013

European class: B60Q3/02B12 B60Q3/02G B60R1/00L B60R1/12 B60R11/02D B60R11/02H L60R1/12A L60R1/12M L60R11/00P1K L60R11/00P1P L60R11/02G L60R300/80C1

US class: 359/838 359/871 362/494 362/494P

Classification Explorer

Cited documents: WO8202448, USD402950 S1, USD400481 S1, USD390524 S1, USD351370 S1, USD325554 S1, USD304920 S1, USD299491 S1, USD289989 S1, US6902284 BB, US6811288 BB, US6746140 BB, US6428172 BA, US6264339 BA, US6183119 BA, US6170956 BA, US6170956 B1, US6124886 A, US6042253 A, US6039107 A, US6026162 A, US6000823 A, US5946149 A, US5943149 A, US5940503 A, US5938321 A, US5878353 A, US5820245 A, US5813745 A, US5812321 A, US5762246 A, US5748395 A, US5719714 A, US5708410 A, US5691848 A, US5673994 A, US5671996 A, US5669698 A, US5649756 A, US5615857 A, US5576687 A, US5572354 A, US5566244 A, US5566224 A, US5530240 A, US5490708 A, US5479155 A, US5432496 A, US5391104 A, US5321556 A, US5285060 A, US5195668 A, US5178448 A, US5165081 A, US5151828 A, US5110078 A, US5059015 A, US4974129 A, US4917485 A, US4917130 A, US4902118 A, US4807096 A, US4781436 A, US4768870 A, US4733336 A, US4702572 A, US4695138 A, US4646210 A, US4624499 A, US4593878 A, US4524941 A, US4518192 A, US4486075 A, US4447808 A, US4443831 A, US4443057 A, US4436371 A, US4435042 A, US4394065 A, US4267430 A, US4254931 A, US4247850 A, US4068930 A, US4019812 A, US4000404 A, US3983602 A, US3926470 A, US3827152 A, US3667833 A, US3588233 A, US3543018 A, US3494689 A, US3377880 A, US3228640 A, US3131251 A, US3099797 A, US2802394 A, US2649028 A, US2609578 A, US2573127 A, US2149598 A, US2140069 A, US1969415 A, US1909362 A, US1518232 A, US1479428 A, JP9039660, JP58180347, JP3231044, GB2332185, GB2297632 A1, GB2210836 A1, GB2192370 A1, GB2004418 A1, FR1571768 A, FR1021987 A, EP0890479 A1, EP0381016 A1, DE941408 A, DE3614882 A1, DE3605704 A1, DE29507372 U1, DE2332885 A1,

Forward Citations: WO07102840, US9167732, US8622558, US8607888, US8604937, US8571752, US8548686, US8543289, US8494447, US8463494, US8405491, US8368549, US8174375, US8137129, US8104816, US7956831, US7928891, US7925320, US7646360, US7508298, US2015060617, US2013112836, US2012162800, US2012028580, US2011178706, US2011137684, US2010328055, US2009099732, US2009072118, US2009005136, US2008297452, US2008239077, US2007207842, US2006226960, US2005236995,

Abstract:
Source: US2006002123A An interior rearview mirror assembly for a vehicle includes a housing having a mirror casing and a support for mounting said mirror casing to a vehicle. The rearview mirror assembly further includes a

retractable cord for use by an occupant of the vehicle for coupling to an accessory and which is adapted to couple the accessory to a vehicle system via the housing to provide a link between the accessory and the vehicle system.

0) US2009020571A – WEARABLE HOLDERS AND CONTAINERS

182) Family number: 42854394 (US2009020571A) © PatBase

Title: WEARABLE HOLDERS AND CONTAINERS

Priority: US20070950406P 20070718 US20080175445 20080717

Family:

Publication number	Publication date	Application number	Application date
US2009020571 AA	20090122	US20080175445	20080717
US8474668 BB	20130702	US20080175445	20080717

Probable Assignee: TOMAN JOSHUA MATHEW

Assignee(s):(std)**:** TOMAN JOSHUA MATHEW ; TOMAN JOSHUA MATTHEW

Inventor(s):(std)**:** TOMAN JOSHUA MATHEW ; TOMAN JOSHUA MATTHEW

Agent(s): MCNEELY BODENDORF LLP; WILLIAM D; MCNEELY HARE AND WAR LLP

International class(IPC 8–9)**:** A45C13/30 A45F5/00 A47F5/00 (Advanced/Invention); A45F5/00 A47F5/00 (Core/Invention)

CPC: A45C11/20 A45F5/00 A45F2005/006 A45F2005/008 A47J47/02

European class: A45F5/00 K45C11/20 K45F5/00S K45F5/00W K47J47/02

US class: 211/126.15 211/126.150S 224/219 224/222 224/255 224/267

Classification Explorer

Cited documents: US7942293 BB, US6932214 BA, US6530509 BA, US6360928 BA, US5747084 A, US5242076 A, US5127545 A, US3202331 A, US2953180 A, US2008223892 AA, US2004251285 AA, US1609481 A, US1594215 A, GB2118142 A1,

Forward Citations: USD680027, US9427036, US2015309762, US2014315661, US2013221044, US2013104599, US2013062225, US2007251651,

Abstract:
Source: US2009020571A A wearable food holder includes a container portion having multiple walls defining an interior volume; a tray portion, the tray portion being movable relative to the container portion from a closed position to an open position to access the interior volume; one or more spikes, the spikes being positioned within the interior volume of the container portion when the tray portion is in a closed position; and a mounting means for mounting the food holder to an article for wearing by a person.

0) US7866500B – COLLAPSIBLE POLYMERIC BELLOWS STORAGE TUBE

183) Family number: 48095040 (US7866500B) © PatBase

Title: COLLAPSIBLE POLYMERIC BELLOWS STORAGE TUBE

Priority: US20070848176 20070830

Family:

Publication number	Publication date	Application number	Application date
US7866500 BA	20110111	US20070848176	20070830

Probable Assignee: PEGGS JOHN DAVID

Assignee(s):(std)**:** PEGGS JOHN DAVID

Inventor(s):(std)**:** PEGGS JOHN DAVID

Agent(s): MICHAEL I

International class (IPC 8–9)**:** B65D21/032 (Advanced/Invention)

CPC: B65D21/086 B65D21/0228 B65D21/083 B65D25/06 B65D41/04 B65D43/021 B65D43/0231 B65D2203/02 B65D2543/00092 B65D2543/00296 B65D2543/00351 B65D2543/0037 B65D2543/00518 B65D2543/00537 B65D2543/0062 B65D2543/00685 B65D2543/0074 B65D2543/00796

European class: B65D21/02E11 B65D21/08B B65D21/08C B65D25/06 B65D41/04 B65D43/02S3D B65D43/02S7E L65D203/02 L65D543/00Y1F2C L65D543/00Y1M6 L65D543/00Y2D L65D543/00Y2F L65D543/00Y8D1E L65D543/00Y8D3 L65D543/00Y8S1B2 L65D543/00Y8S1D2 L65D543/00Y8S3B4 L65D543/00Y8S3D2

US class: 220/4.26 220/529 220/6 220/666

Classification Explorer

Cited documents: US5199590 A, US4955493 A, US3311129 A, US2962187 A, US2432025 A, US2006065590 AA, US197760 A,

Forward Citations: USD691365, US9296508, US9254604, US9238520, US9102439, US9044082, US8684230, US8328015, US8061548, US2015079869, US2014061971, US2013105520, US2012227860, US2012097576, US2012085674, US2012069695, US2012055939, US2012012592, US2010140279, AT12467,

Abstract:
Source: US7866500B A bellows design collapsible polymeric storage tube. The device incorporates separate flexible plastic disks as segregating spacers that are dropped inside the device creating separate spaces for a plurality of items. The spacers lock into the widest part of the bellows securing them in place. The disks are printable/markable for promotional/informative media and labeling. In a first instance of the bellows receptacle, the collapsible bellows tube consists of two threaded ends and two threaded lids. The lids pop open and have their own separate space(s) that also uses a disk to create a separate segregated compartment. When a lid is empty the top of the lid collapses in upon itself thus saving space when the lid is empty and packed away, likewise the body of the tube collapses and expands as it is filled or emptied of the contents inside in order to save space when it is packed away. In a second instance of the present invention, the bellows receptacle uses a pair of segregating discs with each positioned approximate the top and bottom of the bellows receptacle forming closure for said receptacle. Any number of additional discs can be used to create segregated compartments within said bellow receptacle.

0) US8061548B – SEGREGATION DISK FOR A COLLAPSIBLE CONTAINER

184) Family number: 49955680 (US8061548B) © PatBase

Title: SEGREGATION DISK FOR A COLLAPSIBLE CONTAINER

Priority: US20080205856 20080906

Family:

Publication number	Publication date	Application number	Application date
US8061548 BA	20111122	US20080205856	20080906

Probable Assignee: PEGGS JOHN DAVID

Assignee(s):(std)**:** PEGGS JOHN DAVID

Inventor(s):(std)**:** PEGGS JOHN DAVID

Agent(s): MICHAEL I

International class (IPC 8–9): B65D25/04 B65D85/00 (Advanced/Invention)

CPC: B65D25/06 B65D83/04

European class: B65D25/06 B65D83/04

US class: 206/538 220/523 220/525 220/526 220/528 220/529 220/530 220/666

Classification Explorer

Cited documents: US7866500 BA, US7004324 BA, US6898899 BB, US6736285 BB, US6293403 BA, US6202224 BA, US6126010 A, US6105815 A, US5850919 A, US5782372 A, US5549213 A, US5402714 A, US5322166 A, US5269428 A, US5240130 A, US5201438 A, US5199590 A, US5002193 A, US4955493 A, US4940138 A, US4875576 A, US4873100 A, US4809877 A, US4793492 A, US4749085 A, US4735318 A, US4492313 A, US4394906 A, US4381059 A, US4372445 A, US4204611 A, US4044836 A, US3939887 A, US3833154 A, US3434589 A, US3311129 A, US3301293 A, US3285459 A, US3155281 A, US2962187 A, US2899110 A, US2886084 A, US2685316 A, US2432025 A, US2139143 A, US2006065590 AA, US197760 A, US1048935 A, GB557857 A, GB294187 A, GB2376877 A1, GB1125488 A,

Forward Citations: US9044082, US2014350446,

Abstract:
Source: US8061548B A segregation disk and method of separately storing items in a collapsible, tubular container uses segregation disks for segregating the collapsible container into multiple chambers of user–selectable size. The segregation disks are generally planar disks having a diameter slightly greater than the interior diameter of the container, and formed of a flexible material that have a plurality of radial slits extending inwardly from their periphery to form a plurality of flexible wedges. At the terminus of each radial slit is a tear break, generally a circular hole. An integral pull tab extends from a peripheral region of one of the flexible wedges to facilitate removal.

0) US2012175325A – APPARATUS FOR HOUSING, STORING AND ORGANIZING S...

185) Family number: 51447989 (US2012175325A) © PatBase

Title: APPARATUS FOR HOUSING, STORING AND ORGANIZING SPONGES AND METHOD OF MANUFACUTRING SAME

Priority: US20110930593 20110111

Family:

Publication number	Publication date	Application number	Application date
US2012175325 AA	20120712	US20110930593	20110111

Probable Assignee: DEL GRIPPO GREGORY A

Assignee(s):(std)**:** DEL GRIPPO GREGORY A ; DEL GRIPPO JILL C

Inventor(s):(std)**:** DEL GRIPPO GREGORY A ; DEL GRIPPO JILL C

International class (IPC 8–9)**:** A47F7/00 B23P17/04 G09F3/00 (Advanced/Invention)

CPC: A47J43/24 Y10T29/49826

US class: 211/59.4 211/59.400P 29/428 29/428S 40/299.01 40/299.010S

Classification Explorer

Cited documents: USD642405 S1, USD598674 S1, USD580192 S1, USD566991 S1, USD475560 S1, USD401084 S1, USD297191 S1, USD285029 S1, USD282127 S1, USD211295 S1, US8186524 BB, US6226961 BA, US6189710 BA, US5853196 A, US5493107 A, US5129525 A, US4678089 A, US4537316 A, US4345526 A, US3015466 A, US2697847 A, US248504 A, US2012217215 AA, US2011271438 AA, US2010025551 AA, US2004093679 AA, US2003121117 AA, US2001035479 AA, US1687790 A, US1419545 A, US1198184 A,

Abstract:
Source: US2012175325A A sponge holder simultaneously houses a plurality of sponges in an organized manner so that each sponge is separated and can be readily accessed and removed as needed. The sponge holder includes a base member extending on a horizontal plane and a rod support member terminating at the base member and extending upward on a vertical plane forming an angle theta along the horizontal plane and the base member. Two or more sponge trays are located on the rod support member. The sponge trays are appointed to each house a sponge thereon. The sponge trays are arranged horizontally so that the sponge rests on the sponge's broad side in a substantially flat manner to mitigate sponge dripping. The sponge trays are substantially parallel to one another on the vertical plane. Advantageously, each sponge can be readily accessed and removed as needed in any order and cross contamination between sponges is avoided.

0) BRPI1105089A – APERFEICOAMENTOS INTRODUZIDOS EM REFRIGERADOR E...

186) Family number: 56718040 (BRPI1105089A) © PatBase

Title: APERFEICOAMENTOS INTRODUZIDOS EM REFRIGERADOR EXPOSITOR E DISPENSADOR DE GELADOS COMESTIVEIS E ASSEMELHADOS Improvements introduced EXHIBITOR IN REFRIGERATOR AND DISPENSER ices AND THE LIKE (Machine translation)

Priority: BR2011PI05089 20111201

Family:

Publication number	Publication date	Application number	Application date
BRPI1105089 A2	20140603	BR2011PI05089	20111201

Probable Assignee: SOBRINHO ANTONINHO LUIS BRANCHER

Assignee(s):(std)**:** SOBRINHO ANTONINHO LUIS BRANCHER

Assignee(s): ANTONINHO LUIS BRANCHER SOBRINHO

Inventor(s):(std)**:** SOBRINHO ANTONINHO LUIS BRANCHER

Inventor(s): ANTONINHO LUIS BRANCHER SOBRINHO

International class(IPC 8–9)**:** B65D85/78 G06M11/00 G07F11/22 (Advanced/Invention)

Classification Explorer

Abstract:
Source: BRPI1105089A 1 RESUMO "APERFEICOAMENTOS INTRODUZIDOS EM REFRIGERADOR EXPOSITOR E DISPENSADOR DE GELADOS COMESTIVEIS E ASSEMELHADOS", mais precisa mente trata–se de refrigerador (1) do tipo comercial, onde sao 5 organizadas unidades de alimentos gelados, tais como sorvetes, picoles, refrigerantes, iogurtes, energeticos e outros; dito refrigerador (1) inclui sistema de controle (SC) dos alimentos estocados e alimentos dispensados, o qual e formado por software (SF), sensores (SE) e meios de transferencia de dados (MT), tais como, WI–FI, modem ou 3G sensores (SE) onde dito io sistema controlador (SC) e conectado com central (CT) para o monitoramento (MI) da localizacao do refrigerador (1), quantidade de produtos estocados (QI) e quantidade de alimentos para reposicao (Q2); dito refrigerador (1) preve um setor (SI) de compartimentos (CC) para o acondicionamento de potes (PT) armazenadores de gelados comestiveis em 15 massa e um setor (S2) para acoplamento de um conjunto de celulas armazenadoras (CZ) de unidades de gelados comestiveis na forma de picoles; cada celula (CZ) contempla mecanismo de ejetor (MJ) de unidade de alimento (UA) de gelado comestivel. 1 SUMMARY "improvements made ON DISPLAY REFRIGERATOR AND ICE CREAM DISPENSER edible and THE LIKE", more precise mind it is cooler (1) commercial type, where frozen food units are 5 organized, such as ice cream, popsicles, soft drinks, yoghurts, energetic and others; said cooler (1) includes control system (SC) of the food stored and dispensed food, which is formed by software (SF), sensors (SE) and data transfer means (MT), such as WI–FI, modem or 3G sensors (SE) where said io system controller (SC) and connected with center (CT) for monitoring (MI) of the refrigerator localization (1) quantity of stored products (IQ) and quantity of food to spare (Q2); said refrigerator (1) provides a sector (SI) of compartments (CC) for packaging pots (PT) hosts of edible ice in 15 mass and a sector (S2) for coupling a set–storing cells (CZ) units of edible ice cream in the form of popsicles; each cell (CZ) includes ejector mechanism (MJ) food unit (AU) ice cream edible.

0) US5486112A – AUTONOMOUS WEARABLE COMPUTING DEVICE AND METHOD...

187) Family number: 13177682 (US5486112A) © PatBase

Title: Autonomous wearable computing device and method of artistic expression using same

Priority:
US19910770610 19911003 US19920912874 19920713 US19940306141 19940914
US19930159194 19931130 US19930128821 19930928 US19940101843 19940215
WO1993US06768 19930713 WO1995US11581 19950912 US19950470263 19950606
WO1994US12682 19941115 US19950551935 19951023 US19940328393 19941024

Family:

Publication number	Publication date	Application number	Application date
AU199347761 A1	19940131	AU19930047761	19930713
AU199511710 A1	19950619	AU19950011710	19941115
AU199535872 A1	19960329	AU19950035872	19950912
CA2118935 AA	19940311	CA19932118935	19930713
CA2176352 AA	19960510	CA19942176352	19941115
EP0611467 A1	19940824	EP19930918242	19930713
EP0611467 A4	19960207	EP19930918242	19930713
GB2299198 A1	19960925	GB19960008759	19950912
GB9608759 A0	19960703	GB19960008759	19950912
US5486112 A	19960123	US19930159194	19931130
US5507649 A	19960416	US19940101843	19940215
US5554032 A	19960910	US19940328393	19941024
US5571020 A	19961105	US19930128821	19930928
US5655910 A	19970812	US19950551935	19951023
WO9401851 A1	19940120	WO1993US06768	19930713
WO9515547 A1	19950608	WO1994US12682	19941115
WO9608804 A1	19960321	WO1995US11581	19950912

Probable Assignee: TROUDET TERRY

Assignee(s):(std)**:** FARIDEH TROUDET ; TERRY TROUDET ; TROUDET FARIDEH ; TROUDET TERRY

Inventor(s):(std)**:** TROUDET FARIDEH ; TROUDET TERRY

Inventor(s): FARIDEH TROUDET ; TERRY TROUDET

Agent(s): MACRAE AND CO; RICHES MCKENZIE AND HERBERT LLP

Designated states: AT AU BE CA CH CN DE DK ES FR GB GR IE IT JP KR LU MC NL PT SE US

International class (IPC 8–9): G06F1/16 G09B13/00 G09B13/04 G09B17/00 G09B19/00 G09B5/06 (Advanced/Invention); G06F1/16 G09B13/00 G09B17/00 G09B19/00 G09B5/00 (Core/Invention)

International class (IPC 1–7): A63B69/00 G09B13/00 G09B13/04

CPC: G09B13/04 G06F1/163 G09B5/065 G09B17/00 G09B19/00

European class: G06F1/16P5 G09B13/04 G09B17/00 G09B19/00 G09B5/06C

US class: 2/160 341/20 434/112 434/157 434/162 434/167 434/233 434/250 63/15 63/15.2

Classification Explorer

Cited documents: WO9108559 A1, US623966 A, US5199876 A, US4909739 A, US4902231 A, US4864658 A, US4846687 A, US4635516 A, US4580984 A, US4519781 A, US4414537 A, US3831296 A, US3559302 A, US3501849 A, US3258858 A, US3166856 A, US3022878 A, US2570908 A, US2053874 A, US1823130 A, GB931038 A, GB2173597 A1, GB1581453 A, GB1255754 A, FR2672413 A1, FR1357068 A,

Forward Citations: WO9427267, WO17069659, WO14051600, WO08047172, WO08047172, WO0000883, USD732794, USD702889, USD676219, USD637788, USD462505, US9666091, US9647887, US9594443, US9501947, US9495351, US9349300, US9262940, US9201508, US9144908, US9038871, US9033875, US8862988, US8727777,

US8523572, US8510867, US8491311, US8477986, US8434164, US8386060, US8276215, US8093997, US8001620, US7941481, US7917235, US7690322, US7677194, US7674969, US7571226, US7570295, US7552054, US7301481, US7269557, US7109970, US7012593, US6967596, US6951464, US6796734, US6792124, US6675010, US6655269, US6634886, US6611962, US6491523, US6407679, US6406300, US6276685, US6275996, US6227862, US6155836, US6154199, US6151208, US6142785, US6140913, US6089872, US6044153, US5796354, US5764164, US5740557, US5649480, US5581484, US2015310762, US2015241998, US2015180716, US2015143276, US2015121246, US2014148951, US2013289970, US2012002698, US2010238005, US2010225590, US2010207881, US2010154102, US2010120003, US2010047747, US2009325137, US2009317777, US2009222973, US2009212979, US2009136908, US2009126554, US2008301856, US2008295670, US2008183460, US2008183052, US2008154601, US2008127810, US2008092798, US2008092797, US2007272070, US2007238078, US2007134630, US2007050880, US2007038190, US2006248478, US2006214912, US2006147883, US2006134586, US2006051726, US2006038917, US2006029914, US2005285760, US2005282120, US2005106536, US2004240924, US2004180317, US2004164880, US2004036678, US2003106781, US2003068904, US2003011568, GB2433154, EP0974948, DE19651941,

Abstract:
Source: US5486112A Educational devices using process−oriented educational methods are disclosed to prepare pre−school children, school children, and teenagers for keyboarding. The devices include sets of gloves and indicia applied to the fingers of the gloves to provide pictorial and alphanumeric representations of the computer keyboard. The visual and tactile memorization of the glove images are complemented by auditory and associative memorization provided by a story−telling educational method. Synergistic use of the gloves in the context of supervised story−telling also trains the pre−school children to develop and practise both lateral and vertical thinking skills1−2, thus preparing them for coping creatively with the inherent hardware/software limitations of computers. The memorization of the alphanumeric representation of the computer keyboard is reinforced through synergistic use of the gloves in a variety of activities including learning the alphabet, learning word−spelling, and learning languages. To best fit the psychology of teenagers, sets of picture−rings and medallion−rings are disclosed to specifically prepare that age−group for keyboarding. A process−oriented method based on the aforementioned devices is disclosed to facilitate the self−expression of children and/or help towards a more healthy communication and healing (therapy). A process−oriented method based on the aforementioned devices is disclosed to assist in the learning of the alphabet and the numbers, and in the learning of languages and scientific disciplines (arithmetic, mathematics, physics, chemistry, medical sciences, etc.). The functionality of the aforementioned devices and the efficiency of the aforementioned educational methods are enhanced through a highly integrated device disclosed under the term "keygloves" in analogy with the term "keyboard", since the "keygloves" extends the power of the "keyboard" to the very hands of the learner/user. 1 De Bono, E.: "How To Change Ideas", Seminar Cassettes, Londin, 1973. 2 Troudet, F.: "Can Creativity Be Taught?", Cleveland State University, Cleveland, OH, Dec. 1988.

188) Family number: 18210092 (US5662472A) © PatBase

Title: HUE AND LIGHTNESS IDENTIFICATION SYSTEM FOR DENTAL PRODUCTS

Priority: CA19962169900 19960220 CA19962169900 19960220 EP19960103416 19960305 US19950516594 19950818 KR19960010084 19960404

Family:

Publication number	Publication date	Application number	Application date
CA2169900 AA	19970219	CA19962169900	19960220
CA2169900 C	20070724	CA19962169900	19960220
DE29616270 U1	19970220	DE19962016270U	19960305
DE69616209 D1	20011129	DE19966016209	19960305
DE69616209 T2	20020418	DE19966016209T	19960305
EP0759286 A2	19970226	EP19960103416	19960305
EP0759286 A3	19971210	EP19960103416	19960305
EP0759286 B1	20011024	EP19960103416	19960305
JP9117463 A2	19970506	JP19960164083	19960625
KR100458074 B1	20060328	KR19960010084	19960404
KR19970009747 A	19970327	KR19960010084	19960404
US5662472 A	19970902	US19950516594	19950818

Probable Assignee: DENTSPLY GMBH

Assignee(s):(std)**:** DENTSPLY GMBH ; DENTSPLY DETREY GMBH

Assignee(s): DENTSPLY DETREY GMBH 63303 DREIEICH DE ; DENTSPLY G M B H ; DENTSPLY GMBH EISENBAHNSTRASSE ; DENTSUPURAI GMBH ; GRUTZNER ANDREAS ERNST

Inventor(s):(std)**:** ANDOREASU ERUNSUTO GURIYUTSUTS ; GRUETZNER ANDREAS ERNST ; GRUTZNER ANDREAS ; GRUTZNER ANDREAS ERNST

Inventor(s): ANDOREASU ERUNSUTO GURIYUTSUTSUNAA

Agent(s): SMART AND BIGGAR; MOTOMIYA TERUHISA; FUJINO IKUO; TAKANASHI NORIMICHI; UBUKATA KAZUO; OCHI TAKAO; OKABE MASAO; KATO NOBUAKI; USUI SHINICHI; ASAHI NOBUMITSU

Designated states: CH DE FR GB IT LI SE

International class (IPC 8–9): A61B5/00 A61C19/00 A61C19/04 A61C3/00 A61C5/06 (Advanced/Invention); A61B5/00 (Advanced/Non–invention); A61B5/00 A61C19/00 A61C19/04 A61C3/00 A61C5/00 (Core/Invention)

International class (IPC 1–7): A61C19/00 A61C19/04 A61C19/10 A61C3/00 A61C5/04 A61C5/06 B44C3/00

CPC: A61C5/66

European class: A61C5/06C

US class: 433/90

Classification Explorer

Cited documents: WO9418905 A1, US921015 A, US716676 A, US5464348 A, US5364267 A, US5289919 A, US5199567 A, US5083921 A, US4969816 A, US4883180 A, US4828117 A, US4693706 A, US4392590 A, US4391590 A, US4384853 A, US4373632 A, US4330280 A, US4189756 A, US4084320 A, US4023675 A, US3951387 A, US3917062 A, US3900954 A, US3890713 A, US3831742 A, US3828434 A, US3756571 A, US3739947 A, US3738066 A, US3724077 A, US3684136 A, US3638314 A, US3612352 A, US3581399 A, US3575318 A, US3557787 A, US3534735 A, US3521356 A, US3494359 A, US3477432 A, US3417971 A, US3373743 A, US3326215 A, US3220412 A, US3164303 A, US3100045 A, US3098483 A, US3093133 A, US3089489 A, US3052240 A, US3052239 A, US2869543 A, US2847009 A, US2841145 A, US2837824 A, US2754590 A, US2708438 A, US2251206 A, US2102591 A, US1775329 A, US1306816 A, US1188417 A, EP0382481 A1, EP0063891 A1, CA1255126 A1,

Forward Citations: WO05032395, WO0162175, WO0110328, USRE46078, USRE46008, USRE44501, USD639946, US7655009, US7410488, US6981618, US6780012, US6715645, US6709436, US6652280, US6030209, US2011217670, US2003075624, DE20018367, DE10020591,

Abstract:
Source: US5662472A A system for identification of hue and lightness of dental products formed from dental material within enclosures comprises an alpha series of at least three caps (A) having an alpha cap hue and supported by enclosures enclosing dental materials which are polymerizable to form an alpha series of dental products having an alpha product hue. The system includes a beta series of at least three caps (B) having a beta cap hue supported by enclosures enclosing dental materials which are polymerizable to form dental products having a beta product hue. The system includes a first series of at least three caps (1) having a first cap lightness and each of said first caps being supported by an enclosure enclosing a dental material which is polymerizable to form a dental product having a first product lightness. The system includes a second series of at least three caps (2) having a second cap lightness, and each of said second caps being supported by an enclosure enclosing a dental material which is polymerizable to form a dental product having a second product lightness.

0) WO10044049A2 – MEDICATION SCHEDULING CALENDRIER DE MEDICATION...

189) Family number: 44925440 (WO10044049A2) © PatBase

Title: MEDICATION SCHEDULING

Priority: EP20080166941 20081017

Family:

Publication number	Publication date	Application number	Application date
WO10044049 A2	20100422	WO2009IB54470	20091012
WO10044049 A3	20100715	WO2009IB54470	20091012

Probable Assignee: KONINKL PHILIPS ELECTRONICS NV

Assignee(s):(std)**:** KONINKL PHILIPS ELECTRONICS NV ; MUSKENS JOHAN ; SIMONS NIKOLOVA MARIANA

Assignee(s): PHILIPS ELECTRONICS KONINKLL NV ; KONINKLIJKE PHILIPS ELECTRONICS N V

Inventor(s):(std)**:** MUSKENS JOHAN ; SIMONS NIKOLOVA MARIANA

Agent(s): VAN VELZEN MAAIKE M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): G06F19/00 G06Q10/00 (Advanced/Invention)

CPC: G06Q10/109 G06F19/3406 G06F19/3456

European class: G06F19/34A G06F19/34L G06Q10/109 G06Q10/10T

Classification Explorer

Cited documents: US6909359 BA, US2003097485 AA, US2002153411 AA,

Forward Citations: FR3008508,

Abstract:
A method and apparatus for assisting a person to adhere to a medication schedule is presented. The method comprises storing a medication schedule and reminder system in an electronic calendar, the electronic calendar comprising activity information regarding scheduled activities of the person; and modifying the medication schedule and reminder system based on the medication schedule and at least one of: the activity 5 information, and environmental condition information.

0) US7716077B – SCHEDULING AND PLANNING MAINTENANCE AND SERVICE...

190) Family number: 15434409 (US7716077B) © PatBase

Title: SCHEDULING AND PLANNING MAINTENANCE AND SERVICE IN A NETWORK–BASED SUPPLY CHAIN ENVIRONMENT

Priority: US19990444889 19991122 US19990447625 19991122 WO2000US32228 20001122

Family:

Publication number	Publication date	Application number	Application date
AU200120476 A5	20010604	AU20010020476	20001122
EP1252594 A2	20021030	EP20000983764	20001122
US7716077 BA	20100511	US19990444889	19991122
WO0139082 A2	20010531	WO2000US32228	20001122
WO0139082 C1	20020103	WO2000US32228	20001122

Probable Assignee: ACCENTURE GLOBAL SERVICES LTD

Assignee(s):(std)**:** ACCENTURE GLOBAL SERVICES GMBH ; ACCENTURE LLP ; ANDERSEN CONSULTING LLP

Assignee(s): ACCENTURE GLOBAL SERVICES LTD

Inventor(s):(std)**:** MICHAEL G MIKURAK ; MIKURAK MICHAEL G

Agent(s): FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZW

International class (IPC 8–9): G06F17/60 G06Q10/00 (Advanced/Invention)

International class (IPC 1–7): G06F17/16 G06F17/60

CPC: G06Q10/06 G06Q10/0631

European class: G06Q10/06 G06Q10/0631

US class: 705/7 705/7.12 705/8 705/9

Classification Explorer

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Abstract:
Source: US7716077B A system, method and article of manufacture are provided for administrating a network−based supply chain on a network. Operation of entities is monitored. Entities include server processes, disk space, memory availability, CPU utilization, access time to a server, and/or a number of connections in a network−based supply chain. Items including merchandising content, currency exchange rates, tax rates, and/or pricing in the network−based supply chain are updated at predetermined intervals. In addition, external data stored separately from the network−based supply chain is synchronized with internal data stored on the network−based supply chain. Contact information received from users of the network−based supply chain is also managed. Users include service providers and manufacturer utilizing the network−based supply chain. The items are altered based on profiles of the users of the network−based supply chain.

0) US7124101B – ASSET TRACKING IN A NETWORK–BASED SUPPLY CHAIN ...

191) Family number: 15436877 (US7124101B)

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Title: ASSET TRACKING IN A NETWORK–BASED SUPPLY CHAIN ENVIRONMENT

Priority: US19990444653 19991122 US19990447623 19991122 WO2000US32310 20001122

Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: ACCENTURE GLOBAL SERVICES LTD

Assignee(s):(std)**:** ACCENTURE LLP ; ANDERSEN CONSULTING LLP

Assignee(s): ACCENTURE GLOBAL SERVICES GMBH ; ACCENTURE GLOBAL SERVICES LTD

Inventor(s):(std)**:** MIKURAK MICHAEL G

Inventor(s): MICHAEL G MIKURAK

Agent(s): OPPENHEIMER WOLFF AND DONNELLY LLP

Designated states: AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZW

International class (IPC 8–9): G06F17/60 G06Q30/00 H04L29/06 H04L29/08 (Advanced/Invention); H04L29/08 (Advanced/Non–invention); H04L29/08 (Core/Non–invention)

International class (IPC 1–7): G06F17/60

CPC: G06Q10/06 G06Q10/0631 G06Q40/00 H04L67/2852 H04L67/2857 H04L69/329 G06Q30/06 H04L29/06 H04L63/02 H04L2463/102

European class: G06F17/60B G06Q10/06 G06Q10/0631 G06Q40/00 H04L29/06C6A H04L29/06C6C T04L29/06C6N T04L29/08A7 T04L29/08N27S6 T04L463/102

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Abstract:
Source: US7124101B The present disclosure controls the network and manages resources for managing network assets through in a network−based supply chain framework. Network assets are available to network users. One

user may submit information reguarding potential for growth, the capacity, or the technological level of one of the network assets. Another user may submit similar information about another network asset. Based on the information from the users, the system may determine the optimal set of network assets. When network events about the assets are recieved, the events can be filtered, correlated and isolated. These events can then be translated into a standard object form for facilitating the determination of the problem causing the network event.

0) US6671818B – PROBLEM ISOLATION THROUGH TRANSLATING AND FILTE...

192) Family number: 30947503 (US6671818B) © PatBase

Title: PROBLEM ISOLATION THROUGH TRANSLATING AND FILTERING EVENTS INTO A STANDARD OBJECT FORMAT IN A NETWORK BASED SUPPLY CHAIN

Priority: US19990444775 19991122 US19990447621 19991122 WO2000US32324 20001122

Family:

Publication number	Publication date	Application number	Application date
AU200118014 A5	20010604	AU20010018014	20001122
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Probable Assignee: ACCENTURE GLOBAL SERVICES LTD

Assignee(s):(std)**:** ACCENTURE LLP ; ANDERSEN CONSULTING LLP

Assignee(s): ACCENTURE GLOBAL SERVICES GMBH ; ACCENTURE GLOBAL SERVICES LTD

Inventor(s):(std)**:** MIKURAK MICHAEL G ; MICHAEL G MIKURAK

Designated states: AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CU CY CZ DE DK DZ EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZW

International class (IPC 8–9): G06F17/00 G06F21/00 G06F21/10 G06Q10/00 G06Q10/06 H04L29/06 (Advanced/Invention); G06Q10/00 H04L29/06 (Core/Invention)

International class (IPC 1–7): G06F11/00 G06F17/00 G06F17/60

CPC: G06F21/10 G06Q10/06 H04L63/0414 H04L63/0823 H04L63/083 H04L2463/102 H04L63/0428 H04L63/08

European class: G06Q10/06 H04L29/06C6B H04L29/06C6C2 H04L63/04B H04L63/08 T04L29/06C6N T04L463/102

US class: 714/4 714/4.21 714/43 714/48

Classification Explorer

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Forward Citations: WO17027110, WO15126423, WO10135839, WO09083970, WO08118522, WO08008372, WO07055723, WO05043343, WO05043343, WO04034202, WO04034202, USRE46140, US9721287, US9715433, US9712290, US9704123, US9699499, US9697547, US9679320, US9672196, US9667534, US9661021, US9633182, US9626632, US9621615, US9608826, US9607333, US9595051, US9590930, US9582579, US9579572, US9576593, US9576292, US9575633, US9569537, US9563707, US9563336, US9558276, US9535563, US9525745, US9525620, US9497037, US9496991, US9492245, US9483157, US9456019, US9451044, US9444868, US9436840, US9432468, US9430666, US9426508, US9419957, US9413808, US9411490, US9411489, US9406022, US9401931, US9401906, US9400983,

US9396451, US9396436, US9396295, US9392084, US9390449, US9385917, US9374366, US9350598, US9349110, US9348914, US9344378, US9342808, US9336487, US9331969, US9319516, US9311502, US9294560, US9292311, US9288052, US9282366, US9230539, US9219810, US9219579, US9215310, US9210038, US9203956, US9203870, US9197495, US9185457, US9159043, US9152727, US9124718, US9124717, US9123044, US9118693, US9117230, US9117057, US9104970, US9104543, US9094802, US9088821, US9081638, US9077848, US9071543, US9071526, US9063985, US9059966, US9058610, US9058581, US9058416, US9055336, US9037502, US9015471, US9008100, US9002789, US9001667, US8996481, US8990233, US8976218, US8972289, US8959190, US8954595, US8954539, US8953771, US8949145, US8948365, US8943002, US8937870, US8935316, US8930472, US8918465, US8914522, US8908567, US8903950, US8897299, US8893110, US8892778, US8892495, US8892465, US8880428, US8874791, US8868448, US8856807, US8856777, US8856657, US8849716, US8848710, US8843411, US8839456, US8832300, US8826452, US8825712, US8824490, US8818904, US8811177, US8805941, US8805844, US8799854, US8799200, US8799113, US8793141, US8788581, US8786473, US8781970, US8769660, US8762313, US8762267, US8762191, US8752081, US8752044, US8751336, US8751334, US8739274, US8738732, US8738700, US8732593, US8732032, US8732023, US8726011, US8726006, US8725791, US8719433, US8718257, US8707410, US8706877, US8702505, US8700695, US8695083, US8694834, US8694684, US8688600, US8688460, US8688085, US8665265, US8661405, US8661295, US8660915, US8654638, US8640473, US8640251, US8639785, US8635113, US8634420, US8631014, US8627211, US8626946, US8626629, US8626544, US8626333, US8615159, US8613048, US8611870, US8606670, US8601373, US8601365, US8601010, US8600852, US8600821, US8595478, US8595258, US8595115, US8590008, US8578361, US8577916, US8571975, US8560366, US8559449, US8554191, US8553699, US8549315, US8549149, US8548987, US8548923, US8543478, US8542676, US8539519, US8538767, US8533846, US8533000, US8532938, US8532641, US8531944, US8528047, US8526940, US8521140, US8504716, US8504473, US8499057, US8495305, US8494945, US8494857, US8484718, US8484248, US8484087, US8484065, US8473365, US8468029, US8463687, US8462631, US8462630, US8458312, US8458070, US8443040, US8438117, US8438086, US8437284, US8432800, US8429228, US8424091, US8422851, US8411560, US8407140, US8405654, US8396075, US8386328, US8386238, US8375087, US8370420, US8370408, US8364798, US8363650, US8359007, US8352606, US8352605, US8351333, US8350863, US8340944, US8340130, US8335838, US8332740, US8321682, US8321468, US8312261, US8311525, US8310928, US8301839, US8301493, US8301107, US8297028, US8296441, US8296183, US8291119, US8291108, US8289858, US8286230, US8285825, US8285590, US8271336, US8270423, US8261340, US8261057, US8259729, US8255919, US8255570, US8255525, US8255456, US8238241, US8234515, US8233392, US8230096, US8224741, US8224717, US8219676, US8209246, US8200828, US8196130, US8194673, US8191008, US8190487, US8185940, US8184625, US8184534, US8169436, US8161083, US8160960, US8156206, US8149431, US8145777, US8145581, US8140415, US8127365, US8121937, US8116337, US8116207, US8108277, US8108232, US8099305, US8099084, US8091031, US8090877, US8090874, US8087015, US8085762, US8078691, US8068991, US8065423, US8063799, US8060887, US8060871, US8056048, US8055561, US8051298, US8051154, US8051127, US8046830, US8042165, US8041658, US8032612, US8020179, US8019868, US8019755, US8015123, US8014421, US8014308, US8000981, US7996549, US7996471, US7991711, US7990853, US7987501, US7987492, US7987099, US7984168, US7983272, US7978716, US7978714, US7975003, US7974856, US7971103, US7970379, US7970011, US7969876, US7966496, US7965620, US7962633, US7962358, US7958024, US7957991, US7957417, US7953390, US7950046, US7945600, US7945480, US7941385, US7933835, US7933673, US7930201, US7927787, US7925750, US7925694, US7925513, US7921184, US7920594, US7916047, US7908304, US7904326, US7900240, US7899722, US7898968, US7890996, US7890873, US7885804, US7883002, US7882438, US7881980, US7877746, US7877388, US7877371, US7876753, US7872597, US7870107, US7865585, US7865510, US7865457, US7861087, US7860776, US7856497, US7852880, US7849438, US7849270, US7849269, US7848234, US7835991, US7835945, US7835931, US7831728, US7827600, US7827237, US7827139, US7827042, US7808906, US7804947, US7797724, US7796510, US7793316, US7792934, US7779122, US7778595, US7774834, US7774715, US7774657, US7774263, US7765266, US7765261, US7765181, US7765173, US7761364, US7760729, US7757074, US7756816, US7748032, US7724657, US7716077, US7707533, US7707149, US7707081, US7706266, US7698719, US7689504, US7685630, US7685298, US7685277, US7685183, US7685113, US7680885, US7680752, US7676436, US7673237, US7673037, US7667582, US7665105, US7664843, US7664756, US7664480, US7657657, US7653574, US7653525, US7650344,

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US2005097101, US2005096018, US2005080909, US2005075914, US2005066026, US2005054285, US2005050193, US2005044026, US2005043940, US2005034055, US2005033648, US2005003338, US2004255167, US2004254762, US2004226020, US2004221179, US2004203750, US2004177138, US2004177059, US2004153703, US2004133612, US2004123101, US2004117477, US2004111513, US2004098356, US2004024767, US2004019889, US2004019494, US2004015824, US2004006586, US2003234808, US2003233582, US2003233483, US2003229613, US2003200486, US2003200300, US2003182137, US2003182135, US2003155415, US2003154144, US2003150909, US2003150908, US2003149373, US2003126000, US2003120956, US2003101223, US2003101116, US2003095151, US2003084010, US2003084009, US2003055903, US2003040986, US2003030661, US2003018481, US2003004840, US2002198932, US2002198749, US2002194273, US2002188739, US2002188535, US2002188485, US2002169678, US2002152403, US2002147732, US2002147609, US2002133383, US2002129143, US2002128925, US2002103969, US2002103776, US2002099783, US2002082925, US2002072982, US2002059216, US2002023079, US2001047324,

US2001042022, US2001037321, US2001037252, US2001032123, US2001025278, US2001012337, ES2284362,

Abstract:
Source: US6671818B A system, method and article of manufacture are provided for life cycle network asset management in a network based supply chain. In accordance with an embodiment of the present invention, the supply chain network is monitored, and events from network assets are received, filtered, and correlated, whereby problems with network assets are further isolated. The filtered and isolated events problems are then translated into a standard object format for facilitating the determination of the life cycle of problem network assets, wherein the events are translated by a comprehensive library of all possible message types provided by the custom software interfaces. In accordance with an embodiment of the present invention, the network assets include both packet−switched and circuit−switched network assets, and the events are received by custom software interfaces which communicate directly with the network assets.

0) US2009023553A – EXERCISE SYSTEMS IN LOCAL OR GLOBAL NETWORK

193) Family number: 42855585 (US2009023553A)

© PatBase

Title: EXERCISE SYSTEMS IN LOCAL OR GLOBAL NETWORK

Priority: US20070959464P 20070716 US20070959564P 20070716 US20080216539 20080707 US20080216540 20080707

Family:

Publication number	Publication date	Application number	Application date
US2009023553 AA	20090122	US20080216539	20080707
US2009023554 AA	20090122	US20080216540	20080707

Probable Assignee: SHIM YOUNGTACK

Assignee(s):(std)**:** SHIM YOUNGTACK

Inventor(s):(std)**:** SHIM YOUNGTACK

Agent(s): YOUNGTACK SHIM

International class(IPC 8–9)**:** A63B24/00 (Advanced/Invention); A63B24/00 (Core/Invention)

CPC: A63B24/0087 A63B21/0628 A63B24/0062 A63B24/0084 A63B2024/0096 A63B2225/20 A63B2225/50 A63B22/0023 A63B22/0076 A63B22/02 A63B22/04 A63B22/0605 A63B22/0664 A63B69/0028 A63B69/06 A63B69/16 A63B71/0622 A63B2071/0625 A63B2071/0638 A63B2071/0658 A63B2071/0666 A63B2220/806 A63B2230/06 A63B2230/30 A63B2230/42 A63B2230/50 A63B2230/60 A63B2230/65 A63F13/245 A63F13/795 A63F13/80 G06F19/3481

European class: A63B24/00G A63B24/00J A63B24/00R K63B21/062 K63B22/02 K63B225/20 K63B225/50 K63B230/00 K63B24/00R6

US class: 482/4

Classification Explorer

Cited documents: US6902513 BA, US6634992 BA, US6458060 BA, US2008269017 AA, US2007281828 AA, US2007265138 AA, US2007260483 AA, US2007219059 AA, US2007111858 AA, US2007042868 AA, US2006205569 AA, US2006030458 AA, US2006025282 AA, US2005239601 AA, US2005233861 AA, US2005075214 AA, US2003134714 AA, US2002055419 AA, US2002022551 AA,

Forward Citations: WO14041477, US9723393, US9632746, US9612311, US9459691, US9418349, US9367668, US9179232, US9028370, US8992387, US8911330, US8882637, US8827870, US8419593, US8332544, US8221292, US8157706, US8005656, US7988599, US7955219, US2016317866, US2015070271, US2014309084, US2014274564, US2014073481, US2012309551, US2011183813, US2011090092, US2011082010, US2011082007, US2010092935, US2010062818, US2010035723,

Abstract:
Source: US2009023553A An exercise system includes at least two exercise modules and is arranged to allow multiple users performing exercises on, with or against the modules in different locations while performing at least one preset task defined in a context of a story, a scenery or a video (or computer) game each in turn preferably defined in a virtual environment. The exercise system generally generates the task of the story, scenery or game in images of the virtual environment and simulates the exercising users as simulated user in such images, while allowing the users to manipulate the simulated users for attaining a goal of the task based on features related with the exercises performed by the user or allowing the task to manipulate operations of the modules based on such features. The exercise system includes at least one output module including at least two visual units and audio units to provide the images and sounds for the task to each exercising user.

0) US2010271352A – DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE...

194) Family number: 43363831 (US2010271352A) © PatBase

Title: DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME

Priority: JP20070317440 20071207 WO2008JP64207 20080807

Family:

Publication number	Publication date	Application number	Application date
CN101884008 A	20101110	CN200880118935	20080807
CN101884008 B	20120919	CN200880118935	20080807
US2010271352 AA	20101028	US20080746354	20080807
US8698715 BB	20140415	US20080746354	20080807
WO09072323 A1	20090611	WO2008JP64207	20080807

Probable Assignee: SHARP KK

Assignee(s):(std)**:** DEGUCHI KAZUHIRO ; MATSUOKA TOSHIKI ; MIYATA AKIO ; NAKANO SHINICHI ; SHARP CORP ; SHARP KABUSHIK KAISHA ; TERANISHI TOMOKO ; SHARP KK

Assignee(s): SHARP KABUSHIKI KAISHA

Inventor(s):(std)**:** AKIO MIYATA ; DEGUCHI KAZUHIRO ; KAZUHIRO DEGUCHI ; MATSUOKA TOSHIKI ; MIYATA AKIO ; NAKANO SHINICHI ; SHINICHI NAKANO ; TERANISHI TOMOKO ; TOMOKO TERANISHI ; TOSHIKI MATSUOKA

Agent(s): BIRCH STEWART KOLASCH AND BIRCH; BIRCH STEWART KOLASCH AND BIRCH LLP; IKEUCHI SATO AND PARTNER PATENT ATTORNEYS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class(IPC 8–9)**:** G02F1/17 G06F3/038 G09G3/28 G09G3/36 (Advanced/Invention)

CPC: G02B26/004

European class: G02B26/00L G02F1/17

US class: 345/104 345/204 345/206 345/206P 345/61 345/61S 345/690 345/87 345/88 349/127

Classification Explorer

Cited documents: US7843545 BB, US5757345 A, US2009059348 AA, US2007182891 AA, US2007040982 AA, US2004196525 AA, JP2006113369 A2, JP2004252444 A2, JP10039800 A2,

Forward Citations: WO12026161, WO11128995, WO11033802, US9587982, US9574942, US9562848, US9513475, US9500523, US9464935, US9448114, US9383258, US9377396, US9354117, US9291504, US8842360, US8649104, US2013342890, KR101351157, JP5257510, JP2011033802, DE112010005483, CN103080826, CN102576178, CN102301258,

Abstract:
Source: US2010271352A A display device (**10**) includes an upper substrate (first substrate) (**2**), a lower substrate (second substrate) (**3**), and a conductive liquid (**16**) that is movably sealed in a display space (S) formed between the upper substrate (**2**) and the lower substrate (**3**). In the display device (**10**), an electrode member (f) for filling the conductive liquid (**16**) is provided in the display space (S) and configured so that a predetermined voltage can be applied thereto, and the conductive liquid (**16**) is filled in the display space (S) by applying the predetermined voltage to the electrode member (f).

0) US2010300790A – BATTERY–POWERED MOTORIZED VEHICLE WITH A CARRYI...

195) Family number: 47722014 (US2010300790A) © PatBase

Title: BATTERY–POWERED MOTORIZED VEHICLE WITH A CARRYING PLATFORM

Priority: US20090217286P 20090529 US20090270442P 20090708 US20100313224P 20100312 US20100802116 20100529

Family:

Publication number	Publication date	Application number	Application date
US2010300790 AA	20101202	US20100802116	20100529
US8596652 BB	20131203	US20100802116	20100529

Probable Assignee: TONG COLINA

Assignee(s):(std)**:** TONG COLINA ; TONG LUCAS ; TONG LUCAS HOU WAE

Inventor(s):(std)**:** TONG COLINA ; TONG LUCAS ; TONG LUCAS HOU WAE

Agent(s): PETER TONG

International class(IPC 8–9)**:** B62D61/02 B62D61/10 B62D61/12 B62M6/00 (Advanced/Invention)

CPC: B62D61/12 B62D63/065

European class: B62D61/12 B62D63/06C3

US class: 180/209 180/220 280/47.19 280/47.2

Classification Explorer

Cited documents: USD541701 S1, US8091658 BB, US7942445 BB, US7562903 BB, US7493711 BB, US7431311 BB, US7243746 BA, US7083018 BB, US7004272 BA, US6176337 BA, US6176337 B1, US5927730 A, US5727642 A, US5282641 A, US5036938 A, US4750578 A, US3897960 A, US3605929 A, US3580349 A, US2011266772 AA, US2010096204 AA, US2009314568 AA, US2009000835 AA, US2007144799 AA, US2007126196 AA, US2005167937 AA,

Forward Citations: WO16152966, US2014196968,

Abstract:
Source: US2010300790A One embodiment of a battery–powered motorized vehicle for a user includes a riding platform, a steering wheel, a second–end wheel, a seat base, a battery–powered motor, a carrying platform, a swivel wheel, a hinge, and an attachment device. The riding platform includes a first end and a second end. The steering wheel is in proximity to the first end of the riding platform. The second–end wheel is close to the second end of the riding platform. The seat base can be on top of the riding platform, with the seat base including a seat back. The battery–powered motor is configured to drive the second–end wheel. The carrying platform includes a first end and a second end. The swivel wheel is configured to connect to the bottom of the carrying platform. The hinge is configured to connect the first end of the carrying platform to a back surface of the seat base. The attachment device is configured to secure an article to the carrying platform. The carrying platform, via the hinge, can be configured to be in the downward position with the swivel wheel touching the ground to carry the article. The carrying platform can also be configured to be held in an upward position with the swivel wheel lifted off the ground when not carrying the article, to make the motorized vehicle more maneuverable.

0) US2012326956A – DISPLAY ELEMENT, AND ELECTRICAL DEVICE USING SA...

196) Family number: 49571969 (US2012326956A) © PatBase

Title: DISPLAY ELEMENT, AND ELECTRICAL DEVICE USING SAME

Priority: JP20100050894 20100308 WO2010JP69463 20101102

Family:

Publication number	Publication date	Application number	Application date
CN102770803 A	20121107	CN201080064299	20101102
EP2546694 A1	20130116	EP20100847490	20101102
JP2011111263 A1	20130627	JP20120504277T	20101102
US2012326956 AA	20121227	US20100583038	20101102
WO11111263 A1	20110915	WO2010JP69463	20101102

Probable Assignee: SHARP KK

Assignee(s):(std)**:** MATSUOKA TOSHIKI ; NAKAMURA KOHZOH ; SHARP CORP ; SHARP KK ; UEKI SHUN ; TOMOTOSHI TAKUMA

Assignee(s): SHARP KABUSHIKI KAISHA

Inventor(s):(std)**:** KOHZOH NAKAMURA ; MATSUOKA TOSHIKI ; TOMOTOSHI TAKUMA ; NAKAMURA KOHZOH ; SHUN UEKI ; TAKUMA TOMOTOSHI ; UEKI SHUN ; TOSHIKI MATSUOKA

Agent(s): Müller – Hoffmann Partner; IKEUCHI SATO AND PARTNER PATENT ATTORNEYS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): G02B26/00 G02F1/17 G09F9/30 G09F9/37 G09G3/34 (Advanced/Invention)

CPC: G02B26/004 G09F9/372

European class: G02B26/00L G09F9/37E

US class: 345/107 359/290

Classification Explorer

Cited documents: WO10016304 A1, WO09078194 A1, WO08155925 A1, US2009316253 AA, US2009085909 AA, US2009027317 AA, US2008062499 AA, JP2009294246 A2, JP2009048010 A2, JP2009003017 A2, JP2008070862 A2, JP2004252444 A2, CN1902672 A, CN101512411 A,

Forward Citations: WO13108851, US9450211, US9332634, US9288896, US9288895, US9001027, US2015001473, US2014211430, US2014211429, US2014211428, US2013222355,

Abstract:
Source: US2012326956A A display element includes an upper substrate (first substrate), a lower substrate (second substrate), an effective display region and a non−effective display region that are defined with respect to a display space formed between the upper substrate and the lower substrate, and a polar liquid that is movably sealed in the display space. In the display element, a common electrode (first electrode) and a pixel electrode (second electrode) are provided. The effective display region and the non−effective display region are defined so that the polar liquid is moved along the up−and−down direction in the display space.

197) Family number: 49695433 (US2012089410A) © PatBase

Title: SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR ENHANCED VISIBILITY DURING INSTALLATION MANAGEMENT IN A NETWORK– BASED SUPPLY CHAIN ENVIRONMENT

Priority: US19990444774 19991122 US20110252882 20111004

Family:

Publication number	Publication date	Application number	Application date
US2012089410 AA	20120412	US20110252882	20111004
US8032409 BA	20111004	US19990444774	19991122

Probable Assignee: ACCENTURE GLOBAL SERVICES LTD

Assignee(s):(std)**:** ACCENTURE GLOBAL SERVICES LTD ; MIKURAK MICHAEL G

Assignee(s): ACCENTURE LLP ; ANDERSEN CONSULTING LLP ; ACCENTURE GLOBAL SERVICES GMBH ; ACCENTURE GLOBAL SERVICES LIMITED

Inventor(s):(std)**:** MIKURAK MICHAEL G

Agent(s): FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

International class(IPC 8–9)**:** G06Q99/00 G07G1/14 (Advanced/Invention)

CPC: G06Q10/00 G06Q30/00 G06Q30/0225

European class: G06Q10/00 G06Q30/00 G06Q30/0225

US class: 705/1.1 705/1.100P 705/14 705/14.26 705/14.39

Classification Explorer

Cited documents: WO9859455, WO9847298, WO9837675, WO9826363, WO9805152, WO9724691, WO9615505, WO9512859, WO9311480, US7451106 BA, US6731625 BA, US6609101 BA, US6524109 BA, US6516350 BA, US6487718 BA, US6470496 BA, US6446123 BA, US6430711 BA, US6430708 BA, US6430688 BA, US6425006 BA, US6411922 BA, US6405364 BA, US6397381 BA, US6381579 BA, US6373498 BA, US6370573 BA, US6363411 BA, US6351738 BA, US6349237 BA, US6347398 BA, US6345261 BA, US6341266 BA, US6339789 BA, US6335927 BA, US6324522 BB, US6314565 BA, US6292830 BA, US6289462 BA, US6289385 BA, US6272677 BA, US6269336 BA, US6263322 BA, US6263317 BA, US6259679 BA, US6256676 BA, US6253339 BA, US6249773 BA, US6233449 BA, US6230199 BA, US6223343 BA, US6223055 BA, US6219700 BA, US6199204 BA, US6195697 BA, US6167378 A, US6157915 A, US6154738 A, US6151643 A, US6151582 A, US6147975 A, US6141777 A, US6134615 A, US6131112 A, US6125389 A, US6119101 A, US6115690 A, US6105069 A, US6104868 A, US6101460 A, US6067525 A, US6065017 A, US6061660 A, US6058426 A, US6058103 A, US6055573 A, US6055516 A, US6055514 A, US6032125 A, US6023586 A, US6014644 A, US6012051 A, US6009274 A, US6006251 A, US6006196 A, US6006016 A, US5999525 A, US5991735 A, US5987430 A, US5987423 A, US5974403 A, US5974395 A, US5974391 A, US5970475 A, US5968189 A, US5953707 A, US5951644 A, US5950173 A, US5946662 A, US5923552 A, US5920700 A, US5907490 A, US5905973 A, US5905860 A, US5895454 A, US5893905 A, US5892900 A, US5890175 A, US5890139 A, US5883955 A, US5878128 A, US5867495 A, US5864662 A, US5864483 A, US5848396 A, US5845256 A, US5841981 A, US5835911 A, US5832458 A, US5832196 A, US5819028 A, US5812529 A, US5805458 A, US5802178 A, US5799289 A, US5790546 A, US5787425 A, US5787274 A, US5783069 A, US5774870 A, US5768501 A, US5764543 A, US5761502 A, US5752238 A, US5752159 A, US5729735 A, US5729688 A, US5724521 A, US5710887 A, US5696975 A, US5694546 A, US5692107 A, US5664110 A, US5655068 A, US5646864 A, US5640505 A, US5638519 A, US5630070 A, US5621663 A, US5611048 A, US5610839 A, US5572672 A, US5539877 A, US5515367 A, US5513343 A, US5499340 A, US5495610 A, US5493689 A, US5483637 A, US5459656 A, US5297031 A, US5231567 A, US5204821 A, US5159685 A, US5113499 A, US5109337 A, US5023907 A, US4992940 A, US4972453 A, US4799156 A, US4491947 A, US4412292 A, US4086434 A, US2007016487 AA, US2006212361 AA, US2005265083 AA, US2005251458 AA, US2005187859 AA, US2004052343 AA, US2004019535 AA, US2003149642 AA, US2002178071 AA, US2002035450 AA, US2001011222 AA, EP0865006, EP0834819, EP0834818, EP0807891, EP0795948, EP0767436, EP0749081, EP0710942, EP0420493, EP0332304,

Forward Citations: USRE45348, USD735225, US9715793, US9712986, US9706061, US9705771, US9703646, US9674731, US9667534, US9647918, US9641957, US9633182, US9619909, US9615192, US9614934, US9609544, US9609510, US9609459, US9606992, US9591474, US9589301, US9578182, US9577973, US9572019, US9571559, US9565707, US9565543, US9557889, US9544397, US9532261, US9532161, US9525620, US9521578, US9519911, US9495779, US9491564, US9491223, US9491199, US9474040, US9471928, US9459936, US9420351, US9407713, US9396479, US9392462, US9390151, US9386165, US9386124, US9386121, US9384573, US9380015, US9369424, US9355012, US9351193, US9344481, US9330196, US9326189, US9325662, US9319913, US9307493, US9300719, US9277445, US9277443, US9277433, US9275163, US9274774, US9274760, US9271238, US9271184, US9270559, US9258735, US9256894, US9253663, US9251265, US9251193, US9247450, US9245367, US9241314, US9239800, US9232403, US9230131, US9225797, US9220027, US9218229, US9215613, US9215159, US9210087, US9208123, US9204374, US9204282, US9203958, US9203864, US9198117, US9198076, US9198075, US9198074, US9198042, US9191918, US9185680, US9185559, US9179359, US9179316, US9179315, US9179308, US9173128, US9173104, US9161258, US9154826, US9154428, US9143976, US9137739, US9137701, US9137121, US9131397, US9124606, US9117230, US9116905, US9106801, US9100873, US9094311, US9084105, US9082232, US9077630, US9065765, US9063999, US9060032, US9059913, US9055102, US9049179, US9047484, US9047483, US9047361, US9047142, US9043433, US9037127, US9027112, US9026520, US9026079, US9021021, US9015585, US9015471, US9014026, US9009771, US9009250, US9002890, US9002828, US8989728, US8989077, US8984581, US8977755, US8973140, US8972287, US8966067, US8966066, US8954921, US8948042, US8948025, US8943464, US8942488, US8930502, US8924549, US8924543, US8924469, US8924011, US8918503, US8914002, US8913622, US8909759, US8909202, US8909192, US8904500, US8903954, US8903452, US8898293, US8898079, US8897744, US8897743, US8893009, US8892729, US8886176, US8886162, US8874761, US8873411, US8868753, US8868455, US8862657, US8861354, US8861336, US8856015, US8849902, US8849819, US8844035, US8843153, US8839412, US8839388, US8839387, US8838783, US8838744, US8838737, US8837293, US8832777, US8832228, US8831561, US8812695, US8811952, US8805425, US8805334, US8799451, US8799410, US8797908, US8793758, US8793319, US8793305, US8788661, US8787947, US8782222, US8775631, US8775269, US8774844, US8762489, US8761756, US8751309, US8750123, US8745220, US8745191, US8738700, US8738462, US8738050, US8737957, US8732168, US8732023, US8732018, US8725123, US8724554, US8713651, US8713630, US8706564, US8706280, US8700728, US8700010, US8695877, US8695073, US8693494, US8688099, US8675507, US8667571, US8667131, US8666365, US8666364, US8655339, US8645232, US8640198, US8639935, US8639811, US8635678, US8635339, US8635335, US8635108, US8634821, US8634805, US8631479, US8631102, US8630630, US8630617, US8630611, US8630192, US8626605, US8626115, US8621075, US8620765, US8616449, US8612297, US8607300, US8606911, US8595749, US8595478, US8590785, US8589541, US8589247, US8588110, US8584940, US8583781, US8573492, US8572173, US8570908, US8567672, US8561086, US8549587, US8548428, US8543604, US8542676, US8539040, US8533022, US8533002, US8494915, US8494914, US8494510, US8484314, US8473743, US8473002, US8468126, US8458312, US8438633, US8438075, US8429613, US8429228, US8417823, US8412675, US8401918, US8396075, US8364181, US8359393, US8356080, US8352387, US8341035, US8332819, US8326985, US8321948, US8316098, US8311896, US8306870, US8291076, US8290824, US8285600, US8285598, US8271951, US8271336, US8271332, US8266696, US8204953, US8190701, US2017149961, US2017078393, US2017054766, US2017024288, US2016307217, US2016180302, US2016127795, US2016100377, US2015363800, US2015355609, US2015339146, US2015333999, US2015278363, US2015262095, US2015193215, US2015181556, US2015181555, US2015149236, US2015134946, US2015106143, US2015051713, US2015026300, US2015020042, US2015012568, US2015006582, US2014372846, US2014237109, US2014214622, US2014192689, US2014180765, US2014136475, US2014032705, US2014026173, US2014025563, US2014024340, US2014019204, US2013339093, US2013261796, US2013254658, US2013227707, US2013212455, US2013185105, US2013185086, US2013179444, US2013151671, US2013109378, US2013097052, US2013083064, US2013065553, US2013036364, US2013036363, US2013018836, US2012324091, US2012310906, US2012278168, US2012240024, US2012209738, US2012191507, US2012173628, US2012137366, US2012113888, US2012089677, US2012053985, US2012023193, US2012022944, US2012020211, US2011306317, US2011289027, US2011263225, US2011252240, US2011213650, US2011213648, US2011211686, US2011196787, US2011184545, US2011153511, US2011015969, US2011010182, US2010281250, US2010281107, US2010275196, US2010223677, US2010208939, US2010169194, US2010106619, US2009271829, US2009249488, US2009238195, US2009228789,

US2009183237, US2009077188, US2008320049, US2008306815, US2008276127, US2008120605, US2008098122, US2008034401, US2007113284, US2007027886, US2005010498, US2004064351, US2002078152,

Abstract:
Source: US2012089410A A system, method and article of manufacture are provided for interacting with a client user in a network−based environment during installation management in order to enhance visibility. A user is identified and information about the user is collected, wherein the information relates to the installation of a service. A profile of the user is built based on the collected information and a plurality of different contents are managed. The profile and the contents are analyzed in order to match attributes of the profile of the user and attributes of the contents. The contents which have attributes that match the attributes of the profile of the user are then selected and delivered to the user. The user is allowed to manually select which of the delivered contents are depicted on a display. The user is also allowed to selectively position the delivered contents on the display.

0) US2016366874A – REMOTELY CONTROLLED ACTIVE DISPENSING DEVICE

198) Family number: 56388214 (US2016366874A) © PatBase

Title: REMOTELY CONTROLLED ACTIVE DISPENSING DEVICE

Priority: GB20140003806 20140304 WO2015GB50625 20150304

Family:

Publication number	Publication date	Application number	Application date
AU2015225935 AA	20150911	AU20150225935	20150304
GB201403806 A0	20140416	GB20140003806	20140304
IN201647033222 A	20161111	IN201647033222	20160929
PH2016501734 A	20170206	PH20160501734	20160902
US2016366874 AA	20161222	US20160254001	20160901
WO15132589 A1	20150911	WO2015GB50625	20150304

Probable Assignee: RECKITT BENCKISER BRANDS LTD

Assignee(s):(std)**:** RECKITT BENCKISER BRANDS LTD

Inventor(s):(std)**:** CARIDE MATIAS

Agent(s): SHELSTON IP PTY LTD; GILL CAREY MICHAEL ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01M1/20 A01M1/24 (Advanced/Invention)

CPC: A61L9/127 A61L9/14 A61L2209/11 A61L2209/133 A01M1/2044 A01M1/2038 A01M1/245

US class: 43/129

Classification Explorer

Cited documents: WO04010762 A2, US2012241532 AA, US2010312403 AA, US2008067263 AA, US2005224596 AA, US2005127207 AA, US2002101352 AA,

Abstract:
Source: US2016366874A A device for dispensing an active ingredient that can be controlled remotely, most preferably wirelessly.

0) US2016023691A – MULTIPURPOSE UTILITY BOARD FOR VEHICLE TAILGATE...

199) Family number: 61539124 (US2016023691A) © PatBase

Title: MULTIPURPOSE UTILITY BOARD FOR VEHICLE TAILGATE

Priority: US20140027786P 20140723 US20150807695 20150723

Family:

Publication number	Publication date	Application number	Application date
US2016023691 AA	20160128	US20150807695	20150723

Probable Assignee: BALES STEVEN

Assignee(s):(std)**:** BALES STEVEN ; MEHDIPOUR MICHAEL ; WEECH CORY

Inventor(s):(std)**:** BALES STEVEN ; MEHDIPOUR MICHAEL ; WEECH CORY

International class (IPC 8–9): B60R9/06 B62D33/02 B62D33/027 (Advanced/Invention)

CPC: B60R9/06 B60R11/00 B60R2011/0036 B62D33/0273

US class: 296/37.6 296/50 296/57.1

Classification Explorer

Cited documents: USD761185 S1, US9010759 BB, US8651289 BB, US8127689 BB, US5435473 A, US5205446 A, US2016107584 AA, US2014252718 AA, US2005029747 AA,

Abstract:
Source: US2016023691A A utility board that may be securely attached to a tailgate in accordance with the principles of the invention. The utility board may include a cutting board, a channel for collecting fluids, one or more connection sites that may be located in various positions about utility board. The utility board may optionally include a rinsing device, electrical outlets, one or more heating elements, one or more utensil holders, and/or accessories for use in recreational activities such as playing games.

0) US2016128306A – UNIVERSALLY ATTACHABLE LEASH BAG FOR THE SANITA...

200) Family number: 62326188 (US2016128306A) © PatBase

Title: UNIVERSALLY ATTACHABLE LEASH BAG FOR THE SANITARY COLLECTION AND TRANSPORT OF PET WASTE AND PERSONAL ITEMS

Priority: US20140534666 20141106

Family:

Publication number	Publication date	Application number	Application date
US2016128306 AA	20160512	US20140534666	20141106
US9565836 BB	20170214	US20140534666	20141106

Probable Assignee: CONLEY CHRISTINE H

Assignee(s):(std)**:** CONLEY CHRISTINE H

Inventor(s):(std)**:** CONLEY CHRISTINE H

Agent(s): DAVID J

International class (IPC 8–9)**:** A01K27/00 A01K29/00 B31B29/60 (Advanced/Invention)

CPC: A01K27/008 B31B29/60 B31B70/60 B31B2160/20

US class: 206/38 493/214

Classification Explorer

Cited documents: USD488591 S1, USD393504 S1, US8839745 BA, US8720384 BB, US8397915 BB, US8353603 BB, US8256384 BB, US8196980 BA, US8186311 BB, US8113481 BA, US8038188 BA, US7976083 BB, US7704577 BB, US7695034 BB, US7506615 BA, US7410197 BB, US7367286 BB, US7073462 BA, US6991373 BB, US6964247 BA, US6588375 BB, US6571745 BB, US6418881 BA, US6314917 BA, US6257473 BA, US6237533 BA, US6199737 BA, US6085695 A, US6076717 A, US6073590 A, US6035809 A, US6019067 A, US5890637 A, US5887772 A, US5727500 A, US5718192 A, US5713616 A, US5560321 A, US5540469 A, US5447227 A, US5441017 A, US5265719 A, US4418733 A, US4244408 A, US4226456 A, US2012193386 AA, US2011239957 AA, US2011197820 AA, US2009261604 AA, US2009095225 AA, US2008137994 AA, US2007204805 AA, US2006231043 AA, US2006207522 AA, US2006054107 AA, US2005115520 AA, EP1111990 A1, EP0619944 A1,

Forward Citations: US2016157589,

Abstract:
Source: US2016128306A One embodiment of a universally attachable leash bag having an interior chamber for temporary storage of retrieved pet waste secured in waste bags and exterior pockets for supplies or personal belongings. Bag is formed of a single piece of material fitted with a zipper along the lower edges and partially up the side edges. When engaged, zipper creates a bag form with interior chamber. Zipper is utilized when emptying the chamber to prevent pet owner from direct handling of waste. The vertically extended sides of the bag, fitted with corresponding members of hook–and–loop tape, feed through the pet leash handle forming a secure method of attachment. The front edge of leash bag is fitted with a reinforcing device to create an opening for the extended end of the leash to pass through creating a secondary means of attachment and a utility hook for carrying items or tertiary means of attachment.

- **search:** SS3 FT=(water and (cooler or dispenser) and (bottom load*) and (storage or furniture or cabinet)) (Results 40)
- List: SS3 1–50 (FT=(water and (cooler or dispenser) and (bottom load*) and (storage or furniture or cabinet))) (Results 40)

0) US2004060319A – AIRFLOW MANAGEMENT IN COLD STORAGE APPLIANCES

1) Family number: 32694219 (US2004060319A) © PatBase

Title: AIRFLOW MANAGEMENT IN COLD STORAGE APPLIANCES

Priority:

AU20000070309	20000913	DE20011018281	20010726	EP20000958900	20000913
EP20020706926	20020313	DE20011029853	20011213	GB19990021564	19990913
WO2001GB04117	20010913	US20040845441	20040513	GB20010029853	20011213
WO2000GB03521	20000913	US20030471943	20030915	US20040844751	20040513
GB20011006164	20010313	GB20011018281	20010726	WO2002GB05654	20021213
WO2002GB01155	20020313	WO2002GB01139	20020313	WO2002GB01158	20020313
WO2002GB01139	20030909	WO2002GB01155	20030909		

Family:

Publication number	Publication date	Application number	Application date
AT274175 E	20040915	AT20000958900T	20000913
AT418708 E	20090115	AT20020708468T	20020313
AT423950 E	20090315	AT20020704976T	20020313
AU200070309 A5	20010417	AU20000070309	20000913
AU200186110 A5	20020326	AU20010086110	20010913
AU2002238775 AA	20020924	AU20020238775	20020313
AU2002238775 BB	20060831	AU20020238775	20020313
AU2002241089 AA	20020924	AU20020241089	20020313
AU2002241089 BB	20060831	AU20020241089	20020313
AU2002242831 AA	20020924	AU20020242831	20020313
AU2002242831 BB	20061026	AU20020242831	20020313
AU2002352380 AA	20030623	AU20020352380	20021213
AU2004200357 AA	20040226	AU20040200357	20040130
AU2004200357 BB	20070308	AU20040200357	20040130
AU766976 B2	20031030	AU20000070309	20000913
AU766976 C	20050317	AU20000070309	20000913
BRPI0013955 A	20020723	BR2000PI13955	20000913
BRPI0208087 A	20040302	BR2002PI08087	20020313
BRPI0208088 A	20040302	BR2002PI08088	20020313
BRPI0208089 A	20040302	BR2002PI08089	20020313
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Probable Assignee: APPLIED DESIGN AND ENG LTD

Assignee(s):(std)**:** APPLIED DESIGN AND ENGINEERING L ; WOOD IAN DAVID ; APPLIED ENGINEERING DESIGN LTD ; WOOD IAN D ; EHPPLAJD DIZAJN EHND INZHINIRI ; APPLIED DESIGN AND ENG LTD

Assignee(s): APPLIED DESIGN AND ENGINEERING ; M S APPLIED DESIGN AND ENGINEERING LTD ; EHPPLAJD DIZAJN EHND INZHINIRING LTD ; EHPPLAJD DIZAJN EHND INZHINIRING LIMITED ; APPLIED DESIGN AND ENGINEERING LIMITED ; APPLIED DESIGN AND ENGINEERING LTD ; APPLIED DESIGN AND ENGINEERING LTD SUFFOLK ; IAN DAVID WOOD

Inventor(s):(std)**:** WOOD IAN DAVID ; WOOD IAN ; WOOD I D ; DAVID WOOD IAN ; VUD JEN DEHVID

Inventor(s): IAN DAVID WOOD ; ID WOOD ; I D WOOD

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47B81/00 A47B88/04 A47B88/10 A47B88/14 A61B19/02 A61C19/02 B01L9/02 B65D88/00 B65D88/12 B65G69/00 F25D11/00 F25D11/02 F25D15/00 F25D17/04 F25D17/06 F25D21/04 F25D23/00 F25D23/02 F25D23/08 F25D23/10 F25D25/00 F25D25/02 (Advanced/Invention);
F25D11/00 F25D15/00 F25D17/04 F25D23/08 F25D25/00 F25D25/02 (Advanced/Non–invention);
A47B88/04 B65D88/00 B65G69/00 F25D11/00 F25D11/02 F25D15/00 F25D17/04 F25D17/06 F25D21/00 F25D23/00 F25D23/02 F25D23/08 F25D23/10 F25D25/00 F25D25/02 (Core/Invention);
F25D25/02 (Core/Non–invention);
B65D B65G F25D (Subclass/Invention)

International class (IPC 1–7): A45C11/20 A47B81/00 A47B88/04 A47B88/10 A47B88/14 A47B96/04 A47F3/04 A61B19/02 A61C19/02 B01L9/02 B60J7/02 B60P1/54 B60P3/20 B65D21/02 B65D43/00 B65D81/38 B65D88/12 B65G69/00 E04H5/10 F24F7/00 F25B1/10 F25B21/02 F25B27/00 F25B49/02 F25D11/00 F25D11/02 F25D13/02 F25D15/00 F25D17/00 F25D17/04 F25D17/06 F25D17/08 F25D19/00 F25D21/04 F25D23/00 F25D23/02 F25D23/08 F25D23/12 F25D25/00 F25D25/02 F25D3/00 F25D3/06 F25D3/08

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European class: A47B88/10 A47B88/14 B65D88/12B3C B65G69/00 F25D11/00B F25D11/02B F25D17/04A2 F25D21/04 F25D23/00B F25D23/02 F25D23/10 F25D25/00 F25D25/00A F25D25/02C2 R25D11/00B R25D17/04A4 R25D201/14 R25D21/04 R25D21/06A R25D21/14 R25D23/02C R25D25/00A R25D25/02C2 R25D321/1411 R25D400/08 R25D400/16 R25D400/30 R25D700/02 Y02B40/34

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Classification Explorer

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Abstract:
Source: US2004060319A A cold−storage appliance (2) includes an open−topped insulating container (16) defining an external surface; an insulating lid (22) adapted to close the open top of the container (16); a cooling means (24) adapted to cool the interior of the container (16); and a structure supporting the container (16), the lid and the cooling means; wherein the container (16) is mounted to the structure (4) for movement relative to the structure (6) and the lid (22) to open the container (16) and afford access to its interior or to close the container (16). A cold−storage appliance with air transfer valves (352, 356) that mitigate the piston effect experienced when opening and closing a drawer (4). Bellows (374) attached to the drawer (4) to maintain the vapour barrier.

2) Family number: 24224223 (US2002012611A) © PatBase

Title: METHODS FOR RAPIDLY IDENTIFYING USEFUL CHEMICALS IN LIQUID SAMPLE

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

International class (IPC 8–9): A61K45/00 B01J19/00 B01L3/00 B01L3/02 B01L9/00 C08G61/08 C12M1/00 C12M1/34 C12Q1/00 C40B60/14 G01N21/03 G01N21/15 G01N21/62 G01N21/64 G01N33/483 G01N33/52 G01N35/00 G01N35/02 G01N35/04 G01N35/10 G01N37/00 G06F17/00 (Advanced/Invention); A61K45/00 C12M1/00 C40B60/14 G01N21/64 G01N35/00 G01N35/04 G01N37/00 (Advanced/Non–invention); B01L3/00 B01L9/00 C08G61/00 C12M1/34 C12Q1/00 G01N21/03 G01N21/15 G01N21/64 G01N33/483 G01N33/52 G01N35/00 G01N35/02 G01N35/04 G06F17/00 (Core/Invention); C40B60/14 (Core/Non–invention)

International class (IPC 1–7): A01N1/02 A61K45/00 B01L3/00 B01L3/02 B01L3/14 B01L9/00 C08G61/08 C12M1/00 C12Q1/00 C12Q1/68 G01N1/10 G01N15/06 G01N21/00 G01N21/03 G01N21/62 G01N21/64 G01N21/76 G01N31/00 G01N33/00 G01N33/48 G01N33/483 G01N33/50 G01N33/52 G01N33/53 G01N33/543 G01N35/00 G01N35/02 G01N35/04 G01N37/00 G06F17/00 G06F19/00 G06F7/00

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Abstract:
Source: US2002012611A A high throughput chemical screening method uses methods of concurrent transport and/or processing to increase throughput. A screener may concurrently retrieve chemicals from an addressable chemical storage module and deliver chemicals to a liquid handling module. The screener may also use one transport lane for moving chemicals away from a storage module, and a second transport lane for moving chemicals toward the storage module.

0) US2013048118A – APPARATUS FOR DISPENSING A LIQUID FROM A LIQUID...

3) Family number: 53122590 (US2013048118A) © PatBase

Title: APPARATUS FOR DISPENSING A LIQUID FROM A LIQUID STORAGE CONTAINER

Priority: CA20122844261 20120827 CA20162844261 20161104 US20110373886 20111205 US20110137606 20110829 WO2012IB54389 20120827 US20160388429 20161222

Family:

Publication number	Publication date	Application number	Application date
AR087695 AA	20140409	AR2012P103167	20120828
BR112014004678 A2	20170613	BR20141104678	20120827
CA2844261 AA	20140204	CA20122844261	20120827
CA2844261 C	20161220	CA20122844261	20120827
CA2947225 AA	20130307	CA20122947225	20120827
CN103781721 A	20140507	CN201280041751	20120827
CN103781721 B	20151125	CN201280041751	20120827
EP2751019 A2	20140709	EP20120783284	20120827
HK1197225 A1	20150109	HK20140110794	20141028
HK1197225 A1	20160819	HK20140110794	20141028
HK1197225 A2	20150109	HK20140110794	20141028
JP2014529554 T2	20141113	JP20140527781T	20120827
JP5993011 B2	20160914	JP20140527781T	20120827
KR20140077160 A	20140623	KR20147008369	20120827
US2013048118 AA	20130228	US20110373886	20111205
US2013048681 AA	20130228	US20110137606	20110829
US2017101300 AA	20170413	US20160388429	20161222
US8887955 BB	20141118	US20110137606	20110829
US9527714 BB	20161227	US20110373886	20111205
WO13030753 A2	20130307	WO2012IB54389	20120827
WO13030753 A3	20130718	WO2012IB54389	20120827

Probable Assignee: CARDOMON INT LTD

Assignee(s):(std)**:** NICKERSON TYLER ; WALTON PHILIP A ; RIVARD DENNIS LAURIER ; VIPOND STEPHEN JAMES ; NICKERSON TYLER W ; RIVARD DENNIS L ; VIPOND STEPHEN J ; NICKERSON TYLER WAYNE ; CARDOMON INT LTD ; CARDOMON INTERNAT LTD

Assignee(s): CARDOMON INTERNATIONAL LIMITED

Inventor(s):(std)**:** DENNIS L RIVARD ; NICKERSON TYLER ; NICKERSON TYLER W ; NICKERSON TYLER W TW ; NICKERSON TYLER WAYNE ; PHILIP A WALTON ; RIVARD DENNIS L ; RIVARD DENNIS L DL ; RIVARD DENNIS LAURIER ; STEPHEN J VIPOND ; TYLER W NICKERSON ; VIPOND STEPHEN J ; VIPOND STEPHEN J SJ ; VIPOND STEPHEN JAMES ; WALTON PHILIP A ; WALTON PHILIP A PA

Agent(s): BULL HOUSSER AND TUPPER LLP; REGEHR HERBERT B; NORTON ROSE FULBRIGHT CANADA LLP; CARLSSON EVA; MEREK BLACKMON AND VOORHEES LLC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B67D1/00 B67D1/07 B67D1/08 B67D1/10 B67D1/12 B67D3/00 B67D7/06 B67D7/62 B67D7/78 B67D7/84 E03B5/00 (Advanced/Invention); B65B3/04 B65D35/28 B65D83/00 B67D7/58 E03B7/07 E03B7/12 (Advanced/Non–invention); B67D (Subclass/Invention)

CPC:

B67D1/0057 B67D1/0861 B67D2001/0812 B67D2210/00034 B65B3/04 B65D35/28 B65D83/00 B67D1/00 B67D7/58 E03B7/077 E03B7/12 B67D1/0016 B67D3/0038 B67D2210/0006 Y10T137/85978 B67D1/07 B67D1/125 B67D1/10 B67D2001/075 B67D1/0801 B67D1/0009 B67D3/00

US class: 137/565.01 141/198 222/110 222/146.6 222/173 222/333 222/380 222/382 222/464.7 222/512 222/67 62/399

Classification Explorer

Cited documents: WO03062131 A1, US7878372 BA, US7669738 BA, US7458388 BB, US7131556 BB, US7111762 BB, US7062937 BA, US6959836 BB, US6868986 BA, US6793099 BA, US6648177 BB, US6444334 BA, US6443334 BA, US6299023 BA, US6101835 A, US5979709 A, US5911341 A, US5673817 A, US5667103 A, US5573142 A, US5505335 A, US5495725 A, US5439145 A, US5361942 A, US5282590 A, US5246141 A, US5240144 A, US5192004 A, US5121857 A, US4958747 A, US4560089 A, US4523903 A, US4484594 A, US4030634 A, US2011215114 AA, US2010252585 AA, US2007278250 AA, US2006226176 AA, US2005072813 AA, US135617 A, US07131556, JP9504496 T2, JP9504496, JP5505348, JP55005348 A2, JP2008509850 T2, JP2008509850, EP1778581 B1, EP0581491 B1, CN101873888 A,

Forward Citations: WO16185307, WO16120702, US9714164, US9527639, US2015360923, CN104643933,

Abstract:
Source: US2013048118A A removable liquid transport assembly configured to be readily installed in and removed from a liquid dispenser to permit the liquid dispenser to be readily sanitized. The removable liquid transport assembly preferably includes a liquid manifold, a valve assembly and a pump head. The removable liquid transport assembly is configured such that liquid can flow in a first direction through the removable liquid transport assembly to permit a liquid to be dispensed from a liquid dispenser and liquid can flow in a second direction back to a liquid storage container to prevent damage to one or more components of the liquid dispenser.

0) US2014208951A – BOTTLED WATER DISPENSERS WITH SINGLE–SERVE COFF...

4) Family number: 54360742 (US2014208951A) © PatBase

Title: BOTTLED WATER DISPENSERS WITH SINGLE–SERVE COFFEE BREWING FEATURES

Priority: CN201310106511 20130329 US20130011689 20130827 US20140205247 20140311 US20130751996 20130128 US20130858911 20130408 US20160225735 20160801 US20160997558 20160117

Family:

Publication number	Publication date	Application number	Application date
CN103202663 A	20130717	CN201310106511	20130329
CN103202663 B	20141203	CN201310106511	20130329
US2014208951 AA	20140731	US20130751996	20130128
US2014208953 AA	20140731	US20140205247	20140311
US2014208955 AA	20140731	US20130858911	20130408
US2014238245 AA	20140828	US20130011689	20130827
US2016338528 AA	20161124	US20160225735	20160801
US9271603 BB	20160301	US20130011689	20130827

Probable Assignee: ELECTROTEMP TECHNOLOGIES CHINA INC

Assignee(s):(std)**:** ELECTROTEMP TECHNOLOGIES CHINA INC ; QIUBO WANG ; YUI ANDREI ; YUI GEORGE ; YUI GEORGE M

Inventor(s):(std)**:** YUI GEORGE M ; YUI GEORGE ; YUI ANDREI ; YU QIAOZHI ; QIUBO WANG

International class (IPC 8–9)**:** A47J31/00 A47J31/36 A47J31/40 A47J31/46 A47J31/56 B67D3/00 B67D7/80 (Advanced/Invention)

CPC: A47J31/465 A47J31/407 B67D1/0004 B67D1/001 B67D1/0884 B67D1/0888 B67D1/1202 B67D1/1243 B67D2210/00118 B67D1/0857 B67D1/0895 A47J31/3628 A47J31/3695 B67D3/0009 B67D3/0019

US class: 1/1 165/48.1 99/280 99/285 99/290 99/295

Classification Explorer

Cited documents: US9271603 BB, US8636174 BA, US8606092 BB, US8540118 BB, US8276787 BA, US8225961 BB, US7866508 BB, US7856920 BB, US7552672 BB, US7028603 BA, US6636151 BB, US6164189 A, US6148146 A, US6073539 A, US6053092 A, US5865097 A, US5816135 A, US5584229 A, US5540355 A, US5285718 A, US5043689 A, US4575615 A, US4567350 A, US4480173 A, US4360128 A, US3787659 A, US3345934 A, US3100434 A, US2013186282 AA, US2013171320 AA, US2013034344 AA, US2011259913 AA, US2011044671 AA, US2010252570 AA, US2010092625 AA, US2008264877 AA, US2008190297 AA, US2007029005 AA, US2007006737 AA, US2007000949 AA, US2006107841 AA, US2006096465 AA, US2005188855 AA, US2005150391 AA, US2004187693 AA, US2004031394 AA, CN202960125 U, CN201365835 Y, CN1500432 A, CN101950187 A, CN101276211 A,

Forward Citations: US9440839, US2015374168, US2014208953, CN106438437, CN105739568, CN104423401, CN104423401, CN104161457, CN104161457,

Abstract:
Source: US2014208951A Water dispenser and coffee making devices that include a cabinet configured to house a water bottle in a bottom half of the interior portion of the cabinet; a cold tank that is configured to receive water from the water bottle, which is connected to an evaporator; one or more hot tanks that are configured to receive water (directly or indirectly) from the cold tank, which are connected to a heating coil to heat the water that is contained therein; and a coffee making device located on a top side of the cabinet, which (i) receives water from the hot tank, receives a disposable cartridge that contains coffee grinds for a single–serving of coffee, and causes water to contact the coffee grinds to produce a coffee beverage and (ii) employs a blunt– and sharp–ended spike, which are positioned to make water entry and exit apertures in the coffee cartridge, which are positioned in a way that prevents user injury from such spikes.

0) US2016362285A – BOTTOM–LOADING BOTTLED WATER DISPENSERS WITH HO...

5) Family number: 64367646 (US2016362285A) © PatBase

Title: BOTTOM–LOADING BOTTLED WATER DISPENSERS WITH HOT WATER SANITIZING FEATURES

Priority: US20150173307P 20150609 US20150751081 20150625 US20150857521 20150917

Family:

Publication number	Publication date	Application number	Application date
EP3103762 A1	20161214	EP20150176558	20150713
US2016362285 AA	20161215	US20150751081	20150625
US2016362286 AA	20161215	US20150857521	20150917
WO16197230 A1	20161215	WO2015CA50641	20150710
WO16197243 A1	20161215	WO2016CA50652	20160608

Probable Assignee: YUI ANDREI

Assignee(s):(std)**:** YUI ANDREI ; YUI GEORGE

Inventor(s):(std)**:** YUI ANDREI ; YUI GEORGE

Agent(s): MCQUEEN ANDREW PETER; MILTONS IP PI

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61L2/04 B67D1/00 B67D1/07 B67D1/08 B67D1/10 B67D3/00 B67D7/32 B67D7/80 B67D7/82 C02F1/02 C02F1/32 (Advanced/Invention)

CPC: B67D1/07 B67D1/0857 B67D1/0888 B67D1/0878 B67D1/10 B67D2001/075 B67D1/0014 B67D1/0858 B67D3/0009 B67D3/0022 B67D3/0029 B67D2210/00015 B67D2210/00026 B67D2210/00102 B67D2210/00118 B67D1/0009 B67D1/0895 B67D3/0038 B67D1/0859 B67D1/1277 B67D2001/1261 B67D2001/1263 B67D2210/0001 B67D2210/00013 B67D2210/00154 B67D2210/00157

US class: 222/146.1

Classification Explorer

Cited documents: WO14065078 A1, WO10076581 A2, WO05068349 A1, US6561382 BB, US6143258 A, US5441179 A, US2011315711 AA, US2009029775 AA, GB2022979 A1, EP2816004 A1, EP0963338 A1, CA2798899 AA, CA2794314 AA, CA2698177 AA, CA2592925 AA, CA2435587 AA,

Abstract:
Source: US2016362285A Bottom–loading bottled water dispensers are disclosed that include hot water sanitizing capabilities (and, optionally, UV light sanitizing features). The dispensers include a water bottle that is operably connected to a pump that is configured to extract water from the bottle and force the water through one or more tubes and into a cold tank. The cold tank includes an evaporator that is configured to chill the water in the cold tank. The dispensers further include a hot tank that is fluidly coupled to the cold tank through one or more tubes, with the hot tank being attached to a heating element that is configured to heat the water in the hot tank. In addition, the dispensers include an electronic control board that is configured to heat a volume of water contained in the cold tank above a defined threshold temperature and for a defined period of time that is effective to sanitize the internal surfaces of the cold tank.

0) US2002079016A – METHOD FOR DISPENSING FUEL

6) Family number: 29962542 (US2002079016A) © PatBase

Title: Method for dispensing fuel

Priority: CA19892000681 19891013 US19890332462 19890330 US19900607567 19901101 US19910760747 19910916 US19980457544 19980409 US19990457544 19991209 US19980032187 19980227 US19980032186 19980227 US19960720806 19961001 US19940215224 19940321 US19940194751 19940210 US20000517949 20000303 US20010981028 20011017 US20000718594 20001122

Family:

Publication number	Publication date	Application number	Application date
CA2000681 AA	19900930	CA19892000681	19891013
CA2000681 C	19980811	CA19892000681	19891013
US2002079016 AA	20020627	US20010981028	20011017
US4988020 A	19910129	US19890332462	19890330
US5305926 A	19940426	US19900607567	19901101
US5562162 A	19961008	US19940215224	19940321
US5950872 A	19990914	US19960720806	19961001
US5988439 A	19991123	US19980032186	19980227
US6039123 A	20000321	US19980032187	19980227
US6182710 BA	20010206	US20000517949	20000303
US6216790 BA	20010417	US19990457544	19991209

Probable Assignee: U FUEL INC

Assignee(s):(std)**:** FUEL INC NV U ; FUEL INC U ; FUEL INC U NV ; FUEL U ; U FUEL INC ; WEBB R MICHAEL

Assignee(s): U FUEL INC NV ; U FUEL INT ; U FUEL PO BOX ; U FUEL

Inventor(s):(std)**:** WEBB R MICHAEL

Agent(s): GOWLING LAFLEUR HENDERSON LLP

International class (IPC 8–9)**:** B60S5/02 B64F1/28 B67D5/04 B67D5/60 B67D5/64 B67D7/04 B67D7/78 B67D7/84 (Advanced/Invention)

International class (IPC 1–7)**:** A62C2/00 B60S5/02 B65B1/04 B65B3/04 B65D25/00 B67D1/16 B67D5/00 B67D5/08 B67D5/60 B67D5/64

CPC: B60S5/02 B64F1/28 B67D7/04 B67D7/78 B67D7/84

European class: B60S5/02 B64F1/28 B67D7/04 B67D7/78 B67D7/84

US class: 141/1 141/18 141/2 141/231 141/2P 141/82 141/86 141/88 141/94 169/45 169/66 220/464 220/560.03 220/560.1 220/560.12 220/565 220/88.1 222/1 222/108 222/111 222/129 222/131 222/173 222/183 222/2 222/54 222/608

Classification Explorer

Cited documents: US923183 A, US5573066 A, US5538052 A, US5333785 A, US5330009 A, US5314027 A, US5284191 A, US5265656 A, US5104700 A, US5088530 A, US5081761 A, US5038456 A, US5032447 A, US5010238 A, US4986436 A, US4960346 A, US4960222 A, US4911326 A, US4881579 A, US4842139 A, US4839065 A, US4838356 A, US4807675 A, US4784902 A, US4782511 A, US4685327 A, US4638928 A, US4615362 A, US4593714 A, US4561292 A, US4561202 A, US4541545 A, US4527708 A, US450494 A, US4501305 A, US4469129 A, US4403075 A, US4397405 A, US4354620 A, US4346012 A, US4278115 A, US4249392 A, US4177863 A, US4131214 A, US4097724 A, US4085313 A, US3931497 A, US3889701 A, US3863687 A, US3835930 A, US3786421 A, US3782599 A, US3601284 A, US3421665 A, US3419882 A, US3366280 A, US3240388 A, US3172581 A, US3172566 A, US3120273 A, US3019843 A, US3016161 A, US2867282 A, US2792148 A, US2784747 A, US2757823 A, US2757744 A, US2524313 A, US2449270 A, US2425962 A, US2327475 A, US2307616 A, US2285830 A, US2259319 A, US2189945 A, US2141638 A, US2056179 A, US1908684 A, US1832776 A, US1604257 A, US1588863 A, US1562991 A, US150606 A, US1331615 A, US1263751 A, GB944916 A, GB1007251 A, FR850828 A,

Forward Citations: WO9967170, WO9749585, WO9614244, WO9530564, WO9420341, WO16109676, WO13059586, WO12143740, WO10075563, WO08151375, WO08137440, WO08124973, WO06066515, WO03000584, WO0220393, WO0208091, WO0208091, USRE37144, USD680557, US9530290, US9284178, US9279420, US9216892, US9027794, US8807599, US8720499, US8662117, US8528766, US8403071, US8381775, US8328040, US7882897, US7673657, US7661446, US7455194, US7328728, US7096895, US7070096, US6974054, US6962269, US6935161, US6934644, US6925397, US6914186, US6909986, US6748982, US6725800, US6691061, US6401045, US6390157, US6360141, US6349873, US6302166, US6301523, US6257437, US6250345, US6202867, US6184793, US6152197, US6109290, US6065511, US6056168, US5983962, US5979513, US5975371, US5975132, US5971039, US5954085, US5904190, US5893398, US5865346, US5711456, US5704517, US5657788, US5573066, US5538052, US5515889, US5460208, US5400924, US5365980, US5327948, US5323820, US5246044, US5230374, US5114046, US5082034, US2015362126, US2014330657, US2014312076, US2014110436, US2012186666, US2012180905, US2011186581, US2011101024, US2011000909, US2010230002, US2009242571, US2009071565, US2009026212, US2009007983, US2009005902, US2009000691, US2008271811, US2008230146, US2008135264, US2007278248, US2007244839, US2006283508, US2006118563, US2005205157, US2005196844, US2005115621, US2005034508, US2004208450, US2004187951, US2004164144, US2004117135, US2004045732, US2004044497, US2003230593, US2003230592, US2003140841, RU2604763, NL1015476, KR101270544, JP2010523419, FR2796927, FR2777551, FR2683782, ES2189577, EP1168257, EA11185, EA015663, EA011185, DE29701519, CN103332415, CN103332415, AU2007350949,

Abstract:
Source: US2002079016A An improved aboveground system for storing a combustible fluid such as gasoline includes a storage tank that is constructed and arranged to store a combustible fluid such as gasoline and an outer tank to provide secondary containment. An interstitial space is defined between the outer tank and the storage tank. A pipe for communicating with the storage tank extends through the wall of the storage tank, into the interstitial space and through the interstitial space for a distance so as to extend substantially parallel to at least one of the walls of the outer tank and the storage tank, and then through the wall of the outer tank, whereby fluid may be supplied to or withdrawn from the storage tank. Advantageously, access structure is provided for gaining access through the wall of the outer tank to the portion of the pipe that extends through the interstitial space for a distance so as to extend substantially parallel to at least one of the walls of the outer tank and the storage tank.

0) US2010252570A – BOTTOM LOADING WATER COOLER

7) Family number: 46800390 (US2010252570A) © PatBase

Title: BOTTOM LOADING WATER COOLER

Priority: CA20092682823 20091015 CA20122781359 20120628 US20090416781 20090401 US20110177521 20110706 US20130018453 20130905

Family:

Publication number	Publication date	Application number	Application date
CA2682823 AA	20100823	CA20092682823	20091015
CA2682823 C	20130115	CA20092682823	20091015
CA2781359 AA	20130106	CA20122781359	20120628
US2010252570 AA	20101007	US20090416781	20090401
US2011259913 AA	20111027	US20110177521	20110706
US2014131385 AA	20140515	US20130018453	20130905

Probable Assignee: ELECTROTEMP TECHNOLOGIES CHINA

Assignee(s):(std)**:** ELECTROTEMP TECHNOLOGIES CHINA ; ELECTROTEMP TECHNOLOGIES CHINA INC ; YUI ALEXANDER SASCHA ; YUI GEORGE M ; YUI GEORGE

Assignee(s): YUI ANDREI

Inventor(s):(std)**:** YUI ALEXANDER SASCHA ; YUI GEORGE ; YUI GEORGE M

Agent(s): MILTONS IP PI; HPF

International class(IPC 8–9)**:** B65D83/00 B67D1/00 B67D1/04 B67D1/08 B67D1/12 B67D1/16 B67D3/00 B67D5/62 B67D5/64 B67D7/06 B67D7/76 (Advanced/Invention); B67D1/00 (Core/Invention)

CPC: B67D1/1247 B67D1/0431 B67D1/06 B67D1/0871 B67D1/0888 B67D1/1243 B67D1/0004 B67D1/0801 B67D1/0857

European class: B67D1/00E2 B67D1/08A B67D1/08D

US class: 222/108 222/108S 222/146.6 222/146.600S 222/160 222/160S 222/173 222/173S 222/189.1 222/189.100S 222/400.7 222/400.700S 222/66 222/66P 222/67 222/67P 222/67S

Classification Explorer

Cited documents: US7131556 BB, US6962319 BB, US6453955 BA, US6056154 A, US5042689 A, US4958747 A, US4174743 A, US4030634 A, US3584472 A, US3495612 A, US3269143 A, US2880910 A, US2008014064 AA, US2007072496 AA, US2005000980 AA, US2004226313 AA, US2002125183 AA,

Forward Citations: WO12166376, US9598533, US9340404, US9175134, US2015129607, US2014208951, US2013118972, US2012152982, EP2910519, EP2821365, EP2821364, CN104643933,

Abstract:
Source: US2010252570A Bottom loading water coolers are disclosed, which include (1) a cabinet having an exterior portion and an interior portion; (2) a water bottle disposed in the bottom half of the interior portion of the cabinet; (3) a cold tank disposed in the top half of the interior portion of the cabinet and above the water bottle; (4) a bottle tray disposed in the bottom half of the interior portion of the cabinet that is configured to receive the water bottle in an upright position, such that the bottle tray may be reversibly pulled out of, and pushed into, the interior portion of the cabinet; (5) a pump that injects air into the water bottle at defined and periodic intervals; and (6) a specialized probe for transferring water from the water bottle to the cold tank (and for delivering air from a pump to the water bottle).

0) US2010005825A – BOTTLED WATER COOLER WITH OZONE STERILIZING DEV...

8) Family number: 43798976 (US2010005825A) © PatBase

Title: BOTTLED WATER COOLER WITH OZONE STERILIZING DEVICE

Priority: CA20122798899 20121214 CN200820121255U 20080711 CN200820176993U 20081121 US20090395633 20090228 US20090295633 20090228 US20120438024 20120403

Family:

Publication number	Publication date	Application number	Application date
CA2671811 AA	20100111	CA20092671811	20090713
CA2798899 AA	20131003	CA20122798899	20121214
CN201308399 Y	20090916	CN200820176993U	20081121
US2010005825 AA	20100114	US20090395633	20090228
US2012189502 AA	20120726	US20120438024	20120403
WO10003241 A1	20100114	WO2009CA00954	20090713

Probable Assignee: ELECTROTEMP TECHNOLOGIES CHINA

Assignee(s):(std)**:** ELECTROTEMP TECHNOLOGIES CHINA ; QIAOZHI YU ; YUI GEORGE M ; YUI GEORGE

Assignee(s): YUI GEORGE M2013 – 260 SCARLETT ROADTORONTOO1M6N 4X6CA ; YU QIAOZHI ; YUI ANDREI ; ELECTROTEMP TECHNOLOGIES CHINA INC ; ELECTROTEMP TECHNOLOGIES CHINA INC9 YAN SHAN HE BUI LUZHEJIANG315800PRCNINGBOCN

Inventor(s):(std)**:** QIAOZHI YU ; YUI GEORGE ; YUI GEORGE M

Inventor(s): YUI GEORGE M2013 – 260 SCARLETT ROADTORONTOO1M6N 4X6CA ; YU QIAOZHI

Agent(s): MILTONS IP PI; HPF; KHAN SHEEMA

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47J31/00 A47J31/44 A61L2/20 A62B7/10 B01J19/08 B01J19/12 B01J7/00 B67D1/07 B67D1/08 B67D3/00 B67D5/06 B67D5/08 B67D5/62 B67D5/64 B67D7/76 C02F1/50 C02F1/78 (Advanced/Invention); A61L2/20 B67D1/00 B67D3/00 C02F1/50 C02F1/78 (Core/Invention)

CPC: B67D3/0038 B67D3/0032 B67D1/0857 B67D1/0858 B67D1/0895 B67D1/103 B67D2210/00002 B67D2210/00007 B67D2210/00013 B67D2210/00023 C01B13/10

European class: B67D1/08D B67D1/08D2 B67D1/08L B67D1/10B2B B67D3/00H2 B67D3/00K C01B13/10 L67D210/00B L67D210/00B2B L67D210/00B4 L67D210/00B4H

US class: 222/130 222/130S 222/146.6 222/146.600S 222/185.1 222/185.100S 222/639 222/639S 222/67 222/67S 422/122 422/122S 422/168 422/168P 422/186.07 422/186.070S 422/186.11 422/186.110S 422/305 422/305S 62/389 62/389P

Classification Explorer

Cited documents: WO06015480 A1, US6561382 BB, US6058718 A, US5839155 A, US5540355 A, US5431205 A, US5366619 A, US4206157 A, US3774808 A, US3726404 A, US2007272620 AA, US2004074252 AA, US2003000966 AA, KR20020096217 A, GB2022979 A1, CN2544653 Y, CN2279133 Y, CA2592925 AA,

Forward Citations: WO17045067, WO16197243, WO15054435, WO13045508, US9572454, US9561451, US2016362287, US2016046478, US2016045852, US2015129607, US2014263433, US2014226960, US2011100503, JP2014527947, EP2574593, CN104887075, CN103827017, CN103827017,

Abstract:
Source: US2010005825A Devices and methods for sterilizing bottled water coolers and water dispensed therefrom. According to certain embodiments, the invention includes a bottled water cooler, which comprises a water bottle, an exterior cabinet, a cold tank, a bottle receptacle located on top of the cold tank that is configured

to receive the water bottle in an inverted position, and an ozone generator. The ozone generator is capable of dispensing ozone gas within the space located above a volume of water contained within the cold tank, such that the ozone gas will be effective to sterilize the interior portions of the cold tank located above the volume of water.

0) US2008053564A – BOTTOM LOAD WATER COOLER

9) Family number: 41575352 (US2008053564A) © PatBase

Title: BOTTOM LOAD WATER COOLER

Priority: US20060468380 20060830 US20080056038 20080326 US20080116407 20080507

Family:

Publication number	Publication date	Application number	Application date
US2008053564 AA	20080306	US20060468380	20060830
US2009242585 AA	20091001	US20080056038	20080326
US2009277535 AA	20091112	US20080116407	20080507
US7434603 BB	20081014	US20060468380	20060830
US8281821 BB	20121009	US20080116407	20080507

Probable Assignee: MNT PRODUCTS INC

Assignee(s):(std)**:** BURNHAM LOWELL ; CHEN HUNG HSIANG ; CHUAN SIAK JENN ; HAVENER TERRY ; MTN PRODUCTS INC ; SPEAR GREGORY N ; WANG CHUN YEN

Assignee(s): MNT PRODUCTS INC

Inventor(s):(std)**:** BURNHAM LOWELL ; CHEN HUNG HSIANG ; CHUAN SIAK JENN ; HAVENER TERRY ; SPEAR GREGORY N ; WANG CHUN YEN

Agent(s): MICHAEL P MAZZA LLC; MICHAEL P

International class(IPC 8–9)**:** B65B3/00 B65B3/04 B65D88/54 B67C3/00 B67C3/26 B67D1/16 B67D5/06 B67D5/16 B67D5/30 B67D5/64 B67D7/06 B67D7/16 B67D7/30 B67D7/84 E03B11/00 (Advanced/Invention); B65B3/00 B65B3/04 B65D88/00 B67C3/00 B67C3/02 B67D1/00 B67D7/06 B67D7/08 B67D7/84 E03B11/00 (Core/Invention)

CPC: Y10T137/86276 B67D1/0009 B67D1/0807 B67D1/0891 B67D2001/0814 B67D2210/00041 B67D2210/00097 B67D3/0032

European class: B67D1/00E4 B67D1/08A8 B67D1/08K2 B67D3/00H2 B67D3/00H4 L67D1/08A32B L67D210/00D10B L67D210/00D2F

US class: 137/581 137/581S 141/284 141/284S 141/319 141/320 141/320S 141/363 141/364 141/82 222/108 222/108S 222/14 222/14P 222/164 222/164S 222/183 222/183S 222/185.1 222/185.100S 222/325

Classification Explorer

Cited documents: US7909197 BB, US7905374 BB, US7886921 BB, US7866508 BB, US7762292 BB, US7669738 BA, US7597215 BB, US7306723 BB, US7287555 BB, US7150163 BA, US6926171 BB, US6921003 BB, US6530399 BB, US6352183 BA, US6167921 BA, US6167921 B1, US6155460 A, US6029860 A, US5957316 A, US5711380 A, US5676278 A, US5653270 A, US5647416 A, US5533651 A, US5526961 A, US5464127 A, US5454409 A, US5454091 A, US5431205 A, US5413152 A, US5395590 A, US5337922 A, US5295519 A, US5295518 A, US5289855 A, US5289854 A, US5273083 A, US5259534 A, US5232125 A, US5222531 A, US5222530 A, US5213309 A, US5133482 A, US5121778 A, US5115842 A, US5031676 A, US4991635 A, US4972976 A, US4902320 A, US4898308 A, US4874023 A, US4846236 A, US4834267 A, US4793514 A, US4722463 A, US4717051 A, US4711380 A, US4699188 A, US4597423 A, US4445551 A, US4444340 A, US4421146 A, US4356848 A, US4267945 A, US4244467 A, US4239130 A, US4137930 A, US4124146 A, US3993218 A, US3974863 A, US3973602 A, US3966093 A, US3920149 A, US3893599 A, US3892235 A, US3843021 A, US3802606 A, US3774658 A, US3768501 A, US3606096 A, US3540402 A, US3341073 A, US3207190 A, US3193143 A, US3033247 A, US2811272 A, US2689669 A, US2388111 A, US2191918 A, US2072629 A, US2057238 A, US2009159154 AA, US2007095859 AA, US2004129723 AA, US1976007 A, US1960604 A, US1948644 A, US1933192 A, US1337206 A, US1319376 A, US1248705 A, US1241352 A,

Forward Citations: WO16157124, WO15073164, WO12081134, WO10020644, WO09126821, USD701411, USD652668, USD652242, USD640891, USD630471, US9252570, US8905269, US8690028, US8464766, US8408420, US8299656, US8176948, US8037908, US2015129607, US2013264439, US2010126595, US2010116847, US2010005811, US2009304487, US2009302724, US2009242074, US2007137726, JP5789334, JP4843748, JP4802299, JP2016078864, EP2980012, EP2899155, EP2857346,

EP2465815, EP2157044, EA021827, CN102892703,

Abstract:
Source: US2008053564A A liquid dispensing apparatus and method for using same, including a dispenser for dispensing liquid such as water to a user. A liquid container is located below the dispenser and removably attachable to a pivoting cradle engaging the liquid container. The cradle may be pivoted about an axis located adjacent an exit location for liquid within the liquid container. A filling device may be located below the liquid container for removably engaging the liquid container in fluid communication.

10) Family number: 57982110 (US2014360948A) © PatBase

Title: DEVICE AND METHOD FOR SANITIZING SURFACES AND TREATING WATER USING OZONE

Priority: US20130832193P 20130607 US20140297706 20140606 US20140930659P 20140123 WO2014US41219 20140606

Family:

Publication number	Publication date	Application number	Application date
CN105451858 A	20160330	CN201480044361	20140606
EP3003534 A1	20160413	EP20140806926	20140606
EP3003534 A4	20170125	EP20140806926	20140606
JP2016525939 T2	20160901	JP20160518020T	20140606
US2014360948 AA	20141211	US20140297706	20140606
WO14197759 A1	20141211	WO2014US41219	20140606

Probable Assignee: LVD ACQUISITION LLC

Assignee(s):(std)**:** LVD ACQUISITION LLC

Inventor(s):(std)**:** BUSICK LOUIS ; BUSICK LOUIS M

Agent(s): SKRBA SINEAD; ROGERS MELISSA A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61L2/18 A61L2/24 B01D47/10 B01F5/06 C02F1/50 C02F1/78 E03C1/10 (Advanced/Invention)

CPC: C02F1/78 C02F2209/003 C02F2209/005 C02F2301/046 C02F2201/005 C02F2201/78

US class: 210/136 210/141 210/192 210/760

Classification Explorer

Cited documents: WO09036512 A1, WO03033402 A2, US6200473 BA, US6076808 A, US5824243 A, US5368815 A, US5207993 A, US4842723 A, US4619763 A, US2013341285 AA, US2010147690 AA, US2006021634 AA, US2003156978 AA, US2003000896 AA, CN2934225 Y,

Abstract:
Source: US2014360948A A system for and method of sanitizing water and waterway surfaces using ozone gas is disclosed wherein water is circulated from a water reservoir in a water ozonation loop means. Ozone is generated by an ozone generator and dispensed into the circulating water by an ozone feed means. In some embodiments the ozone is generated from gas in the water reservoir and dispensed into the water ozonation loop means at a venturi tube. A controller is provided for activating an ozonation cycle. In some embodiments, the ozonation cycle includes the actuation of a circulating water pump for a cycle interval, and the actuation of an ozone generator during an ozone generation interval, which is less than the cycle interval.

0) US2008223429A – SOLAR CELL (SLIVER) SUB–MODULE FORMATION

11) Family number: 32678641 (US2008223429A) © PatBase

Title: SOLAR CELL (SLIVER) SUB–MODULE FORMATION

Priority: AU20040904476 20040809 AU20040904478 20040809 AU20050903173 20050617 AU20040904479 20040809 AU20050903172 20050617 AU20050270738 20050809 AU20060257715 20060616 WO2005AU01193 20050809 WO2006AU00840 20060616 AU20120201554 20120315 US20080922275 20081028 US20120427347 20120322 AU20120247080 20121031

Family:

Publication number	Publication date	Application number	Application date
AU2005270738 AA	20060216	AU20050270738	20050809
AU2006257715 AA	20061221	AU20060257715	20060616
AU2012201554 AA	20120405	AU20120201554	20120315
AU2012247080 AA	20121129	AU20120247080	20121031
CA2576868 AA	20070206	CA20052576868	20050809
CA2612383 AA	20071217	CA20062612383	20060616
CN101228638 A	20080723	CN200680026610	20060616
CN101228638 B	20100908	CN200680026610	20060616
EP1779415 A1	20070502	EP20050769785	20050809
EP1779415 A4	20111228	EP20050769785	20050809
EP1900038 A1	20080319	EP20060752613	20060616
EP1900038 A4	20120104	EP20060752613	20060616
HK1099965 A3	20070831	HK20070107628	20070717
IL181199 A0	20070704	IL20050181199	20050809
IL188136 A0	20080320	IL20060188136	20060616
IN01105DN2007 A	20070427	IN2007DN01105	20070209
IN09768DN2007 A	20080620	IN2007DN09768	20071217
JP2008509564 T2	20080327	JP20070525128T	20050809
JP2008544502 T2	20081204	JP20080516075T	20060616
JP5219512 B2	20130626	JP20070525128T	20050809
KR101257786 B1	20130430	KR20077005620	20050809
KR20070074550 A	20070712	KR20077005620	20050809
KR20080039873 A	20080507	KR20087001334	20060616
US2008223429 AA	20080918	US20050660006	20050809
US2009308430 AA	20091217	US20060922275	20060616
US2012234369 AA	20120920	US20120427347	20120322
WO06015430 A1	20060216	WO2005AU01193	20050809
WO06133507 A1	20061221	WO2006AU00840	20060616
ZA200711166 A	20090128	ZA20070011166	20071220

Probable Assignee: AUSTRALIAN NATIONAL UNIV

Assignee(s):(std)**:** AUSTRALIAN NAT UNIV A BO ; AUSTRALIAN NAT UNIVERSITY A BO ; EVERETT VERNIE ALLAN ; BLAKERS ANDREW WILLIAM ; TRANSFORM SOLAR PTY LTD ; UNIV AUSTRALIAN ; WEBER KLAUS JOHANNES

Assignee(s): TRANSFORM SOLAR PTY LTD50 BRIDGE STREETLEVEL 392000NEW SOUTH WALESSYDNEYAU ; UNIV AUSTRALIAN EVERETT VERNIE ALLAN BLAKERS ANDRE ; THE AUSTRALIAN NATIONAL UNIVERSITY A BODY CORPORATE ESTABLISHED BY THE AUSTRALIAN ; ORIGIN ENERGY SOLAR PTY LTD284 – 278 GEORGE STREETLEVEL 45, AUSTRALIA SQUARENSW 2000SYDNEYAU ; AUSTRALIAN NATIONAL UNIVAUSTRALIAN CAPITAL TERRITORY 0200ACTONAU ; THE AUSTRALIAN NATIONAL UNIVERSITY ; ORIGIN ENERGY SOLAR PTY LTD ; AUSTRALIAN NATIONAL UNIV ; AUSTRALIAN NATIONAL UNIV A BODY CORPORATE ESTABLISHED BY AUSTRALIAN

Inventor(s):(std): ALLAN EVERETT VERNIE ; BLAKERS ANDREW WILLIAM ; JOHANNES WEBER KLAUS ; WEBER KLAUS JOHANNES ; WILLIAM BLAKERS ANDREW ; EVERETT VERNIE ALLAN ; BLAKERS ANDREW WILLIAMS

Inventor(s): BLAKERS ANDREW ; EVERETT VERNIE ALLANAU ; WEBER KLAUS ; EVERETT VERNIE ; KLAUS JOHANNES WEBER ; VERNIE ALLAN EVERETT ; BLAKERS ANDREW WILLIAMAU ; ANDREW WILLIAM BLAKERS

Agent(s): SPRUSON AND FERGUSON; SMART AND BIGGAR; FROST ALEX JOHN; HAMILTON BROOK SMITH AND REYNOLDS PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B26D7/02 B65G47/24 B65H1/02 B65H1/30 B65H3/44 B65H39/10 G11B17/26 H01L H01L21/02 H01L21/301 H01L21/50 H01L21/58 H01L21/60 H01L21/67 H01L21/68 H01L31/02 H01L31/0352 H01L31/042 H01L31/043 H01L31/0475 H01L31/048 H01L31/05 H01L31/052 H01L31/18 H02S20/00 H02S40/22 H02S40/42 (Advanced/Invention); B23K101/40 H01L31/02 H01L31/042 (Advanced/Non–invention); B26D7/01 B65G47/24 B65H1/02 B65H3/44 G11B17/26 H01L21/02 H01L21/67 H01L31/02 H01L31/0248 H01L31/042 H01L31/048 H01L31/05 H01L31/052 H01L31/18 (Core/Invention); H01L (Subclass/Invention)

International class (IPC 1–7): B23K101/40 B26D7/02 B65G47/24 B65H1/02 B65H3/44 G11B17/26 H01L21/301 H01L21/58 H01L21/60 H01L21/68 H01L31/02 H01L31/0352 H01L31/05 H01L31/052 H01L31/352 H01L31/52

CPC: H01L21/68721 H01L21/67092 H01L31/18 H01L31/0504 H01L31/0508 H01L31/042 H01L2924/0002 B28D1/005 H01L31/0201 H01L31/0512 H01L31/0516 H01L31/0521 H01L31/188 H01L24/80 H01L2924/01005 H01L2924/01006 H01L2924/01013 H01L2924/01023 H01L2924/01029 H01L2924/01033 H01L2924/01047 H01L2924/01075 H01L2924/01077 H01L2924/01082 H01L2924/014 H01L2924/09701 H01L2924/10329 Y02E10/50 Y10T29/49117 H01L2924/351 H01L2924/12036 H01L31/035281 H01L31/05

European class: H01L21/67S2F H01L21/687S H01L21/687S2 H01L24/80 H01L31/0352 H01L31/0352C2 H01L31/042 H01L31/048 H01L31/05 H01L31/052 H01L31/18 H01L31/18H2 T01L924/01013 T01L924/01029 T01L924/01077 T01L924/10329 Y02E10/52

US class: 136/244 136/246 136/246S 136/251 136/251S 257/E21.499 257/E31.113 257/E31.127 257/E31.127S 257/E31.131 257/E31.131S 29/825 29/825S 438/65 438/65S 438/67

Classification Explorer

Cited documents: WO9905749 A1, WO9641506 A1, WO04100252 A1, WO03049201 A1, WO0245143 A1, WO02045143, US6524351 BB, US6380477 BA, US6364089 BA, US6178152 BA, US5647915 A, US5617990 A, US5567248 A, US5316788 A, US5178685 A, US5148961 A, US4877460 A, US4633031 A, US4617722 A, US4542258 A, US4494580 A, US4361950 A, US4180414 A, US4164808 A, US4067319 A, US3993605 A, US3993505 A, US3819417 A, US3459391 A, US3450568 A, US3411952 A, US2009308430 AA, US2005272225 AA, US2005133081 AA, US2005045224 AA, US2005027225 AA, US2004074531 AA, US2002185173 AA, US2002148499 AA, JPS6184874, JP7312441 A2, JP7202244 A2, JP63254773 A2, JP6184874, JP61084874 A2, JP59115576 A2, JP58071667 A2, JP5206209 A2, JP2006525137 T2, JP2004071785 A2, JP2003224289, JP2002540633 T2, JP2002540633, JP2001332752 A2, JP2001332752, JP2001168369 A2, JP11330514 A2, JP11135931 A2, JP1074971, JP10074971 A2, JP07202244, GB987887 A, EP1267419 A2, EP0662722 A2, EP0114801 B1, DE19848682 A1, CA2168161 AA,

Forward Citations: WO17019308, WO16043353, WO15148178, WO13020111, WO12087462, WO12047269, WO12024438, WO12024438, WO12012132, WO12006723, WO11150178, WO11116894, WO11049632, WO11032062, WO11016893, WO11013599, WO08098279, WO07142515, USD699176, US9657967, US9655292, US9641123, US9640710, US9620658, US9530926, US9515217, US9462734, US9453660, US9352941, US9343592, US9293636, US9272352, US9263620, US9252309, US9236512, US9180540, US9123860, US9070804, US9029689, US8978322, US8969714, US8941005, US8884155, US8802479, US8742248, US8735206, US8729385, US8561878, US8513095, US8446145, US8409911, US8344238, US8328077, US8227688, US8210424, US8119902, US8071930, US8067688, US8039777, US7910822, US7910392, US7910035, US7842613, US7535019, US7259322, US2017170337, US2016111570, US2015155819, US2015136207, US2014034716, US2013255746, US2013164876, US2013139871, US2013056044, US2012266949, US2012248335, US2012129342, US2011290298, US2011265869, US2011203639, US2011108091,

US2011108090, US2011108084, US2011012319, US2010326797, US2010218800, US2010201349, US2010186813, US2010147377, US2010139745, US2010108118, US2010084003, US2009032517, US2008223429, TWI430459, NL1031941, KR101426224, KR101164918, KR101120100, KR101117704, KR101083330, KR101049194, JP2015520516, JP2013140970, JP2013065900, JP2012524386, JP2011035123, JP2010518638, JP2010087131, JP2009510724, EP2369640, EP2132782, EP2118922, EP2019434, EP2019434, DE102010017229, CN104103700, CN103999238, CN103930499, CN103283038, CN103178160, CN103155160, CN103155160, CN103151426, CN102971865, CN102959737, CN102738249, CN102738249, CN102696117, CN101877373,

Abstract:
Source: US2008223429A A solar cell sub−module (100) for a photovoltaic device, including a plurality of elongate solar cells (slivers) (101) mounted in a structure that maintains the elongate solar cells in a longitudinally parallel and generally coplanar configuration, the structure providing one or more conductive pathways (201) electrically interconnecting the elongate solar cells (101). Also claimed are inventions related to releasing elongate substrate from a wafer frame; providing a plurality of mutually spaced elongate storage bins with a particular spacing; dispensing elongate solar cells into an alignment jig and attaching the cells to a substrate; engaging a length of electrical interconnect with an engagement tool having spaced engagement sections and applying a cutting tool; forming an electrical connection in a photovoltaic module with a conductor defining an indirect path between locations to compensate for thermal expansion; maintaining the solar cell orientation of sliver solar cells when releasing them from a wafer frame; engaging only opposing faces of elongate substrates, interconnected by a wafer frame, when releasing them; storing elongate substrate in a stacked configuration with a translation mechanism.

0) US2013272921A – LIQUID DISPENSER WITH SANITIZING CONTROL FUNCTI...

12) Family number: 54976371 (US2013272921A) © PatBase

Title: LIQUID DISPENSER WITH SANITIZING CONTROL FUNCTIONS

Priority: US20120445030 20120412 US20120447764 20120416 US20160278382 20160928

Family:

Publication number	Publication date	Application number	Application date
US2013272921 AA	20131017	US20120447764	20120416
US2013272923 AA	20131017	US20120445030	20120412
US2017049918 AA	20170223	US20160278382	20160928
US9480762 BB	20161101	US20120447764	20120416

Probable Assignee: MTN PRODUCTS INC

Assignee(s):(std)**:** MTN PRODUCTS INC ; SPEAR GREGORY N ; WANG CHUN YEN

Inventor(s):(std)**:** SPEAR GREGORY N ; WANG CHUN YEN

Agent(s): MICHAEL P MAZZA LLC

International class (IPC 8–9)**:** A61L2/06 A61L2/07 A61L2/18 A61L2/20 A61L2/24 B67D1/00 B67D3/00 C02F1/78 (Advanced/Invention); C02F1/78 (Advanced/Non–invention)

CPC: A61L2/202 B67D1/07 A61L2/06 A61L2/07 A61L2/24 A61L2/183 B67D1/0004 B67D3/00 A61L2202/12 A61L2202/14 C02F2303/04 B67D2001/0094 B67D2210/00013 A61L2/18 C02F1/78

US class: 222/148 422/28 422/29

Classification Explorer

Cited documents: US7748233 BB, US7655150 BB, US7640766 BB, US7422684 BA, US7258803 BB, US7175054 BB, US7114637 BB, US6561382 BB, US6532760 BB, US6289690 BA, US6207046 BA, US6085540 A, US5439052 A, US4268009 A, US2008054017 AA, US2006059922 AA, US2003071069 AA, JP6048488 A2,

Forward Citations: US2016362287, US2016167939, US2016101447, US2016052769, US2016023880, US2016016776, US2016009537, US2015298958, US2015129607, CN104083786,

Abstract:
Source: US2013272921A Liquid dispensing systems which automatically sanitize the liquid and liquid–contacting parts of a liquid dispensing system, by periodically flushing the system with a sufficiently heated, liquid and/or gas.

0) US2013118972A – FILTER SYSTEMS FOR BOTTLED WATER DISPENSERS

13) Family number: 53724950 (US2013118972A) © PatBase

Title: FILTER SYSTEMS FOR BOTTLED WATER DISPENSERS

Priority: CA20122794314 20121106 US20110294163 20111110

Family:

Publication number	Publication date	Application number	Application date
CA2794314 AA	20130510	CA20122794314	20121106
US2013118972 AA	20130516	US20110294163	20111110

Probable Assignee: YUI GEORGE

Assignee(s):(std)**:** YUI GEORGE

Inventor(s):(std)**:** YUI GEORGE

Agent(s): MILTONS IP PI

International class (IPC 8–9)**:** B01D27/08 B67D1/08 B67D3/00 B67D7/76 (Advanced/Invention)

CPC: B67D2210/0001 B67D1/0004

US class: 210/323.1 210/416.3 210/444 222/189.11

Classification Explorer

Cited documents: US5638991 A, US5106501 A, US2011259913 AA, US2010252570 AA, US2005092673 AA,

Forward Citations: WO16197243, USD791912, USD765220, USD758529, US2010235447,

Abstract:
Source: US2013118972A Bottled water dispensers are disclosed that include a modular water filter, particularly bottom loading water dispensers that include a pump to move water through the water dispenser. The water filters include a bottom container with an open top end, and a cap portion with an open bottom end (which is configured to be attached to the open top end of the bottom container). The water filters also include an interior container which (i) resides within the interior area of the water filter when the bottom container and cap portion are connected to each other and (ii) includes one or more filters through which water may pass within the water filter. The water filter is modular and may be used and replaced within bottled water dispensers as needed.

0) US2015284163A – CONTAINER FOR PRESERVING LIQUID CONTENTS

14) Family number: 60541963 (US2015284163A) © PatBase

Title: CONTAINER FOR PRESERVING LIQUID CONTENTS

Priority: US20140974086P 20140402 US20150128341P 20150304 US20150675095 20150331 US20160061294 20160304 WO2015US23573 20150331

Family:

Publication number	Publication date	Application number	Application date
AU2015240940 AA	20151008	AU20150240940	20150331
CA2944629 AA	20160930	CA20152944629	20150331
CN106458375 A	20170222	CN201580029629	20150331
EP3126251 A1	20170208	EP20150773443	20150331
US2015284163 AA	20151008	US20150675095	20150331
US2016257554 AA	20160908	US20160061294	20160304
WO15153598 A1	20151008	WO2015US23573	20150331
WO16141322 A1	20160909	WO2016US20962	20160304

Probable Assignee: KUVEE INC

Assignee(s):(std)**:** KUVEE INC

Assignee(s): TEISSIER DU CROS NILS ARNAUD ; MANWANI VIJAY GIRDHAR ; LANSBERRY GEOFFREY BLAKE ; BERCU ADAM ELLIOT ; CHESLEY DAVID DOLLOFF ; GILBERT DUANE JUNIOR

Inventor(s):(std)**:** BERCU ADAM ELLIOT ; CHESLEY DAVID DOLLOFF ; EINSTEIN BENJAMIN ; GILBERT DUANE JUNIOR ; LANSBERRY GEOFFREY BLAKE ; MANWANI VIJAY GIRDHAR ; TEISSIER DU CROS NILS ARNAUD ; TOMOVICH MICHAEL STEPHEN

Agent(s): AJ PARK; SMART AND BIGGAR; MCGLASHAN GRAHAM STEWART; MAZZARESE ROBERT A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B65D23/02 B65D25/48 B65D35/00 B65D47/06 B65D49/02 B65D77/06 B65D81/18 B65D83/00 B67D3/00 G06Q50/12 (Advanced/Invention)

CPC: B67D3/0051 B67D3/007 B65D23/02 B65D77/06 B65D81/24 B67D3/0077 B65D77/067 B67D3/0067 B65D25/48 B65D47/06 B67D3/00 B67D1/0078 B67D1/0888 B67D1/1247 B67D2001/0812 B67D2210/00091 B67D2210/00146 G07F13/025 G07F13/065

US class: 222/105 222/23 222/511 222/572

Classification Explorer

Cited documents: US7140519 BA, US6769575 BA, US5516007 A, US5379916 A, US5143763 A, US4984713 A, US4856680 A, US4769175 A, US4579315 A, US4330066 A, US2999500 A, US2017015480 AA, US2013245819 AA, US2013211928 AA, US2013175235 AA, US2013112688 AA, US2012211516 AA, US2011290757 AA, US2011036846 AA, US2010006603 AA, US2009008356 AA, US2008164289 AA, US2007214055 AA, US2005029285 AA, US2003226853 AA, US128940 A, GB2426506 A1, EP0874732 B1,

Forward Citations: WO17096319, WO17075298, US2017101303, US2016366536,

Abstract:
Source: US2015284163A A beverage container includes a flexible inside container and a rigid outside container. The flexible container can retain a liquid and seal the liquid from environmental air, while the surrounding rigid container facilitates handling and pouring in a form factor that reproduces the look and feel of a conventional wine bottle. A one–way valve permits pouring from the flexible container while preventing ingress of atmospheric oxygen or other contaminants. In particular, the one–way valve can be configured to retain a beverage within the flexible container until an exit path for the beverage through the valve is filled with liquid to seal the exit path and effectively eliminate any return path for ingress of air. To create a bottle–like pouring experience, the valve may

automatically open to allow for the pouring of fluid when the bottle is tilted, and the valve may automatically close at the end of a pour.

0) US2011056981A – ENERGY SAVING BAFFLE FOR WATER COOLER

15) Family number: 48435474 (US2011056981A) © PatBase

Title: ENERGY SAVING BAFFLE FOR WATER COOLER

Priority: US20090555866 20090909

Family:

Publication number	Publication date	Application number	Application date
US2011056981 AA	20110310	US20090555866	20090909
US8356731 BB	20130122	US20090555866	20090909

Probable Assignee: MTN PRODUCTS INC

Assignee(s):(std)**:** MTN PRODUCTS INC ; WANG CHUN YEN ; XIAO TONY

Inventor(s):(std)**:** WANG CHUN YEN ; XIAO TONY

Agent(s): MICHAEL P MAZZA LLC

International class (IPC 8–9): B67D1/00 B67D5/08 B67D5/62 (Advanced/Invention)

CPC: B67D3/0032 B67D3/0038 B67D3/0083 B67D2210/00097

European class: B67D3/00H2 B67D3/00K B67D3/00R8A L67D210/00D10B

US class: 222/146.1 222/146.100S 222/146.2 222/146.6 222/64 222/67 222/67P

Classification Explorer

Cited documents: US6871675 BA, US6793099 BA, US6786255 BA, US6209753 BA, US6167921 BA, US6167921 B1, US6029860 A, US5957316 A, US5911341 A, US5711380 A, US5676278 A, US5653270 A, US5647416 A, US5533651 A, US5526961 A, US5464127 A, US5454409 A, US5431205 A, US5413152 A, US5395590 A, US5337922 A, US5295519 A, US5295518 A, US5289855 A, US5289854 A, US5273083 A, US5259534 A, US5232125 A, US5222531 A, US5222530 A, US5213309 A, US5133482 A, US5121778 A, US5031676 A, US4991635 A, US4972976 A, US4902320 A, US4898308 A, US4881380 A, US4874023 A, US4846236 A, US4834267 A, US4793514 A, US4722463 A, US4717051 A, US4711380 A, US4699188 A, US4597423 A, US4445551 A, US4444340 A, US4421146 A, US4356848 A, US4267945 A, US4244467 A, US4239130 A, US4137930 A, US4133354 A, US4124146 A, US3993218 A, US3974863 A, US3973602 A, US3966093 A, US3920149 A, US3915341 A, US3893599 A, US3892235 A, US3843021 A, US3802606 A, US3774658 A, US3768501 A, US3606096 A, US3540402 A, US3352460 A, US3351239 A, US3341073 A, US3326417 A, US3250433 A, US3207190 A, US3193143 A, US3033247 A, US2998164 A, US2811272 A, US2689669 A, US2072629 A, US2057238 A, US2008054017 AA, US1976007 A, US1960604 A, US1948644 A, US1933192 A, US1628853 A, US1337206 A, US1319376 A, US1248705 A, US1241352 A,

Forward Citations: WO15073164, US9446886, US9352948, US9327957, US2016002021, US2015151957, US2015129607, US2015083250, US2015060492, US2015048118, US2015048116, US2014183230, TWI591012, JP2016078864, EP2835340, CN104203804, CN104136363, CN104136363, CN103892714,

Abstract:
Source: US2011056981A A water cooler assembly and/or liquid dispensing apparatus and method for using same, including an energy–saving baffle, which may take the form of a conventional or bottom load water cooler. Additionally, various other, alternative features may be included, such as: a door stop mechanism; an adjustable drip tray assembly; a leak stop mechanism; an adjustable bottle interface accommodating dimensional variations in water bottles; an instaboil feature; and various programmable dispensing and visual display modes.

16) Family number: 64049795 (US2016340168A) © PatBase

Title: APPARATUS FOR STORING AND DISPENSING LIQUID FROM A LIQUID RETAINING BAG

Priority: US20150714456 20150518

Family:

Publication number	Publication date	Application number	Application date
US2016340168 AA	20161124	US20150714456	20150518
US9714164 BB	20170725	US20150714456	20150518
WO16185307 A1	20161124	WO2016IB52481	20160502

Probable Assignee: CARDOMON INT LTD

Assignee(s):(std)**:** CARDOMON INT LTD

Inventor(s):(std)**:** PARTINGTON FREDERICK M ; WALTON PHILIP A

Agent(s): MEREK BLACKMON AND VOORHEES LLC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B67D1/00 B67D1/08 (Advanced/Invention)

CPC: B67D1/0809 B67D1/0857 B67D1/0004 B67D2001/0827 B67D1/0802

US class: 222/81

Classification Explorer

Cited documents: WO9219528 A1, WO8705208 A1, WO14110242 A1, WO07081208 A1, US9527639 BB, US9101936 BB, US8887955 BB, US8770441 BB, US8672155 BB, US8464906 BB, US8177096 BB, US7762429 BB, US7331487 BB, US7188749 BB, US7168599 BA, US7165700 BB, US6832994 BB, US6398073 BA, US6269976 BA, US6161728 A, US6139534 A, US6098844 A, US5975359 A, US5881692 A, US5553748 A, US5392968 A, US4997429 A, US4527716 A, US4484697 A, US4265372 A, US4058121 A, US2015284235 AA, US2013053815 AA, US2013048681 AA, US2007032775 AA, US2006032864 AA, US2005121464 AA, GE390369, GB2046226 A1, EP2017195 A1, EP0141433 A1, DE390369 A, DE1293052 B,

Abstract:
Source: US2016340168A An apparatus configured to store and dispense liquid from a liquid retaining bag. The apparatus preferably includes a storage container for storing the liquid retaining bag. The liquid storage container and the liquid retaining bag are preferably housed in the bottom of a water cooler. The storage container includes a base, an upper opening and at least one wall extending upwardly from the base and defining a hollow cavity. The hollow cavity is sized to receive a liquid retaining bag. The apparatus further includes a liquid transport conduit for transporting liquid from the liquid retaining bag to a dispensing location. A guide and retaining member is operably associated with the storage container. The guide and retaining member is preferably configured to guide the liquid transport conduit from a first location to a second location. The second location is an operating position in which at least a portion of the liquid transport conduit extends into the liquid retaining bag and the first location is a location where no portion of the liquid transport conduit is within the liquid retaining bag. Preferably, the guide member and the storage container are configured such that the liquid transport conduit can be positioned in a third location where the liquid retaining bag can be removed from the storage container while at least a portion of the liquid transport conduit is connected to and held in place by the guide and retaining member. The third location is preferably between the first location and the second location.

0) US2016107874A – LIQUID DISPENSER WITH OZONATING, RECIRCULATING ...

17) Family number: 62152440 (US2016107874A) © PatBase

Title: LIQUID DISPENSER WITH OZONATING, RECIRCULATING AND IMPROVED TEMPERATURE CONTROL FUNCTIONS

Priority: US20120445030 20120412 US20140518147 20141020

Family:

Publication number	Publication date	Application number	Application date
US2016107874 AA	20160421	US20140518147	20141020
US2017190556 A9	20170706	US20140518147	20141020

Probable Assignee: MTN PRODUCTS INC

Assignee(s):(std)**:** MTN PRODUCTS INC ; SPEAR GREGORY N ; WANG CHUN YEN

Inventor(s):(std)**:** SPEAR GREGORY N ; WANG CHUN YEN

International class (IPC 8–9)**:** B67D1/00 B67D1/07 B67D1/08 B67D1/10 B67D3/00 (Advanced/Invention)

CPC: B67D1/07 B67D3/0009 B67D3/0022 B67D1/0895 B67D1/0857 B67D2001/075 B67D2001/1259 B67D2210/00015 B67D2210/00026 B67D2210/00099 B67D2210/00118 B67D1/10 B67D1/0004 B67D3/0058

US class: 222/1 222/144.5 222/146.6 222/148

Classification Explorer

Cited documents: WO07017185 A1, US3983899 A, US2009321335 AA, US2008054017 AA, US2003000966 AA, EP0472276 A2,

Forward Citations: US2016167939, US2015129607,

Abstract:
Source: US2016107874A Liquid dispensing systems which sanitize the liquid and liquid–contacting parts of a liquid dispensing system using ozonation, by periodically flushing the system with ozonated gas or liquid. Also disclosed and claimed are an apparatus and method for controlling temperature variations between the liquid in holding (e.g., cold and/or hot) tanks and the liquid as it is dispensed, which may be used with an Insta–Boil feature.

0) US2015204598A – PORTABLE CRYOGENIC WORKSTATION

18) Family number: 59879798 (US2015204598A) © PatBase

Title: PORTABLE CRYOGENIC WORKSTATION

Priority: US20140929306P 20140120 US20150600751 20150120 WO2015US12043 20150120

Family:

Publication number	Publication date	Application number	Application date
CN106102460 A	20161109	CN201580015040	20150120
EP3097425 A2	20161130	EP20150702910	20150120
JP2017508984 T2	20170330	JP20160565126T	20150120
US2015204598 AA	20150723	US20150600751	20150120
WO15109315 A2	20150723	WO2015US12043	20150120
WO15109315 A3	20151015	WO2015US12043	20150120

Probable Assignee: BROOKS AUTOMATION INC

Assignee(s):(std)**:** BROOKS AUTOMATION INC

Assignee(s): WELLS FARGO BANK NATIONAL ASSOCIATION

Inventor(s):(std)**:** AFFLECK RHETT L ; BONORA ANTHONY C ; CROQUETTE ETIENNE P ; NEEPER ROBERT K

Agent(s): MAUPILIER DIDIER; MARCOVICI JANIK ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01N1/02 B65B3/00 F25D23/02 F25D29/00 F25D3/10 G01F23/22 G01N35/00 G05B15/02 G05D1/02 (Advanced/Invention)

CPC: F25D3/107 F25D29/001 F25D23/02 B65B3/003 G05D1/021 G05B15/02 G01F23/22 A01N1/0257 G01N35/0099 G01N2035/00435 G01N2035/00445

US class: 141/312 220/560.04 220/560.05 700/228 700/90 73/295

Classification Explorer

Cited documents: WO07095366 A2, WO0018225 A1, US6673594 BA, US2011219788 AA, US2010294046 AA, FR2723181 A1,

DE102005003284 A1

Forward Citations: US2016363363, US2016363362, US2016135447,

Abstract:
Source: US2015204598A A portable cryogenic workstation includes a housing having an internal cavity configured to hold one or more samples, a lid for sealing the internal cavity such that the portable cryogenic workstation is configured for transporting samples between about room temperature environments to about ultra−cold environments, at least one automation interface disposed on one or more of the housing and lid and configured for engagement with automated handling equipment, and a process data capture unit coupled to the housing and configured to capture process or ephemeral data corresponding to a predetermined processing characteristic(s) of at least one of the samples coincident with presence inside the portable cryogenic workstation.

0) US2010252585A – WATER PROBE FOR BOTTOM LOADING WATER COOLER

19) Family number: 47032883 (US2010252585A) © PatBase

Title: WATER PROBE FOR BOTTOM LOADING WATER COOLER

Priority: US20090416832 20090401

Family:

Publication number	Publication date	Application number	Application date
CA2698177 AA	20101001	CA20102698177	20100331
US2010252585 AA	20101007	US20090416832	20090401

Probable Assignee: ELECTROTEMP TECHNOLOGIES CHINA

Assignee(s):(std)**:** ELECTROTEMP TECHNOLOGIES CHINA ; YUI GEORGE M

Assignee(s): ELECTROTEMP TECHNOLOGIES CHINA INC

Inventor(s):(std)**:** YUI GEORGE ; YUI GEORGE M

Agent(s): HPF

International class(IPC 8–9)**:** B65D83/00 B67D5/62 F25D25/00 (Advanced/Invention)

CPC: B67D1/0431 B67D1/06 B67D1/0871 B67D1/0888 B67D1/1243 B67D1/0004 B67D1/0009 B67D1/0859 B67D1/0895 B67D2001/0824 B67D2210/00097

European class: B67D1/00E2 B67D1/00E4 B67D1/08D2B B67D1/08L L67D1/08A34B

US class: 222/146.6 222/146.600S 222/400.7 222/400.700P

Classification Explorer

Cited documents: US8079496 BB, US7987817 BB, US7971754 BB, US7806299 BB, US7712631 BB, US7415834 BB, US7395949 BB, US7188751 BB, US7117685 BB, US7025230 BA, US6616013 BB, US6311868 BA, US6206240 BA, US6149035 A, US6105825 A, US5540355 A, US5226600 A, US4836414 A, US4691842 A, US3865276 A, US3589506 A, US3179292 A, US2638758 A, US2009101020 AA, US2008251536 AA, US2008029543 AA, US2007210111 AA, US2004099687 AA, US2003213814 AA,

Forward Citations: WO16197243, WO13030753, US9527714, US9199833, US8887955, EP2966029, EP2962983, EP2821366, CN104643933, CN103781721, CN103781721,

Abstract:
Source: US2010252585A Bottom loading water coolers are disclosed, which include (1) a cabinet having an exterior portion and an interior portion; (2) a water bottle disposed in the bottom half of the interior portion of the cabinet; (3) a cold tank disposed in the top half of the interior portion of the cabinet and above the water bottle; (4) a bottle tray disposed in the bottom half of the interior portion of the cabinet that is configured to receive the water bottle in an upright position, such that the bottle tray may be reversibly pulled out of, and pushed into, the interior portion of the cabinet; (5) a pump that injects air into the water bottle at defined and periodic intervals; and (6) a specialized probe for transferring water from the water bottle to the cold tank (and for delivering air from a pump to the water bottle).

20) Family number: 30228585 (US3946758A) © PatBase

Title: FILLING ARRANGEMENTS FOR FLUID STORAGE CONTAINERS

Priority: US19720214872 19720103 US19720214892 19720108 CA19750219305 19750204 US19750623190 19751016 US19720280611 19720814 US19740511821 19741003 CA19770271658 19770214

Family:

Publication number	Publication date	Application number	Application date
CA1020474 A1	19771108	CA19750219305	19750204
CA1027381 A1	19780307	CA19770271658	19770214
CA1027381 A2	19780307	CA19770271658	19770214
CA964554 A1	19750318	CA19720159436	19721219
DE2300008 A1	19730726	DE19732300008	19730102
DE2506807 A1	19760415	DE19752506807	19750218
FR2167564 A1	19730824	FR19730000014	19730102
FR2167564 B1	19771230	FR19730000014	19730102
FR2286788 A2	19760430	FR19750028047	19750912
FR2286788 B2	19790622	FR19750028047	19750912
GB1420041 A	19760107	GB19730000297	19730103
GB1420042 A	19760107	GB19750018280	19730103
GB1518111 A	19780719	GB19750024784	19750610
IT972658 A	19740531	IT19720003281	19721220
JP1052837 C3	19810630	JP19720130128	19721227
JP48074611 A2	19731008	JP19720130128	19721227
JP51061015 A2	19760527	JP19750116538	19750929
JP55046956 B4	19801127	JP19720130128	19721227
US3946758 A	19760330	US19740511821	19741003
US4040448 A	19770809	US19750623190	19751016

Probable Assignee: SUN OIL CO PENNSYLVANIA

Assignee(s):(std)**:** SUN OIL CO PENNSYLVANIA

Assignee(s): SUN OIL CY OF PENNSYLVANIA US ; SUN OIL CY OF PENNSYLVANIA ; SUN OIL COMPANY OF PENNSYLVANIA ; HANSEL WILLIAM B ; SAN OIRU CO ; SUN OIL CO OF PENNSYLVANIA ; SUN OIL CO OF PENNSYLVANIA ST DAVID S PA V ST A

Inventor(s):(std)**:** HANSEL WILLIAM B ; HANSEL WILLIAM BRAY ; HANSEL WILLIAM P ; UIRIAMU BUREI HANSERU

Inventor(s): WILLIAM B HANSEL ; BRAY HANSEL WILLIAM ; HANSEL WILLIAM BRAY MEDIA PA V ST A

International class (IPC 8–9): B65B3/04 B65D88/54 B65D88/76 B67D7/76 (Advanced/Invention); B65B3/04 B65D88/00 B67D7/76 (Core/Invention)

International class (IPC 1–7): B60S5/02 B65B3/04 B65D87/32 B65D87/44 B65D90/54 B67C3/26 B67D3/00 B67D5/04 B67D5/06 B67D5/58 F15D1/02 F15D1/08 F16L41/02 F17D1/16 F17D1/20

CPC: B65D88/544 Y10T137/86348

European class: B65D88/54B

US class: 137/590 138/178 138/40 138/42 138/89 141/113 141/374 222/464.1 239/145

Classification Explorer

Cited documents: US978633 A, US950751 A, US928660 A, US877805 A, US489081 A, US3711259 A, US3682197 A, US3636976 A, US350350 A, US3501067 A, US3362640 A, US3291342 A, US3027746 A, US2815889 A, US2779962 A, US2386958 A, IT457863 A, GB188919834 A, FR324828 A,

Forward Citations: US4641690, US4253490, US2014312076, GB2382568, GB2382568, DE3506848,

Abstract:
Source: US3946758A In storage containers for fluids, a disperser/diffuser member is positioned between the inner end of the fillpipe and the interior of the container, to cause dispersion of the fluid flowing into the container from the fillpipe during a filling operation. The disperser member has therein a multiplicity of tortuous fluid passages, and may be used in a subterranean storage container, or in a mobile storage and transportation container (tank truck).

0) US2016214771A – DIP TUBE INSERTION MEMBER FOR FACILITATING INSE...

21) Family number: 62989145 (US2016214771A) © PatBase

Title: DIP TUBE INSERTION MEMBER FOR FACILITATING INSERTION OF A DIP TUBE INTO A CONTAINER WITHOUT REMOVING THE CONTAINER CAP

Priority: US20150604904 20150126

Family:

Publication number	Publication date	Application number	Application date
US2016214771 AA	20160728	US20150604904	20150126
US9527639 BB	20161227	US20150604904	20150126
WO16120702 A1	20160804	WO2015IB60077	20151231

Probable Assignee: CARDOMON INT LTD

Assignee(s):(std)**:** CARDOMON INT LTD

Inventor(s):(std)**:** WALTON PHILIP A

Agent(s): MEREK BLACKMON AND VOORHEES LLC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** B05B15/00 B65D47/06 B65D51/22 B67B7/00 B67D1/00 B67D1/08 (Advanced/Invention)

CPC: B65D51/222 B05B15/005 B65D47/06 B67B7/26 B67D1/0004 B67D1/0802 B67D1/0829

US class: 222/81

Classification Explorer

Cited documents: WO9219528 A1, WO8705208 A1, WO07081208 A1, US9101936 BB, US8887955 BB, US8672155 BB, US7168599 BA, US6832994 BB, US6269976 BA, US6161728 A, US6139534 A, US5975359 A, US5553748 A, US5542555 A, US5392968 A, US4997429 A, US4484697 A, US4265372 A, US4058121 A, US2015284235 AA, US2013053815 AA, US2013048681 AA, US2007032775 AA, US2006032864 AA, US2005121464 AA, GB2046226 A1, EP2017195 A1, EP0141433 A1, DE390369 A, DE1293052 B,

Forward Citations: US9714164,

Abstract:
Source: US2016214771A A dip tube insertion member adapted to be used with a liquid dispensing apparatus. The dip tube insertion member facilitates insertion of a dip tube into a liquid storage container without removing the sealing cap of a liquid storage container. The dip tube insertion member includes a probe having a hollow cavity for receiving a dip tube. The probe further includes an upper opening and a lower opening for facilitating insertion of a dip tube into the liquid container. Preferably, the dip tube insertion member takes the form of a cap that is mounted on and about at least a portion of the sealing cap of a liquid storage container of the liquid dispensing apparatus. The dip tube insertion member preferably includes a sealing member forming an air chamber surrounding the probe.

0) US2017120332A – ADDITIVE MANUFACTURING SYSTEM AND METHOD

22) Family number: 65565391 (US2017120332A) © PatBase

Title: ADDITIVE MANUFACTURING SYSTEM AND METHOD

Priority: US20150248758P 20151030 US20150248759P 20151030 US20150248765P 20151030 US20150248770P 20151030 US20150248776P 20151030 US20150248780P 20151030 US20150248783P 20151030 US20150248791P 20151030 US20150248799P 20151030 US20150248787P 20151030 US20150248795P 20151030 US20150248821P 20151030 US20150248829P 20151030 US20150248833P 20151030 US20160336428 20161027 US20150248966P 20151030 US20150248968P 20151030 US20150248969P 20151030 US20150248980P 20151030 US20150248989P 20151030 US20150248835P 20151030 US20150248839P 20151030 US20150248841P 20151030 US20150248847P 20151030 US20150248848P 20151030 US20160336321 20161027 US20160336239 20161027 US20160336581 20161027 US20160336644 20161027 US20160336505 20161027 US20160337228 20161028 US20160337610 20161028 US20160337779 20161028 US20160337507 20161028 US20160337201 20161028

Family:

Publication number	Publication date	Application number	Application date
TW201726363 A	20170801	TW20160134883	20161028
US2017120332 AA	20170504	US20160336428	20161027
US2017120336 AA	20170504	US20160337228	20161028
US2017120387 AA	20170504	US20160336581	20161027
US2017120518 AA	20170504	US20160336321	20161027
US2017120529 AA	20170504	US20160336239	20161027
US2017120530 AA	20170504	US20160337610	20161028
US2017120537 AA	20170504	US20160336644	20161027
US2017120538 AA	20170504	US20160337779	20161028
US2017123222 AA	20170504	US20160337507	20161028
US2017123237 AA	20170504	US20160337201	20161028
US2017144224 AA	20170525	US20160336505	20161027
WO17075231 A2	20170504	WO2016US59139	20161027
WO17075234 A1	20170504	WO2016US59144	20161027
WO17075244 A1	20170504	WO2016US59165	20161027
WO17075258 A1	20170504	WO2016US59188	20161027
WO17075277 A1	20170504	WO2016US59207	20161027
WO17075285 A1	20170504	WO2016US59217	20161027
WO17075353 A1	20170504	WO2016US59326	20161028
WO17075356 A1	20170504	WO2016US59329	20161028
WO17075408 A1	20170504	WO2016US59401	20161028
WO17075423 A1	20170504	WO2016US59422	20161028
WO17075449 A1	20170504	WO2016US59461	20161028

Probable Assignee: SEURAT TECHNOLOGIES INC

Assignee(s):(std)**:** SEURAT TECH INC

Assignee(s): SEURAT TECHNOLOGIES INC ; SEURAT TECHNOLOGIE INC ; INC.

Inventor(s):(std)**:** BERDICHEVSKY EUGENE ; BERDICHEVSKY EUGENE M ; DEMOUTH JAMES A ; DEMUTH JAMES A ; FEES HEINER ; KAMSHAD KOUROSH ; LEARD FRANCIS L ; TOOMRE ERIK

Inventor(s): KOUROSH ; FRANCIS ; HEINER ; JAMES ; ERIK ; EUGENE

Agent(s): STEVENS DAVID R

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX

MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B05D1/36 B22F3/105 B23K26/00 B23K26/04 B23K26/06 B23K26/08 B23K26/14 B23K26/142 B23K26/144 B23K26/16 B23K26/34 B23K26/342 B23K26/36 B23K26/70 B25J11/00 B28B1/00 B29C64/10 B29C64/141 B29C64/153 B29C64/188 B29C64/20 B29C64/205 B29C64/227 B29C64/232 B29C64/236 B29C67/00 B29C67/04 B33Y10/00 B33Y30/00 B33Y40/00 B33Y50/00 B33Y50/02 B33Y70/00 B33Y80/00 B33Y99/00 B41J3/407 G02B15/04 G02B15/10 G02B19/00 G02B26/08 G02B27/00 G02B27/09 G02B27/10 G02B27/14 G02B27/28 G02B6/293 G02B7/04 G02B7/14 G02B7/16 G02B7/182 G02F1/01 G02F1/1333 G02F1/135 G05B17/02 G05B19/18 H01S3/23 H01S5/00 H01S5/40 (Advanced/Invention)

CPC: B29C67/0088 B29C67/0092 B29C67/0096 B33Y30/00 B33Y40/00 B23K26/342 B23K26/16 B23K26/142 B23K26/0846 B23K26/702 B29K2105/251 B23K26/083 B33Y70/00 G02B27/141 G02F1/133362 G02F1/135 G02B26/0816 G02B15/04 G02B7/14 B22F2003/1057 B33Y99/00 G05B17/02 G05B2219/49023 B23K26/36 B33Y80/00 B25J11/00 G02B7/16 G02B15/10 G02B19/0028 G02B19/0047 G02B27/0068 G02B7/1827 B23K26/144 H01S5/4012 H01S5/005 G02F1/0136 B22F3/24 B22F2003/1058 B22F2003/1059 B22F2003/247 B22F2003/248 B22F2998/10 B23K37/0426 B23K2201/001 B23K2201/02 B23K2201/24 B23K26/123 B22F3/1055 B22F2003/1056 G02B27/0905 G02B27/283 G02B27/286 B22F3/105 B29C67/0085 B33Y10/00 B33Y50/02 Y02P10/295 B28B1/001 B29C64/153 B29C64/20 B29C64/35 B29C64/386 B29C64/40 B29C67/0077

Classification Explorer

Cited documents: WO15066607 A1, WO15040433 A2, WO15025171 A2, WO14179345 A1, WO14176538 A1, WO14095208 A1, WO14093863 A1, WO12037694 A2, US8575528 BA, US7777155 BB, US5908569 A, US5837960 A, US5738088 A, US5682214 A, US5258989 A, US2015283613 AA, US2015183166 AA, US2015165687 AA, US2015165681 AA, US2015137426 AA, US2015102526 AA, US2015096266 AA, US2015090074 AA, US2015076732 AA, US2014277679 AA, US2014271328 AA, US2014265034 AA, US2014252687 AA, US2014199175 AA, US2014158667 AA, US2014140882 AA, US2014065194 AA, US2013309121 AA, US2013108726 AA, US2013077315 AA, US2012236425 AA, US2012195994 AA, US2012139167 AA, US2012007888 AA, US2011241947 AA, US2011233808 AA, US2010228369 AA, US2009206065 AA, US2009177309 AA, US2008285129 AA, US2008211132 AA, US2008157412 AA, US2007077323 AA, US2006132732 AA, US2006111807 AA, US2005280185 AA, US2004222549 AA, US2002130279 AA, US2002021723 AA, JP2014037148 A2, EP2674283 A2, EP1115255 A1, EP0676890 A2,

DE102013222339 A1

DE102010034311 A1

Abstract:
Source: US2017120332A An additive manufacturing system including a two−dimensional energy patterning system for imaging a powder bed is disclosed. Improved chamber designs, multiple chambers, powder handling and re−use systems, and powder characterization methods are disclosed.

0) WO17075618A1 – WATER COOLER WITH RAPID HOT WATER HEATER DISPO...

23) Family number: 65581082 (WO17075618A1) © PatBase

Title: WATER COOLER WITH RAPID HOT WATER HEATER

Priority: US20150248607P 20151030

Family:

Publication number	Publication date	Application number	Application date
WO17075618 A1	20170504	WO2016US59792	20161031

Probable Assignee: LVD ACQUISITION LLC

Assignee(s):(std)**:** LVD ACQUISITION LLC

Inventor(s):(std)**:** BEDELL PAUL ; BUSICK LOUIS ; POLAKOFF SACHA

Agent(s): MCCURDY MELISSA A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): F24H1/10 F24H1/12 H05B3/40 (Advanced/Invention)

CPC: F24H1/10 F24H1/12 H05B3/40

Classification Explorer

Cited documents: US5638991 A, US5358177 A, US4947025 A, US2004057709 AA, US2002159767 AA, US1120830 A, GB2157815 B2,

Abstract:
Exemplary embodiments of a rapid fluid heater include a tube having an inlet and outlet wherein the tube is wrapped with a heating element such that the tube may receive a flow of fluid from a fluid source such as a reservoir within a cooler and the fluid is heated as it flows through the tube. Other exemplary embodiments may include a planar heater that is connected to a base in which a fluid flow path has been disposed. The fluid flow path may receive a flow of fluid such that the water is heated as it flows along the path in close proximity to the heater.

0) WO16094107A1 – HELICAL COOLING TANK RESERVOIR DE REFROIDISSEM...

24) Family number: 62659850 (WO16094107A1) © PatBase

Title: HELICAL COOLING TANK

Priority: US20140090062P 20141210

Family:

Publication number	Publication date	Application number	Application date
WO16094107 A1	20160616	WO2015US62899	20151130

Probable Assignee: LVD ACQUISITION LLC

Assignee(s):(std)**:** LVD ACQUISITION LLC

Inventor(s):(std)**:** DEEDS JOHN

Agent(s): ROGERS MELISSA A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): F25D17/04 (Advanced/Invention)

CPC: F25D31/002 F28D7/022 F28D7/024 F28D7/026

Classification Explorer

Cited documents: US6477855 BA, US6293335 BA, US5660165 A, US4177649 A, US3907025 A, US3145545 A,

Abstract:
A device and method for chilling a volume of water. In a preferred embodiment, the device includes an external tank in the nature of a can having a generally closed bottom and a generally open top and an internal tank in the nature of a can having a generally open bottom and a generally closed top. The internal tank is inserted into the external tank and a helical fin is supported between the internal tank and the external tank. The helical fin defines a helical flow path in which an evaporator coil is arranged. An external cap connected to both the external tank and the internal tank provides openings for a water inlet, a water outlet, and a refrigeration inlet/outlet. The refrigeration inlet/outlet receives at least part of the evaporator coil.

0) US2001032478A – RECEIVER DRYER WITH BOTTOM INLET

25) Family number: 28093942 (US2001032478A) © PatBase

Title: RECEIVER DRYER WITH BOTTOM INLET

Priority:

US20000181349P 20000209 US20000186061P 20000229 US20000187420P 20000307
US20000187454P 20000307 US20000187455P 20000307 US20000199559P 20000425
US20000206036P 20000522 US20000205442P 20000519 US20000209949P 20000606
US20000199801P 20000426 US20000205508P 20000519 US20000191858P 20000324
US20000212078P 20000615 US20000197508P 20000418 US20000191973P 20000324
US20010776975 20010205 US20000214948P 20000629 US20000220008P 20000721
US20000220040P 20000721 US20000226774P 20000821 US20000235033P 20000925
US20000238170P 20001005 US20010267054P 20010207 US20000723806 20001128
US20000215370P 20000629 US20000213688P 20000623 US20000218675P 20000717
US20000250932P 20001130 US20000226504P 20000821 US20010797039 20010228
US20010801267 20010306 US20010045367 20011107 US20000226740P 20000821
US20000235023P 20000925 US20000246561P 20001107 US20080150094 20080424
US20070899343 20070905 US20060445606 20060602 US20030377072 20030227
US20010895860 20010629 US20010843297 20010425 US20010816494 20010323
US20010888911 20010625 US20010908664 20010717 US20010935291 20010821
US20060636948 20061211 US20050151601 20050613 US20020170789 20020613
WO2001US06525 20010228 US20010882166 20010615 WO2001US19269 20010615
US20010934406 20010821 WO2001US26052 20010821 WO2001US16549 20010521
WO2001US07138 20010305 US20010829671 20010410 US20010961721 20010924
WO2001US29904 20010924 US20010801275 20010306 WO2001US07074 20010305
US20060591659 20061101 WO2001US16424 20010522 WO2001US16014 20010518
WO2001US18335 20010606 WO2001US20880 20010629 WO2001US23153 20010723
WO2001US23160 20010723 WO2001US26091 20010821 WO2001US03793 20010205
WO2001US19967 20010625 US20050244219 20051005 US20020193452 20020711
US20010816664 20010323 US20010861801 20010521 WO2001US40483 20010411
WO2001US29962 20010925 WO2001US31674 20011005

Family:

Publication number	Publication date	Application number	Application date
AU2001234854 AA	20010820	AU20010234854	20010205
BRPI0108185 A	20030121	BR2001PI08185	20010205
EP1264151 A1	20021211	EP20010907019	20010205
MXPA02007715 A1	20021011	MX2002PA07715	20010205
US2001032478 AA	20011025	US20010776975	20010205
US2006035362 AA	20060216	US20050244219	20051005
US2007048784 AA	20070301	US20060591659	20061101
US2007059730 AA	20070315	US20060445606	20060602
US2007099274 AA	20070503	US20060636948	20061211
US2008241133 AA	20081002	US20080150094	20080424
US2009324608 AA	20091231	US20070899343	20070905
US6389843 BB	20020521	US20010776975	20010205
US7160693 BB	20070109	US20050244219	20051005
US7282360 BB	20071016	US20060636948	20061211
US7411054 BB	20080812	US20060445606	20060602
US7732182 BB	20100608	US20080150094	20080424
WO0159373 A1	20010816	WO2001US03793	20010205

Probable Assignee: MILLENNIUM PHARM INC

Assignee(s):(std)**:** MILLENNIUM PHARM INC ; PARKER HANNIFIN CORP ; WILSON TOM C

Assignee(s): PARKER HANNIFIN CUSTOMER SUPPORT INC ; PARKER INTANGIBLES LLC ; MILLENNIUM PHARMACEUTICALS INC ; MOSHER WILLIAM M ; FORD MICHAEL L ; HARAMOTO CARY ; MCALLISTER NEIL J

Inventor(s):(std)**:** CURTIS RORY A J ; FORD MICHAEL L ; GLUCKSMANN MARIA A ; GLUCKSMANN MARIA ALEXANDRA ; HARAMOTO CARY ; KAPELLER LIBERMANN ROSANA ; RUDOLPH OWEN LAURA A ; WILSON TOM C ; WILLIAMSON MARK J ; TSAI FONG YING ; LOGAN THOMAS J ; CURTIS RORY A ; CHUN MIYOUNG ; WILLIAMSON MARK

; MEYERS RACHEL E ; MOSHER WILLIAM M ; LOGAN THOMAS JOSEPH ; MCALLISTER NEIL J ; WEICH NADINE ; OLANDT PETER J

Inventor(s): CARY HARAMOTO ; NEIL J MCALLISTER ; MICHAEL L FORD ; CURTIS RORY ; TOM C WILSON ; MEYERS RACHEL ; OLANDT PETER ; RUDOLPH OWEN LAURA ; WILLIAM M MOSHER ; LOGAN THOMAS ; GLUCKSMANN MARIA ; CURTIS RORY AJ

Agent(s): MILLENNIUM PHARMACEUTICALS INC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): A61K31/70 A61K38/00 A61K38/02 A61K39/395 A61P43/00 B01D53/04 B01D53/26 C07H21/04 C07K14/00 C07K14/705 C07K14/82 C07K16/18 C07K16/40 C12N1/20 C12N15/00 C12N15/11 C12N15/52 C12N15/54 C12N15/62 C12N15/74 C12N15/79 C12N15/85 C12N5/06 C12N5/10 C12N9/00 C12N9/02 C12N9/12 C12N9/14 C12N9/16 C12N9/18 C12N9/20 C12N9/48 C12N9/64 C12N9/76 C12N9/82 C12N9/88 C12N9/90 C12N9/99 C12P21/02 C12P21/04 C12P21/06 C12Q1/34 C12Q1/68 F25B43/00 G01N33/566 (Advanced/Invention); A61K38/00 (Advanced/Non–invention); A61K38/02 A61K39/395 C07H21/00 C07K14/435 C07K16/40 C12N1/20 C12N15/00 C12N15/52 C12N15/54 C12N15/74 C12N15/79 C12N15/85 C12N5/10 C12N9/02 C12N9/12 C12N9/16 C12N9/18 C12N9/48 C12N9/64 C12N9/76 C12N9/88 C12N9/99 C12P21/02 C12P21/06 C12Q1/68 (Core/Invention); A61K38/00 (Core/Non–invention)

International class (IPC 1–7): B01D53/04 B01D53/26 F25B39/04 F25B43/00

CPC: B01D53/0415 B01D53/0446 B01D53/261 B01D2257/80 F25B43/003 F25B43/006 C07K14/395 C07K14/43545 C07K14/43581 C07K14/43595 C07K14/463 C07K14/465 C07K14/47 C12N9/00 C07K16/40 C12N9/48 C12N9/6424 C12N9/6427 C12N9/6472 C12Q1/6886 C12Q2600/156 C12Q1/6883 C12Q2600/158 A61K2039/505 C07K14/82 C12N9/14 C12N9/16 C12N9/6421 C12N9/82 C12N9/90 C12Q2600/106 C12Q2600/136 C07K14/705 A01K2217/05 A61K38/00 C07K2319/00 C12N9/0071 C12N9/0083 C12N9/1205 C12N9/18 C12N9/20 C12N9/88 C12N2310/3513 C12Y207/01001 C12Y301/04003

European class: B01D53/04C2 B01D53/26B C07K14/395 C07K14/435A3A1 C07K14/435A4D1 C07K14/435A5 C07K14/465 C07K14/46B C07K14/47 C07K14/705 C07K14/82 C07K16/40 C12N9/00 C12N9/00P30 C12N9/00P30Z C12N9/12 C12N9/12C C12N9/14 C12N9/16 C12N9/18 C12N9/20 C12N9/48 C12N9/64F C12N9/64F21 C12N9/64F21A C12N9/64F22 C12N9/82 C12N9/88 C12N9/90 C12Q1/68M6 C12Q1/68M6B C12Y207/01001 C12Y301/04003 F25B43/00B K01K217/05 K61K38/00 K61K39/505 L01D257/80 L01D53/04C10 M07K203/00 M07K203/02 M07K205/00 M07K207/00 M07K213/00 M07K215/00 M07K319/00 M07K319/00E M12N203/00 M12N203/02 M12N205/00 M12N207/00 M12N213/00 M12N213/04 M12N215/00 M12N310/3513 M12Q600/136 M12Q600/156 R25B43/00C

US class: 424/130.1 424/130.100P 424/158.1 435/18 435/183 435/183S 435/184 435/184S 435/194 435/194S 435/196 435/196S 435/212 435/212S 435/213 435/213S 435/226 435/226P 435/226S 435/252.3 435/252.33 435/254.1 435/320.1 435/320.100S 435/325 435/325S 435/375 435/375S 435/5 435/5S 435/6 435/6.14 435/6.140P 435/69.1 435/69.100P 435/69.100S 435/6P 435/6S 436/501 436/501S 514/1.1 514/1.100P 514/1.100S 514/1.2 514/1.200S 514/12 514/2 514/44 514/44.00AS 514/44A 514/7 514/7.5 514/7.500S 530/350 530/350S 530/387.9 530/387.900S 530/388.26 530/388.260S 536/23.1 536/23.100S 536/23.2 536/23.200S 536/23.4 536/23.5 536/23.500S 62/474 62/474S 62/475 62/503 62/509 62/509P

Classification Explorer

Cited documents: WO9726357 A1, WO0153312 A1, WO0073469 A2, US7411054 BB, US7193069 BB, US7070947 BB, US6727066 BB, US6673549 BA, US6569662 BA, US6476210 BB, US6196019 BA, US6125651 A, US5910165 A, US5891717 A, US5854067 A, US5845511 A, US5596882 A, US5596881 A, US5580451 A, US5515696 A, US5419157 A, US5365751 A, US5282370 A, US5245842 A, US5222369 A, US5201792 A, US5201195 A, US5168721 A, US5076071 A, US5038582 A, US4934552 A, US4920766 A, US4665716 A, US4651540 A, US4429544 A, US4313315 A, US421017 A, US4072615 A, US3765192 A, US3412574 A, US3177680 A, US3084523 A, US2579053 A, US2004034888 AA, US2003211093 AA, US2002009779 AA, US1743406 A, JP4095522 A2, GB1512507 A, FR2764680 A1,

Forward Citations:

US9718759, US9717896, US9672471, US9599414, US9556102, US9550718, US9458410, US9453183, US8946460, US8870813, US8853432, US8816111, US8816106, US8809559, US8778644, US8636670, US8575377, US8535917, US8505331, US8409132, US8403881, US8399383, US8317776, US8288572, US8280484, US8158392, US8106226, US8071341, US8020402, US7932438, US7834250, US7807849, US7777877, US7732182, US7636573, US7465314, US6692556, US2011139794, US2011054198, US2011015415, US2010218550, US2008241133, US2008151249, US2008047284, US2007202528, US2007157658, US2005273885, US2005081559, EP1818631,

Abstract:
Source: US2001032478A A receiver dryer includes a canister with a cylindrical sidewall, a lower end wall, and an open upper end. An inlet tube extends upwardly in the canister from an inlet port in the lower end wall. A desiccant tube assembly, comprising a pair of tubes, is received over the inlet tube, with the inlet tube being closely received in one of the tubes of the desiccant tube assembly. A lower baffle is formed unitary with the lower end of the desiccant tube assembly, and a lower filter pad is received over the desiccant tube assembly and against the lower baffle. Loose desiccant is then poured into the canister. An upper filter pad and upper baffle are received over the desiccant tube assembly. A pick–up tube, secured to an upper end cap, is then closely received in the other of the tubes of the desiccant tube assembly. The upper end cap is then secured to the upper end of the canister.

26) Family number: 61131300 (US2017211876A) © PatBase

Title: METHOD FOR SELECTING ANTIBODIES WITH MODIFIED FCRN INTERACTION

Priority: EP20140172180 20140612 US20140090062P 20141210 WO2015EP62899 20150610

Family:

Publication number	Publication date	Application number	Application date
CA2946430 AA	20161020	CA20152946430	20150610
CN106459191 A	20170222	CN201580031229	20150610
EP3155013 A1	20170419	EP20150726647	20150610
KR20170015920 A	20170210	KR20167034666	20150610
MX2016014355 A1	20170127	MX20160014355	20150610
US2017211876 AA	20170727	US20150317324	20150610
WO15189249 A1	20151217	WO2015EP62899	20150610

Probable Assignee: F HOFFMANN LA ROCHE AG

Assignee(s):(std)**:** HOFFMANN LA ROCHE ; HOFFMANN LA ROCHE INC ; F HOFFMANN LA ROCHE AG

Assignee(s): FOGED JENSEN PERNILLE ; RAND KASPER ; KETTENBERGER HUBERT ; KOENIG MAXIMILIANE ; SCHLOTHAUER TILMAN

Inventor(s):(std)**:** FOGED JENSEN PERNILLE ; KETTENBERGER HUBERT ; KOENIG MAXIMILIANE ; RAND KASPER ; SCHLOTHAUER TILMAN ; TILMAN SCHLOTHAUER ; PERNILLE FOGED JENSEN ; MAXIMILIANE KOENIG ; KASPER RAND ; HUBERT KETTENBERGER

Agent(s): GOWLING WLG CANADA LLP; BURGER ALEXANDER; SKOLAUT ALEXANDER ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): C07K16/00 C07K16/16 C07K16/24 C12N15/13 C40B30/04 C40B40/10 C40B50/06 F25D31/00 G01N33/53 (Advanced/Invention); C07K14/735 (Advanced/Non–invention)

CPC: C07K2317/522 C07K2317/567 C07K2317/71 C07K2317/72 F25D31/002 F25D2700/16 F25D2600/04 C07K16/244

Classification Explorer

Cited documents: US2012028304 AA, EP2233500 A1,

Abstract:
Source: US2017211876A Herein is reported a method for selecting a full length antibody comprising the steps of a) generating from a parent full length antibody a plurality of full length antibodies by randomizing one or more amino acid residues selected from the amino acid residues at positions 1–23 in the heavy chain variable domain (numbering according to Kabat), at positions 55–83 in the light chain variable domain (numbering according to Kabat), at positions 145–174 in the first heavy chain constant domain (numbering according to EU index), and at positions 180–97 in the first heavy chain constant domain (numbering according to EU index), b) determining the binding strength of each of the full length antibodies from the 10 plurality of antibodies to the human neonatal Fc receptor (FcRn), and c) selecting a full length antibody from the plurality of full length antibodies that has a different binding strength to the FcRn than the parent full length antibody.

0) US2017158485A – SPILL PREVENTION FOR INTERCHANGEABLE LIQUID CON...

27) Family number: 65965503 (US2017158485A) © PatBase

Title: SPILL PREVENTION FOR INTERCHANGEABLE LIQUID CONTAINERS

Priority: US20150262658P 20151203 US20160368432 20161202

Family:

Publication number	Publication date	Application number	Application date
US2017158485 AA	20170608	US20160368432	20161202
WO17096319 A1	20170608	WO2016US64849	20161202

Probable Assignee: KUVEE INC

Assignee(s):(std)**:** KUVEE INC

Inventor(s):(std)**:** CHESLEY DAVID DOLLOFF ; HUNT ANTON ; KRIVESHKO ILYA A ; LANSBERRY GEOFFREY BLAKE ; MANWANI VIJAY GIRDHAR ; MARTINEZ ALEXANDER RACINE ; TEKEIAN EDWARD K

Agent(s): MAZZARESE ROBERT A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B65D47/04 B65D47/06 B65D47/20 B65D47/24 B65D77/06 B67D3/00 (Advanced/Invention)

CPC: B67D3/0051 B67D3/0067 B67D3/0006 B67D3/0041 B67D3/0045 B67D3/007 B67D3/043

Classification Explorer

Cited documents: US5379916 A, US4856680 A, US4523687 A, US2015284163 AA, US2009108022 AA, GB2426506 A1,

Abstract:
Source: US2017158485A A dispenser system for a fluid container includes a two–stage valve having a chamber disposed in–between an active valve and a passive valve. The chamber and related components may be configured to encourage recapture and sealing of pooled fluid in the chamber under a variety of usage scenarios. The chamber may include a reservoir to recapture fluid that has pooled within the spout when the container is angled for a pour. At the same time, a number of channels may divert outbound fluid flow around the chamber during pouring to ensure that this recapture reservoir is not over–filled with fluid during high–flow–rate pouring scenarios. These two techniques may be used alone, or in combination to simultaneously address recapture of statically and dynamically disposed fluid within the spout.

0) US4780156A – WATER RESISTANT SENSITIZING ADDITIVE FOR AMMONI...

28) Family number: 2573641 (US4780156A) © PatBase

Title: Water resistant sensitizing additive for ammonium nitrate blasting agents

Priority: US19860915510 19861006

Family:

Publication number	Publication date	Application number	Application date
US4780156 A	19881025	US19860915510	19861006

Probable Assignee: SHEERAN HAROLD W

Assignee(s):(std)**:** SHEERAN HAROLD W ; SHEERAN JOHN P

Inventor(s):(std)**:** SHEERAN HAROLD W ; SHEERAN JOHN P

International class (IPC 8–9)**:** C06B31/28 (Advanced/Invention); C06B31/00 (Core/Invention)

International class (IPC 1–7)**:** C06B45/02

CPC: C06B31/285

European class: C06B31/28B

US class: 149/2 149/21 149/41 149/61 149/72

Classification Explorer

Cited documents: US4637849 A, US4207125 A, US4198253 A, US4128442 A, US4039361 A, US3540953 A, US3465675 A,

Forward Citations: WO9742141, WO15157804, WO0234696, WO02084206, US8142582, US7985310, US7806999, US6669753, US6261393, US6113714, US5925846, US5531843, US5454889, US2010218861, US2008245450, US2007012387, EP1335889, AU2014203265,

Abstract:
Source: US4780156A A dry non–explosive additive for ammonium nitrate–fuel oil (ANFO) blasting agents which provides water resistance and wet sensitivity to allow use of the explosive in wet drill holes. The additive contains gelling agents that rapidly hydrate and swell upon water impingement, and thereafter cross–link to rapidly form a peripheral water–blocking barrier to prevent further water intrusion into a loaded blasting agent mass. The additive additionally contains hydrophobic sensitizers and optional fuels to provide points of adiabatic compression and physically hinder water incursion. When the additive is mixed with ANFO, the resulting blasting agent retains its dry and free pouring characteristics and has enhanced explosive properties over untreated ANFO. While ANFO may not detonate in wet conditions unless protected from water, when admixed with our additive it retains its explosive characteristics and detonation potential after placement in wet environs, to function well either wet or dry.

29) Family number: 49742607 (US2012058102A) © PatBase

Title: PHARMACOLOGICALLY INDUCED TRANSGENE ABLATION SYSTEM

Priority: EP20120773180 20120928 US20100318752P 20100329 US20110247306 20110928 WO2011US30213 20110328 US20110638015 20110328 US20160067638 20160311 WO2012US57803 20120928

Family:

Publication number	Publication date	Application number	Application date
AU2011238708 AA	20111013	AU20110238708	20110328
AU2011238708 BB	20160211	AU20110238708	20110328
BR112012024934 A2	20161206	BR20121124934	20110328
CA2793633 AA	20111013	CA20112793633	20110328
CN102869779 A	20130109	CN201180018014	20110328
DE602012010503 D1	20151022	DE201260010503T	20120928
EP2553106 A2	20130206	EP20110713419	20110328
EP2761009 A1	20140806	EP20120773180	20120928
EP2761009 B1	20150909	EP20120773180	20120928
ES2559361 T3	20160211	ES20120773180T	20120928
JP2013529063 T2	20130718	JP20130502701T	20110328
JP2014534175 T2	20141218	JP20140533363T	20120928
JP5922095 B2	20160524	JP20130502701T	20110328
KR20130040844 A	20130424	KR20127028151	20110328
MX2012011374 A1	20121112	MX20120011374	20110328
MX342858 B	20161013	MX20120011374	20110328
SG10201502270T A1	20150528	SG20151002270	20110328
SG183929 A1	20121030	SG20120065868	20110328
US2012058102 AA	20120308	US20110247306	20110928
US2013023033 AA	20130124	US20110638015	20110328
US2017000904 AA	20170105	US20160067638	20160311
US9315825 BB	20160419	US20110247306	20110928
WO11126808 A2	20111013	WO2011US30213	20110328
WO11126808 A3	20120628	WO2011US30213	20110328
WO11126808 A9	20120816	WO2011US30213	20110328
WO13049493 A1	20130404	WO2012US57803	20120928

Probable Assignee: UNIV PENNSYLVANIA

Assignee(s):(std): TRETIAKOVA ANNA P ; WILSON JAMES M ; UNIV PENNSYLVANIA ; TRUSTEES OF UNIV OF PENNSYLVANIA ; CHEN SHU JEN ; GREIG JENNY AGNES

Assignee(s): THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA ; TRUSTEES OF UNIV OF PENSYLVANIA ; TRUSTEES OF UNIV OF PENNSYLVANIA PHILADELPHIA

Inventor(s):(std): GREIG JENNY ; GREIG JENNY AGNES ; SIDRANE JENNY A ; TRETIAKOVA ANNA ; WILSON JAMES ; WILSON JAMES M ; TRETIAKOVA ANNA P ; CHEN SHU JEN

Inventor(s): ANNA P TRETIAKOVA ; WILSON JAMES M GLEN MILLS ; TRETIAKOVA ANNA P PHILADELPHIA ; GREIG JENNY AGNES THORNDALE ; JAMES M WILSON ; SHU JEN CHEN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; GOWLING LAFLEUR HENDERSON LLP; PATENTANWAELTE HAAR AND SCHWARZ HAAR; Manaton Ross Timothy; MANATON ROSS TIMOTHY; ISERN JORGE; MARKS AND CLERK SINGAPORE LLP; HOWSON AND HOWSON LLP; KODROFF CATHY A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE

GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01N63/00 A61K31/7088 A61K31/713 A61K35/76 A61K35/761 A61K38/00 A61K38/22 A61K38/44 A61K38/46 A61K39/395 A61K48/00 A61P1/16 A61P11/00 A61P19/02 A61P19/04 A61P25/00 A61P25/08 A61P25/14 A61P25/16 A61P25/28 A61P27/02 A61P3/10 A61P31/12 A61P31/14 A61P31/18 A61P35/00 A61P37/00 A61P7/02 A61P7/04 A61P9/04 A61P9/10 C07K14/00 C07K7/08 C12N1/21 C12N15/09 C12N15/63 C12N15/86 C12N15/861 C12N15/864 C12N5/10 C12N7/00 C12N7/01 C12N7/04 C12N9/22 C12Q1/68 G01N33/68 (Advanced/Invention); A61K48/00 A61P1/16 A61P3/10 A61P7/04 C07K14/47 C12N9/22 C12Q1/00 (Advanced/Non–invention)

CPC: C07K14/4702 C07K2319/09 C07K2319/715 C07K2319/80 C07K2319/81 C07K2319/92 C12N7/00 C12N2750/14143 C12N2750/14151 C12N2800/30 C12N2800/40 C12N2800/80 C12N2830/002 C12N2830/003 C12N2830/005 C12N2830/006 C12N2830/20 C12N2840/203 C12N15/85 C12Y301/21004 C07K7/08 C07K14/00 A61K48/0066 C12N9/22 C12N15/86

European class: C12N15/86 M07K319/715 M07K319/80 M12N750/14143 M12N800/30 M12N800/80 M12N830/00A1 M12N830/00A1A M12N830/00A2 M12N830/00A2A M12N830/20 M12N840/20A

US class: 1/1 424/94.6 424/94.600P 435/235.1 435/252.3 435/320.1 435/325 435/419 514/44R

Classification Explorer

Cited documents: WO9941258 A1, WO9936553 A2, WO9910510 A2, WO9910508 A1, WO9802441 A2, WO9731898 A1, WO9703195 A1, WO9641865 A1, WO9621035 A2, WO9620951 A1, WO9606097 A1, WO9533052 A1, WO9418347 A1, WO9418317 A1, WO9411503 A2, WO9216557 A1, WO9109122 A1, WO9107490 A1, WO8707144 A1, WO200851854, WO11126808 A2, WO09146179 A1, WO09146179, WO08051854 A2, WO08027084 A2, WO07127264 A2, WO07126798 A2, WO06111068 A1, WO06110689 A2, WO05103332 A2, WO05033321 A2, WO04108922 A2, WO03101436 A1, WO03052052 A2, WO03042397 A2, WO03024502 A2, WO03014367 A1, WO0270740, WO02070740 A2, WO0183692 A2, WO0114387 A1, WO0108369 A1, WO0041566 A1, US9510591, US9510591, US9408008, US7790449 BB, US7521240 BB, US7485441 BB, US7456683 BB, US7439065 BB, US7319002 BB, US7282199 BB, US7235393 BB, US7229823 BB, US7220577 BB, US7201898 BB, US7198951 BB, US7196192 BB, US7172893 BB, US7125717 BB, US7109317 BA, US7094604 BB, US7067526 BA, US7056502 BB, US7008780 BB, US6984635 BA, US6972193 BA, US6951753 BB, US6693189 BB, US6660514 BA, US6649595 BB, US6596535 BA, US6509152 BA, US6506379 BA, US6492106 BA, US6491907 BA, US6479653 BA, US6476200 BA, US6464974 BA, US6326166 BA, US6268213 BA, US6258823 BA, US622349 A, US6221349 BA, US6204059 BA, US6200560 BA, US6187757 BA, US6165787 A, US6156303 A, US6150527 A, US6150137 A, US6140120 A, US6133456 A, US6127521 A, US6117680 A, US6063625 A, US6057152 A, US6046047 A, US6043082 A, US6015709 A, US6011018 A, US5888834 A, US5871753 A, US5869337 A, US5834266 A, US5830462 A, US5789203 A, US5741683 A, US5693499 A, US5681746 A, US5668108 A, US5661008 A, US5633150 A, US5595886 A, US5587310 A, US5563045 A, US5451521 A, US5436150 A, US5422260 A, US5171844 A, US5149637 A, US5139941 A, US5112950 A, US5045455 A, US5004803 A, US4886876 A, US4757006 A, US4753893 A, US4544640 A, US4331649 A, US4210622 A, US4141965 A, US318755 P2, US2013023033 AA, US2009100535 AA, US2008274093 AA, US2008075740 AA, US2008075737 AA, US2007036760 AA, US2006121014 AA, US2005266567 AA, US2005014166 AA, US2004052764 AA, US2003232410 AA, US2003138772 AA, US2003126624 AA, US2003022375 AA, US2002173474 AA, JP2013529063 T2, JP2009171890 A2, JP2009171880 A2, JP2009171880, JP200333179, JP2003033179 A2, EP0874057 A2, EP0795021 A2, EP0786474 A1, EP0672138 A1, EP0670332 A2, EP0533862 A1, EP0506757 A1, EP0500734 A1, EP0270618 A1, EP0232112 A2, EP0182448 A2, EP0162067 A1, EP0160457 A1, DE10023887 A1, DE10023887,

Forward Citations: WO17106345, WO17106244, WO17106202, WO17100682, WO17075119, WO17040524, WO16205825, WO16176191, WO16098078, WO15164778, WO15012924, WO13188316, WO13173129, WO13173129, WO13158879, US9719106, US9315825, JP2014534175, CN104487579, CN103352053, CN103088009, CN103088009,

Abstract:
Source: US2012058102A The present invention relates to gene therapy systems designed for the delivery of a therapeutic product to a subject using replication–defective virus composition(s) engineered with a built–in safety mechanism for ablating the therapeutic gene product, either permanently or temporarily, in response to a pharmacological agent–preferably an oral formulation, e.g., a pill. The invention is based, in part, on the

applicants' development of an integrated approach, referred to herein as "PITA" (Pharmacologically Induced Transgene Ablation), for ablating a transgene or negatively regulating transgene expression. In this approach, replication−deficient viruses are used to deliver a transgene encoding a therapeutic product (an RNA or a protein) so that it is expressed in the subject, but can be reversibly or irreversibly turned off by administering the pharmacological agent; e.g., by administration of a small molecule that induces expression of an ablator specific for the transgene or its RNA transcript.

0) US2010102086A – DISPENSER FOR CONTAINING AND DISPENSING A LIQUI...

30) Family number: 44938159 (US2010102086A) © PatBase

Title: DISPENSER FOR CONTAINING AND DISPENSING A LIQUID OR POURABLE SOLID PRODUCT

Priority: US20080259443 20081028

Family:

Publication number	Publication date	Application number	Application date
US2010102086 AA	20100429	US20080259443	20081028
US8087546 BB	20120103	US20080259443	20081028
WO10051077 A1	20100506	WO2009US48371	20090624

Probable Assignee: RABINOVITCH DAN

Assignee(s):(std)**:** RABINOVITCH DAN

Inventor(s):(std)**:** RABINOVITCH DAN

Agent(s): CAESAR RIVISE BERNSTEIN COHEN AND POKOTILOW LTD; BERKOWITZ MICHAEL J

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** B65D25/40 B65D35/56 B65D47/20 B65D55/10 B65D75/58 B65D77/06 B65D81/24 (Advanced/Invention); B65D25/38 B65D35/00 B65D47/04 B65D55/02 B65D75/52 B65D77/06 B65D81/24 (Core/Invention)

CPC: B65D55/10 B65D75/5883 B65D77/06 B65D81/24

European class: B65D55/10 B65D75/58G3C B65D77/06 B65D81/24

US class: 222/105 222/183 222/500

Classification Explorer

Cited documents: WOW091149, WO08091149 A1, WO02091149, USD446420 S1, US7802703 BB, US5967379 A, US5911345 A, US5601211 A, US5579945 A, US5249714 A, US4984711 A, US4955512 A, US4473174 A, US3968907 A, US3965953 A, US2991897 A, US2828054 A, US2554570 A, US2113048 A, US2008142545 AA, US2005029285 AA, FR775479 A, EP1302408 A1,

Forward Citations: USD688563, USD682095, USD680879, USD674276, USD673448, USD669353, USD653106, US9061816, US8998020, US2011272410, US2011226809, US2011192867,

Abstract:
Source: US2010102086A A dispenser is provided for containing and dispensing a liquid or pourable solid product. The dispenser includes a shell having a bottom and a continuous side wall, which together define a hollow cavity. A lid assembly covers the rigid shell and includes a central opening. A flexible pouch is arranged for locating within the hollow cavity and for containing the product to be dispensed. The flexible pouch includes a pouring spout having an outlet opening. The pouring spout is arranged for extending through the lid assembly opening when the flexible pouch is situated within the hollow cavity. The lid assembly additionally includes a set of clamping members positioned to surround the pouring spout. The clamping members are responsive to actuation and arranged to move from a retracted position to a clamping position to prevent movement of the pouring spout when situated within the opening.

0) US6176275B – VAPOR RECOVERY SYSTEM FOR MOBILE FUELERS

31) Family number: 14949309 (US6176275B) © PatBase

Title: Vapor recovery system for mobile fuelers

Priority: US19990243747 19990203

Family:

Publication number	Publication date	Application number	Application date
US6176275 BA	20010123	US19990243747	19990203

Probable Assignee: HILL BOB J

Assignee(s): HILL BOB J

Inventor(s):(std)**:** HILL BOB J

International class (IPC 8–9)**:** B67D7/04 (Advanced/Invention); B67D7/00 (Core/Invention)

International class (IPC 1–7)**:** B65B31/04

CPC: B67D7/0482

European class: B67D7/04C1B2

US class: 141/231 141/285 141/59 141/65 141/98

Classification Explorer

Cited documents: US5983962 A, US5765603 A, US5676181 A, US5584279 A, US5513680 A, US5494409 A, US5386859 A, US5327944 A, US5305807 A, US5297574 A, US5207249 A, US5178197 A, US5174346 A, US5103877 A, US5035729 A, US3981335 A, US3981334 A, US3941168 A, US3814148 A, US3687087 A, US2331879 A,

Forward Citations: WO08009128, WO08009128, WO08009119, WO07079577, US8936051, US8925595, US8353319, US6941978, US6923221, US6302164, US2007227621, US2005268971, US2005121101, US2005121100, EP2241806,

Abstract:
Source: US6176275B A system for recovering fuel vapor during delivery of fuel by a mobile fueler includes a storage tank covered with a layer of insulation, a supply pump connected to the storage tank for delivering fuel therefrom, and a fuel dispensing assembly, preferably a coaxial hose and nozzle, including a supply outlet for delivering fuel to a vehicle being fueled, and a vapor recovery inlet proximate the supply outlet. A diverter valve diverts a portion of the fuel in the supply line, and a vacuum jet pump is connected to the storage tank and, by a vapor line, to the vapor recovery inlet, which is driven by the diverted fuel to create a vacuum in the vapor line to draw vapor into the vapor recovery inlet, through the vapor line, and into the storage tank. A vapor pot is provided in the vapor line for separating liquid fuel from vapor in the vapor line and for returning separated liquid fuel back into the supply line. Fuel pressures between 20 and 40 psi drive the vacuum jet pump to create a vacuum between –20 and –80 inches w.g. in the vapor line and thereby recover fuel vapor from the supply outlet of the fuel dispensing assembly at efficiencies of at least 95 percent.

32) Family number: 58929455 (US2016138832A) © PatBase

Title: METHODS FOR LOADING BATTERY STORAGE COMPARTMENTS INTO A SOLAR CANOPY SUPPORT STRUCTURE

Priority: US20130885897P 20131002 US20140058671 20141001 US20160007140 20160126 US20150678476 20150403 WO2014US58671 20141001

Family:

Publication number	Publication date	Application number	Application date
CN206086406 U	20170412	CN201490001206U	20141001
EP3041706 A1	20160713	EP20140851068	20141001
US2016138832 AA	20160519	US20160007140	20160126
US2016294022 AA	20161006	US20150678476	20150403
US9647300 BB	20170509	US20150678476	20150403
WO15051021 A1	20150409	WO2014US58671	20141001

Probable Assignee: LT350 LLC

Assignee(s):(std)**:** LT 350 LLC ; LT350 LLC

Inventor(s):(std)**:** COOK STEVE ; DAVIDOVITS TERENCE ; ERIK GERRY ; FALLOW III WALTER ; GREEN ERIK ; JEFFREY THRAMANN ; SLATTEBO JOHN ; TERENCE DAVIDOVITS ; THRAMANN JEFF ; THRAMANN JEFFREY

Agent(s): MOORE BARRY; PERKINS COIE LLP; KINNEAR BRIAN P ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B60L11/18 F24J2/52 H01L31/042 H01M10/46 H02J7/00 H02J7/35 H02S40/34 H02S40/38 (Advanced/Invention)

CPC: H01M10/465 H02S40/38 H02S40/345 H02J7/35 H02J7/0016 Y02E10/47 B60L11/1822 B60L11/1824 B60L11/184 B60L11/1842 B60L11/1844 B60L11/1846 B60L11/1848 B60L11/1864 B60L11/1874 B60L11/1879 B60L2210/30 B60L2210/40 B60L2230/16 B60L2230/22 Y02E60/721 Y02T10/7005 Y02T10/7061 Y02T10/7094 Y02T10/7241 Y02T90/121 Y02T90/124 Y02T90/127 Y02T90/128 Y02T90/14 Y02T90/163 Y02T90/169 Y04S10/126 Y04S30/14 H02S20/24 E04H6/06 F24J2/5228 F24J2/523 F24J2002/5281 E04H15/62

US class: 29/426.2 29/428 320/101

Classification Explorer

Cited documents: USRE38850 E, US9275391 BB, US9121189 BB, US8513832 BB, US8313224 BB, US7898212 BB, US7248018 BB, US7152614 BB, US6922701 BA, US6803746 BB, US6766623 BA, US6748296 BB, US6521821 BB, US6380637 BA, US6368724 BA, US6352783 BA, US6291761 BA, US6218450 BA, US6178406 BA, US6178406 B1, US6167658 BA, US6167658 B1, US6165619 A, US6115694 A, US5857477 A, US5711110 A, US5644219 A, US5644207 A, US5631536 A, US5349535 A, US5344330 A, US5187423 A, US5184058 A, US5091687 A, US4984399 A, US4867133 A, US4718404 A, US4595789 A, US4575977 A, US4560916 A, US4245621 A, US4241727 A, US4237965 A, US4194334 A, US4089916 A, US4030478 A, US2013042542 AA, US2012131866 AA, US2011181233 AA, US2011023931 AA, US2010226775 AA, US2010006140 AA, US2008053716 AA, US2007295381 AA, US2007235077 AA, US2007188137 AA, US2007163634 AA, US2007158621 AA, US2006207192 AA, US2006162617 AA, US2006118898 AA, US2006086382 AA, US2005060951 AA, US2005011547 AA, US2005003219 AA, US2004200522 AA, US2004065025 AA,

Abstract:
Source: US2016138832A The present application provides methods for loading and unloading high capacity storage equipment to a solar power canopy. The methods and structures may include horizontal support members have mechanisms to engage corresponding mechanisms on a compartment housing the high capacity storage

equipment. The mechanisms may include plates, flanged surfaces, rails, tracks, hook assemblies, and ridges. The methods and structures may include a superstructure that is coupled to an moves with respect to the solar power canopy frame. The superstructure may pivot and/or rotate to allow loading and unloading. The methods and structures also may include cabinets or cubicles sized to receive one or more compartments housing the high capacity storage equipment.

0) US4735348A – APPARATUS FOR MAKING A CARBONATED BEVERAGE

33) Family number: 2143909 (US4735348A) © PatBase

Title: Apparatus for making a carbonated beverage

Priority: CA19830434987 19830819 GB19830022880 19830825 US19820453350 19821227 US19830491564 19830504 US19860819401 19860116

Family:

Publication number	Publication date	Application number	Application date
AU198318527 A1	19840705	AU19830018527	19830830
BE898455 A1	19840330	BE19830212045	19831214
CA1224763 A1	19870728	CA19830434987	19830819
DE3330996 A1	19840628	DE19833330996	19830827
DK595083 A	19840628	DK19830005950	19831223
DK595083 A0	19831223	DK19830005950	19831223
FR2538237 A1	19840629	FR19830020555	19831222
FR2538237 B3	19870213	FR19830020555	19831222
GB2133302 A1	19840725	GB19830022880	19830825
GB2133302 B2	19871014	GB19830022880	19830825
GB2168905 A1	19860702	GB19860001607	19860123
GB8322880 A0	19830928	GB19830022880	19830825
GB8601607 A0	19860226	GB19860001607	19860123
IT1160237 A	19870304	IT19830068342	19831222
IT8368342 A0	19831222	IT19830068342	19831222
JP59139918 A2	19840811	JP19830215893	19831116
KR840007060 A	19841205	KR19830004049	19830830
LU85158 A	19850912	LU19830085158	19831223
NL8303513 A	19840716	NL19830003513	19831013
NO833718 A	19840628	NO19830003718	19831012
SE8305338 A	19840628	SE19830005338D	19830930
SE8305338 A0	19830930	SE19830005338	19830930
SE8305338 L	19840628	SE19830005338	19830930
US4735348 A	19880405	US19860819401	19860116
ZA8306400 A	19840425	ZA19830006400	19830829

Probable Assignee: NORCARL PRODUCTS INC

Assignee(s):(std)**:** NORCARL PRODUCTS INC ; NOOKAARU PURODAKUTSU INC

Assignee(s): NORCARL PROD INC ; NORCARL PRODUCTS INC MAYFIELD VILLAGE OHIO US ; NORCARL PRODUCTS INC TE MAYFIELD VILLAGE OHIO VER ; NORCARL PRODUCTS INC TE MAYFIELD VILLAGE OHIO VER ST V AM ; SANTOIEMMO CARL V

Inventor(s):(std)**:** CARL V SANTOIEMMO ; KAARU BUI SANTOIENMO ; SANTOIEMMO C V ; SANTOIEMMO CARL V ; BEARDSLEE ROBERT M ; SANTOIEMMO CARL Y

Inventor(s): C V SANTOIEMMO ; SANTOIEMMO CARL V GATES MILLS OHIO US ; CARL Y SANTOIEMMO

Agent(s): COLLISON AND CO; SWABEY MITCHELL HOULE MARCOUX AND SHER

International class (IPC 8–9)**:** A23L2/00 A23L2/40 A47J41/00 B01F1/00 B67D1/04 B67D5/54 B67D5/56 (Advanced/Invention); A23L2/00 A23L2/40 B01F1/00 B67D1/00 (Core/Invention)

International class (IPC 1–7)**:** A23L2/00 A23L2/26 A23L2/40 A47J41/00 A47J43/04 B01F1/00 B01F15/06 B01F3/04 B65D47/24 B65D83/00 B65D83/14 B67D1/00 B67D1/04 B67D5/54 B67D5/56 C02F

CPC: B67D1/0412

European class: B67D1/04B

US class: 222/399 222/400.7 222/469

Classification Explorer

Cited documents: US3420418 A, US3143254 A, US3109565 A, US2822054 A, US2732977 A, US2649661 A, US2172035 A, US2017664 A, US1988979 A, US1602745 A, GB643020 A, GB289664 A, GB280141 A, GB2068521 A1, GB1410326 A, GB1146399 A, FR2480899 A1, EP0023237 A1, DE151635 A,

Forward Citations: WO9615687, WO09142802, WO08112535, WO03018433, US9668508, US9352949, US9302229, US8272538, US8251257, US8191740, US8141755, US8070023, US8052012, US8038039, US7891199, US7669738, US7096677, US6651852, US6017021, US5758828, US5635232, US5350587, US5270069, US5112539, US5110012, US2015296856, US2015284175, US2015044343, US2010006603, US2009321443, US2009302038, US2009283554, US2009283553, US2009283540, US2009261129, US2009140006, US2009090741, US2008217362, US2008217361, US2008053117, US2006249147, US2004216467, JP2008311009, EP2129596, DE102011000031, AU2014202558, AU2008226514,

Abstract:
Source: US4735348A A thermo−insulated vessel is provided with a plurality of sealed inserts containing a freezable substance adapted to cool a liquid stored in said vessel. The vessel is also provided with means to carbonate the liquid and to dispense the carbonated liquid upon demand.

0) US6539334B – AUTOMATED WEIGHING STATION

34) Family number: 16055213 (US6539334B) © PatBase

Title: Automated weighing station

Priority: US20000611393 20000707 US20030332114 20030106 WO2001US41301 20010706

Family:

Publication number	Publication date	Application number	Application date
AU200181296 A5	20020121	AU20010081296	20010706
AU771688 B2	20040401	AU20010081296	20010706
CA2384345 AA	20020305	CA20012384345	20010706
EP1214568 A1	20020619	EP20010959777	20010706
JP2004503742 T2	20040205	JP20020509726T	20010706
MXPA02002477 A1	20040910	MX2002PA02477	20010706
US6539334 BA	20030325	US20000611393	20000707
US6898549 BA	20050524	US20030332114	20030106
WO0204900 A1	20020117	WO2001US41301	20010706
WO0204900 C2	20030206	WO2001US41301	20010706

Probable Assignee: VTVX HOLDINGS I LLC

Assignee(s):(std)**:** SAWAFTA REYAD ; TRANS TECH PHARMA INC ; TRANSTECH PHARMA INC

Assignee(s): TRANTECH PHARMA INC ; TRANSTECH PHARMA LLC ; VTV THERAPEUTICS LLC ; VTVX HOLDINGS II LLC ; VTVX HOLDINGS I LLC ; M AND F TTP HOLDINGS LLC C O MACANDREWS AND FORBES HOLDINGS INC ; M AND F TTP HOLDINGS LLC COLLATERAL AGENT AS

Inventor(s):(std)**:** REYAD SAWAFTA ; SAWAFTA REYAD ; SAWAFTA REYAD I

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; MOFFAT AND CO; KILPATRICK STOCKTON LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): B65B3/26 C40B60/14 G01G17/06 G01N1/00 G01N35/00 G01N35/10 G01N37/00 (Advanced/Invention); C40B60/14 G01N1/00 G01N35/10 G01N37/00 (Advanced/Non–invention); B65B3/00 G01G17/00 G01N1/00 G01N35/00 G01N35/10 G01N37/00 (Core/Invention); C40B60/14 (Core/Non–invention)

International class (IPC 1–7): B65B3/26 G01G17/06 G01G19/03 G01N1/00 G01N35/00 G01N35/10 G01N37/00

CPC: B01J2219/00315 B01J2219/00351 B01J2219/00585 B01J2219/0059 B01J2219/00689 B01J2219/00691 C40B60/14 G01G17/06 G01N35/0099 G01N2035/00217

European class: G01G17/06 G01N35/00R L01J219/00C2B4D2 L01J219/00C2D L01J219/00C4B L01J219/00C4D L01J219/00C6F2 L01J219/00C6F4 M40B60/14 S01N35/00D3A

US class: 141/165 177/25.11 702/173 702/175

Classification Explorer

Cited documents: WO9915905 A1, WO9801760 A2, US6539334 BA, US6455002 BA, US6387330 BA, US5993744 A, US5985214 A, US5835982 A, US5769775 A, US5660792 A, US4976377 A, US4913198 A, EP1003020 A1, EP0769686 B1, EP0769686 A2, DE19722091 A1,

Forward Citations: WO14062828, WO14025817, WO11008290, WO11008290, WO05059567, WO03098170, US9010819, US8967691, US7996107, US7931869, US6898549, US2009231951, US2008128970, US2007162250, US2007086878, US2005169733, US2004253150, US2004044439, US2004043504, EP1482286,

Abstract:
Source: US6539334B An automated weighing station is provided which is advantageous for automatically

weighing samples generally disposed in containers in an array of racks. The weighing station comprises a sample handling assembly which is operably connected to a balance, allowing a moveable sample carrier to bring samples into position beneath the balance and sample handling assembly, thereby minimizing the movement of individual samples in order to accomplish weighing. A weighing system that provides flexibility and convenience in generating and transforming a variety of data sets associated with measurements accomplished using the weighing apparatus is also provided.

0) DE3438014A1 – HEATING BOILER HEIZKESSEL

35) Family number: 3812049 (DE3438014A1) © PatBase

Title: Heating boiler

Priority: DE19843438014 19841017

Family:

Publication number	Publication date	Application number	Application date
DE3438014 A1	19860417	DE19843438014	19841017

Probable Assignee: DRUEE KONRAD

Assignee(s):(std)**:** DRUEE KONRAD

Inventor(s): VERZICHT DES ERFINDERS AUF NENNUNG

International class (IPC 8–9)**:** F24H1/24 F24H1/28 F24H1/50 (Advanced/Invention); F24H1/22 F24H1/48 (Core/Invention)

International class (IPC 1–7)**:** F24H1/24

CPC: F24H1/24 F24H1/28 F24H1/50

European class: F24H1/24 F24H1/28 F24H1/50

Classification Explorer

Cited documents: FR2232748, DE3302967, DE1194112,

Abstract:
Source: DE3438014A1 Heating boiler for production of hot water for a central heating system and/or for production of hot domestic water, which is designed above the furnace space as a double–walled tank or housing, with an open inner space, the double–walled bottom of which forms the separation in relation to the furnace space, the double–walled side walls and the double–walled front and/or rear wall of which receive, in the cavities formed by them, the waste gas flues adjoining the furnace space, the circulating water of the heating system being guided at least in the bottom cavity.

0) US2013247454A – VARIOUS METHODS AND APPARATUSES FOR INTERNALLY ...

36) Family number: 54823538 (US2013247454A) © PatBase

Title: VARIOUS METHODS AND APPARATUSES FOR INTERNALLY HEATED RADIANT TUBES IN A CHEMICAL REACTOR

Priority: US20120429752 20120326 US20130823661P 20130515 US20140278313 20140515 US20140278152 20140515

Family:

Publication number	Publication date	Application number	Application date
US2013247454 AA	20130926	US20120429752	20120326
US2014241949 AA	20140828	US20140278313	20140515
US2014341785 AA	20141120	US20140278152	20140515
US9295961 BB	20160329	US20120429752	20120326
WO13148610 A1	20131003	WO2013US33773	20130326

Probable Assignee: SUNDROP FUELS INC

Assignee(s):(std)**:** LASKA TIMOTHY E ; SUNDROP FUELS INC ; TURNER JOHN T

Inventor(s):(std)**:** LASKA TIMOTHY E ; LICHTY PAUL ; PERKINS CHRISTOPHER ; SIMMONS WAYNE W ; TURNER JOHN T

Agent(s): RUTAN AND TUCKER LLP; FERRILL THOMAS S

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** B01J12/00 B01J19/02 B01J19/24 B01J6/00 B01J8/00 B01J8/06 B01J8/08 B01J8/12 C01B3/32 C07C2/00 C07C2/76 C07C5/327 C10G2/00 C10G9/20 C10J3/46 C10J3/48 C10J3/50 C10L1/12 C10L9/08 (Advanced/Invention)

CPC: B01J12/005 B01J2208/00123 B01J8/087 B01J8/0025 B01J8/12 B01J19/02 B01J2208/00132 B01J2208/00504 B01J2208/00513 B01J2208/0084 B01J2219/0263 C07C5/327 C10G2/32 C10G9/20 C10J3/48 C10J3/485 C10J3/506 C10J2300/0903 C10J2300/0906 C10J2300/0916 C10J2300/0976 C10J2300/1223 C10J2300/1246 C10J2300/1665 C10J2300/1853 C10L9/083 Y02E50/15 Y02E50/18 Y02E50/32 C07C5/32 C07C2/00 C07C2/76 C10L1/12 Y02P20/145 C07C9/06 C07C11/04 Y02P30/40 Y02P30/442

US class: 1/1 422/162 422/623 422/659 44/457 48/197R 585/501 585/510 585/700 585/701

Classification Explorer

Cited documents: WO11155962 A1, WO11139199 A1, WO11088982 A1, US9011560 BB, US8673231 BB, US8273314 BB, US8007761 BB, US7985399 BB, US7931888 BB, US7881825 BB, US7871457 BB, US7856829 BB, US7686856 BB, US7645437 BA, US7632476 BB, US7553476 BB, US7033570 BB, US6872378 BB, US6402988 BA, US5876469 A, US4971600 A, US4002438 A, US3909299 A, US2546570 A, US2012277327 AA, US2012241677 AA, US2012181483 AA, US2011155958 AA, US2011124927 AA, US2011107661 AA, US2010273899 AA, US2010270505 AA, US2010137459 AA, US2010000874 AA, US2009313886 AA, US2009013601 AA, US2008222955 AA, US2008086946 AA, US2008025884 AA, US2007098602 AA, US2007054227 AA, US2006199127 AA, US2006188433 AA, US2006140848 AA, US2005142049 AA, US2004219079 AA, US2003208959 AA, US2003182861 AA,

Forward Citations: US9447326, US9089825, US8771387, US2014249237, US2013053604, CN105567278, CN103666583,

Abstract:
Source: US2013247454A A radiant heat chemical reactor is configured to generate chemical products including synthesis gas products. Two or more tubes in the radiant heat chemical reactor separate an exothermic heat source, such as flames and gas from a regenerative burner, from the endothermic reaction of the reactant gas occurring within the cavity of the refractory vessel. The exothermic heat source heats a space inside the tubes. One or more feed lines supply chemical reactants to the cavity area between an inner wall of the cavity of the

refractory vessel of the chemical reactor and the two or more tubes that are internally heated located with the cavity.

0) DE2921706A1 – VERFAHREN ZUM SAUERSTOFFARMEN/KONSERVIERENDEN B...

37) Family number: 1800982 (DE2921706A1) © PatBase

Title: VERFAHREN ZUM SAUERSTOFFARMEN/KONSERVIERENDEN BEGASEN UND BEHANDELN VON LEBENSMITTELN O.DGL. UND VORRICHTUNG ZUR AUSFUEHRUNG DES VERFAHRENS LOW OXYGEN GAS PRESERVATION FOR FOOD – REPLACING AIR IN CONTAINER BY PROTECTIVE GAS

Priority: DE19792921706 19790529

Family:

Publication number	Publication date	Application number	Application date
DE2921706 A1	19801211	DE19792921706	19790529

Probable Assignee: LAUFENBERG UWE

Assignee(s):(std)**:** LAUFENBERG JOSEF ; LAUFENBERG UWE

Inventor(s):(std)**:** BEANTRAGT NICHTNENNUNG

International class (IPC 8–9)**:** A23L3/015 A23L3/3409 B65B31/00 (Advanced/Invention); A23L3/015 A23L3/34 B65B31/00 (Core/Invention)

International class (IPC 1–7)**:** A23L3/16

CPC: A23L3/0155 A23L3/3409 B65B31/00

European class: A23L3/015F A23L3/3409 B65B31/00

Classification Explorer

Cited documents: US3307618 A, US2214264 A, DE904415 A,

Forward Citations: WO9515887, WO9515887, US6403176, US5794408, US4843956, FR2623694, FR2606982, EP0363341, EP0169927, EP0068724, EP0068724, BE1007847, AU685883,

Abstract:
Source: DE2921706A1 Verfahren zum sauerstoffarmen konservierenden Begasen und Behandeln von Lebensmitteln in mindestens einem gasdicht verschliessbaren, verstellbar gelagerten Aufnahmebehaelter bzw einer Kammer, in den bzw die ueber duesenartige Oeffnungen ein Gas eingefuehrt wird, dadurch gekennzeichnet, dass die Ausstroemung und/ oder Einstroemung ueber zusaetzliche Oeffnungen, aber mindestens eine usstroemoeffnung, derart gesteuert wird bzw werden, dass in dem Behaelter bzw der Kammer eine druck–, mengen–, zeit– und/oder temperaturabhaengig gesteuerte Durchstroemung mit Schutzgas und/ oder Dampf, insbesondere Wasserdampf, sowie ggf der Luft auf recnt erhalten wird. Food is given a preservation treatment in a chamber where a protective gas or steam is introduced to replace the air. Outlet and/or inlet valves for the circuit are controlled in such a way that the flow is regulated as a function of pressure, quantity, time and/or temperature. This system can be easily adjusted for different types of food and can accommodate to a wide variety of sizes. Its operation can be fully or semi–automatic and it requires little maintenance.

38) Family number: 1412537 (US4033093A) © PatBase

Title: Bottom filling pouch packaging method and apparatus

Priority: US19760650346 19760119

Family:

Publication number	Publication date	Application number	Application date
CA1032910 A1	19780613	CA19760261878	19760923
DE2654309 A1	19770721	DE19762654309	19761130
FR2338190 A1	19770812	FR19760033565	19761105
GB1562300 A	19800312	GB19760045843	19761104
US4033093 A	19770705	US19760650346	19760119

Probable Assignee: FMC CORP

Assignee(s):(std)**:** FMC CORP

Assignee(s): MENCACCI SAMUEL A

Inventor(s):(std)**:** MENCACCI SAMUEL A ; MENCACCI SAMUEL ALFRED

Inventor(s): ALFRED MENCACCI SAMUEL

International class (IPC 8–9)**:** B65B31/02 B65B31/04 B65B31/06 B65B39/14 (Advanced/Invention); B65B31/02 B65B31/04 B65B39/00 (Core/Invention)

International class (IPC 1–7)**:** B65B1/00 B65B3/00 B65B31/02 B65B31/04 B65B31/06 B65B39/12

CPC: B65B31/04 B65B39/14

European class: B65B31/04 B65B39/14

US class: 141/264 53/110 53/112B 53/512 53/571

Classification Explorer

Cited documents: US3619975 A, US3381446 A, US3162219 A, US2649671 A, US2311707 A, US2113636 A, DE1148482 B,

Forward Citations: WO9117924, US9505504, US8151543, US7004302, US6931824, US6695168, US6449970, US6443335, US6360556, US6354341, US6276118, US6173556, US6050061, US5507132, US5480372, US5463848, US5463845, US5265402, US5095960, US5077958, US4956964, US4723392, US4509313, US4353198, US2012210675, US2010269458, US2006016154, US2003233812, US2003154697, KR100759893, CN103787030,

Abstract:
Source: US4033093A A method and apparatus for bottom filling a measured quantity of a particulate product in a pouch by first moving a closed pouch into an air–free atmosphere; opening the pouch and spreading its mouth with a pivoted filling tube guide; lowering a filling tube into the pouch until lower gates of the tube are positioned near the bottom of the pouch; loading the filling tube with a measured quantity of particulate product when the gates are closed; thereafter opening the gates, releasing a jet of air–free gas into the bottom of the pouch, and continuing to introduce the high pressure air–free gas into the pouch as the filling tube is raised out of the pouch and the product is being transferred from the filling tube to the pouch with the air–free gas purging air from the pouch and the product; and sealing the air–free filled pouch while in the air–free atmosphere.

0) AP807A – MOBILE FUEL STATION.

39) Family number: 30868473 (AP807A) © PatBase

Title: Mobile fuel station.

Priority: AP19980001323 19970905

Family:

Publication number	Publication date	Application number	Application date
AP807 A	20000131	AP19980001323	19970905
AP9801323 A0	19980930	AP19980001323	19970905

Probable Assignee: KABUGA N M

Assignee(s):(std)**:** KABUGA N M ; KABUGA NAPHTALI MACHARIA

Inventor(s):(std)**:** KABUGA NAPHTALI MACHARIA

International class (IPC 8–9)**:** B60P3/22 B60P3/24 B61D5/02 (Advanced/Invention); B60P3/22 B61D5/00 (Core/Invention)

International class (IPC 1–7)**:** B07D5/61 B61D5/08

CPC: B60P3/2205 B60P3/246 B61D5/02

European class: B60P3/22A B60P3/24B B61D5/02

Classification Explorer

Cited documents: WO9801330 A1, US596501 A,

Abstract:
Source: AP807A This invention consists of a mobile fuel service station. A mobile fuel tanker truck is fitted with pumps and fuel meters so that it can be able to service vehicles at their station or in remote areas. The fuel tank consists of several compartments to hol

0) FR1494027A – MACHINE POUR ERIGER DES EBAUCHES DE CARTONS A P...

40) Family number: 22638473 (FR1494027A) © PatBase

Title:	MACHINE POUR ERIGER DES EBAUCHES DE CARTONS A PLAT ERECTING MACHINE FOR FLAT CARTONS BLANKS (Machine translation)
Priority:	FR19660077130 19660921

Family:

Publication number	Publication date	Application number	Application date
FR1494027 A	19670901	FR19660077130	19660921

Probable Assignee:	PRE O FORM CORP
Assignee(s):(std)**:**	PRE O FORM CORP
International class (IPC 8–9):	B31B5/78 (Advanced/Invention); B31B5/00 (Core/Invention)
International class (IPC 1–7):	B31B3/26 B65B43/26
CPC:	B31B50/00 B31B50/004 B31B50/78 B31B2100/00 B31B2120/30
European class:	L31B201/28A L31B201/29 L31B203/00A

Classification Explorer

Abstract:
Source: FR1494027A (Claim 1) 440, 445, vers les conducteurs 446 et 472, le contact 462a et le conducteur 473 vers l'electroaimant d'avancement de presse 328.

Machine translation: (Claim 1) 440, 445, 446 and to conductor 472, the contact 462a and the driver 473 toward the electromagnet progress press 328.

- **search:** SS4 FT=(water and (cooler or dispenser) and (bottom load*) and (storage or furniture or cabinet)) (Results 40)
- **search:** SS5 FT=(water and (cooler or dispenser) and (storage or furniture or cabinet)) (Results 89040)
- **search:** SS6 FT=(water and (cooler or dispenser) and (storage or furniture or cabinet) and planter) (Results 216)
- List: SS6 1–50 (FT=(water and (cooler or dispenser) and (storage or furniture or cabinet) and planter)) (Results 216)

0) US2008115414A – ADJUSTABLE HEIGHT PLANTER WITH AN OPTIONAL WATE...

1) Family number: 41819582 (US2008115414A) © PatBase

Title: ADJUSTABLE HEIGHT PLANTER WITH AN OPTIONAL WATERFALL, AND/OR AN ADJUSTABLE IRRIGATION SYSTEM FOR CONTROLLABLY WATERING THE PLANTER AND SURROUNDING TERRAIN

Priority: US20060867108P 20061122 US20070868534 20071007 US20070868534 20071008 US20080026553 20080205 US20080164075 20080629 US20110036962 20110228 WO2007US85197 20071120 US20140274653 20140509

Family:

Publication number	Publication date	Application number	Application date
CA2669411 AA	20090512	CA20072669411	20071120
MX2009005430 A1	20091013	MX20090005430	20071120
US2008115414 AA	20080522	US20070868534	20071008
US2009090051 AA	20090409	US20080026553	20080205
US2009090895 AA	20090409	US20080164075	20080629
US2012047801 AA	20120301	US20110036962	20110228
US2014318007 AA	20141030	US20140274653	20140509
US7770324 BB	20100810	US20070868534	20071008
US8136296 BB	20120320	US20080026553	20080205
US8375632 BB	20130219	US20110036962	20110228
US8720836 BB	20140513	US20080164075	20080629
WO08064204 A2	20080529	WO2007US85197	20071120
WO08064204 A3	20081120	WO2007US85197	20071120
WO09099977 A1	20090813	WO2009US32781	20090201
WO10008927 A1	20100121	WO2009US49123	20090629

Probable Assignee: HOGAN JAMES

Assignee(s):(std)**:** HOGAN JAMES ; HOGAN JR JAMES

Assignee(s): JAMES HOGAN

Inventor(s):(std)**:** HOGAN JAMES ; HOGAN JR JAMES

Inventor(s): JAMES HOGAN

Agent(s): FINLAYSON AND SINGLEHURST; MARK YOUNG PA; MARK; YOUNG MARK

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01G25/00 A01G25/02 A01G27/06 A01G9/02 A01G9/12 A01K1/00 A01K5/00 A47G7/02 B66D1/00 B66F13/00 F16M11/18 G09F17/00 (Advanced/Invention); A01G25/00 A01G25/02 A01G27/00 A01G9/02 A01G9/12 A47G7/00 B66D1/00 B66F13/00 (Core/Invention)

CPC: A01G9/023 F16M11/18 A01K1/00 A01K5/00 A01G27/003 A01G9/022 A47G7/041 A47G7/044

European class: A01G27/00D A01G9/02C A47G7/04B A47G7/04D

US class: 119/416 119/428 119/51.01 119/51.5 248/157 248/158 254/1 254/1S 254/266 254/266P 40/606.14 416/146R 47/39 47/48.5 47/48.500S 47/65.5 47/65.500S 47/66.6 47/66.600P 47/66.7 47/666 47/67 47/79 47/79S 47/82 47/82S 47/83 47/86 47/86S

Classification Explorer

Cited documents: US779924 A, US7155860 BA, US7127829 BB, US7043877 BA, US6840008 BA, US6752279 BA, US6665968 BB, US6626773 BA, US6606996 BA, US6557297 BB, US6513284 BA, US6378820 BA, US6003824 A, US6001019 A, US5794563 A,

US5598662 A, US5570546 A, US5502922 A, US5492232 A, US5440836 A, US5355835 A, US5354175 A, US5348374 A, US5332196 A, US5265376 A, US5129525 A, US5017080 A, US4896456 A, US4861219 A, US4825482 A, US4757641 A, US4600348 A, US4561208 A, US4419843 A, US4380136 A, US4117629 A, US4033072 A, US4025782 A, US3986480 A, US3958116 A, US3382988 A, US3367632 A, US3332652 A, US3301217 A, US2969186 A, US2566863 A, US248519 A, US2427416 A, US2387982 A, US2009235565 AA, US2009000189 AA, US2008115414 AA, US2008078121 AA, US2007220790 AA, US2005166452 AA, US2005091916 AA, US2005061945 AA, US2004255513 AA, US2004035049 AA, US2003986 A, US2003196376 AA, US2003161622 AA, US2003009940 AA, US2002189163 AA, US183163 A, US1499473 A, US147849 A, US1240908 A, JP8133693 A2, JP54104021 A2, JP2002325512 A2, JP11206534 A2, JP10179357 A2, GB2123679 A1,

Forward Citations: WO10008927, USD631390, US9644786, US9591814, US9523485, US9521726, US9504133, US9445550, US9222634, US9200818, US9196770, US9140432, US9121481, US9101099, US9074753, US8844907, US8695941, US8601750, US8585231, US8496365, US8475022, US8427009, US8245441, US7937187, US7722000, US2017144182, US2016091065, US2016050863, US2015296726, US2015291403, US2015260381, US2015096229, US2015070917, US2015068118, US2015047258, US2015027249, US2014319439, US2014290137, US2014230325, US2014070708, US2014061561, US2012167460, US2012152173, US2012147615, US2012074705, US2012018016, US2011101181, US2011083761, US2010307397, US2010293852, US2010286833, US2010175318, US2010005716, US2009278001, US2009185036, TWI485659, GB2494997, GB2494997, CN105052590, CN104126445, CN104126441, CN104126440, CN102379222, CN102204485,

Abstract:
Source: US2008115414A A planter system includes an adjustable height and angular orientation planter and an optionally adjustable irrigation system for controllably supplying water to the planter and/or surrounding terrain. The planter is configured to controllably travel up and down a vertical support, such as a section of a planter pole or other suitable vertical support structure, from a highest to a lowest position using a pulley and winch, block and tackle, rotating shaft, continuous pulley driven belt, continuous sprocket driven chain, lead screw, ball screw, a ballast, hydraulics, pneumatics, spring or other lifting subsystem. The irrigation system may be configured to supply water to the planter and or to the surrounding terrain. The planter is carried along the pole, allowing it to be controllably rotated at any height along the travel.

0) US2006231000A – SYSTEMS FOR THE CONTROL AND USE OF FLUIDS AND P...

2) Family number: 33511003 (US2006231000A) © PatBase

Title: SYSTEMS FOR THE CONTROL AND USE OF FLUIDS AND PARTICLES

Priority:

AU20060236371	20060418	AU20100235212	20100402	EP20060750530	20060418
NZ20060562877	20060418	AU20120254894	20121115	AU20160200640	20160202
US20070981370	20071031	US20070983857	20071113	US20070980893	20071031
US20070983975	20071113	US20070983855	20071113	US20070983941	20071113
US20050109398	20050419	US20060405603	20060417	US20070983976	20071113
US20090466693	20090515	US20090420708	20090408	WO2006US14518	20060418
US20110153060	20110603	WO2010US01003	20100402	US20120674725	20121112

Family:

Publication number	Publication date	Application number	Application date
AU2006236371 AA	20061026	AU20060236371	20060418
AU2010235212 AA	20101014	AU20100235212	20100402
AU2010235212 BB	20160331	AU20100235212	20100402
AU2012254894 AA	20121206	AU20120254894	20121115
AU2012254894 BB	20160121	AU20120254894	20121115
AU2016200640 AA	20160218	AU20160200640	20160202
BRPI0610599 A2	20100706	BR2006PI10599	20060418
BRPI1014236 A2	20170516	BR2010PI14236	20100402
CA2605254 AA	20061026	CA20062605254	20060418
CA2605254 C	20140812	CA20062605254	20060418
CA2758068 AA	20101014	CA20102758068	20100402
CN101203128 A	20080618	CN200680021862	20060418
CN101203128 B	20121219	CN200680021862	20060418
CN101683034 A	20100331	CN200910212214	20060418
CN101683034 B	20140625	CN200910212214	20060418
CN101695644 A	20100421	CN200910212213	20060418
CN101695644 B	20140409	CN200910212213	20060418
CN101696276 A	20100421	CN200910212209	20060418
CN101696276 B	20130313	CN200910212209	20060418
CN101822142 A	20100908	CN200910212208	20060418
CN102458094 A	20120516	CN201080025102	20100402
EP1871160 A2	20080102	EP20060750530	20060418
EP1871160 A4	20101215	EP20060750530	20060418
EP2377406 A1	20111019	EP20110168132	20060418
EP2381019 A1	20111026	EP20110168110	20060418
EP2384608 A2	20111109	EP20110168123	20060418
EP2384608 A3	20120215	EP20110168123	20060418
EP2384748 A2	20111109	EP20110168150	20060418
EP2384748 A3	20120314	EP20110168150	20060418
EP2416641 A1	20120215	EP20100761971	20100402
EP2416641 A4	20130828	EP20100761971	20100402
IN04061KN2007 A	20080718	IN2007KN04061	20071023
IN04178KN2011 A	20120706	IN2011KN04178	20111010
JP2008538291 T2	20081023	JP20080507796T	20060418
JP5570720 B2	20140813	JP20080507796T	20060418
MX2007012890 A1	20080212	MX20070012890	20060418
MX2011010617 A1	20120130	MX20110010617	20100402
MX339887 B	20160616	MX20110010617	20100402

NZ562877 A	20110429	NZ20060562877	20060418	
NZ589859 A	20120629	NZ20060589859	20060418	
NZ589860 A	20120629	NZ20060589860	20060418	
NZ589861 A	20120727	NZ20060589861	20060418	
US2006231000 AA	20061019	US20050109398	20050419	
US2006272562 AA	20061207	US20060405603	20060417	
US2008060564 AA	20080313	US20070983976	20071113	
US2008060565 AA	20080313	US20070981370	20071031	
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US2008071080 AA	20080320	US20070983855	20071113	
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US8163322 BB	20120424	US20070983941	20071113	
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US8235258 BB	20120807	US20110153060	20110603	
US8308075 BB	20121113	US20090420708	20090408	
US8501919 BB	20130806	US20070983855	20071113	
US9148994 BA	20151006	US20120674725	20121112	
WO06113688 A2	20061026	WO2006US14518	20060418	
WO06113688 A3	20071101	WO2006US14518	20060418	
WO10117434 A1	20101014	WO2010US01003	20100402	
ZA200709033 A	20081231	ZA20070009033	20060418	

Probable Assignee: KAMTERTER PRODUCTS LLC

Assignee(s):(std)**:** EASTIN JOHN ALVIN ; KAMTERER PRODUCTS LLC ; KAMTERTER II L L C ; KAMTERTER II LLC ; KAMTERTER LL L L C ; KAMTERTER PRODUCTS LLC ; KAMTERTER IL L L C ; VU DAVID

Assignee(s): KAMTERTER LL LLC ; KAMTERTER PRODUCTS LLC1025 NORTH 33RD STREETLINCOLNNE68503US ; KAMTERTER II LLC1025 NORTH 33RD STREETLINCOLNNE68503US ; KAMTERTER IL LLC

Inventor(s):(std)**:** EASTIN JOHN A ; EASTIN JOHN ALVIN ; VU DAVID ; DAVID VU ; ALVIN EASTIN JOHN ; JOHN ALVIN EASTIN

Inventor(s): VU DAVIDUS ; EASTIN JOHN ALVINUS ; EASTIN JOHN

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; RIDOUT AND MAYBEE LLP; UEXKUELL AND STOLBERG; TOMITA HIROYUKI; ONO SHINJIRO; KOBAYASHI YASUSHI; KANDA FUJIHIRO; CHIBA AKIO; VINCENT L CARNEY LAW OFFICE; VINCENT L; CARNEY VINCENT L; SUITER SWANTZ PC LLO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST

SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A01B79/00 A01B79/02 A01C1/00 A01C1/04 A01C1/06 A01C14/00 A01C15/00 A01C21/00 A01C23/00 A01C5/00 A01C7/00 A01C7/06 A01C7/08 A01C7/16 A01C7/18 A01C7/20 A01C9/00 A01G1/00 A01G13/00 A01G25/09 A01G9/08 A01M7/00 A01N25/26 A23L1/00 A23L1/22 A61K9/00 A61K9/50 A61K9/51 A61K9/70 B01J13/00 B05B1/24 B05B17/00 B05B17/04 B05B7/00 B05B7/08 B05B7/12 B05B7/24 B05B9/00 B05B9/03 B05C5/00 B28B1/00 B29C47/88 B65G33/00 C07H3/00 C08B37/00 C08B37/08 C08J3/02 C08J3/09 C08L5/08 D01D1/02 D01D5/00 D01F1/00 D01F6/00 D01F8/00 D01F9/00 F04D3/02 (Advanced/Invention);
A01C1/06 A01C14/00 A01C15/00 A01C21/00 A01C23/00 A01C5/00 A01C7/00 A01C9/00 A01M7/00 A01N25/26 B01J13/00 B05B1/00 B05B17/00 B05B17/04 B05B7/02 B05B7/24 B05B9/00 B28B1/00 B65G33/00 C07H3/00 C08J3/02 C08L5/00 D01F9/00 (Core/Invention);
A01C (Subclass/Invention)

International class (IPC 1–7): A01C15/00

CPC: Y10S47/09 Y10S47/11 Y10S111/90 Y10S111/905 Y10S111/917 C08B37/003 C08B37/0024 C08L5/08 A01C1/04 A01C7/00 A01M9/00 A01M9/0092 D01D5/00 A01C23/00 A01C7/004 A01C7/084 A01C7/085 A01C7/16 A01C7/06 A01M7/0089 D01D1/02 D01D5/0007 A01C1/06 D01F9/00 A01M7/0092

European class: A01C1/04 A01C1/06 A01C7/00 A01C7/06 A01M7/00G A01M7/00G1 A01M9/00 A01M9/00G D01D1/02 D01D5/00 D01D5/00E D01F9/00

US class: 1/1 111/118 111/120 111/120S 111/127 111/130 111/130S 111/173 111/174 111/200 111/34 111/900 111/905 111/917 118/313 118/313S 198/657 198/657S 222/412 239/1 239/11 239/11S 239/135 239/135S 239/146 239/172 239/172S 239/289 239/289S 239/412 239/412S 239/690 239/690S 239/8 239/8S 239/9 239/9S 264/211.12 264/211.14 264/211.17 415/72 415/72S 425/5 425/5S 425/72.2 426/474 47/1.01R 47/57.6 47/57.7 47/57.700P 47/58.10R 47/58.1R 47/DIG.11 47/DIG.9 504/100 504/100S 536/123.1 536/123.100 536/20 57/402

Classification Explorer

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US2015132423, US2014331553, US2014195948, US2014021224, US2011143312, US2011089054, US2010273258, US2010209602, US2010186297, US2010172958, US2009269392, US2009269391, US2009241817, US2009018479, US2008172159, US2008120864, US2008113214, US2008071080, US2008060565, US2006211973, US2006004314, TWI550545, RU2483514, JP5726068, JP2011523567, JP2010509735, JP2007053341, EP2996462, EP2416641, EP2416641, EP2314740, CN105200589, CN104853590, CN104678928, CN103885469, CN103370028, CN103155745, CN102867370, CN102458094, CN102273374, CN102076364, AU2010235212,

Abstract:
Source: US2006231000A The configuration of a feedstock material is controlled by bringing it into contact with at least a first gas moving against it at a location with an area and thickness of the feedstock liquid that forms drops or fibers of a selected size. In one embodiment, drops of agricultural input materials are formed for spraying on agricultural fields. In another embodiment, nanofibers of materials such as chitosan or metals are formed. In another embodiment seeds are planted with gel.

0) US2011154985A – WATER, LIGHT AND AIRFLOW CONTROL SYSTEM AND CON...

3) Family number: 44666865 (US2011154985A) © PatBase

Title: WATER, LIGHT AND AIRFLOW CONTROL SYSTEM AND CONFIGURATION FOR A PLANT AIR PURIFIER

Priority: US20080098314P 20080919 US20090060668 20090918 US20090062580 20090911 US20110060668 20110224 US20110062580 20110307 US20100314215P 20100316 WO2009US56581 20090911 US20110334260 20111222 US20110580159 20110310 US20130873927 20130430 US20130858851 20130408 US20120580159 20120821 US20120624831P 20120416 US20120642835P 20120504 WO2009US57392 20090918 WO2011US27860 20110310 WO2013US38843 20130430

Family:

Publication number	Publication date	Application number	Application date
CA2736254 AA	20110304	CA20092736254	20090911
CA2736271 AA	20110304	CA20092736271	20090918
CA2828602 AA	20130828	CA20112828602	20110310
CN102215939 A	20111012	CN200980146054	20090911
CN102215940 A	20111012	CN200980146055	20090918
EP2845335 A1	20150311	EP20130726908	20130430
IN02028CN2011 A	20120203	IN2011CN02028	20110323
IN02029CN2011 A	20120203	IN2011CN02029	20110323
US2011154985 AA	20110630	US20090060668	20090918
US2011162273 AA	20110707	US20090062580	20090911
US2012090232 AA	20120419	US20110334260	20111222
US2012311926 AA	20121213	US20110580159	20110310
US2013295980 AA	20131107	US20130873927	20130430
US2013297335 AA	20131107	US20130858851	20130408
US8083835 BB	20111227	US20090062580	20090911
US8454729 BB	20130604	US20110334260	20111222
US8894741 BB	20141125	US20090060668	20090918
US9010019 BB	20150421	US20110580159	20110310
WO10033423 A1	20100325	WO2009US56581	20090911
WO10033752 A1	20100325	WO2009US57392	20090918
WO10033752 A4	20100527	WO2009US57392	20090918
WO11115806 A2	20110922	WO2011US27860	20110310
WO11115806 A3	20120119	WO2011US27860	20110310
WO11115806 A4	20120308	WO2011US27860	20110310
WO13166002 A1	20131107	WO2013US38843	20130430

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE

GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01G1/00 A01G13/02 A01G17/06 A01G17/14 A01G25/00 A01G27/00 A01G31/00 A01G9/02 A01G9/16 A01G9/18 A01M7/00 A61L2/10 B01D46/00 B01D47/00 B01D53/14 B01D53/34 B01D53/84 B08B3/02 F21S4/00 F21V9/00 F24F13/00 F24F3/16 G06Q40/08 G06Q50/22 H04B17/00 H04W88/08 H05B37/02 (Advanced/Invention); B01D53/84 (Advanced/Non–invention); A01G27/00 A01G9/02 B01D53/84 F24F3/16 (Core/Invention)

CPC: G06Q40/08 G06Q50/22 B01D53/84 A01G27/00 B01D2257/708 F24F3/16 F24F2003/1653 H04B17/0055 H04B17/345 B01D2259/4508

European class: A01G27/00 B01D53/84 F24F3/16 L01D257/708 L01D259/45B L01D53/84 R24F3/16B25

US class: 134/199 250/492.1 250/492.100S 315/152 315/152S 362/231 362/249.02 362/249.020S 455/226.3 455/514 47/1.7 47/17 47/20.1 47/20.100S 47/44 47/45 47/45S 47/46 47/46S 47/58.1LS 47/59R 47/59S 47/65 47/66.6 47/66.600P 47/66.7 47/66.700P 47/66.700S 47/77 47/79 47/79S 705/2 95/1 95/149 95/1P 95/210 95/23 95/24 95/26 95/90 96/109 96/109S 96/115 96/115S 96/224 96/290 96/417 96/422 96/424

Classification Explorer

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Forward Citations: WO17035254, WO16199130, WO16046827, WO15191687, WO15188145, WO15126993, WO15116641, WO15013670, WO14123722, US9720197, US9717221, US9715242, US9699723, US9685782, US9681396, US9655195, US9653861, US9642209, US9603155, US9602209, US9602176, US9585920, US9568147, US9565596, US9547145, US9534800, US9515855, US9509133, US9497706, US9473228, US9468166, US9457077, US9419712, US9408880, US9382706, US9323020, US9252874, US9241453, US9227155, US9219546, US9191105, US9160449, US9074366, US9032665, US9010019, US8894741, US8752327, US8590207, US8454729, US8083835, US2017118964, US2016242244, US2016120139, US2015289452, US2015237811, US2015231548, US2015222348, US2015208598, US2015096228, US2015025738, US2014366445, US2014322071, US2014308044, US2014308043, US2014259921, US2014137468, US2014060164, US2014026474, US2013305606, US2013160363, US2013055634, US2013006401, US2012326610, US2012311926, US2012054061, US2011154985, KR20160114621, KR101727443, GB2534572, EP3172960, EP2608869, EP2608869, CN106014139, CN105664628, CN105518546, CN105283068, CN105148722, CN104995460, CN104969849, CN104613551, CN104396594, CN104350969, CN104307356, CN103299849, CN103157373,

Abstract:
Source: US2011154985A A plant air purifier and associated method for purifying air, comprising: at least one grow container; a filter bed comprising a surface which is horizontal within 20 degrees of a horizontal plane; at least one plant which grows within the filter bed; a reservoir for containing water for watering the at least one plant; a mechanical watering device which waters the filter bed from the top down; a pump for pumping water from the reservoir to and through the mechanical watering device; and an air propulsion mechanism for propelling air through the filter bed.

4) Family number: 28669920 (US2005006289A) © PatBase

Title: APPARATUS FOR OFFERING AND DISPENSING MINERAL WATER SUITABLE FOR CONSUMPTION

Priority: NL20011019544 20011212 US20040867097 20040614 WO2002NL00824 20021212

Family:

Publication number	Publication date	Application number	Application date
AT319659 E	20060315	AT20020786243T	20021212
AU2002351452 AA	20030623	AU20020351452	20021212
AU2002351452 BB	20071025	AU20020351452	20021212
DE60209782 D1	20060504	DE20026009782	20021212
DE60209782 T2	20070329	DE20026009782T	20021212
DK1453761 T3	20060703	DK20020786243T	20021212
EP1453761 A1	20040908	EP20020786243	20021212
EP1453761 B1	20060308	EP20020786243	20021212
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JP2005511291 T2	20050428	JP20030551073T	20021212
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NL1019544 C2	20030613	NL20011019544	20011212
US2005006289 AA	20050113	US20040867097	20040614
US7318893 BB	20080115	US20040867097	20040614
WO03050045 A1	20030619	WO2002NL00824	20021212

Probable Assignee: SARA LEE DE NV

Assignee(s):(std)**:** KROON ARIE ; LEE DE NV SARA ; LEE DE SARA NV ; BIESHEUVEL AREND CORNELIS JACO ; VAN EIJNATTEN ERIC MICHAEL COR ; SARA LEE DE N V ; SARA LEE DE NV

Assignee(s): SARA LEE DE N V UTRECHT ; VAN EIJNATTEN ERIC MICHAEL CORNELIS MARIA ; BIESHEUVEL AREND CORNELIS JACOBUS ; SARA LEE AND DE NV

Inventor(s):(std)**:** EIJNATTEN ERIC MICHAEL CORNELI ; ERIC MICHAEL CORNELIS MARIA VAN EIJNATTEN ; VAN EIJNATTEN MICHAEL ; VAN EIJNATTEN ERIC MICHAEL COR ; KROON ARIE ; EIJNATTEN ERIC MICHAEL CORNELIS ; BIESHEUVEL CORNELIS ; AREND CORNELIS JACOBUS BIESHEUVEL ; ARIE KROON ; BIESHEUVEL AREND CORNELIS JACO

Inventor(s): BIESHEUVEL AREND ; BIESHEUVEL AREND CORNELIS JACOBUS ; VAN EIJNATTEN ERIC MICHAEL CORNELIS MARIA ; VAN EIJNATTEN ERIC MICHAEL CORNELIS

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; MOTOMIYA TERUHISA; UBUKATA KAZUO; KATO NOBUAKI; TAKAHASHI SEIICHIRO; OCHI TAKAO; USUI SHINICHI; MATSUI TAKAO; OKABE MASAO; YOSHIZAWA HIROSHI; ALTERA LAW GROUP LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B67D1/00 B67D1/08 B67D1/16 C02F1/28 C02F1/44 C02F1/68 C02F3/12 (Advanced/Invention); C02F1/44 (Advanced/Non–invention); B67D1/00 C02F1/28 C02F1/44 C02F1/68 (Core/Invention); C02F1/44 (Core/Non–invention)

International class (IPC 1–7): A47J31/60 B67D5/62 C02F1/28 C02F1/44 C02F1/68 C02F9/00

CPC: B67D1/0009 B67D1/0857 B67D1/0871 B67D1/16 B67D2210/0001 B67D2210/00018 B67D2210/00104 B67D2210/00154 C02F1/44 C02F1/68 C02F2209/005 C02F2209/05

European class:

B67D1/00E4 B67D1/08D B67D1/08E B67D1/16 C02F1/68 L67D210/00B2D L67D210/00B4D L67D210/00D12D L67D210/00F2B2 M02F1/44 M02F209/00T M02F209/05

US class: 210/194

Classification Explorer

Cited documents: WO9961366 A1, WO9942002 A1, WO9933363 A1, WO9848648 A1, WO9839085 A1, WO9629890 A1, WO9528854 A1, WO9412189 A1, WO9406547 A1, WO9204969 A1, WO9112734 A1, WO9005348 A1, WO03029150 A1, WO0122838 A1, WO0047064 A1, WO0012200 A1, US6684648 BB, US6569329 BA, US6099799 A, US5782380 A, US5776339 A, US5597487 A, US5575405 A, US5569389 A, US5494573 A, US5443739 A, US5441179 A, US5429753 A, US5427682 A, US5261792 A, US5227053 A, US5203803 A, US5091081 A, US5004535 A, US4969991 A, US4962866 A, US4944217 A, US4915261 A, US4909931 A, US4810388 A, US4808346 A, US4801375 A, US4784771 A, US4773993 A, US4757921 A, US4597509 A, US4544084 A, US4528093 A, US4325975 A, US4160727 A, US3856676 A, US3654148 A, US3383310 A, US3225965 A, US2297599 A, RU2192765 C2, NL7901469 A, KR2002024125, KR20020024125 A, KR20020003719 A, JP8077454 A2, JP7251185, JP63294393, JP343398, JP3224690 A2, JP3043398, JP2003030740 A2, JP2002292371 A2, JP2002282870 A2, JP1258793 A2, JP11283120 A2, HU188438 B, HU188438, GB2148117 A1, GB2069458 A1, GB202839 A, GB2015863 A1, EP1161886 A1, EP1129986 A1, EP0947518 A1, EP0928565 A1, EP0651358 A1, EP0634109 A2, EP0576752 A1, EP0492370 A1, EP0255766 A1, EP0246177 A2, EP0138060 A2, EP0115216 A2, DE9316610 U, DE9316610, DE3937510 A1, DE2032863 A1, DE19942431 A1, DE19839209 A1, DE19829984 A1, DE19825559 A1, DE19628575 A1,

Forward Citations: WO08139296, WO05047170, WO04104527, WO04103097, WO04103097, US8478540, US7861896, US2014076824, US2012282678, US2007170212, US2007145523, NL1024787, NL1023521, EP2354094, EP1857415, AU2004289577,

Abstract:
Source: US2005006289A An apparatus for presenting and dispensing mineral water suitable for consumption, characterized in that the apparatus is arranged to generate the mineral water from mains water and is provided with a mains water inlet, water processing means for obtaining the mineral water from the mains water, at least an outlet for dispensing the mineral water and a first fluid connection between the inlet and the water processing means for supplying the mains water to be processed to the water processing means, the water processing means being provided with a first storage vessel which, in use, is filled with the mineral water, at least a second storage vessel which, in use, is filled with minerals, at least a dosing unit for dispensing, in a dosed manner, minerals from the second storage vessel to the first storage vessel, at least a cooling unit for cooling the first storage vessel, at least a third storage vessel which, in use, is also filled with the mineral water, a second fluid connection between the first storage vessel and the third storage vessel for conveying mineral water from the first storage vessel to the third storage vessel and at least a first recirculation system for discharging mineral water from the third storage vessel and for then supplying the discharged mineral water to the third storage vessel again, the outlet being arranged to dispense the mineral water from the third storage vessel and/or the first storage vessel.

0) US2012048813A – WATER TREATMENT AND REVITALIZATION SYSTEM AND M...

5) Family number: 50736920 (US2012048813A) © PatBase

Title: WATER TREATMENT AND REVITALIZATION SYSTEM AND METHOD

Priority: US20100376447P 20100824 US20110213614 20110819 WO2011US48936 20110824 US20120620815 20120915

Family:

Publication number	Publication date	Application number	Application date
AP201306776 A0	20130331	AP20130006776	20110824
AR083732 AA	20130320	AR2011P103092	20110824
AU2011293417 AA	20120301	AU20110293417	20110824
AU2011293417 BB	20161006	AU20110293417	20110824
CA2809366 AA	20130225	CA20112809366	20110824
CL2013000522 A1	20131025	CL20130000522	20130222
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US8636910 BB	20140128	US20110213614	20110819
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Probable Assignee: QWTIP LLC

Assignee(s):(std)**:** HIRSCHFELD LUIS OCTAVIO PEREZ ; IRVIN JR WHITAKER BEN ; IRVIN SR WHITAKER BEN ; IRVIN WHITAKER BEN SR ; QWTIP LLC

Inventor(s):(std)**:** IRVIN JR WHITAKER BEN ; WHITAKER BEN IRVIN SR ; IRVIN WHITAKER BEN ; IRVIN WHITAKER BEN SR ; HIRSCHFELD LUIS OCTAVIO PEREZ ; IRVIN SR WHITAKER BEN

Inventor(s): IRVIN SR ; LUIS OCTAVIO PEREZ HIRSCHFELD ; WHITAKER BEN IRVIN

Agent(s): HALFORDS IP; BLAKE CASSELS AND GRAYDON LLP; ESTUDIO CAREY LTDA; VIERING JENTSCHURA AND PARTNER; CAHN AND SAMUELS LLP; METZENTHIN GEORGE ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9):	B01D21/26 B01D21/30 B01D35/28 B01F5/12 B01F7/00 B01F7/22 C02F C02F1/00 C02F1/34 C02F1/46 C02F1/50 C02F1/68 C02F1/74 C02F3/00 C02F3/20 F03B3/04 F03B3/12 F04D1/00 F04D13/00 F04D13/06 F04D13/08 F15C1/16 (Advanced/Invention); B01F C02F F04D (Subclass/Invention)
CPC:	Y10T137/2087 B01D21/262 C02F1/005 C02F1/38 C02F1/48 C02F2103/42 C02F2301/026 C02F2303/04 F04D5/001 B01F5/12 C02F1/74
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US class:	137/808 210/138 210/298 210/330 210/331 210/512.3 210/512.300S 210/780 210/787 415/220 415/90 55/345 55/403 55/406
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Forward Citations:	WO13181129, WO13029016, WO13029016, US9714176, US9707495, US9605663, US9474991, US9469553, US8636910, US8623212, US2016228797, US2015144478, US2014224722, US2014209535, US2014183144, TWI577441, KR101312498, CN103626343,

Abstract:
Source: US2012048813A A system and method are provided in at least one embodiment to filter water through a vortex leading into a disk–pack turbine having an expansion chamber and outlets into a discharge chamber that leads to at least one discharge port. In a further embodiment, the system includes an intake module, a vortex module, a disk–pack turbine module, and a motor for driving the disk–pack turbine. The intake module brings water into the system and routes the water to the vortex module that speeds up the water into a vortex that flows into the disk–pack turbine that discharges into a discharge chamber that leads to at least one discharge port. The disk–pack turbine includes a plurality of disks that are spaced apart forming chambers between the disks that provide at least one passageway between the expansion chamber and the discharge chamber.

0) US4397675A – METHOD OF PRODUCING UREA–SULFURIC ACID REACTION...

6) Family number: 28673809 (US4397675A) © PatBase

Title: Method of producing urea–sulfuric acid reaction products

Priority:

AU19870071396 19870410
BR1986PI02034 19860506
CA19860516227 19860819
EP19860111365 19860818
IN1988MA00519 19880720
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Family:

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Probable Assignee: ENTEK CORP

Assignee(s):(std)**:** MOBAY CHEMICAL CORP ; UNION OIL CO ; YOUNG DONALD C

Assignee(s): UNION OIL CO OF CALIFORNIA LOS ANGLES CALIFORNIA A ; UNION OIL CO OF CALIFORNIA LOS ANGELES CA A CORP O ; UNION OIL CO OF CALIFORNIA A CORP OF CA ; UNION OIL CO OF CALIFORNIA LOS ANGELES CA A CA COR ; UNION OIL CO OF CALIFORNIA A CA CORP ; UNION OIL CO OF CALIFORNIA LOS ANGELES CALIFORNIA ; UNION OIL CO OF CALIFORNIA LOS ANGELES CALIF US ; UNION OIL CO OF CALIFORNIA LOS ANGELES CALIF ; UNION OIL CO CALIF ; UNION OIL CO OF CA ; UNION OIL CO OF CALIFORNIA ; UNION OIL CO OF CALIFORNIA A CORPOF CALIF ; UNOCAL CORP ; ENTEK CORP ; MOBAY CHEMICAL A NJ CORP CORP

Inventor(s):(std)**:** DONALD CLIFFORD YOUNG ; DONARUDO SHII YANGU ; LIM IN C ; REINERT GERARD E ; YOUNG DONALD C ; YOUNG DONALD CHRISTOPHER ; CARTER JR RUSSELL P

Inventor(s): DONALD C YOUNG

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; FETHERSTONHAUGH AND CO; REINHOLD COHN AND PARTNERS

Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

International class (IPC 8–9)**:** A01N57/20 A01N59/02 B01J31/02 B27K5/00 C05C9/00 C07F9/38 C08B15/00 C08F4/00 C08F8/12 C08K3/36 C23C18/38 C23F11/04 C25D3/02 C25D3/38 C25F5/00 (Advanced/Invention); H05K3/07 (Advanced/Non–invention); A01N57/00 A01N59/02 B27K5/00 C05C9/00 C07F9/00 C08B15/00 C08F8/00 C23F11/04 (Core/Invention); A01N C01B C07F (Subclass/Invention)

International class (IPC 1–7)**:** A01C1/00 A01N25/02 A01N25/30 A01N31/00 A01N37/16 A01N37/18 A01N47/20 A01N47/28 A01N57/00 A01N57/04 A01N57/12 A01N57/18 A01N57/20 A01N59/00 A01N59/02 A23K1/22 A61K31/10 B01J23/00 B01J31/00 B01J31/02 B05D3/02 B08B3/08 B08B9/00 B29C17/08 C05C9/00 C05F11/00 C07B47/00 C07C101/02 C07C103/365 C07C127/01 C07C127/19 C07C127/22 C07C149/40 C07C153/057 C07C157/12 C07C163/00 C07C2/02 C07C2/04 C07C2/16 C07C2/56 C07C2/66 C07C2/84 C07C2/86 C07C275/00 C07C5/00 C07C5/03 C07C5/27 C07C67/08 C07C69/60 C07C76/02 C07C79/10 C07D147/82 C07F9/38 C07K1/12 C07K3/10 C07L5/22 C07L5/23 C08B1/02 C08B15/00 C08F2/00 C08F20/42 C08F4/00 C08F8/12 C08F8/34 C08H5/04 C08K3/36 C08L89/00 C09K3/00 C11D7/08 C11D7/32 C13K1/02 C13K1/06 C23F11/16 C23F11/18 C23G1/02 C23G3/04 C25D3/00 C25D3/02 C25F3/00 H01M6/04 H01M6/16

CPC: A01N57/20 C07F9/3813 C08K3/36 B01J31/0247 C23C18/38 C25D3/02 C25D3/38 C25F5/00 H05K3/07 B01J31/0249 C23G1/081 B27M1/00 Y10S71/04 Y10S502/509 C23F11/04 C05C9/00 C13K1/06 C09K3/00 A01N59/02

European class: A01N57/20 A01N59/02 B01J31/02E2L2 B01J31/02E2L6 C05C9/00 C07F9/38A1U C08K3/36 C23C18/38 C23F11/04 C23G1/08B C25D3/02 C25D3/38 C25F5/00 T05K3/07

US class: 106/14.15 106/14.21 106/14.33 127/29 127/34 127/37 127/38 127/42 134/19 134/22.11 134/22.14 134/27 134/3 134/38 134/40 134/41 134/42 204/45.1 205/234 205/261 205/263 205/264 205/265 205/267 205/270 205/271 205/283 205/296 205/302 205/311 205/313 205/675 205/678 205/684 216/83 252/1 252/142 252/148 252/182 252/183.13 252/387 252/389.1 252/389R 252/391 252/545 252/62.2 252/87 422/12 422/16 424/400 424/713 426/442 426/69 427/308 427/319 427/320 427/325 429/198 429/203 429/204 429/347 47/57.6 502/100 502/159 502/167 502/168 502/200 502/215 502/216 502/420 502/509 504/113 504/121 504/122 504/123 504/124 504/125 504/127 504/130 504/133 504/137 504/140 504/143 504/148 504/149 504/173 504/183 504/186 504/196 504/201 504/203 504/205 504/206 504/326 504/327 504/328 504/329 504/330 504/332 504/339 504/362 510/108 510/188 510/195 510/247 510/253 510/362 510/405 510/494 510/501 514/588

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Abstract:
Source: US4397675A Stable, urea−sulfuric acid reaction products of predetermined composition containing mono− and/or diurea sulfates and less than 35 weight percent water are produced from concentrated, urea−sulfuric acid reaction product feeds of different compositions by simultaneously and separately adding a selected feed solution and reactant urea and/or sulfuric acid, and optionally water, to a reaction zone in stoichiometric proportions so that the composition of the total feed to the reaction zone corresponds to the predetermined composition. Reaction temperature is maintained at a level below the incipient decomposition temperature of the predetermined composition, and the resulting products are essentially or completely free of sulfamic acid and/or ammonium sulfamate. Depending upon the relative proportions of unreacted sulfuric acid and urea in the total feed, the reaction may be exothermic or endothermic and, when desired, the otherwise endothermic reactions can be made exothermic by the reaction of excess urea and sulfuric acid to autogenously maintain the desired reaction temperature.

0) US2010124586A – STABLE, DURABLE GRANULES WITH ACTIVE AGENTS

7) Family number: 34395885 (US2010124586A) © PatBase

Title: STABLE, DURABLE GRANULES WITH ACTIVE AGENTS

Priority:

AU20120244263 20121031 AU20150221462 20150901 EP20060826039 20061012
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US20140338588 20140723

Family:

Publication number	Publication date	Application number	Application date
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WO07044968 A3	20070607	WO2006US40394	20061012	
ZA200803025 A	20100728	ZA20080003025	20061012	

Probable Assignee: DANISCO US INC

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Inventor(s): PARTSUF MICHAEL PALO ALTO ; PARTSUF MICHAELUS ; GRAUEHSEN TROEHL'S ; BEKKER NATANIEL' T. ; MARK S GEBERT ; MARK S GERBERT ; NATHANIEL T BECKER ; GRAVESEN TROELSDK ; KATHLEEN A CLARKSON ; GERBERT MARK S PACIFICA ; BECKER NATHANIEL T HILLSBOROUGH ; BECKER NATHANIEL TUS ; FRYKSDALE BETH SAN JOSE ; FRYKSDALE BETHUS ; GEBERT MARK SUS ; DALE DOUGLAS A C O DANISCO US INC ; DALE DOUGLAS A PALO ALTO ; DALE DOUGLAS A C O DANISCO US INC ; DALE DOUGLAS PACIFICA ; DALE DOUGLASUS ; CLARKSON KATHLEEN A C O DANISCO US INC ; CLARKSON KATHLEEN A PALO ALTO ; CLARKSON KATHLEEN A SAN FRANCISCO ; CLARKSON KATHLEEN A C O DANISCO US INC ; CLARKSON KATHLEEN AUS

Agent(s): HOULIHAN2; HOULIHAN² PTY LTD; HOULIHAN²; BERESKIN AND PARR LLP SENCRL SRL; HOFFMANN EITLE PATENT U RECHTSANWAELTE PARTMBB; KIDDLE SIMON JOHN ET AL; HOFFMANN EITLE; FUSTER GUSTAVO NICOLAS; YAMASAKI YUKUZO; SHIROGANE HIROSHI; AKAMATSU TOSHIAKI; SUGIYAMA NAOTO; DANISCO US INC ATTENTION LEGAL DEPARTMENT

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT

LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A23K1/00 A23K1/16 A23K1/165 A23K1/18 A23K20/189 A23L1/03 A23P1/02 A61K38/46 A61K38/47 A61K47/02 A61K9/14 A61K9/16 C12N9/96 C12N9/98 (Advanced/Invention); A23K1/00 A23K1/16 A23K1/165 A61K9/16 (Advanced/Non–invention); A23K1/00 A23K1/16 A23K1/165 A23L1/03 A61K9/16 C12N9/96 C12N9/98 (Core/Invention); A23K A61K C12N (Subclass/Invention)

International class (IPC 1–7): A23K1/165

CPC: A61K9/5073 C12N9/96 C12N9/98 A61K9/14 A61K47/02 A61K38/47 A61K38/465 A61K9/16 A23K20/189 A23K40/30 A23K50/75

European class: A23K1/00B3 A23K1/165B A23K1/18L2 A61K9/50K C12N9/96 C12N9/98

US class: 424/490 424/493 424/94.1 424/94.6 426/61 426/61P 426/654 426/654S

Classification Explorer

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Forward Citations: WO17040499, WO16149636, WO16062857, WO16062855, WO15116395, WO15114112, WO15077573, WO15073772, WO15057619, WO14205161, WO14020141, WO13192043, WO13165725, WO13119470, WO13119468, WO12110778, WO12110777, WO12110776, WO12032472, WO12004759, WO11134809, WO11116445, WO11116445, WO09102770, WO09019335, WO09019335, WO08097620, US9210945, US9179693, US9173423, US9107433, US8772220, US8691303, US2015037491, US2014255549, US2013171204, US2012026240, US2009280218, US2009054295, RU2508785, RU2508682, KR101622776, KR101616132, JP5520218, JP5463146, JP2015511125, JP2010534067, JP2010517573, FR2918844, EP3196302, EP2840134, EP2497374, EP2380974, EP1974030, CN103156070, CN102480996, CN102090535, CN102090515, AU2008285608,

Abstract:
Source: US2010124586A A stable, durable granule for feed compositions has a core, at least one active agent; and at least one coating. The active agent of the granule retains at least 50 percent activity, at least 60 percent activity, at least 70 percent activity, at least 80 percent activity after conditions selected from one or more of a) a feed pelleting process, b) a steam–heated feed pretreatment process, c) storage, d) storage as an ingredient in an unpelleted mixture, and e) storage as an ingredient in a feed base mix or a feed premix comprising at least one compound selected from trace minerals, organic acids, reducing sugars, vitamins, choline chloride, and compounds which result in an acidic or a basic feed base mix or feed premix.

0) US2014231326A – APPARATUS FOR VACUUMING POLLUTION FROM A BODY O...

8) Family number: 57177105 (US2014231326A) © PatBase

Title: APPARATUS FOR VACUUMING POLLUTION FROM A BODY OF WATER

Priority: AU20140202263 20140425 CA20132805925 20130206 US20130786452P 20130315 CA20142840478 20140123 CA20142846047 20140314 CA20142814478 20140123 US20130817267P 20130429 US20130838336P 20130623 US20130845349P 20130711 US20130878028P 20130915 US20130879646P 20130918 US20130914353P 20131210 US20130887421P 20131006 US20140001056P 20140521 US20140923729P 20140105 US20140170604 20140201 US20140262762 20140427 US20140988268P 20140504 WO2014CA00515 20140623

Family:

Publication number	Publication date	Application number	Application date
AU2014202263 AA	20141113	AU20140202263	20140425
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US2014231326 AA	20140821	US20140170604	20140201
US2014353221 AA	20141204	US20140262762	20140427
WO14205544 A1	20141231	WO2014CA00515	20140623

Probable Assignee: ISLAND AND PRAIRIE SUCTION TECH INC

Assignee(s):(std)**:** BILEY JONATHAN KARL WAYNE ; ISLAND AND PRAIRIE SUCTION TECH INC ; BILEY JONATHAN ; BILEY JONATHAN K

Assignee(s): BILEY JONATHAN K115–19567 FRASER HWYSURREYB1V3S 9A4CA ; UNKNOWN ; BILEY JONATHAN KARL WAYNE MR

Inventor(s):(std)**:** BILEY JONATHAN KARL WAYNE ; FARRELL SEAN CAREIS ; NG SARAH ; BILEY JONATHAN K

Inventor(s): BILEY JONATHAN K115–19567 FRASER HWYSURREYB1V3S 9A4CA ; UNKNOWN

Agent(s): BILEY JONATHAN KARL WAYNE MR

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A01D44/00 A01D45/00 A01D46/00 A01G33/00 B63B35/00 B63B35/32 E01H1/08 E01H12/00 E01H15/00 E02B15/00 E02B15/10 (Advanced/Invention)

CPC: E02B15/104 E02B15/10 E01H12/004 A01D44/00 B63B35/32

US class: 210/137 210/143 210/170.01 210/170.05 210/242.1 210/85

Classification Explorer

Cited documents: US8080164 BB, US7833416 BA, US5948266 A, US5753108 A, US5071545 A, US4882073 A, US4779404 A, US4758355 A, US4456536 A, US4356094 A, US4209400 A, US3966614 A, US3347029 A, US2009293442 AA, US2009044546 AA, CA2751060 C, CA2494807 AA, AU2007200665 BB, AU2007200665 B2,

Forward Citations: US2016304170, FR3045560, FR3037004,

Abstract:
Source: US2014231326A A floatable–material harvester is disclosed, including a vacuum source, transport hose, and a floatable–material receiver. In one embodiment, the transport hose has at least one air inductor/intake along its length, which allows air to enter the transport hose to accelerate its contents, by negative pressure air induction. In another embodiment, a transport hose has at least one floatable–material thruster along its length, comprised of at least one nozzle, which provides pressurized fluid (e.g., air or water) in the direction of the flow of the harvested floatable material by positive pressure induction. A method is disclosed whereby the floatable

material harvester is used to harvest an absorbent material (e.g., wood chips, straw, perlite, zeolite, polypropylene mesh, titanate nanofibres) that has absorbed a pollutant (e.g., oil, solvent, radioactive isotopes) from a beach or in water.

0) US2002088175A – RETROFITTING AERATING ROOT PRUNER

9) Family number: 30116341 (US2002088175A) © PatBase

Title: RETROFITTING AERATING ROOT PRUNER

Priority: CA19962257539 19960607 US19950479712 19950607 US19950488289 19950607 US19950488292 19950607 WO1996US10493 19960607 US19960767837 19961217 US19970974432 19971119 US20010824986 20010402 US19990347506 19990702

Family:

Publication number	Publication date	Application number	Application date
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AU713138 B2	19991125	AU19960064776	19960607
CA2257539 AA	19981207	CA19962257539	19960607
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US6612069 BB	20030902	US20010824986	20010402
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WO9639801 A2	19961219	WO1996US10493	19960607
WO9639801 A3	19970206	WO1996US10493	19960607

Probable Assignee: LAZZZY WAY

Assignee(s):(std)**:** DUNBAR DANIEL P ; LAZZZY WAY ; LOCKE RANDAL D ; LOCKE TERESA M

Assignee(s): LOCKE TERESA MARIE ; LOCKE RANDAL D A ; LAZZZY WAY PATENT HOLDING AND MANAGEMENT CO ; DUNBAR DANIEL PAUL

Inventor(s):(std)**:** DANIEL P DUNBAR ; DUNBAR DANIEL P ; DUNBAR DANIEL PAUL ; LOCKE RANDAL D ; LOCKE RANDAL D A ; LOCKE TERESA M ; LOCKE TERESA MARIE ; RANDAL D LOCKE ; TERESA M LOCKE

Agent(s): PHILLIPS ORMONDE FITZPATRICK; JOHNSON ERNEST PETER

Designated states: AL AM AT AU AZ BB BE BF BG BJ BR BY CA CF CG CH CI CN CZ DE DK EE ES FI FR GB GE GR HU IE IL IS IT JP KE KG KP KR KZ LI LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG US UZ VN

International class (IPC 8–9): A01G25/00 A01G27/00 A01G31/02 A01G9/02 A01G9/10 E03D1/32 F16K21/18 F16K31/34 (Advanced/Invention); A01G27/00 A01G9/10 E03D1/30 F16K21/00 (Core/Invention)

International class (IPC 1–7): A01G23/00 A01G25/00 A01G27/00 A01G31/02 A01G9/02 A01K39/00 A01K7/00 F16K24/00 F16K31/128 F16K31/34 F16K31/385 F16K33/00

CPC: Y10T137/7339 Y10T137/7374 Y10T137/7413 Y10T137/7498 Y10T137/86324 E03D1/32 Y10T137/60 A01G27/00 F16K21/18 A01G9/00 A01G3/00

European class: A01G27/00 A01G9/10 E03D1/32 F16K21/18

US class: 119/74 137/315 137/315.07 137/403 137/414 137/426 137/453 137/587 47/1.01R 47/79 47/790 47/79P 47/81 47/85

Classification Explorer

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Forward Citations: WO12013935, WO09076505, WO05053378, WO0018216, USRE45837, USD790777, USD789621, USD788380, USD744172, USD743636, USD729989, USD720833, USD704383, USD678462, USD638588, USD623805, USD611662, USD561305, US9578818, US9521811, US9345460, US8992567, US8961541, US8925247, US8893432, US8857481, US8733291, US8651056, US8528252, US8528251, US8518063, US8499493, US8365320, US8281946, US8210447, US8091279, US8051603, US7988127, US7913451, US7856755, US7748347, US7743696, US7730666, US7659493, US7647938, US7634872, US7607260, US7516753, US7449332, US7448347, US7423243, US7293577, US7093391, US7089881, US7082717, US6955008, US6886589, US6814266, US6792891, US6782844, US6729070, US6684813, US6675533, US6640747, US6536160, US6484666, US6321487, US6237283, US6226921, US6223466, US6102067, US6079951, US6038814, US5983564, US5937574, US2017099791, US2016050857, US2015373935, US2015373933, US2015040471, US2014325905, US2014237897, US2014123557, US2013212942, US2013067811, US2013047507, US2012266535, US2012255226, US2012199245, US2012145843, US2012074178, US2011126777, US2011083761, US2010229464, US2010192463, US2010170448, US2010071255, US2010031568, US2009277085, US2009241848, US2009199472, US2009133636, US2009068729, US2009031629, US2008313960, US2008173245, US2008157016, US2008110089, US2008104749, US2008083163, US2008035068, US2007221133, US2007204857, US2007094928, US2007089366, US2007028846, US2006277825, US2006207661, US2006150505, US2006150497, US2006124878, US2005166853, US2005120626, US2005050798, US2004219665, US2004144026, US2004103851, US2004035466, US2002195470, US2002174599, EP1653016, CN102357010,

Abstract:
Source: US2002088175A Disclosed is a retrofittable aerating root pruner (RARP) adapted to be detachably mounted on the inner face of the side wall of a plant container having drain ports at the bottom of the side wall thereof, which is an elongate rectangular flat or hemi−cylindrical sheet member with wings along both its long sides which fit snugly against the inner face of the side wall of the plant container when the RARP to form a conduit extending to the bottom of the plant container. The RARP is mounted at its upper end to the upper edge of the plant container and at its bottom end by an extension which projects through a drain port and mounts on the outer surface of the bottom of the plant container. The upper portion of the sheet member is solid to restrict the amount of water which can flow directly into the conduit and exit out the drain port and the remainder contains a plurality of apertures so that the conduit provides ambient air access to the planting medium along the length of the and thereby promotes enhanced aeration of and uniform distribution of water in the planting and creates an air root pruning effect on the roots of a plant growing in the plant container. An apertured cutter plate which fits in the RARP can be used to mechanically sever plant roots which penetrate the RARP.

10) Family number: 32382586 (US2004138098A) © PatBase

Title: PHARMACEUTICAL COMPOSITIONS INCLUDING LOW DOSAGES OF DESMOPRESSIN

Priority:

EP20030727870	20030507	GB20020010397	20020507	US20050513437	20050614
US20030513437	20030507	US20030706100	20031112	IN2004DN03101	20030507
US20070744615	20070504	US20080173072	20080715	US20080173074	20080715
US20090487116	20090618	US20090613855	20091106	US20110110619	20110518
US20120599768	20120830	US20140326939	20140709	WO2003US14463	20030506
WO2003IB02368	20030507	WO2002IB04036	20020920	US20150947261	20151120
US20160333503	20161025				

Family:

Publication number	Publication date	Application number	Application date
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AU2003233118 BH	20090730	AU20030233118	20030507
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US2010056436 AA	20100304	US20090613855	20091106	
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US2012322734 AA	20121220	US20120599768	20120830	
US2015150938 AA	20150604	US20140326939	20140709	
US2016175246 AA	20160623	US20150947261	20151120	
US2017112895 AA	20170427	US20160333503	20161025	
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US7405203 C1	20110412	US20070744615	20070504	
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US7560429 BB	20090714	US20050513437	20050614	
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WO04041153 A3	20040826	WO2003US14463	20030506	
ZA200408596 A	20060628	ZA20040008596	20041022	

Probable Assignee: FERRING BV

Assignee(s):[std]**:** ALLERGAN INC ; FEIN SEYMOUR ; FEIN SEYMOUR H ; FERRING BV ; LINDNER HANS ; NARDI RON ; NILSSON ANDERS ; SENDEROVITZ THOMAS ; WITTENDORFF JOERGEN ; NILSSON LARS ANDERS RAGNAR ; WITTENDORFF JENSEN JOERGEN ;

REPRISE BIOPHARMACEUTICS LLC ; WITTENDORFF JORGEN

Assignee(s): SERENITY PHARMACEUTICALS LLC ; FERRING INT CENTER SA ; REPRISE PHARMACEUTICALS LLC ; FERRING B V ; FERRING B V NL

Inventor(s):(std)**:** ANDERS LARS ; FEIN SEYMOUR ; JENSEN JORGEN WITTENDORFF ; LINDNER HANS ; NARDI RON ; NILSSON ANDERS ; NILSSON ANDERS LARS ; NILSSON LARS A R ; SENDEROVITZ THOMAS ; WITTENDORFF JCRGEN ; WITTENDORFF JENSEN J ; WITTENDORFF JENSEN JORGEN ; WITTENDORFF JERGEN ; WITTENDORFF JOERGEN ; WITTENDORFF JOREGEN ; FEIN SEYMOUR H ; WITTENDORFF JORGEN ; LIDNER HANS ; JORGEN WITTENDORFF JENSEN ; WITTENDORFF JENSEN JOERGEN ; NILSEN ANDERS ; NIL SSON LARS ANDERS RAGNAR ; LINDNER KHANS ; JORGEN WITTENDORFF ; JORGEN NILSSON ANDERS LINDNER ; HANS LINDNER ; ANDERS NILSSON ; NILSSON LARS ANDERS RAGNAR ; WITTENDORFF JENSEN ; VITTENDORF JENSEN JORGEN ; NILSSON ANDRES

Inventor(s): NILSSON ANDERS LINDNER HANS WITTENDORFF JORGEN ; NILSSON ANDERS LINDNER HANS WITTENDORFF JENSEN... ; THOMAS SENDEROVITZ ; SEYMOUR FEIN ; RON NARDI ; JORGE WITTENDORFF ; HANS LINDNE ; LINDER HANS ; SEYMOUR H FEIN ; NIL'SSON LARS ANDERS RAGNAR ; NILSSON ANDERS LINDNER HANS WITTENDORFF JENSEN JOR ; NILSSON ANDERS LINDNER HANS WITTENDORFF JENSEN JORGEN ; LARS ANDERS ; LARS ANDERS RAGNAR NILSSON ; HANS LIDNER

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; OGILVY RENAULT LLP SENCRL SRL; ARIAS JUAN; DR SHLOMO COHEN AND CO; REINHOLD COHN AND PARTNERS; FOLEY AND LARDNER, SUITE 500; FOLEY AND LARDNER SUITE 500; GOODWIN PROCTER LLP, PATENT ADMINISTRATOR; GOODWIN PROCTER LLP PATENT ADMINISTRATOR; FOLEY AND LARDNER LLP,SUITE 500; FOLEY AND LARDNER LLP SUITE 500; GOODWIN PROCTER LLP,PATENT ADMINISTRATOR; GOODWIN PROCTER LLP; FOLEY AND LARDNER LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61K31/40 A61K38/00 A61K38/07 A61K38/08 A61K38/11 A61K38/12 A61K38/16 A61K38/22 A61K47/12 A61K47/26 A61K47/36 A61K47/42 A61K8/64 A61K9/00 A61K9/14 A61K9/16 A61K9/19 A61K9/20 A61K9/46 A61K9/48 A61P13/00 A61P13/10 A61P3/10 A61P7/00 A61P7/08 A61P7/12 C07K7/16 (Advanced/Invention); A61K38/16 A61K9/20 C07K7/04 (Advanced/Non–invention); A61K38/00 A61K38/10 A61K38/11 A61K47/00 A61K47/42 A61K9/00 A61K9/20 (Core/Invention); A61K38/16 A61K9/00 A61K9/20 (Core/Non–invention); A61K (Subclass/Non–invention)

International class (IPC 1–7): A61J3/07 A61K38/00 A61K38/08 A61K38/10 A61K38/11 A61K38/16 A61K47/42 A61K47/42 A61K9/00 A61K9/14 A61K9/20 A61P1/12 A61P13/00 A61P13/02 A61P13/10 A61P3/10 A61P7/10 A61P7/12 C07C211/01

CPC: A61K9/2013 A61K9/2018 A61K9/2063 A61K9/2095 A61K38/12 A61K47/42 A61K38/08 A61K47/26 A61K47/12 A61K38/11 A61K9/0056

European class: A61K38/11 A61K9/00M18B K61K9/20H4 K61K9/20H4B K61K9/20H6H K61K9/20P

US class: 1/1 424/435 424/465 424/484 424/484P 514/1.1 514/1.100P 514/10.3 514/10.300S 514/10.9 514/10.900P 514/10.900S 514/11 514/11.6 514/11.600S 514/14.1 514/15 514/15.7 514/16 514/17 514/17.2 514/17.200S 514/17.7 514/18 514/18.5 514/18.500S 514/2 514/21.1 514/21.7 514/21.8 514/21.800S 514/423 514/6.9 514/6.900S 530/315 530/317 530/326 530/328 530/330

Classification Explorer

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US7053083 BB, US7053083 A, US7027478 BB, US7027478 A, US7022699 BB, US7022699 A, US7022340 BB, US7022340 A, US7018653 BB, US7018653 A, US6960184 BB, US6945952 BB, US6945952 A, US6939324 BB, US6939324 A, US6930932 BB, US6903091 BB, US6903091 A, US6893655 BB, US6872405 BB, US6746678 BA, US6746678 A, US6723077 BB, US6720001 BB, US6720001 A, US6709669 BA, US6693082 BB, US6693082 A, US6664249 BA, US6620807 BA, US6616627 BB, US6616627 A, US6564093 BA, US6558695 BB, US6521262 BB, US6511974 BA, US6509040 BA, US6490483 BB, US6423346 BA, US6406455 BA, US6355270 BA, US6348486 BA, US6344451 BA, US6322532 BA, US6314317 BA, US6297234 BA, US6268360 BA, US6264981 BA, US6248636 BA, US6248363 BA, US6248358 BA, US6235900 BA, US6200602 BA, US6194407 BA, US6180608 BA, US6148232 A, US6143722 A, US6139866 A, US6090803 A, US6010478 A, US5990273 A, US5985835 A, US5985385 A, US5948433 A, US5932745 A, US5929027 A, US5922680 A, US5906831 A, US5879326 A, US5849322 A, US5848991 A, US5843477 A, US5843114 A, US5843016 A, US5840899 A, US5780434 A, US5763407 A, US5763405 A, US5763398 A, US5726287 A, US5707648 A, US5698516 A, US5674850 A, US5641516 A, US5631246 A, US5611806 A, US5596078 A, US5595761 A, US5576014 A, US5534496 A, US5527288 A, US5514670 A, US5500413 A, US5498598 A, US5495898 A, US5482931 A, US5466464 A, US5464387 A, US5441490 A, US5350741 A, US5298256 A, US5288497 A, US5135480 A, US5091186 A, US5047398 A, US4878892 A, US4878592 A, US4863737 A, US4783450 A, US4764378 A, US4731360 A, US4623283 A, US4588580 A, US4572832 A, US4557934 A, US4405616 A, US4371516 A, US4371316 A, US4337242 A, US4316893 A, US4285858 A, US4263283 A, US3989816 A, US2010273709 AA, US2010160214 AA, US2010056436 AA, US2009042970 AA, US2009005432 AA, US2008274951 AA, US2008274151 AA, US2007265207 AA, US2007117759 AA, US2007032410 AA, US2007027427 AA, US2006258739 AA, US2006258714 AA, US2006258712 AA, US2006253061 AA, US2006252696 AA, US2006247276 AA, US2006241176 AA, US2006241172 AA, US2006240068 AA, US2006233871 AA, US2006200069 AA, US2006193825 AA, US2006189939 AA, US2006183734 AA, US2006161111 AA, US2006154916 AA, US2006122170 AA, US2006122113 AA, US2006093658 AA, US2006040970 AA, US2006025387 AA, US2005232997 AA, US2005158378 AA, US2005158247 AA, US2005154350 AA, US2005153873 AA, US2005129782 AA, US2005127107 AA, US2005106226 AA, US2005096586 AA, US2005089554 AA, US2005075328 AA, US2005019392 AA, US2005004103 AA, US2004265365 AA, US2004249339 AA, US2004242686 AA, US2004220080 AA, US2004155167 AA, US2004138610 AA, US2004138098 AA, US2004115167 AA, US2004063628 AA, US2004038962 AA, US2004018241 AA, US2003134845 AA, US2003119728 AA, US2003109384 AA, US2003087892 AA, US2003054044 AA, US2003018024 AA, US2002198191 AA, US2002178196 AA, US2002128599 AA, US2002107265 AA, US2002082543 AA, US2002016562 AA, US2002013262 AA, GB2114440 A1, GB2111423 A1, GB1548022, EP1699437 B1, EP1550439 B1, EP1530967 B1, EP1500390 B1, EP1473029 B1, EP1153616 A1, EP0517211 A1, EP0381345 A1, EP0278474,

Forward Citations: WO16081772, WO15193246, WO15063602, WO15013454, WO15013453, WO14079922, WO13037708, WO12001469, WO11120904, WO11120904, WO11120903, WO11058336, WO11008572, WO10147981, WO10084499, WO10075266, WO10059836, WO09143356, WO09027561, WO09021007, WO09015037, WO08107446, WO07098945, WO07098945, WO05089724, WO05063202, WO05063202, WO05063202, WO05046646, WO05046646, US9539302, US9504647, US9375530, US9220747, US9119794, US9096335, US9095516, US8993521, US8946153, US8802624, US8713025, US8694455, US8498915, US8399410, US8143225, US8119161, US7972621, US7947654, US7799761, US7579321, US7560429, US7405203, US7094545, US7022340, US7018653, US2015306170, US2015150938, US2015031614, US2015031613, US2013123180, US2012219628, US2012149643, US2012087944, US2012015880, US2011040631, US2010273709, US2010160214, US2010121307, US2010114793, US2010056436, US2009318665, US2009291880, US2009042970, US2009005432, US2008288394, US2008274951, US2008256069, US2007265207, US2007218131, US2007117759, US2005271719, US2005232997, US2004138098, US2003119728, TWI468944, RU2472539, NL1031397, NL1031397, KR101612073, KR101522747, KR100870679, JP4763617, JP2016196514, JP2016153420, JP2016093515, JP2015120761, JP2014177492, JP2013523628, JP2013245202, JP2012525177, JP2012525175, JP2011520980, JP2011116764, JP2010535589, JP2008501709, JP2004175796, EP3085381, EP3006036, EP2712622, EP2674417, EP2628727, EP2476680, EP2442821, EP2442821, EP2088154, EP1967202, EP1829532, EP1829532, EP1765299, EP1765299, EP1699437, EP1689419, EP1550439, EP1530967, CN104606128, CN102834091, CN102821776, CN102647993, AU2010260211, AU2008283929,

Abstract:
Source: US2004138098A The present invention is directed to a pharmaceutical composition comprising 0.5 ng to 20 mug desmopressin and a pharmaceutically acceptable carrier. The present invention is also directed to a pharmaceutical composition comprising desmopressin and a pharmaceutically acceptable carrier, wherein the pharmaceutical composition is effective to establish a steady plasma/serum desmopressin concentration in the range of from about 0.1 picograms desmopressin per mL plasma/serum to about 10.0 picogram desmopressin per mL plasma/serum. Articles of manufacture and methods of using the above invention are also disclosed.
FDA Data:

Application number	Active ingredient	Proprietary name	Applicant	Date of approval
201656	DESMOPRESSIN ACETATE	NOCTIVA	SERENITY PHARMS LLC	Mar 3, 2017

11) Family number: 3184741 (US4671856A) © PatBase

Title: METHOD FOR RECYCLYING ENERGY IN COUNTERFLOW HEAT EXCHANGE AND DISTILLATION

Priority: EP19820902948 19820902 US19840604023 19840426 US19870038601 19870415 US19880207773 19880728 WO1982US01191 19820902

Family:

Publication number	Publication date	Application number	Application date
AT48696 E	19891215	AT19820902948T	19820902
AU198289556 A1	19840329	AU19820089556	19820902
AU557127 B2	19861204	AU19820089556	19820902
BR8208090 A	19840814	BR19820008090	19820902
DE3280061 D1	19900118	DE19823280061	19820902
DK167294 B1	19931004	DK19840002182	19840502
DK218284 A	19840502	DK19840002182	19840502
DK218284 A0	19840502	DK19840002182	19840502
EP0118428 A1	19840919	EP19820902948	19820902
EP0118428 A4	19850228	EP19820902948	19820902
EP0118428 B1	19891213	EP19820902948	19820902
JP4036721 B4	19920617	JP19820502863T	19820902
JP59501958 T2	19841122	JP19820502863T	19820902
US4671856 A	19870609	US19840604023	19840426
US4769113 A	19880906	US19870038601	19870415
US4869067 A	19890926	US19880207773	19880728
WO8401022 A1	19840315	WO1982US01191	19820902

Probable Assignee: COBALT TECHNOLOGIES INC

Assignee(s):(std): SUPERSTILL CORP ; SUPERSTILL TECHNOLOGY INC

Assignee(s): SUPERSTILL TECHNOLOGY INC 897 BARRON AVE REDWOOD CITY CA 94063 A CA CORP ; SUUPAASUTEIRU TEKUNOROJII INC ; SUPERSTILL TECHNOLOGY INC REDWOOD CITY CALIF US ; BERG SKIP ; CASTAFIORE HOLDING NV ; COBALT TECHNOLOGIES INC ; PAUL MUELLER CO ; RIDGEWOOD WATERPURE CORP

Inventor(s):(std): SEARS STEPHAN B ; SEARS STEPHEN B ; SEARS B

Inventor(s): SEARS B STEPHAN PORTOLA VALLEY CA 94025 US ; SHIAAZU SUTEFUAN BII ; STEPHAN B SEARS ; STEPHEN B SEARS

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD

Designated states: AT AU BE BR CF CG CH CM DE DK FI FR GA GB HU JP KP LI LK LU MC MG MW NL NO RO SE SN SU TD TG US

International class (IPC 8–9): B01D1/22 B01D1/28 B01D3/00 C02F1/04 C02F1/08 F02B1/04 F28D9/00 F28F3/08 (Advanced/Invention); B01D3/00 C02F1/08 F02B1/04 F28D9/00 (Advanced/Non–invention); B01D1/00 B01D1/22 B01D3/00 C02F1/04 C02F1/08 F28D9/00 F28F3/08 (Core/Invention); F02B1/00 (Core/Non–invention)

International class (IPC 1–7): B01D1/28 B01D3/00 B01D3/02 B01D5/00 C02F1/08 F01K13/00 F28D9/00 F28F3/08

CPC: Y10S203/14 Y10S159/31 Y10S203/08 Y10S203/11 B01D1/28 C02F1/043 B01D1/221 B01D1/2887 F02B1/04 F28F3/083 Y02T10/16 Y02W10/37

European class: B01D1/22B B01D1/28 B01D1/28J C02F1/04G F28F3/08B R02B1/04

US class: 159/24.2 159/28.6 159/47.1 159/DIG.31 165/1 165/138 165/167 165/47 202/172 202/177 202/181 202/182 202/187 202/235 203/100 203/11 203/22 203/23 203/26 203/4 203/71 203/DIG.13 203/DIG.8 60/645 60/670

Classification Explorer

Cited documents: US4671856 A, US4545862 A, US4341601 A, US4124069 A, US3977364 A, US3956072 A, US3878054 A, US3757856 A, US3616835 A, US3575814 A, US3489651 A, US3423293 A, US3340186 A, US3251397 A, US3227630 A, US3190817 A, US3155565 A, US3152947 A, US3150028 A, US3032482 A, US2960160 A, US2562739 A, US1302363 A, GB1055437 A,

Forward Citations: WO9408678, WO9300143, WO9007964, WO15014387, WO14004718, WO14004718, WO07118148, WO04078542, WO04070302, US9719711, US9656881, US9285172, US9273890, US9272229, US9194392, US9074173, US8919145, US8756951, US8628604, US8517052, US8511105, US8506762, US8497105, US8460906, US8366883, US8359877, US8354564, US8282790, US8069676, US8006511, US7810349, US7641772, US7597784, US7574853, US7488158, US7465375, US7451807, US7427336, US7368039, US7344576, US7096959, US6908533, US6846387, US6802941, US6689251, US6623603, US6602060, US6592338, US6402897, US6319408, US6261419, US6238524, US5968321, US5597453, US5587053, US5511388, US5381742, US5340443, US5275233, US5232557, US4978429, US4869067, US4863567, US2015041306, US2014305789, US2014284200, US2013118714, US2012324917, US2012324915, US2011129589, US2011048920, US2010330633, US2010294645, US2010276128, US2009185918, US2009081715, US2008105610, US2008105530, US2008041086, US2007238906, US2007084205, US2007017192, US2006283203, US2005279620, US2005238499, US2005229553, US2005194048, US2005173124, US2005121302, US2005016828, US2004222079, US2004099521, US2004074757, US2003132096, US2002092762, KR100813863, JP2014214928, JP2010019547, JP2005521557, ITRM20100516, EP2532401, EP2365851, EP2365851, EP2179774, AU2008241636,

Abstract:
Source: US4671856A This document describes an improved method and apparatus for recycling energy in counterflow heat exchange and distillation. The basis of the invention is transferring heat with thin sheets of material having extensive surface area relative to the flow rate through the system. A distillation apparatus (11 and 12), a counterflow heat exchanger (11), a clothes dryer (Fig. 9), a power generator (Fig. 12), and other embodiments of the invention are described.

12) Family number: 58628776 (US2015059627A) © PatBase

Title: MULTIPLE AGRICULTURAL PRODUCT APPLICATION METHOD AND SYSTEMS

Priority: US20130874113P 20130905 US20140478222 20140905 US20140938010P 20140210 US20140478239 20140905 US20140478249 20140905 US20140478257 20140905 US20140975047P 20140404 US20150679388 20150406 WO2014US54281 20140905 WO2014US54284 20140905 WO2014US54289 20140905 WO2014US54276 20140905 WO2015US24489 20150406 US20170452362 20170307

Family:

Publication number	Publication date	Application number	Application date
AR097577 AA	20160323	AR2014P103336	20140908
AR097578 AA	20160323	AR2014P103337	20140908
AR097579 AA	20160323	AR2014P103338	20140908
AR097822 AA	20160420	AR2014P103335	20140908
AR100493 AA	20161012	AR2015P101026	20150406
CA2944670 AA	20160930	CA20152944670	20150406
EP3041339 A1	20160713	EP20140771463	20140905
EP3041340 A1	20160713	EP20140771464	20140905
EP3041341 A1	20160713	EP20140771465	20140905
EP3041342 A1	20160713	EP20140805395	20140905
EP3125669 A1	20170208	EP20150718052	20150406
US2015059627 AA	20150305	US20140478222	20140905
US2015059628 AA	20150305	US20140478239	20140905
US2015059629 AA	20150305	US20140478249	20140905
US2015059630 AA	20150305	US20140478257	20140905
US2015282422 AA	20151008	US20150679388	20150406
US2017172059 AA	20170622	US20170452362	20170307
US9622402 BB	20170418	US20140478239	20140905
US9629305 BB	20170425	US20140478249	20140905
WO15035153 A1	20150312	WO2014US54276	20140905
WO15035157 A1	20150312	WO2014US54281	20140905
WO15035158 A1	20150312	WO2014US54284	20140905
WO15035161 A1	20150312	WO2014US54289	20140905
WO15154070 A1	20151008	WO2015US24489	20150406

Probable Assignee: KINZE MFG INC

Assignee(s):(std)**:** KINZE MFG INC

Assignee(s): WILHELMI MATTHEW J ; HAHN DUSTAN

Inventor(s):(std)**:** BECKER DERRICK ; HAHN DUSTAN ; KINZENBAW JON ; WILHELMI MATTHEW J ; ROLFFS MERLAN J

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; TOMKINSON ALEXANDRA; MCKEE VOORHEES AND SEASE PLC; MOHRHAUSER LUKE T ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01C19/02 A01C21/00 A01C5/06 A01C7/04 A01C7/10 A01C7/16
A01C7/20 (Advanced/Invention);
A01C7/10 (Advanced/Non–invention)

CPC: A01C7/20 A01C7/044 A01C7/046 A01C7/102 A01C7/16 A01C21/005

US class: 111/185 111/200

Classification Explorer

Cited documents: WO10129762 A1, WO0183161 A1, US9148992 BB, US9010258 BA, US8543238 BB, US8448585 BB, US7174839 BB, US6928940 BB, US6834600 BA, US6672228 BA, US6070539 A, US5431117 A, US5231040 A, US4592484 A, US3999690 A, US3698332 A, US3637108 A, US3489187 A, US2016262302 AA, US201514619758, US2015059629 AA, US201414176198, US201361763687 P, US201313927177, US201313829726, US201213458012, US201213457815, US2008047475 AA, US2005103244 AA, EP2696667 A1, EP1884152 A1, EP0100723 A1,

DE202012101029 U1

Forward Citations: WO17112989, WO17032691, US9723779, US9699956, US9648802, US9648800, US9615504, US9603299, US9603298, US9596803, US9474202, US2016295792, US2016143213, US2016143212, US2016128269, US2016128267, US2016050842, US2015334912, US2015319916, US2015289441, US2015223392, US2015189827, US2015132072, US2015101518, US2015059627,

Abstract:
Source: US2015059627A A method and system for planting one of a plurality of seed types, hybrids and/or varieties is provided. A planter is provided with a plurality of row units. The row units include substantially static metering systems, which can include multiple seed meters at a particular row unit. The metering systems including more than one seed meters are configured such that the seed meters will plant a different seed types or varieties. The operation of one or more of the seed meters at a time will provide for the planting of a particular seed variety. When the invention provides for on−the−go changing of a seed being planted by changing the operation of one or more of the seed meters at each of the row units and provides for almost infinite variation among the row units for planting particular seed varieties or not planting at all.

13) Family number: 59337923 (US2015144650A) © PatBase

Title: SYSTEM, METHOD, AND APPARATUS FOR PURCHASING, DISPENSING, OR SAMPLING OF PRODUCTS

Priority: US20130087881 20131122 US20140269741 20140505 US20140335855 20140718 US20160360503 20161123 US20170480464 20170406

Family:

Publication number	Publication date	Application number	Application date
US2015144650 AA	20150528	US20130087881	20131122
US2015144652 AA	20150528	US20140269741	20140505
US2015144653 AA	20150528	US20140335855	20140718
US2017076266 AA	20170316	US20160360503	20161123
US2017213260 AA	20170727	US20170480464	20170406
US9527716 BB	20161227	US20140269741	20140505
US9633504 BB	20170425	US20130087881	20131122
US9701530 BB	20170711	US20140335855	20140718
WO16011372 A2	20160121	WO2015US40939	20150717
WO16011372 A3	20160310	WO2015US40939	20150717

Probable Assignee: TRANSPARENSEE LLC

Assignee(s):(std)**:** KLINE MICHAEL J ; SALVUCCI DENISE LISA

Assignee(s): TRANSPARENSEE LLC

Inventor(s):(std)**:** KLINE MICHAEL J ; SALVUCCI DENISE LISA

Agent(s): BAKER AND HOSTETLER LLP; ARENA CHRISTOPHER M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B67D1/00 B67D1/08 B67D7/14 G06F17/30 G06Q20/18 G06Q20/32 G06Q30/02 G07F11/62 G07F11/72 G07F13/00 G07F13/06 G07F9/02 (Advanced/Invention)

CPC: B67D1/0878 B67D1/0034 G06Q20/32 G06Q30/0281 G07F13/06 G06Q30/0259 G06Q30/0261 G06Q30/0267 G06Q20/18 B67D1/0888 B67D1/0027 G06Q30/0203 G07F9/023 G07F9/026 G07F13/00 G06Q30/0282 G06F17/30864 G07F11/62 G07F13/065

US class: 222/1 222/135 222/23 222/52

Classification Explorer

Cited documents: WO9845766 A1, US9155330 BA, US8788341 BA, US8744618 BB, US8656690 BB, US8616250 BB, US8601938 BB, US8489450 BB, US8392019 BB, US8364520 BA, US8340815 BB, US7757896 BB, US7493267 BA, US6751525 BA, US6413000 BA, US6161059 A, US4534818 A, US2016379520 AA, US2016260351 AA, US2016148536 AA, US2016012749 AA, US2016005329 AA, US2015290795 AA, US2015239724 AA, US2014356492 AA, US2014307756 AA, US2014257749 AA, US2014255883 AA, US2014246452 AA, US2014212566 AA, US2014135967 AA, US2014130891 AA, US2014040055 AA, US2013304265 AA, US2013282451 AA, US2013282169 AA, US2013248560 AA, US2013245819 AA, US2013240559 AA, US2013226338 AA, US2013220480 AA, US2013103187 AA, US2013096715 AA, US2013079926 AA, US2013079117 AA, US2013037565 AA, US2013035787 AA, US2013027060 AA, US2013002724 AA, US2012325845 AA, US2012325844 AA, US2012150613 AA, US2012055718 AA, US2012053426 AA, US2011282723 AA, US2011168290 AA, US2011121032 AA, US2011049180 AA, US2011038474 AA, US2010286819 AA, US2010280895 AA, US2010200110 AA, US2010169313 AA, US2009222340 AA, US2009222339 AA, US2009222301 AA, US2009222300 AA, US2009177318 AA, US2009138817 AA, US2009070234 AA, US2009069931 AA, US2009065570 AA,

US2009065520 AA, US2008077455 AA, US2007255450 AA, US2007156523 AA, US2007110880 AA, US2007100649 AA, US2007078561 AA, US2007050083 AA, US2007027576 AA, US2006278093 AA, US2006247824 AA, US2006081653 AA, US2006027597 AA, US2005273387 AA, US2005226970 AA, US2005210834 AA, US2005193896 AA, US2005048461 AA, US2004249711 AA, US2004241759 AA, US2004137078 AA, US2004118733 AA, US2004065700 AA, US2004049427 AA, US2003208409 AA, US2003055727 AA, US2002173875 AA,

Forward Citations: USD788225, US2015106196,

Abstract:
Source: US2015144650A Systems, methods, and apparatus for the purchase of and/or free sampling of products. The systems, methods, and/or apparatus may permit push notifications of purchased products and/or free product samples being available and may permit the use of mobile devices and/or mobile device applications to be used to purchase products or dispense free samples of products via a product dispenser or vending machine.

0) US2016066505A – COLLECTING DATA TO GENERATE AN AGRICULTURAL PRE...

14) Family number: 61841576 (US2016066505A) © PatBase

Title: COLLECTING DATA TO GENERATE AN AGRICULTURAL PRESCRIPTION

Priority: US20140046346P 20140905 US20140052034P 20140918 US20150739823 20150615 US20150842016 20150901 US20150810809 20150728 WO2015US48639 20150904

Family:

Publication number	Publication date	Application number	Application date
AU2015311729 AA	20160310	AU20150311729	20150904
CA2959764 AA	20170302	CA20152959764	20150904
EP3189480 A1	20170712	EP20150838946	20150904
US2016066505 AA	20160310	US20150739823	20150615
US2016071223 AA	20160310	US20150842016	20150901
US2016071410 AA	20160310	US20150810809	20150728
WO16037105 A1	20160310	WO2015US48639	20150904

Probable Assignee: CLIMATE CORP

Assignee(s):(std)**:** CLIMATE CORP

Assignee(s): DUMSTORFF PATRICK LEE ; KULL A CORBETT S ; MIKELSON CHRISTOPHER SEARS ; RUPP CRAIG EUGENE

Inventor(s):(std)**:** ATCHISON AUSTIN BROCK ; BAKKE BRAD B ; KULL A CORBETT S ; BLASIAK DAREK ; DUMSTORFF PATRICK LEE ; MIKELSON CHRISTOPHER SEARS ; RUPP CRAIG EUGENE

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; RIDOUT AND MAYBEE LLP; FERRARI BARBARA; MARKISON TIMOTHY W

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A01D41/127 G05B15/02 G06F17/30 G06Q10/04 G06Q10/06 G06Q50/02 G08G1/00 H04W4/00 (Advanced/Invention)

CPC: A01D41/1274 G06F17/30867 G05B15/02 G06Q50/02 G06Q10/063 G06Q10/04 G08G1/00 H04W4/005

US class: 700/275 701/50 705/7.11

Classification Explorer

Cited documents: US9375746 BB, US9265187 BB, US9152938 BB, US9140824 BA, US9076118 BA, US9008839 BA, US8738213 BA, US8443822 BB, US8437879 BB, US8429660 BB, US8032389 BB, US8019633 BB, US7184892 BA, US6999877 BA, US6762857 BA, US6470394 BA, US6347253 BA, US6199000 BA, US2016232621 AA, US2016225263 AA, US2016155339 AA, US2016109569 AA, US2016026940 AA, US2015348419 AA, US2015314889 AA, US2015234767 AA, US2015094916 AA, US2014336818 AA, US2014303814 AA, US2014249893 AA, US2014180741 AA, US2014122147 AA, US2014108080 AA, US2014025228 AA, US2013317872 AA, US2013174040 AA, US2013173321 AA, US2012309455 AA, US2012253744 AA, US2011270724 AA, US2011144823 AA, US2010094481 AA, US2010036696 AA, US2009313215 AA, US2009304940 AA, US2007124000 AA, US2006282467 AA, US2006212875 AA, US2004122561 AA, US2003158887 AA, US2002133505 AA,

Forward Citations: US9667710, US9618614, US2016237650, US2016140367, US2016109569,

Abstract:
Source: US2016066505A A method begins by a drive unit affiliated with farm equipment receiving data from the farm equipment to produce agricultural data. The method continues with the drive unit determining a filtering constraint based on one or more parameters selected from a plurality of lists of agricultural parameters and filtering the agricultural data based on the filtering constraint to produce filtered agricultural data. The method

continues with the drive unit determining processing of the filtered agricultural data and executing the processing of the filtered agricultural data.

15) Family number: 45549302 (US2012040112A) © PatBase

Title: COATING OF HYDROXYLATED SURFACES BY GAS PHASE GRAFTING

Priority: DK20080001816 20081216 EP20090801147 20091216 WO2009DK50339 20091216 WO2009DK50340 20091216

Family:

Publication number	Publication date	Application number	Application date
AU2009328762 AA	20100624	AU20090328762	20091216
AU2009328762 BB	20150723	AU20090328762	20091216
BRPI0922382 A2	20160126	BR2009PI22382	20091216
BRPI0922385 A2	20160126	BR2009PI22385	20091216
CA2746699 AA	20110613	CA20092746699	20091216
CA2746704 AA	20110613	CA20092746704	20091216
CN102317364 A	20120111	CN200980156921	20091216
CN102317364 B	20140723	CN200980156921	20091216
CN102317365 A	20120111	CN200980156922	20091216
CN102317365 B	20140813	CN200980156922	20091216
DK2379635 T3	20161205	DK20090801146T	20091216
DK2379636 T3	20170306	DK20090801147T	20091216
EA021761 B1	20150831	EA20110070825	20091216
EA021761 B9	20151230	EA20110070825	20091216
EA023975 B1	20160831	EA20110070826	20091216
EA201170825 A1	20120228	EA20110070825	20091216
EA201170826 A1	20120228	EA20110070826	20091216
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IN04878CN2011 A	20121116	IN2011CN04878	20110707
IN04879CN2011 A	20121116	IN2011CN04879	20110707
JP2012512014 T2	20120531	JP20110541091T	20091216
JP5597204 B2	20141001	JP20110541091T	20091216
NZ593559 A	20130531	NZ20090593559	20091216
US2012040112 AA	20120216	US20090140195	20091216
US2012135170 AA	20120531	US20090140186	20091216
US8796362 BB	20140805	US20090140186	20091216
US9428635 BB	20160830	US20090140195	20091216
WO10069329 A1	20100624	WO2009DK50339	20091216
WO10069330 A2	20100624	WO2009DK50340	20091216
WO10069330 A3	20100805	WO2009DK50340	20091216
ZA201104608 A	20120829	ZA20110004608	20110622
ZA201104609 A	20120926	ZA20110004609	20110622

Probable Assignee: CARLSBERG AS

Assignee(s):(std): CARLSBERG AS ; MANAT RENIL ; MELDAL MORTEN ; RENIL MANAT ; VESBORG STEEN ; MELDEL MORTEN

Assignee(s): CARLSBERG A S

Inventor(s):(std):

MANAT RENIL ; MELDAL MORTEN ; MELDEL MORTEN ; MORTEN MELDAL ; RENIL MANAT ; STEEN VESBORG ; VESBORG STEEN ; MELDAL MORTEL

Inventor(s): MORTEL MELDAL

Agent(s): FB RICE; FB RICE PTY LTD; NORTON ROSE OR SENCRL SRL LLP; BCF LLP; HOEIBERG A S; PONS ANGEL; MERCHANT AND GOULD PC; MCNEILL BAUR PLLC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B05D7/24 B29C35/08 B32B1/02 C08B3/00 C08B3/08 C08B3/20 C08F220/26 C08F251/02 C08J7/16 C08L1/02 C08L1/10 C08L1/12 C23C26/00 D06M13/00 D06M13/203 D06M14/04 (Advanced/Invention);
C08B3/00 C08J7/00 C08L1/00 D06M13/00 (Core/Invention);
C08B C08J C08L D06M (Subclass/Invention)

CPC: C08L1/10 C08B3/08 C08F251/02 D06M13/203 Y02P20/582 Y10T428/13 Y10T428/1352

European class: C08B3/08 C08F251/02 C08L1/10 D06M13/203

US class: 1/1 118/723.00RS 118/723R 264/496 264/496S 427/255.4 427/255.400S 428/34.1 428/34.100P 428/35.7 428/35.700P 524/31 524/35 526/238.21 526/238.210S 536/59 536/59S 536/63 536/63S

Classification Explorer

Cited documents: WO9851694 A2, WO9106601 A1, WO10069329 A1, WO08107196 A2, WO0123471 A1, US8221584 BB, US8080135 BB, US6991189 BB, US6726133 BB, US6405948 BA, US6342268 BA, US6335060 BA, US6227473 BA, US6135370 A, US5876753 A, US5525721 A, US5368689 A, US5227529 A, US5157093 A, US5135965 A, US4925698 A, US4904432 A, US4663388 A, US4656202 A, US4188480 A, US4107426 A, US4101473 A, US3880830 A, US3318826 A, US3157527 A, US2824778 A, US2789030 A, US2379890 A, US2336985 A, US2012152473 AA, US2012135170 AA, US2008153375 AA, US2007014857 AA, US2006035341 AA, US2004075186 AA, JP2006137462 A2, JP2005001911 A2, JP2001515103 T2, GB1182337 A, GB1128696 A, EP2378636 A2, EP1967644 A1, EP0138224 A2, DE4431350 A1, DE19532489 A1,

DE102005041330 A1

CN1221359,

Forward Citations: WO17089467, WO13081138, WO13022345, US9688788, US9624312, US9546236, US9428635, US2017145118, US2015274848, US2015054142, NL2007240, JP2013081138, CN103835133, CN103835133, CN103159552, CN103159552, AU2014321278,

Abstract:
Source: US2012040112A A method of coating hydroxylated surfaces by gas phase grafting is described. Especially acyl groups, silyl groups and/or alkyl groups are located on the surface of materials by gas phase grafting. The grafting method is a dry process. The material to coat can be organic or inorganic materials. The produced surface coated material are strong and durable and material normally not water−proof can be water−proof due to the surface treating. Examples of items produced from surface treated material may be water−proof cardboard boxes, other containers, furniture, interior for cars and boats. Items produced from organic materials such as from plant parts are biodegradable.

0) US2016369482A – WATER COLLECTION APPARATUS

16) Family number: 62743487 (US2016369482A) © PatBase

Title: WATER COLLECTION APPARATUS

Priority: US20150741364 20150616 US20150793458 20150707

Family:

Publication number	Publication date	Application number	Application date
US2016369482 AA	20161222	US20150741364	20150616
US9376788 BA	20160628	US20150793458	20150707
US9663924 BB	20170530	US20150741364	20150616
WO16205325 A1	20161222	WO2016US37565	20160615

Probable Assignee: TURNER JAMES H

Assignee(s):(std)**:** TURNER JAMES H

Inventor(s):(std)**:** TURNER JAMES H

Agent(s): JOCABSEN IP LAW; KRISTA S; JACOBSEN IP LAW; JACOBSEN KRISTA S

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47K3/28 E03B1/04 (Advanced/Invention)

CPC: E03B1/042 A47K3/281 E03B2001/045

US class: 1/1 4/597

Classification Explorer

Cited documents: WO9954559 A1, WO12001683 A2, WO10109156 A2, WO08144806 A1, WO08134839 A2, US9000000 BB, US7854852 BA, US7490373 BA, US7328466 BA, US7047577 BA, US6887375 BB, US6591432 BA, US6581218 BA, US6328882 BA, US6178571 BA, US6178571 B1, US6132138 A, US6082799 A, US5980756 A, US5862544 A, US5790992 A, US5465434 A, US5446930 A, US5353448 A, US5341529 A, US5274861 A, US5265287 A, US5217323 A, US5210886 A, US5192426 A, US5168586 A, US5165456 A, US5140714 A, US4975992 A, US4893364 A, US4357719 A, US4224700 A, US4202061 A, US4115879 A, US3639919 A, US3380081 A, US3080568 A, US3035275 A, US2013212800 AA, US2013025686 AA, US2012167298 AA, US2011088162 AA, US2010193049 AA, US2010051107 AA, US2010043129 AA, US2009212051 AA, US2009173388 AA, US2009165875 AA, US2008083064 AA, US2007199875 AA, US2007130684 AA, US2005098638 AA, US2004168992 AA, US2003121096 AA,

Abstract:
Source: US2016369482A Disclosed herein are apparatuses for collecting water in a shower or bathtub enclosure. The apparatus comprises a water–resistant or waterproof panel, one or more connectors coupled or coupleable to the panel, the one or more connectors enabling the panel to be disposed within the shower or bathtub enclosure, and a receptacle coupled or coupleable to the panel, the receptacle having an opening for collecting water from a surface of the panel, the receptacle for delivering the collected water to a destination other than a drain of the shower or bathtub enclosure. The destination may be a container, a bucket, a toilet, a tank, a planter box, a plant pot, or an outdoor location such as a garden or lawn. The collected water may flow directly to the destination, or the apparatus may use a channel to deliver the collected water to the destination.

- **search:** SS7 FT=(water W1 (cooler or dispenser) and (storage or furniture or cabinet) and planter) (Results 11)
- List: SS7 1–50 (FT=(water W1 (cooler or dispenser) and (storage or furniture or cabinet) and planter)) (Results 11)

0) US2005006289A – APPARATUS FOR OFFERING AND DISPENSING MINERAL W...

1) Family number: 28669920 (US2005006289A) © PatBase

Title: APPARATUS FOR OFFERING AND DISPENSING MINERAL WATER SUITABLE FOR CONSUMPTION

Priority: NL20011019544 20011212 US20040867097 20040614 WO2002NL00824 20021212

Family:

Publication number	Publication date	Application number	Application date
AT319659 E	20060315	AT20020786243T	20021212
AU2002351452 AA	20030623	AU20020351452	20021212
AU2002351452 BB	20071025	AU20020351452	20021212
DE60209782 D1	20060504	DE20026009782	20021212
DE60209782 T2	20070329	DE20026009782T	20021212
DK1453761 T3	20060703	DK20020786243T	20021212
EP1453761 A1	20040908	EP20020786243	20021212
EP1453761 B1	20060308	EP20020786243	20021212
ES2259726 T3	20061016	ES20020786243T	20021212
JP2005511291 T2	20050428	JP20030551073T	20021212
JP4469177 B2	20100526	JP20030551073T	20021212
NL1019544 C2	20030613	NL20011019544	20011212
US2005006289 AA	20050113	US20040867097	20040614
US7318893 BB	20080115	US20040867097	20040614
WO03050045 A1	20030619	WO2002NL00824	20021212

Probable Assignee: SARA LEE DE NV

Assignee(s):(std)**:** KROON ARIE ; LEE DE NV SARA ; LEE DE SARA NV ; BIESHEUVEL AREND CORNELIS JACO ; VAN EIJNATTEN ERIC MICHAEL COR ; SARA LEE DE N V ; SARA LEE DE NV

Assignee(s): SARA LEE DE N V UTRECHT ; VAN EIJNATTEN ERIC MICHAEL CORNELIS MARIA ; BIESHEUVEL AREND CORNELIS JACOBUS ; SARA LEE AND DE NV

Inventor(s):(std)**:** EIJNATTEN ERIC MICHAEL CORNELI ; ERIC MICHAEL CORNELIS MARIA VAN EIJNATTEN ; VAN EIJNATTEN MICHAEL ; VAN EIJNATTEN ERIC MICHAEL COR ; KROON ARIE ; EIJNATTEN ERIC MICHAEL CORNELIS ; BIESHEUVEL CORNELIS ; AREND CORNELIS JACOBUS BIESHEUVEL ; ARIE KROON ; BIESHEUVEL AREND CORNELIS JACO

Inventor(s): BIESHEUVEL AREND ; BIESHEUVEL AREND CORNELIS JACOBUS ; VAN EIJNATTEN ERIC MICHAEL CORNELIS MARIA ; VAN EIJNATTEN ERIC MICHAEL CORNELIS

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; MOTOMIYA TERUHISA; UBUKATA KAZUO; KATO NOBUAKI; TAKAHASHI SEIICHIRO; OCHI TAKAO; USUI SHINICHI; MATSUI TAKAO; OKABE MASAO; YOSHIZAWA HIROSHI; ALTERA LAW GROUP LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B67D1/00 B67D1/08 B67D1/16 C02F1/28 C02F1/44 C02F1/68 C02F3/12 (Advanced/Invention); C02F1/44 (Advanced/Non–invention); B67D1/00 C02F1/28 C02F1/44 C02F1/68 (Core/Invention); C02F1/44 (Core/Non–invention)

International class (IPC 1–7): A47J31/60 B67D5/62 C02F1/28 C02F1/44 C02F1/68 C02F9/00

CPC: B67D1/0009 B67D1/0857 B67D1/0871 B67D1/16 B67D2210/0001 B67D2210/00018 B67D2210/00104 B67D2210/00154 C02F1/44 C02F1/68 C02F2209/005 C02F2209/05

European class:

B67D1/00E4 B67D1/08D B67D1/08E B67D1/16 C02F1/68 L67D210/00B2D L67D210/00B4D L67D210/00D12D L67D210/00F2B2 M02F1/44 M02F209/00T M02F209/05

US class: 210/194

Classification Explorer

Cited documents: WO9961366 A1, WO9942002 A1, WO9933363 A1, WO9848648 A1, WO9839085 A1, WO9629890 A1, WO9528854 A1, WO9412189 A1, WO9406547 A1, WO9204969 A1, WO9112734 A1, WO9005348 A1, WO03029150 A1, WO0122838 A1, WO0047064 A1, WO0012200 A1, US6684648 BB, US6569329 BA, US6099799 A, US5782380 A, US5776339 A, US5597487 A, US5575405 A, US5569389 A, US5494573 A, US5443739 A, US5441179 A, US5429753 A, US5427682 A, US5261792 A, US5227053 A, US5203803 A, US5091081 A, US5004535 A, US4969991 A, US4962866 A, US4944217 A, US4915261 A, US4909931 A, US4810388 A, US4808346 A, US4801375 A, US4784771 A, US4773993 A, US4757921 A, US4597509 A, US4544084 A, US4528093 A, US4325975 A, US4160727 A, US3856676 A, US3654148 A, US3383310 A, US3225965 A, US2297599 A, RU2192765 C2, NL7901469 A, KR2002024125, KR20020024125 A, KR20020003719 A, JP8077454 A2, JP7251185, JP63294393, JP343398, JP3224690 A2, JP3043398, JP2003030740 A2, JP2002292371 A2, JP2002282870 A2, JP1258793 A2, JP11283120 A2, HU188438 B, HU188438, GB2148117 A1, GB2069458 A1, GB202839 A, GB2015863 A1, EP1161886 A1, EP1129986 A1, EP0947518 A1, EP0928565 A1, EP0651358 A1, EP0634109 A2, EP0576752 A1, EP0492370 A1, EP0255766 A1, EP0246177 A2, EP0138060 A2, EP0115216 A2, DE9316610 U, DE9316610, DE3937510 A1, DE2032863 A1, DE19942431 A1, DE19839209 A1, DE19829984 A1, DE19825559 A1, DE19628575 A1,

Forward Citations: WO08139296, WO05047170, WO04104527, WO04103097, WO04103097, US8478540, US7861896, US2014076824, US2012282678, US2007170212, US2007145523, NL1024787, NL1023521, EP2354094, EP1857415, AU2004289577,

Abstract:
Source: US2005006289A An apparatus for presenting and dispensing mineral water suitable for consumption, characterized in that the apparatus is arranged to generate the mineral water from mains water and is provided with a mains water inlet, water processing means for obtaining the mineral water from the mains water, at least an outlet for dispensing the mineral water and a first fluid connection between the inlet and the water processing means for supplying the mains water to be processed to the water processing means, the water processing means being provided with a first storage vessel which, in use, is filled with the mineral water, at least a second storage vessel which, in use, is filled with minerals, at least a dosing unit for dispensing, in a dosed manner, minerals from the second storage vessel to the first storage vessel, at least a cooling unit for cooling the first storage vessel, at least a third storage vessel which, in use, is also filled with the mineral water, a second fluid connection between the first storage vessel and the third storage vessel for conveying mineral water from the first storage vessel to the third storage vessel and at least a first recirculation system for discharging mineral water from the third storage vessel and for then supplying the discharged mineral water to the third storage vessel again, the outlet being arranged to dispense the mineral water from the third storage vessel and/or the first storage vessel.

0) US2002088175A – RETROFITTING AERATING ROOT PRUNER

2) Family number: 30116341 (US2002088175A) © PatBase

Title: RETROFITTING AERATING ROOT PRUNER

Priority: CA19962257539 19960607 US19950479712 19950607 US19950488289 19950607 US19950488292 19950607 WO1996US10493 19960607 US19960767837 19961217 US19970974432 19971119 US20010824986 20010402 US19990347506 19990702

Family:

Publication number	Publication date	Application number	Application date
AU199664776 A1	19961230	AU19960064776	19960607
AU713138 B2	19991125	AU19960064776	19960607
CA2257539 AA	19981207	CA19962257539	19960607
EP1006775 A2	20000614	EP19960924278	19960607
EP1006775 A4	20000614	EP19960924278	19960607
US2002088175 AA	20020711	US20010824986	20010402
US5678600 A	19971021	US19950479712	19950607
US5743290 A	19980428	US19960767837	19961217
US5782035 A	19980721	US19950488292	19950607
US5842498 A	19981201	US19970974432	19971119
US5918415 A	19990706	US19950488289	19950607
US6612069 BB	20030902	US20010824986	20010402
US6729070 BA	20040504	US19990347506	19990702
WO9639801 A2	19961219	WO1996US10493	19960607
WO9639801 A3	19970206	WO1996US10493	19960607

Probable Assignee: LAZZZY WAY

Assignee(s):(std)**:** DUNBAR DANIEL P ; LAZZZY WAY ; LOCKE RANDAL D ; LOCKE TERESA M

Assignee(s): LOCKE TERESA MARIE ; LOCKE RANDAL D A ; LAZZZY WAY PATENT HOLDING AND MANAGEMENT CO ; DUNBAR DANIEL PAUL

Inventor(s):(std)**:** DANIEL P DUNBAR ; DUNBAR DANIEL P ; DUNBAR DANIEL PAUL ; LOCKE RANDAL D ; LOCKE RANDAL D A ; LOCKE TERESA M ; LOCKE TERESA MARIE ; RANDAL D LOCKE ; TERESA M LOCKE

Agent(s): PHILLIPS ORMONDE FITZPATRICK; JOHNSON ERNEST PETER

Designated states: AL AM AT AU AZ BB BE BF BG BJ BR BY CA CF CG CH CI CN CZ DE DK EE ES FI FR GB GE GR HU IE IL IS IT JP KE KG KP KR KZ LI LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG US UZ VN

International class (IPC 8–9): A01G25/00 A01G27/00 A01G31/02 A01G9/02 A01G9/10 E03D1/32 F16K21/18 F16K31/34 (Advanced/Invention); A01G27/00 A01G9/10 E03D1/30 F16K21/00 (Core/Invention)

International class (IPC 1–7): A01G23/00 A01G25/00 A01G27/00 A01G31/02 A01G9/02 A01K39/00 A01K7/00 F16K24/00 F16K31/128 F16K31/34 F16K31/385 F16K33/00

CPC: Y10T137/7339 Y10T137/7374 Y10T137/7413 Y10T137/7498 Y10T137/86324 E03D1/32 Y10T137/60 A01G27/00 F16K21/18 A01G9/00 A01G3/00

European class: A01G27/00 A01G9/10 E03D1/32 F16K21/18

US class: 119/74 137/315 137/315.07 137/403 137/414 137/426 137/453 137/587 47/1.01R 47/79 47/790 47/79P 47/81 47/85

Classification Explorer

Cited documents: US5918415 A, US5782035 A, US5761848 A, US5692338 A, US5678600 A, US5598865 A, US5557886 A, US5458087 A, US5412907 A, US5377621 A, US5358003 A, US5341596 A, US5301465 A, US5287882 A, US5255703 A, US5241784 A, US5222326 A, US5211204 A, US5069243 A, US5035257 A, US5020275 A, US5020261 A, US4945944 A, US4937972 A, US4887635 A, US4829709 A, US4790349 A, US4765363

A, US4753037 A, US4735230 A, US4716680 A, US4682550 A, US4574826 A, US4574522 A, US4562859 A, US4557071 A, US4546571 A, US4527354 A, US4510712 A, US4497132 A, US4442628 A, US4369598 A, US4356665 A, US4344251 A, US4329815 A, US4324070 A, US4299054 A, US4292996 A, US4286619 A, US4240606 A, US4198784 A, US4183175 A, US4182364 A, US4180096 A, US4175356 A, US4159102 A, US4148155 A, US4100928 A, US4100699 A, US4094327 A, US4083147 A, US4065095 A, US4052818 A, US3962822 A, US3903644 A, US3895645 A, US3871131 A, US3797518 A, US3783555 A, US3775904 A, US3759228 A, US3758987 A, US3733746 A, US3610478 A, US3596809 A, US3455055 A, US2827073 A, US2442927 A, NO109632 A, GB2194653 A1, GB2095083 A1, GB1373343 A, CH673076 A3, CH673076,

Forward Citations: WO12013935, WO09076505, WO05053378, WO0018216, USRE45837, USD790777, USD789621, USD788380, USD744172, USD743636, USD729989, USD720833, USD704383, USD678462, USD638588, USD623805, USD611662, USD561305, US9578818, US9521811, US9345460, US8992567, US8961541, US8925247, US8893432, US8857481, US8733291, US8651056, US8528252, US8528251, US8518063, US8499493, US8365320, US8281946, US8210447, US8091279, US8051603, US7988127, US7913451, US7856755, US7748347, US7743696, US7730666, US7659493, US7647938, US7634872, US7607260, US7516753, US7449332, US7448347, US7423243, US7293577, US7093391, US7089881, US7082717, US6955008, US6886589, US6814266, US6792891, US6782844, US6729070, US6684813, US6675533, US6640747, US6536160, US6484666, US6321487, US6237283, US6226921, US6223466, US6102067, US6079951, US6038814, US5983564, US5937574, US2017099791, US2016050857, US2015373935, US2015373933, US2015040471, US2014325905, US2014237897, US2014123557, US2013212942, US2013067811, US2013047507, US2012266535, US2012255226, US2012199245, US2012145843, US2012074178, US2011126777, US2011083761, US2010229464, US2010192463, US2010170448, US2010071255, US2010031568, US2009277085, US2009241848, US2009199472, US2009133636, US2009068729, US2009031629, US2008313960, US2008173245, US2008157016, US2008110089, US2008104749, US2008083163, US2008035068, US2007221133, US2007204857, US2007094928, US2007089366, US2007028846, US2006277825, US2006207661, US2006150505, US2006150497, US2006124878, US2005166853, US2005120626, US2005050798, US2004219665, US2004144026, US2004103851, US2004035466, US2002195470, US2002174599, EP1653016, CN102357010,

Abstract:
Source: US2002088175A Disclosed is a retrofittable aerating root pruner (RARP) adapted to be detachably mounted on the inner face of the side wall of a plant container having drain ports at the bottom of the side wall thereof, which is an elongate rectangular flat or hemi−cylindrical sheet member with wings along both its long sides which fit snugly against the inner face of the side wall of the plant container when the RARP to form a conduit extending to the bottom of the plant container. The RARP is mounted at its upper end to the upper edge of the plant container and at its bottom end by an extension which projects through a drain port and mounts on the outer surface of the bottom of the plant container. The upper portion of the sheet member is solid to restrict the amount of water which can flow directly into the conduit and exit out the drain port and the remainder contains a plurality of apertures so that the conduit provides ambient air access to the planting medium along the length of the and thereby promotes enhanced aeration of and uniform distribution of water in the planting and creates an air root pruning effect on the roots of a plant growing in the plant container. An apertured cutter plate which fits in the RARP can be used to mechanically sever plant roots which penetrate the RARP.

0) US2011074596A – METHODS AND ARRANGEMENTS FOR SMART SENSORS

3) Family number: 48532971 (US2011074596A) © PatBase

Title: METHODS AND ARRANGEMENTS FOR SMART SENSORS

Priority: JP20120527914T 20100825 JP20160110240 20160601 US20090567705 20090925 US20130145748 20131231 US20130145760 20131231 US20130145773 20131231 WO2010US46639 20100825 US20130925491 20130624

Family:

Publication number	Publication date	Application number	Application date
CN102034342 A	20110427	CN201010294311	20100921
CN102034342 B	20130724	CN201010294311	20100921
CN103473904 A	20131225	CN201310317050	20100921
EP2481225 A2	20120801	EP20100819212	20100825
EP2481225 A4	20151202	EP20100819212	20100825
JP2013503590 T2	20130131	JP20120527914T	20100825
JP2016189200 A2	20161104	JP20160110240	20160601
US2011074596 AA	20110331	US20090567705	20090925
US2013281138 AA	20131024	US20130925491	20130624
US2014152434 AA	20140605	US20130145748	20131231
US2014159891 AA	20140612	US20130145760	20131231
US2014162707 AA	20140612	US20130145773	20131231
US8471707 BB	20130625	US20090567705	20090925
US8957776 BB	20150217	US20130925491	20130624
US9251684 BB	20160202	US20130145760	20131231
US9418529 BB	20160816	US20130145773	20131231
US9648476 BB	20170509	US20130145748	20131231
WO11037715 A2	20110331	WO2010US46639	20100825
WO11037715 A3	20110623	WO2010US46639	20100825

Probable Assignee: INTEL CORP

Assignee(s):(std)**:** ANGELL WILLIAM D ; CHEN XIAOFAN ; EERPINA SRINIVAS ; FROHLICK ERIC ; GUARIN RONALDO J ; INTEL CORP ; XIAOFAN CHEN

Inventor(s):(std)**:** ANGELL WILLIAM D ; CHEN XIAOFAN ; EERPINA SRINIVAS ; ERIC FROHLICK ; FROHLICK ERIC ; GUARIN RONALDO J ; RONALD J GUARIN ; SRINIVAS EERPINA ; WILLIAM D ANGELL ; XIAOFAN CHEN

Agent(s): JENNINGS VINCENT LOUIS; OHNUKI SHINSUKE; ITOH TADAHIKO; ITOH TADASHIGE; SCHUBERT LAW GROUP PLLC; SCHWABE WILLIAMSON AND WYATT PC; SCHUBERT JEFFREY S ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** G01D21/00 G06F15/16 G08B1/08 G08B13/00 G08B13/04 G08B13/08 G08B13/14 G08B19/00 G08B25/04 G08B25/10 G08B5/00 G08C15/00 G08C17/02 H04L12/58 H04M1/00 H04M11/00 H04M11/04 H04Q9/00 H04W4/12 H04W4/22 H04W84/18 (Advanced/Invention)

CPC: H04W4/12 G01D21/00 H04Q9/00 H04Q2209/43 H04Q2209/823 H04L51/02 H04W4/22 G08B19/00

European class: G01D21/00 H04Q9/00

US class: 1/1 340/506 340/517 340/539.1 340/539.11 340/540 340/572.1 340/572.4 340/691.1 340/691.100P 455/466 455/466S 709/206 709/206S

Cited documents: WO11037715 A2, WO07035219 A1, WO04090679 A3, WO04090679 A2, US8952894 BB, US8674842 BB, US8626739 BB, US8489132 BB, US8396446 BB, US8385971 BB, US8321526 BB, US8239277 BB, US8099902 BB, US7942314 BA, US7827009 BB, US7724131 BB, US7581166 BB, US7456733 BB, US7342489 BA, US7340379 BB, US7242295 BA, US7148796 BB, US7026926 BA, US6904391 BB, US6115393 A, US6035282 A, US2014031082 AA, US2013049987 AA, US2012330678 AA, US2011014933 AA, US2010205061 AA, US2010157061 AA, US2010033331 AA, US2009278799 AA, US2009276503 AA, US2009274104 AA, US2009222748 AA, US2009195379 AA, US2008147358 AA, US2008077436 AA, US2008070546 AA, US2008034056 AA, US2007222585 AA, US2007139183 AA, US2007086578 AA, US2007085678 AA, US2006187032 AA, US2006155851 AA, US2005288045 AA, US2005257006 AA, US2005183143 AA, US2005035854 AA, US2004263351 AA, US2002080938 AA, TW200947364 A, JP8273085 A2, JP5327919 A2, JP2009176272 A2, JP2009146225 A2, JP2009027523 A2, JP2003023678 A2, JP2002236988 A2, JP2002230654 A2, JP2001126173 A2, EP1616237 A4, EP1616237 A2, CN1949814 A, CN101341521 A, CN101292273 A,

Forward Citations: WO16165026, WO14206995, WO13086685, US9693386, US9671468, US9648476, US9418529, US9325792, US9271454, US9262294, US9251684, US9104344, US9077183, US8957776, US8751592, US8471707, US8395524, US2017134891, US2016080553, US2015379848, US2015067119, US2015066164, US2013170417, US2013111012, US2012239743, US2010117848, KR101470963, KR101315669, KR101216699, CN103167350,

Abstract:
Source: US2011074596A Generally, smart sensors, logic to process messages from smart sensors, and smart sensor systems are described herein. Embodiments may comprise logic such as hardware and/or code to communicate events as messages via a messaging system to post the messages to a messaging account. The messaging system may be a texting service like Twitter™ that captures the messages and then re−broadcasts the messages, e.g., immediately as a tweet or a cellular text message. In some embodiments, the smart sensor comprises a communications module with a Twitter™ application program interface (API) on a communications platform with a software/hardware framework to interconnect with one or more pluggable monitors with sensors. In other embodiments, the communications module may be integrated with one or more monitors. Further embodiments comprise a smart−device, which can provide status updates and event notifications to a user.

0) WO11049537A2 – CEPMATIK CEPMATIK

4) Family number: 48789038 (WO11049537A2) © PatBase

Title: CEPMATIK

Priority: TR20090007930 20091021

Family:

Publication number	Publication date	Application number	Application date
TR200907930 A2	20110121	TR20090007930	20091021
WO11049537 A2	20110428	WO2010TR00206	20101021
WO11049537 A3	20110630	WO2010TR00206	20101021

Probable Assignee: SECKIN ALI

Assignee(s):(std)**:** ALI SECKIN ; SECKIN ALI

Assignee(s): AL SECK N

Inventor(s):(std)**:** ALI SECKIN ; SECKIN ALI

Inventor(s): AL SECK N

Agent(s): MURAT YE ILYURT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): G06K5/00 G08B21/22 (Advanced/Invention)

CPC: G08B21/22

European class: G08B21/22

Classification Explorer

Cited documents: US7385515 BA, US2005184870 AA, JP2006300734 A2, JP2005086405 A2,

Abstract:
The invention is a communication tool having more than one function. It provides advantages in terms of users to have information about other users to the extent that the user let them or in terms of the capability of following information and documents which have to be under the government's control.

0) US5553751A – WATER DISPENSER

5) Family number: 12760543 (US5553751A) © PatBase

Title: Water dispenser

Priority: US19940289416 19940812

Family:

Publication number	Publication date	Application number	Application date
US5553751 A	19960910	US19940289416	19940812

Probable Assignee: MOUNTAINSIDE SPRINGS CORP

Assignee(s):(std)**:** MOUNTAINSIDE SPRINGS CORP

Inventor(s):(std)**:** MOWERS DOUG

International class (IPC 8–9)**:** B67D3/00 (Advanced/Invention); B67D3/00 (Core/Invention)

International class (IPC 1–7)**:** B67D5/06

CPC: B67D3/00

European class: B67D3/00

US class: 222/183 222/185.1

Classification Explorer

Cited documents: US752546 A, US5356046 A, US5184476 A, US4834267 A, US4779426 A, US4557399 A, US4293082 A, US3824801 A, US3363432 A, US3269143 A, US3179292 A, US2490379 A,

Forward Citations: USD677102, USD668903, USD646104, USD640891, USD533388, USD482227, USD419605, US8882064, US7490739, US7328818, US6915924, US6012790, US2015168011, US2008110931, US2006054768, US2005269361, US2005247076, DE202005002689,

Abstract:
Source: US5553751A A water dispenser is disclosed which includes a base having an upper surface, a lower surface, an outer surface, and an inner surface. The base includes a surface molding disposed on the upper surface and a well disposed inside said base for holding fluid. A plurality of dispensers are on the base for dispensing fluid from the well. A cap having a skirt on a lower periphery is placed on the base. The surface molding and skirt provide protection for a wood veneer finish on the water dispenser.

0) WO07081519A2 – GENIUS ADAPTIVE DESIGN MODELE D'ADAPTATION AU ...

6) Family number: 34894143 (WO07081519A2) © PatBase

Title: GENIUS ADAPTIVE DESIGN

Priority: AU20060335151 20061219 AU20130200386 20130125 US20050755291P 20051230 US20060756607P 20060105 US20060778313P 20060301 US20060783018P 20060315 WO2006US48704 20061219 US20060786906P 20060328 US20060852794P 20061018

Family:

Publication number	Publication date	Application number	Application date
AP200804559 A0	20080831	AP20080004559	20061219
AU2006335151 AA	20070719	AU20060335151	20061219
AU2013200386 AA	20130221	AU20130200386	20130125
CA2635954 AA	20080630	CA20062635954	20061219
CO6160255 A2	20100520	CO20080079355	20080731
EP2059899 A2	20090520	EP20060849217	20061219
EP2059899 A4	20120704	EP20060849217	20061219
IL192465 A0	20090922	IL20060192465	20061219
IN06638DN2008 A	20100507	IN2008DN06638	20080730
JP2009522654 T2	20090611	JP20080548620T	20061219
KR20080112193 A	20081224	KR20087018774	20061219
KR20130124572 A	20131114	KR20137024611	20061219
MX2008008625 A1	20090107	MX20080008625	20061219
NZ570109 A	20110826	NZ20060570109	20061219
WO07081519 A2	20070719	WO2006US48704	20061219
WO07081519 C1	20080612	WO2006US48704	20061219

Probable Assignee: INNOVATION INST LLC

Assignee(s):(std)**:** CABINALLA LINDA ; INNOVATION INST LLC ; KAYS STEVEN ; WORLD CHARITY DIVISION LICENSE ; STEVEN KAYS

Assignee(s): WORLD CHARITY DIVISION LICENSELTTODAY COM LLC ; INNOVATION INSTITUTE LLC

Inventor(s):(std)**:** CABINALLA LINDA ; KAYS STEVEN

Inventor(s): STEVEN KAYS

Agent(s): SHELSTON IP; KAYS STEVEN; INNOVATION INSTITUTEION LLC; BORDEN LADNER GERVAIS LLP; MAURICIO JARAMILLO CAMPUZANO; BEETZ AND PARTNER

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): E06B7/32 G06F17/00 G06F17/30 G06Q G06Q10/00 G06Q30/00 G06Q50/00 (Advanced/Invention)

International class (IPC 1–7): G06Q30/00

CPC: G06Q10/10 G06F17/30 G06Q30/0601 G06F17/00

European class: G06Q10/10

Classification Explorer

Forward Citations: WO13144220, WO10091514, US9077848, US9067140, US9051886, US8976218, US8918083, US8878043, US8771064, US8666891, US8594721, US8332918, US8332395, US8244558, US8224375, US8219424, US7917417, US2009187429,

Abstract:
Explore interesting inventions inside, conceived by our genius idea generator. Discover history's most effective method in conceiving novel uses for existing electronic technology. License huge domains of intellectual property from the invention directory our system helped develop. The searcher can find one of our interesting inventions in this patent application via our LicenseItToday.com, etc. Call our California Headquarters 1−707−428−5000. View invention ideas, plus 100+ variations adapted for end user target markets. LicenseItToday.com fills out exclusive international license agreements valid up to December 2026. It saves time and money creative LP. over any other documented creative thinking process. Licensees seek outputted patents using our or their pat attorneys. Royalties can start when profits begin. Or you can buy the affordable I.P. rights. Proof is in tryingit out. Discover amazing inventions inside today.

0) US6236777B – RELIABILITY OF AN OPTICAL COMMUNICATION SYSTEM ...

7) Family number: 15419437 (US6236777B) © PatBase

Title: Reliability of an optical communication system and of an optical amplifying system, and a method suitable to this aim

Priority: CA19982237504 19980512 EP19970201441 19970513 US19980075868 19980512 US19970046591P 19970515 EP19980201477 19980506

Family:

Publication number	Publication date	Application number	Application date
AR012687 AA	20001108	AR1998P102202	19980512
AU199864776 A1	19981119	AU19980064776	19980507
AU752286 B2	20020912	AU19980064776	19980507
BRPI9806531 A	20010320	BR1998PI06531	19980513
CA2237504 AA	19981113	CA19982237504	19980512
DE69829330 D1	20050421	DE19986029330	19980506
DE69829330 T2	20060413	DE19986029330T	19980506
EP0878927 A1	19981118	EP19980201477	19980506
EP0878927 B1	20050316	EP19980201477	19980506
JP11046165 A2	19990216	JP19980130119	19980513
JP4095159 B2	20080604	JP19980130119	19980513
NZ330390 A	20000128	NZ19980330390	19980507
US6236777 BA	20010522	US19980075868	19980512

Probable Assignee: PIRELLI SUBMARINE TELECOM SYSTEMS ITALIA SPA

Assignee(s):(std)**:** PIRELLI CAVI E SISTEMI SPA ; PIRELLI SUBMARINE TELECOM SYST ; PIRELLI SUBMARINE TELECOM SYSTEMS ITALIA S P A ; PIRELLI CAVI E SISTEMI S P A ; PIRELLI SUBMARINE TELECOM SYSTEMS ITALIA SPA

Assignee(s): PIRELLI SUBMARINE TELECOM SYSTEMS ITALIA S P A MAI ; PIRELLI SUBMARINE TELECOM SYSTEMS ITALIA S P A MAILAND MILANO ; PIRELLI CAVIE SISTEMI SPA ; PIRELLI CAVI AND SYST SPA ; ALCATEL LUCENT ; BENTIVOGLIO RAVASIO FILIPPO ; CREDIT SUISSE AG ; OTTOLENGHI PAOLO

Inventor(s):(std)**:** FILIPPO BENTIVOGLIO RAVASIO ; PAOLO OTTOLENGHI ; RAVASIO FILIPPO BENTIVOGLIO ; OTTOLENGHI PAOLO ; BENTIVOGLIO RAVASIO FILIPPO

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; KIRBY EADES GALE BAKER

Designated states: DE ES FR GB GR IT SE

International class (IPC 8–9)**:** G02B6/26 H01S3/06 H01S3/091 H01S3/10 H04B10/00 H04B10/16 H04B10/17 H04B10/291 (Advanced/Invention); G02B6/26 H01S3/091 H04B10/16 H04B10/17 (Advanced/Non–invention); G02B6/26 H01S3/06 H01S3/091 H01S3/10 H04B10/00 H04B10/16 H04B10/17 (Core/Invention)

International class (IPC 1–7)**:** G02B6/26 G02B6/28 H01S3/06 H01S3/091 H01S3/10 H04B10/00 H04B10/16 H04B10/17

CPC: H04B10/2918 H04B2210/003

European class: H04B10/2918 T04B210/00A

US class: 359/341.33 372/6 385/24

Classification Explorer

Cited documents: WO9205642 A1, US5890816 A, US5253104 A, US5241414 A, US5204923 A, US5185826 A, US5173957 A, GB2284926 A1, GB2272102 A1, EP0621663 A1, EP0508880 A1,

Forward Citations: US7068945, US6956693, US6894831, US6704136, US6631026, US6618195, US6606188, US2005226614, US2004114213, US2004042064, US2002154390, JP2015023404, JP2009260372, JP2008306081,

Abstract:
Source: US6236777B An improvement in the reliability of an optical communication system comprising two optical fiber lines, a first transmitter for transmitting at least a signal in the first optical line, a second transmitter for transmitting at least a signal in the second optical line, at least one two−stage−amplifier in each of said first and second line, laser pumps providing pumping signals to said stages of the amplifiers, a first receiver for receiving the signal from the first optical line, and a second receiver for receiving the signal from the second optical line, wherein said laser pumps form a single system that provides a first pumping signal to at least one stage of said at least one amplifier of each of said first and second line.

0) US5506268A – USE OF ISOVALERAMIDE AS A MILD ANXIOLYTIC AND S...

8) Family number: 20324887 (US5506268A) © PatBase

Title: USE OF ISOVALERAMIDE AS A MILD ANXIOLYTIC AND SEDATIVE AGENT

Priority: JP19950502020 19940610 US19930075126 19930611 US19960623691 19960329 WO1994US06356 19940610

Family:

Publication number	Publication date	Application number	Application date
AT213630 E	20020315	AT19940920093T	19940610
AU199471006 A1	19950103	AU19940071006	19940610
AU701360 B2	19990128	AU19940071006	19940610
CA2164842 AA	19951208	CA19942164842	19940610
CA2164842 C	20060829	CA19942164842	19940610
CN1108793 C	20030521	CN19941092865	19940610
CN1127472 A	19960724	CN19941092865	19940610
DE69429990 D1	20020404	DE19946029990	19940610
DE69429990 T2	20020905	DE19946029990T	19940610
DK0706385 T3	20020429	DK19940920093T	19940610
EP0706385 A1	19960417	EP19940920093	19940610
EP0706385 B1	20020227	EP19940920093	19940610
ES2170770 T3	20020816	ES19940920093T	19940610
IL109982 A0	19941007	IL19940109982	19940610
IL109982 A1	19980924	IL19940109982	19940610
JP2006169259 A2	20060629	JP20060026874	20060203
JP3790267 B2	20060628	JP19950502020T	19940610
JP9501908 T2	19970225	JP19950502020T	19940610
KR100341993 B1	20021129	KR19950705615	19951211
KR19960703008 A	19960619	KR19950705615	19951211
PT706385 T	20020731	PT19940920093T	19940610
RU2136271 C1	19990910	RU19960102019	19940610
RU96102019 A	19980510	RU19960102019	19960111
TW420606 B	20010201	TW19940105347	19940611
US5506268 A	19960409	US19930075126	19930611
US5763494 A	19980609	US19960623691	19960329
WO9428888 A1	19941222	WO1994US06356	19940610

Probable Assignee: NPS PHARMA INC

Assignee(s):(std)**:** BALANDRIN MANUEL F ; EHNPIEHS FAMEHS JUTIKEHLS INK ; NPS PHARMA INC ; NPS PHARMACEUTICALS INC ; WAGENEN BRADFORD C VAN

Assignee(s): VAN WAGENEN BRADFORD C ; EHNPIEHS FAMEHS'JUTIKEHLS, INK.

Inventor(s):(std)**:** VAN UAGENEN BREHDFORD S ; BALANDRIN MANUEL F ; BRADFORD C VAN WAGENEN ; BC WAGENEN ; MANUEL F BALANDRIN ; MF BALANDRIN ; BALANDRIN F ; BALANDRIN MANUEHL F ; BALANDRIN M F ; WAGENEN BRADFORD C VAN ; VAN WAGENEN BRADFORD C ; WAGENEN B C ; VAN WAGENEN C

Inventor(s): BALANDRIN MANUEHL' F. ; M F BALANDRIN ; B C WAGENEN

Agent(s): GRIFFITH HACK; SMART AND BIGGAR; SANFORD TCOLB AND CO

Designated states: AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK ES FI FR GA GB GN GR HU IE IT JP KP KR KZ LI LK LU LV MC MG ML MN MR MW NE NL NO NZ PL PT RO RU SD SE SK SN TD TG UA US UZ VN

International class (IPC 8–9): A61K31/16 A61P25/20 A61P25/22 (Advanced/Invention); A61K31/16 (Advanced/Non–invention);

	A61K31/16 A61P25/00 (Core/Invention)
International class (IPC 1–7):	A01N37/18 A61K A61K31/13 A61K31/16 A61P25/22 C07C233/05
CPC:	Y10S514/923 A61K31/16
European class:	A61K31/16
US class:	514/629 514/923
Classification Explorer	
Cited documents:	US5300507 A, US5147857 A, US4814183 A, US4391819 A, US4246282 A, US4205083 A,
Forward Citations:	WO9944623, WO9808498, WO0051586, WO0051586, US9212155, US8187607, US7452541, US7265155, US7235258, US7087640, US6932971, US6617358, US6589994, US6544565, US6417399, US6383527, US6346283, US5786382, US5753708, US2006252824, US2006025477, US2004072900, US2003181516, JP2002538106, EP2392345, EP1576962, EP1176953,

Abstract:
Source: US5506268A Isovaleramide has been found to exhibit mild anxiolytic activity at low to moderate dosage levels and mildly sedative at somewhat higher dosage levels. In contrast to certain other materials thought to be anxiolytic or mildly sedative, isovaleramide is non–cytotoxic and does not paradoxically stimulate the central nervous system. Isovaleramide is therefore useful as a mild anxiolytic and mild sedative which can be made available to the general public.

0) EP0804331B1 – FOAMED STARCH COMPOSITIONS, ARTICLES AND METHOD...

9) Family number: 33376299 (EP0804331B1) © PatBase

Title: FOAMED STARCH COMPOSITIONS, ARTICLES AND METHODS

Priority: US19940327524 19941021 US19940353543 19941209 US19940353544 19941209 US19940353783 19941209 WO1995US11621 19950912

Family:

Publication number	Publication date	Application number	Application date
AT222533 E	20020915	AT19950931822T	19950912
AU199535118 A1	19960515	AU19950035118	19950912
AU703456 B2	19990325	AU19950035118	19950912
BRPI9509423 A	19970930	BR1995PI09423	19950912
CA2202869 AA	19970416	CA19952202869	19950912
CA2202869 C	20041123	CA19952202869	19950912
DE69527856 D1	20020926	DE19956027856	19950912
DE69527856 T2	20030508	DE19956027856T	19950912
DK0804331 T3	20021223	DK19950931822T	19950912
EP0804331 A1	19971105	EP19950931822	19950912
EP0804331 A4	20000315	EP19950931822	19950912
EP0804331 B1	20020821	EP19950931822	19950912
JP11504950 T2	19990511	JP19960513894T	19950912
KR100355468 B1	20030517	KR19970702553	19970418
KR19970706957 A	19971201	KR19970702553	19970418
KR977006957 A	19971201	KR19977002553	19970418
NZ292832 A	19990528	NZ19950292832	19950912
RU97108232 A	19990520	RU19970108232	19970521

Probable Assignee: E

Assignee(s):(std)**:** E KHASHOGGI IND ; E KHASHOGGI IND LLC ; KHASHOGGI E IND

Assignee(s): HODSON SIMON K ; ANDERSEN PER JUST ; E ; E KHASHOGGI INDUSTRIES ; E KHASHOGGI INDUSTRIES LLC ; EARTHSHELL SPE LLC

Inventor(s):(std)**:** ANDERSEN JUST ; ANDERSEN PER JUST ; HODSON K ; HODSON SIMON K ; PER JUST ANDERSEN ; SIMON K HODSON

Agent(s): FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; CASSAN MACLEAN

Designated states: AM AT BE BF BJ BY CF CG CH CI CM DE DK ES FI FR GA GB GR IE IT KE KG KZ LI LU MC MD MR NE NL PT RU SD SE SN TG TJ

International class (IPC 8–9)**:** A47G19/00 B05B11/00 B05C5/02 B27N3/00 B29C33/04 B29C33/10 B29C33/36 B29C39/00 B29C39/02 B29C39/42 B29C43/00 B29C43/06 B29C43/34 B29C43/36 B29C43/38 B29C44/00 B29C44/04 B29C65/00 B29C67/20 B29C70/02 B29C70/12 B29C70/50 B29C71/00 B32B3/26 B32B5/14 B32B5/18 B65D43/16 B65D65/40 B65D65/46 C04B20/00 C04B26/28 C04B40/00 C08J3/20 C08J9/00 C08J9/28 C08L3/00 C08L3/02 E05D1/02 (Advanced/Invention);
A47G19/00 B05B11/00 B05C5/02 B29C33/04 B29C33/10 B29C39/02 B29C44/00 B29C65/00 B29K105/04 B29K105/06 B32B3/26 B65D65/40 C08J3/20 E05D1/02 (Advanced/Non–invention);
A47G19/00 B27N3/00 B29C33/00 B29C39/00 B29C39/02 B29C39/42 B29C43/00 B29C43/04 B29C43/34 B29C43/36 B29C44/00 B29C44/02 B29C67/20 B29C70/00 B29C70/10 B29C71/00 B32B3/26 B32B5/14 B32B5/18 B65D43/16 B65D65/40 B65D65/46 C04B20/00 C04B26/00 C04B40/00 C08J3/20 C08J9/00 C08L3/00 (Core/Invention);
B05B11/00 B05C5/02 B29C33/04 B29C33/10 E05D1/00 (Core/Non–invention)

International class (IPC 1–7)**:** A47G19/00 B29C39/02 B29C44/00 B29C65/00 B29C67/20 B29C67/24 B29K105/04 B29K105/06 B32B3/26 B65D65/40 B65D65/46 C08J3/20 C08J9/28 C08K7/02 C08L3/00 C08L3/02

CPC:

Y02W90/11 C08J9/0085 B05B11/0037 B05B11/30 B05C5/0245 B27N3/002 B27N3/007 B29C33/04 B29C33/10 B29C33/20 B29C33/36 B29C39/003 B29C39/42 B29C43/003 B29C43/06 B29C43/34 B29C43/36 B29C43/38 B29C44/0407 B29C67/202 B29C70/025 B29C70/12 B29C70/50 B29C71/0009 B29C2043/3433 B29C2043/3615 B29C2043/3623 B29K2003/00 B29K2105/0064 B29K2105/04 B29K2105/06 B29K2105/12 B29K2105/16 B32B5/14 B32B5/18 B65D43/162 B65D65/466 B65D2565/385 C04B20/0048 C04B26/285 C04B40/006 C08J2303/00 C08L3/00 E05D1/02 E05Y2900/602

European class: B05B11/00B5 B27N3/00B B27N3/00R B29C33/36 B29C39/00B B29C39/42 B29C43/00B B29C43/06 B29C43/34 B29C43/36 B29C43/38 B29C44/04A B29C67/20C B29C70/02A4 B29C70/12 B29C70/50 B29C71/00C B32B5/14 B32B5/18 B65D43/16B B65D65/46C C04B20/00F C04B26/28B C04B40/00D7 C08J9/00N C08L3/00 L05B11/30 L05C5/02E L29C33/04 L29C33/10 L29C33/20 L29C43/06 L29C43/34B L29C43/36C2 L29C43/36C2B1 L29K105/00G4 L29K105/04 L29K105/06 L29K105/12 L29K105/16 L29K3/00 L65D565/38Y7 M08J303/00 P05D1/02 P05Y900/602

Classification Explorer

Cited documents: WO9112186 A1, US5272181 A, US4613627 A, GB2050459 A1, EP0546956 A2, DE4228779 A1,

Forward Citations: WO13006781, WO13006781, US8962706, US7410687, RU2544344, KR100710876,

Abstract:
Source: EP0804331B1 (Claim 1) 1. An article of manufacture having a fiber−reinforced, starch−bound cellular matrix, and a laminate coating applied to at least a portion thereof, the starch−bound cellular matrix comprising a gelated starch−based binder and fibers dispersed throughout the starch−bound cellular matrix, the fibers having an average length greater than about 0.3 mm, an average aspect ratio greater than about 25:1, and a concentration in a range from about 2 percent to about 80 percent by weight of the starch−bound cellular matrix.

0) WO9612606A1 – FOAMED STARCH COMPOSITIONS, ARTICLES AND METHOD...

10) Family number: 33376716 (WO9612606A1) © PatBase

Title: FOAMED STARCH COMPOSITIONS, ARTICLES AND METHODS

Priority: US19940327524 19941021 US19940353543 19941209 US19940353544 19941209 US19940353783 19941209 WO1995US11621 19950912

Family:

Publication number	Publication date	Application number	Application date
DE69529102 D1	20030116	DE19956029102	19950912
DE69529102 T2	20030925	DE19956029102T	19950912
DK0960711 T3	20030324	DK19950111122T	19950912
ES2181789 T3	20030301	ES19950931822T	19950912
ES2190152 T3	20030716	ES19990111122T	19950912
PT804331 T	20030131	PT19950931822T	19950912
PT960711 T	20030331	PT19990111122T	19950912
RU2160288 C2	20001210	RU19970108232	19950912
WO9612606 A1	19960502	WO1995US11621	19950912

Probable Assignee: KHASHOGGI E IND

Assignee(s):(std)**:** EH KHASHOGGI INDASTRIZ ; KHASHOGGI E IND

Assignee(s): E KHASHOGGI IND ; E KHASHOGGI IND LLC ; E KHASHOGGI INDUSTRIES ; E KHASHOGGI INDUSTRIES LLC

Inventor(s):(std)**:** KHODSON SAJMON K ; HODSON SIMON K ; HODSON SIMON ; ANDERSON PER JUST ; ANDERSEN PER JUST ; ANDERSEN JUST

Inventor(s): SIMON K HODSON ; SIMON HODSON ; PER JUST ANDERSON ; PER JUST ANDERSEN

Designated states: AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IS IT JP KE KG KP KR KZ LK LR LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TD TG TJ TM TT UA UG UZ VN

International class (IPC 8–9): A47G19/00 B05B11/00 B27N3/00 B29C33/36 B29C39/00 B29C39/02 B29C39/42 B29C43/00 B29C43/06 B29C43/34 B29C43/36 B29C43/38 B29C44/00 B29C44/04 B29C65/00 B29C67/20 B29C70/02 B29C70/12 B29C70/50 B29C71/00 B32B3/26 B32B5/14 B32B5/18 B65D43/16 B65D65/40 B65D65/46 C04B20/00 C04B26/28 C04B40/00 C08J3/20 C08J9/00 C08J9/28 C08L3/00 C08L3/02 (Advanced/Invention) ; B05C5/02 B29C33/04 B29C33/10 B29K105/04 B29K105/06 E05D1/02 (Advanced/Non–invention)

International class (IPC 1–7): B29C44/02 B29C65/00 B29C67/20 B32B3/26 C08J9/12 C08J9/28 C08L3/00 C08L3/02

CPC: Y02W90/11 C08J9/0085 B05B11/0037 B05B11/30 B05C5/0245 B27N3/002 B27N3/007 B29C33/04 B29C33/10 B29C33/20 B29C33/36 B29C39/003 B29C39/42 B29C43/003 B29C43/06 B29C43/34 B29C43/36 B29C43/38 B29C44/0407 B29C67/202 B29C70/025 B29C70/12 B29C70/50 B29C71/0009 B29C2043/3433 B29C2043/3615 B29C2043/3623 B29K2003/00 B29K2105/0064 B29K2105/04 B29K2105/06 B29K2105/12 B29K2105/16 B32B5/14 B32B5/18 B65D43/162 B65D65/466 B65D2565/385 C04B20/0048 C04B26/285 C04B40/006 C08J2303/00 C08L3/00 E05D1/02 E05Y2900/602

European class: B05B11/00B5 B27N3/00B B27N3/00R B29C33/36 B29C39/00B B29C39/42 B29C43/00B B29C43/06 B29C43/34 B29C43/36 B29C43/38 B29C44/04A B29C67/20C B29C70/02A4 B29C70/12 B29C70/50 B29C71/00C B32B5/14 B32B5/18 B65D43/16B B65D65/46C C04B20/00F C04B26/28B C04B40/00D7 C08J9/00N C08L3/00 L05B11/30 L05C5/02E L29C33/04 L29C33/10 L29C33/20 L29C43/06 L29C43/34B L29C43/36C2 L29C43/36C2B1 L29K105/00G4 L29K105/04 L29K105/06 L29K105/12 L29K105/16 L29K3/00 L65D565/38Y7 M08J303/00 P05D1/02 P05Y900/602

Classification Explorer

Cited documents: WO9112186 A1, US5272181 A,

Forward Citations: WO02087841, WO02087841, WO0000408, WO0000408, US7851057, US7410687, US6534138, RU2535202, RU2486150, JP2008502517, EP2423118, EP2423118,

EP2159163, EP1622984, EP1622984, EP1486547, EP1486547, EP1135306, DE102013012165, DE102013012165,

Abstract:
Articles, particularly containers and packaging materials, having a starch−bound cellular matrix (8) reinforced with substantially uniformly dispersed fibers (21) and methods for manufacturing the articles. High strength articles that have adequate flexibility and toughness immediately or very shortly after being demolded without the need for subsequent conditioning are molded from compositions having a starch−based binder and fibers (21) that are uniformly dispersed by means of a high yield stress fluid fraction within the starch−based composition. Such articles can replace articles presently made from conventional materials like paper, paperboard, polystyrene, plastic, or other organic−based materials and have special utility in the mass−production of containers, particularly food and beverage containers.

0) US2006027482A – JUMPER CABLE BAG

11) Family number: 32610945 (US2006027482A) © PatBase

Title:	JUMPER CABLE BAG
Priority:	US20040910517 20040803

Family:

Publication number	Publication date	Application number	Application date
US2006027482 AA	20060209	US20040910517	20040803

Probable Assignee:	PEARSON DAVID A
Assignee(s):(std)**:**	PEARSON DAVID A
Inventor(s):(std)**:**	PEARSON DAVID A
Inventor(s):	PEARSON DAVID ANDREW ; PEARSON DAVID
Agent(s):	DAVID PEARSON
International class (IPC 8–9)**:**	B65D85/00 B65H55/00 (Advanced/Invention); B65D85/00 B65H55/00 (Core/Invention)
CPC:	A45C13/08 B65H75/362 G09F21/04 G09F23/02
European class:	B65H75/36B G09F21/04 G09F23/02 K45C13/08
US class:	206/388 206/388S 206/459.5 206/459.500S 206/702
Classification Explorer	
Cited documents:	US6155870 A, US4840497 A, US4037720 A, US3741382 A,
Forward Citations:	US7946056, US7687700, US2013092285, US2011017529, US2009183383,

Abstract:
Source: US2006027482A Jumper cable bag with wordage on it so that it can double as a sign to request a jump start.

- **search:** SS8 FT=(water W1 (cooler or dispenser) and (storage or furniture or cabinet)) (Results 7325)
- List: SS8 1–50 (FT=(water W1 (cooler or dispenser) and (storage or furniture or cabinet))) (Results 7325)

0) US2012271471A – NETWORK SYSTEM AND METHOD OF CONTROLLING NETWOR...

1) Family number: 49007652 (US2012271471A) © PatBase

Title: NETWORK SYSTEM AND METHOD OF CONTROLLING NETWORK SYSTEM

Priority:

EP20100837797 20101126 EP20110745216 20110217 EP20110798388 20110622
EP20110798421 20110627 EP20110798387 20110622 EP20110798411 20110624
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WO2011KR04578 20110622 WO2011KR04573 20110622 WO2011KR04576 20110622
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WO2011KR04664 20110627 US20130806730 20130410 US20160376339 20161212

Family:

Publication number	Publication date	Application number	Application date
AU2010322810 AA	20110603	AU20100322810	20101126
AU2010322810 AH	20150226	AU20100322810	20101126
AU2010322810 BB	20150212	AU20100322810	20101126
AU2010322810 BH	20150226	AU20100322810	20101126
CA2781653 AA	20110603	CA20102781653	20101126
CA2781653 C	20160906	CA20102781653	20101126
CN102640458 A	20120815	CN201080053780	20101126
CN102640458 B	20150930	CN201080053780	20101126
CN102687463 A	20120919	CN201080059702	20101126
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CN102870370 B	20161012	CN201080066606	20100505
CN102939735 A	20130220	CN201080067334	20100610

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CN103004136 A	20130327	CN201180035180	20110624	
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CN103004138 A	20130327	CN201180035581	20110622	
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CN103155484 A	20130612	CN201180035825	20110627	
DE602010028309 D1	20151126	DE201060028309T	20101126	
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EP2568657 A4	20140305	EP20100851070	20100505	
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EP2587726 A4	20130925	EP20110798386	20110622	
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EP2587727 A4	20131016	EP20110798388	20110622	
EP2587727 B1	20150304	EP20110798388	20110622	
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EP2587731 A2	20130501	EP20110798415	20110627	
EP2587731 A4	20140611	EP20110798415	20110627	
EP2587731 B1	20160928	EP20110798415	20110627	
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE

NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47L15/00 A47L15/42 A47L9/28 B01D35/04 B60L11/00 B60L9/00 D06F33/02 D06F37/30 D06F39/00 F24C7/08 F24F11/02 G01R11/00 G01R11/56 G01R11/64 G01R21/00 G01R21/133 G01R22/00 G01R22/06 G01R31/36 G05B11/01 G05B13/02 G05B15/00 G05B15/02 G05D17/00 G05D3/12 G05D7/00 G05F1/10 G05F5/00 G06F1/00 G06F1/26 G06F1/28 G06F1/32 G06F11/30 G06F15/16 G06F15/167 G06F3/048 G06F7/00 G06F9/44 G06Q10/00 G06Q10/04 G06Q10/06 G06Q10/10 G06Q30/00 G06Q50/00 G06Q50/06 G06Q50/26 G08B25/06 G08C19/02 G08C25/00 H02J11/00 H02J13/00 H02J15/00 H02J3/00 H02J3/14 H02J3/28 H02J3/32 H02J3/38 H02J3/46 H02J4/00 H02J7/00 H02J7/35 H02J9/00 H02P1/00 H02P29/00 H04L12/10 H04L12/12 H04L12/14 H04L12/16 H04L12/24 H04L12/26 H04L12/28 H04L12/66 H04L29/06 H04Q1/24 H04Q9/04 (Advanced/Invention); B01D35/04 G06F9/44 G06Q10/00 H02J3/00 H02J3/14 H02J3/32 H02J3/38 H04L12/26 (Advanced/Non–invention)

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European class: A47L15/00C16 A47L15/00C4 D06F33/02 D06F39/00P G06F9/455B2B G06Q10/06 G06Q30/00 G06Q50/06 H02J13/00F4D H02J3/00T H02J3/14 H02J3/32 H02J3/38D1 H02J3/46 H02J9/00R H04L12/10 H04L12/12 H04L12/24 H04L12/24E1B3C H04L12/26M3A2 H04L12/28H H04L12/28H2 H04L12/28H2A H04L12/28H3 H04L12/28H3A H04L12/28H4A H04L12/28H4B H04L12/28H5 H04L12/66 H04L41/00 H04L41/08A3C H04L43/08D K47L15/00C16 K47L401/30 K47L401/34 T02J3/00L T02J3/14H T02J3/14T T04L12/28H10B Y02B60/34 Y02B70/32B2 Y02B70/32D2 Y02B70/32D2B Y02B90/26B10 Y04S20/22B Y04S20/24B Y04S20/24B2 Y04S40/12J

US class: 1/1 307/116 307/31 307/43 318/445 700/1 700/17 700/19 700/22 700/286 700/291 700/292 700/295 700/296 700/297 701/22 701/24 705/7.12 709/201 709/213 709/217 709/224 709/227

Classification Explorer

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Abstract:
Source: US2012271471A A method of controlling a network system is provided. The network system includes a metering device measuring energy supplied from a power supply source, a communication device in which energy information related to the energy communicates, and an energy management device recognizing the energy information, the energy management device controlling an operation of an electric product. The metering device or the energy management device checks whether communication of the communication device is possible. Also, when it is determined that the communication device is in a communication failure state, the communication failure state is displayed on the outside thereof. When a communication modem mounted on the electric product is in a communication failure state, the electric product may normally perform a power management program, based on power or operation information stored therein.

0) US2002069664A – METHOD AND APPARATUS FOR DISINFECTING A WATER C...

2) Family number: 44320125 (US2002069664A) © PatBase

Title: Method and apparatus for disinfecting a water cooler reservoir

Priority:

CN200880118883 20081002 EP20080836137 20081002 US20010881796 20010615
US20010954849 20010918 US19990472320 19991223 US19980220554 19981223
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Family:

Publication number	Publication date	Application number	Application date
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AU2002316266 AB	20040318	AU20020316266	20020617
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WO09046201 A3	20090806	WO2008US78601	20081002	

Probable Assignee: S I P TECH L L C

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Assignee(s): S I P TECHNOLOGIES L L C A LOUISIANA LIMITED LIABILITY COMPANY ; SIP TECHNOLOGIES LLC CENTREVILLE ; SIPTECHNOLOGIES LLC ; SIP TECHNOLOGIES INC ; S ; EHSAJPI TEKNOLODZHIS EHLEHLSI ; JAMES J SHELTON ; BANKERS TRUST CO

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Agent(s): HERBERT SMITH FREEHILLS; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; KIRBY EADES GALE BAKER; GOWLING LAFLEUR HENDERSON LLP; WITTMANN HERNANDEZ PATENTANWAELTE PARTNERSCHAFT MBB; HARRISON GODDARD FOOTE; VAUGHAN CHRISTOPHER TAMMO; LAZCANO JESUS; HANDE MUMCUOGLU; GARVEY SMITH NEHRBASS AND DOODY LLC; GARVEY SMITH NEHRBASS AND NORTH LLC; CHARLES C; VANESSA M; GARVEY SMITH NEHRBASS AND NORTH L L C; BRETT A; NEHRBASS SETH M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47J31/46 A61L2/20 B01D21/30 B01D35/00 B01J19/08 B67D1/07 B67D1/08 B67D3/00 B67D5/06 B67D5/58 B67D5/62 B67D7/06 B67D7/76 B67D7/80 C01B13/11 C02F1/00 C02F1/50 C02F1/68 C02F1/72 C02F1/78 C02F9/00 C10J1/08 F25B49/00 F25D11/00 F25D23/12 F25D3/00 F25D31/00 (Advanced/Invention);
B67D1/00 B67D7/80 C02F1/00 C02F1/68 (Advanced/Non–invention);
A61L2/20 B67D1/00 B67D3/00 B67D7/76 C02F1/78 C02F9/00 C10J1/00 F25D11/00 F25D3/00 (Core/Invention);
B67D1/00 C02F1/00 C02F1/68 (Core/Non–invention);
B67D C02F (Subclass/Invention)

International class (IPC 1–7): A47J31/46 B67D1/07 B67D3/00 B67D5/06 B67D5/58 B67D5/62 C02F1/50 C02F1/68 C02F1/72 C02F1/78 F25D11/00 F25D3/02

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US class: 1/1 210/104 210/139 210/140 210/141 210/150 210/192 210/205 210/220 210/760 210/86 210/97 222/1 222/146.1 222/146.100P 222/146.6 222/146.600S 222/185.1 222/185.100P 222/189.06 222/189.060P 222/19 222/190 222/190P 222/190S 261/122.1 261/122.100P 261/DIG.42 422/186.14 422/186.140P 62/157 62/289 62/318 62/318P 62/389 62/389S 62/392 62/392P

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Abstract:
Source: US2002069664A A method and apparatus for providing sanitized water in a bottled water dispenser uses a refrigeration system to cool the water and an ozone generating system to generate ozone for sanitizing the water. Ozone is generated and collected within an ozone generator housing. A blower transmits air to the housing, the air carrying the ozone through a flow line to an air diffuser that is positioned inside the reservoir of the water dispenser. A time deactivates the refrigeration system and at about the same time activates the ozone generator and the blower. The blower continues to pump air for a selected time period after the ozone generator is shut down, the water in the reservoir having been sanitized. This action dispenses any ozone odor. The pump then shuts off and the refrigeration system resumes operation of cooling the water in the reservoir.

0) WO14196609A1 – INSULATING BOX BODY AND REFRIGERATOR CORPS DE ...

3) Family number: 57880422 (WO14196609A1) © PatBase

Title: INSULATING BOX BODY AND REFRIGERATOR

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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WO14196609 A1	20141211	WO2014JP65001	20140605	

Probable Assignee: MITSUBISHI ELECTRIC CORP

Assignee(s):(std)**:** MITSUBISHI ELECTRIC CORP

Inventor(s):(std)**:** SUGISAKI SAORI ; TETSUSHI NAKATSU ; TAKASHI OISHI ; SHOU HANAOKA ; NAKATSU TETSUSHI ; NAKAJIMA HIROSHI ; KATSUMASA SAKAMOTO ; HIROSHI NAKAJIMA ; HANAOKA SHO ; IIDA SAORI ; NAKASHIMA HIROSHI ; NAKATSU SATOSHI ; OISHI TAKASHI ; SAKAMOTO KATSUMASA ; HANAOKA SHOU

Inventor(s): HIROSHI NAKASHIMA ; SAORI SUGISAKI ; SATOSHI NAKATSU

Agent(s): FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; KISA PATENT AND TRADEMARK FIRM

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B65D81/38 F25D11/00 F25D17/06 F25D17/08 F25D19/00 F25D23/00 F25D23/02 F25D23/06 F25D23/08 F25D29/00 H02J50/20 (Advanced/Invention); F25D23/06 F25D23/08 (Core/Invention); F25D (Subclass/Invention)

CPC: F25D2201/14 F25D23/062 F25D23/06 F25D11/00 F25D23/065

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Abstract:
A refrigerator is provided with: a box body formed of an outer housing and an inner housing, and having a back wall and side walls; a storage chamber which is formed by the division of the inside of the box body by partition walls, and which has an opening in the front; a drawer−type case that is housed in the storage chamber and is drawn out via rail members provided on the side walls of the storage chamber; a vacuum insulation material which is formed from a fibrous material with a core material comprising organic/inorganic fibers, and which is arranged between the inner housing and the outer housing which form the side wall whereon the rail member is provided; and an insulation material filled into the space between the inner housing, which is located in a position facing the rail member, and the vacuum insulation material. The insulation material located in the position facing the rail member has a thickness of less than 10mm, and the insulation material filled into the space between the vacuum insulation material and the inner housing of the rail member has a density greater than 60kg/m^3.

0) US2006086127A – ICE MAKING AND DISPENSING SYSTEM

4) Family number: 32514335 (US2006086127A) © PatBase

Title: ICE MAKING AND DISPENSING SYSTEM

Priority: CA20052523464 20051014 US20040973513 20041025 US20040973516 20041026 US20070830162 20070730 US20090388096 20090218 US20110985451 20110106 US20120608511 20120910 US20140220483 20140320 US20150816241 20150803

Family:

Publication number	Publication date	Application number	Application date
AR051400 AA	20070110	AR2005P104437	20051024
AU2005225154 AA	20060511	AU20050225154	20051025
BRPI0505473 A	20060912	BR2005PI05473	20051025
CA2523464 AA	20060425	CA20052523464	20051014
EP1649752 A1	20060426	EP20050256594	20051025
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EP1653174 A3	20150520	EP20050109774	20051020
EP1653174 B1	20160817	EP20050109774	20051020
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GB2419270 A1	20060426	GB20050021770	20051025
GB2419270 B2	20091021	GB20050021770	20051025
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US2012324940 AA	20121227	US20120608511	20120910
US2014202197 AA	20140724	US20140220483	20140320
US2015338149 AA	20151126	US20150816241	20150803
US7266951 BB	20070911	US20040973516	20041026
US7509818 BB	20090331	US20070830162	20070730
US7895859 BB	20110301	US20090388096	20090218
US8627679 BB	20140114	US20110985451	20110106
US8720221 BB	20140513	US20120608511	20120910
US9683771 BB	20170620	US20150816241	20150803

Probable Assignee: WHIRLPOOL CO

Assignee(s):(std): ANSELMINO JEFFERY ; ANSELMINO JEFFERY J ; CUR NIHAT ; FISCHER MARCUS ; FISCHER MARCUS R ; ANSELMINO MARY ANN ; LEWIS KAREN M ; PASTRYK JIM J ; LECLEAR DOUGLAS D ; LECLEAR DOUGLAS ; MAGLINGER FRANK ; PASTRYK JIM ; KULKARNI TUSHAR ; MAGLINGER FRANK W ; QUAKER OATS CO ; THE QUAKER OATS COMPANY ; QUERFURTH KAREN J ; WHIRLPOOL CO ; TENBARGE ANDREW M ; TENBARGE ANDREW

Assignee(s): WHIRLPOOL CORP ; QUAKER OATS COMPANY THE

Inventor(s):(std): LEWIS KAREN M ; QUAKER OATS CO ; THE QUAKER OATS COMPANY ; TENBARGE ANDREW M ; TENBARGE ANDREW J ; TENBARGE ANDREW ; QUERFURTH KAREN J ; MAGLINGER FRANK W ; MAGLINGER FRANK ; LECLEAR DOUGLAS D ; LECLEAR DOUGLAS ; KULKARNI TUSHAR ; KULKARNI T V ; CUR NIHAT O ; CUR NIHAT ; ANSELMINO JEFFREY J ; ANSELMINO JEFFERY L ; ANSELMINO JEFFERY J ; ANSELMINO JEFFERY ; ANSELMINO J JEFFERY ; JEFFERY J ANSELMINO ; FISCHER MARCUS R ; FISCHER MARCUS ; PASTRYK JIM J ; PASTRYK JIM ; KAREN M LEWIS

Inventor(s): LEWIS KAREN ; NIHAT CUR ; DOUGLAS D LECLEAR ; ANDREW J TENBARGE ; KAREN J QUERFURTH ; JIM J PASTRYK ; QUERFURTH KAREN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; MACRAE AND CO; GUERCI ALESSANDRO; WHIRLPOOL PATENTS COMPANY, MD 0750; WHIRLPOOL PATENTS CO MD 0750; RYNDAK AND SURI LLP; KIRK; MICHAEL D; GOODWIN KIRK; LAFRENZ MICHAEL D

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

International class (IPC 8–9): A21D10/00 A21D13/08 A21D2/06 A21D2/18 A21D2/36 A23L1/09 A23L1/10 A23L1/308 B67D7/80 F25C1/00 F25C1/22 F25C5/00 F25C5/16 F25C5/18 F25D11/02 F25D21/06 F25D25/00 F25D25/04 F25D3/02 (Advanced/Invention); A21D10/00 A21D13/00 A21D2/00 A23L1/09 A23L1/10 A23L1/308 F25C1/00 F25C5/00 F25D11/02 F25D21/06 F25D25/00 (Core/Invention)

International class (IPC 1–7): A21D2/18 A21D2/18 A21D2/36 A21D2/36 A23L1/0522 A23L1/09 A23L1/09 A23L1/10 A23L1/10 A23L1/308 A23L1/308 A61P3/06

CPC: A23L7/115 A23L29/35 A23L33/21 A23L33/24 A21D10/00 A21D2/186 A21D2/36 A23V2002/00 A21D13/80 F25C5/182 F25C5/005

European class: A21D10/00 A21D13/08 A21D2/18E A21D2/36 A23L1/09D A23L1/10E A23L1/308 A23L1/308B F25C5/00B2 K23V2/00

US class: 222/146.6 222/146.600S 222/413 222/413S 426/549 426/549P 62/340 62/344 62/344P 62/353 62/377 62/380 62/380S 62/420 62/425 62/441 62/441S 62/66 62/660

Classification Explorer

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Abstract:
Source: US2006086127A An dispensing system suitable for lifting and dispensing ice through the refrigerator compartment door of a bottom−mount refrigerator or lifting and dispensing ice from an undercounter ice maker to a dispenser on the countertop.

0) US2009178409A – APPARATUS AND METHOD FOR STORING HEAT ENERGY

5) Family number: 42056789 (US2009178409A) © PatBase

Title: APPARATUS AND METHOD FOR STORING HEAT ENERGY

Priority:

US20060834736P 20060801 US20070008635 20071221 US20070008635P 20071221
US20070905729P 20070308 US20070066054 20070727 US20080063467P 20080131
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US20090376064 20090202

Family:

Publication number	Publication date	Application number	Application date
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WO09082713 A1	20090702	WO2008US87820	20081219

Probable Assignee: SHINNAR MEIR

Assignee(s):(std)**:** SHINNAR REUEL ; HIRSCH ROBERT L ; RES FOUND OF CITY UNIV OF NEW YORK ; RES FOUNDATION OF CITY UNI ; RES FOUNDATION OF THE CITY UNI ; RES FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK ; SHINNAR SHLOMO ; SHINNAR MEIR ; UNIV CITY ; UNIV CITY NEW YORK RES FOUND

Assignee(s): RESEARCH FOUNDATION OF CITY UNIV NEW YORK ; RESEARCH FOUNDATION OF CITY UNIV OF NEW YORK ; RESEARCH FOUNDATION OF CITY UNIV ; RESEARCH

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Inventor(s):(std)**:** SHINNAR REUEL ; HIRSCH ROBERT L ; REUEL SHINNAR

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SUNDIEN THOMAS; WITTRUP FLEMMING; SANFORD TCOLB AND CO; GREENBLUM AND BERNSTEIN PLC; FISH AND RICHARDSON PC CUNY RESEARCH FOUNDATION OF CITY UNIV OF NEW; FISH AND RICHARDSON PC; BURNS AND LEVINOSN LLP; JACOB N; ORLANDO; BURNS AND LEVINSON LLP; MUELLER ROBERT W ET AL; TURK ARNOLD ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B60K16/00 B60L8/00 F01K1/00 F01K23/10 F01K3/00 F01P11/02 F02B63/04 F02C6/00 F03G6/00 F03G6/04 F03G6/06 F03G7/00 F22B1/18 F24J F24J2/00 F24J2/04 F24J2/34 F24J2/42 F28D17/00 F28D19/00 G21C1/00 G21C15/00 G21C19/28 G21D1/00 G21D1/02 G21D7/00 (Advanced/Invention);
G21C19/00 G21D1/00 (Advanced/Non–invention);
F01K3/00 F01P11/00 F02B63/00 F02C6/00 F03G6/00 F24J2/00 F24J2/04 F24J2/42 G21C1/00 G21C15/00 G21C19/28 (Core/Invention);
F01P F24J (Subclass/Invention)

International class (IPC 1–7): F24J2/00 F24J2/42

CPC: Y10S165/902 F28D2020/0047 F28D17/005 F01K23/10 Y02E20/18 F24J2/07 F03G6/04 F24J2/42 F28D20/0056 F28D2020/006 Y02E10/41 Y02E10/46 Y02E60/142 Y02E70/30 Y02E20/16 F22B1/006 G21C19/28 F01K3/00 F22B1/1823 G21D1/00 G21D1/006 Y02E30/40

European class: F01K23/10 F01K3/00 F03G6/04 F22B1/18C F24J2/07 F24J2/42 F28D20/00E G21D1/00 G21D1/00C R28D20/00S Y02E10/41 Y02E10/46 Y02E20/16 Y02E20/18 Y02E30/40 Y02E60/14B Y02E70/30

US class: 126/617 126/617S 126/643 126/643S 126/678 126/678S 165/10 165/902 290/1.00AP 290/1A 376/317 376/322 376/347 376/361 376/383 376/384 376/391 376/391P 60/641.12 60/641.14 60/641.140P 60/641.15 60/641.150S 60/641.8 60/641.800S 60/645 60/645P 60/659 60/659S 60/772 60/772S

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Forward Citations: WO17055440, WO16150462, WO16050367, WO15061261, WO14113756, WO14113756, WO13130944, WO13110730, WO13082481, WO13021397, WO13016828, WO13015834, WO12171436, WO12150969, WO12127178, WO12069369, WO12020234, WO12007216, WO11163039, WO11163039, WO11142793, WO11142793, WO11142792, WO11142792, WO11142791, WO11142791, WO11142790, WO11142790, WO11077248, WO11077248, WO11027309, WO11027309, WO11018323, US9709347, US9702348, US9683788, US9658004, US9644615, US9625889, US9608498, US9593866, US9540957, US9484121, US9475023, US9410748, US9377247, US9377246, US9376962, US9347713, US9347690, US9322295, US9249728, US9200622, US9169832, US9016271, US8955320, US8925543, US8843240, US8826664, US8806866, US8763390, US8733095, US8733094, US8713929, US8677744, US8674532,

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Abstract:
Source: US2009178409A Method and apparatus for storing heat in industrial systems where large sources of stored energy are called upon to meet a work load, storing the heat content of a hot working fluid by using the hot working fluid as a heat transfer fluid in vapor form and depositing its heat content on a heat storage medium and then removing the cooled and condensed liquid phase of that heat transfer fluid, and when hot working fluid again is needed, the liquid heat transfer fluid is returned to the heated storage medium and is reheated as it passes through the hot storage medium and then is returned to the working system to be used as a hot working fluid.

0) US6189551B – DISHWASHER

6) Family number: 30349356 (US6189551B) © PatBase

Title: DISHWASHER

Priority:

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Family:

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WO9833426 A1	19980806	WO1998NZ00008	19980130	

Probable Assignee: FISHER AND PAYKEL LTD

Assignee(s):(std)**:** BUTLER RICHARD GEORGE ARTHUR ; FISHER AND PAYKEL ; FISHER AND PAYKEL APPLIANCES L ; SARGEANT ADRIAN ; WILKS JOHN ; KAZIANUS BABIS ; MAUNSELL STEVE ; FISHER AND PAYKEL LTD ; FISHER AND PAYKEL APPLIANCES LTD

Assignee(s): FISHER AND PAYKEL APPLIANCES LTD EAST TAMAKI ; FISHER AND PAYKEL LIMITED ; FISHER AND PAYKEL APPLIANCES LIMITED

Inventor(s):(std)**:** ADRIAN ANTHONY SARGEANT ; ADRIAN SARGEANT ; BABIS KAZIANUS ; BUTLER RICHARD GEORGE ARTHUR ; JOHN WILKS ; KAZIANUS BABIS ; MAUNSELL STEVE ; RICHARD GEORGE ARTHUR BUTLER ; RICHARD GEORGE BUTLER ; SARGEANT ADRIAN ANTHONY ; STEVE MAUNSELL ; WILKS JOHN ; SARGEANT ADRIAN ; KAZAINUS BABIS ; BUTLER RICHARD GEORGE ; BUTLER GEORGE

Inventor(s): BUTLER RICHARD GEORGE MAORI HILL ; MAUNSELL STEVE MOSGIEL

Agent(s): A J PARK; AJ PARK; RICHES MCKENZIE AND HERBERT LLP; WEICKMANN AND WEICKMANN PATENTANWAELTE RECHTSANWALT PARTMBB; HOARTON LLOYD DOUGLAS CHARLES ET AL; HOARTON LLOYD DOUGLAS CHARLES

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

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A47B77/08 A47L15/00 A47L15/42 H02H3/33 (Advanced/Non–invention);
A47L15/00 A47L15/14 A47L15/42 A47L15/44 A47L15/46 D06F39/08 H02H3/16 H02H3/32 (Core/Invention);
H02H3/32 (Core/Non–invention);
A47L H02H (Subclass/Invention);
F04D H02H H05K (Subclass/Non–invention)

International class (IPC 1–7): A47B77/08 A47L15/00 A47L15/08 A47L15/14 A47L15/23 A47L15/26 A47L15/42 A47L15/44 A47L15/46 A47L17/00 D06F39/08 D06F39/12 F04D13/14 F04D29/22 F04D29/24 F04D29/42 F04D29/66 H02H3/00 H02H3/05 H02H3/16 H02H3/32 H02H3/33 H02H7/00 H05B1/00 H05B1/02 H05B3/00 H05K5/02

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US class: 134/186 134/200 134/60 219/481 219/491 219/497 219/519 312/228.1 312/278 361/79 415/206 415/212.1 415/56.2 415/911 68/196

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Abstract:
Source: US6189551B A dishwasher having a cabinet and wash chambers in the form of drawers which slide in and out of the cabinet. Rigid and flexible closures are disclosed for sealing off the wash chambers when retracted into the cabinet. A detergent dispenser for the dishwasher is provided in one wall of a wash chamber in the wash water discharge path into the wash chamber so that detergent powder is flushed out of the dispenser and mixed with the wash water prior to the latter being discharged into the wash chamber.A wash programme for a dual wash chamber dishwasher is also disclosed which minimises total water consumption by transferring water from one chamber to the other.

0) US2006237923A – TRAVEL COOLER HAVING SEPARABLE WHEELED BASE AND...

7) Family number: 33547282 (US2006237923A) © PatBase

Title: TRAVEL COOLER HAVING SEPARABLE WHEELED BASE AND INSULATED CONTAINER

Priority:

US20040380199	20040425	US20050674622P	20050425	US20060380198	20060425
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: M AND C INNOVATIONS LLC

Assignee(s):(std)**:** BIZZELL DANIEL LEE ; H AND C INNOVATIONS LLC ; H AND M INNOVATIONS LLC ; HOY CHRIS ; M AND C INNOVATIONS LLC ; VANDERBERG MATTHEW ALEXANDER ; KOVACEVICH IAN D

Inventor(s):(std)**:** BIZZELL DANIEL L ; BIZZELL DANIEL LEE ; HOY CHRIS ; KOVACEVICH IAN D ; VANDERBERG MATTHEW A ; VANDERBERG MATTHEW ALEXANDER

Inventor(s): VANDERBERG MATTHEW ; KOVACEVICH IAN ; BIZZELL DANIEL

Agent(s): TILLMAN WRIGHT PLLC; TILLMAN CHAD D; WRIGHT JAMES D; JAMES D; CHAD D; DOERRE JEREMY C; JEREMY C; JEFFREY C

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A45C11/20 A45C5/14 A45C7/00 B62B1/00 B62B1/04 B62B1/06 B62B1/10 B62B1/12 B62B1/16 B62B1/20 B62B1/26 B62B11/00 B62B3/00 B62B3/02 B62B3/04 B62B3/10 B62B3/16 B62B5/00 B62B5/06 B62B7/02 B65D30/00 B65D6/16 B65D6/18 B65D6/26 B65D81/38 F25D23/00 F25D3/00 F25D3/06 F25D3/08 (Advanced/Invention); A45C5/08 (Advanced/Non–invention); B62B1/00 B62B3/00 B62B3/02 B62B7/00 B65D30/00 B65D6/16 B65D81/38 F25D23/00 F25D3/00 (Core/Invention)

CPC: B65D81/3895 F25D31/002 F25D2303/081 F25D2303/0831 F25D2323/061 F25D2400/38 B65D21/086 F25D2303/0843 F25D2303/0845 F25D3/08 A45C13/385 B62B3/003 A45C5/14 A45C7/004 B62B1/006 B62B1/04 B62B3/022 B62B5/06 B62B5/061 B62B5/067

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European class: A45C7/00C3G B62B1/00I B62B1/04 B62B3/00B B62B3/02B B62B3/10 B62B3/16 B62B5/06 B65D21/08C F25D3/06 K45C11/20 K45C5/14 K45C7/00C3 L62B202/52 L62B204/04 L62B204/06 L62B206/02 L62B206/04 L62B5/06B L62B5/06S L65D81/38L3 R25D3/06 R25D303/081 R25D303/0831 R25D303/0843 R25D303/0845 R25D31/00C R25D323/061 R25D400/38

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Classification Explorer

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Forward Citations: WO15069931, WO10104471, WO07016092, USD786626, USD781661, USD746408, USD745810, USD731858, USD729988, USD729987, USD713213, USD709336, USD701424, USD701092, USD685228, USD671372, USD664402, USD642870,

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Abstract:
Source: US2006237923A A travel cooler includes a wheeled platform and an insulated container configured to be selectively coupled to, and uncoupled from, the wheeled platform. The wheeled platform includes a base, a plurality of wheels mounted to the base for rolling movement of the platform and a first coupling component fixedly disposed on the base. The insulated container includes a second coupling component fixedly disposed on the container. The first and second coupling components are disengaged from one another when the insulated container is uncoupled from the wheeled platform. The first and second coupling components are disposed in interlocking engagement when the insulated container is coupled to the wheeled platform, whereby the insulated container is securely coupled to the wheeled platform in fixed disposition relative thereto for safe transportation on the wheeled platform. The base defines a container receiving recess within which a bottom portion of the insulated container is received when the insulated container is coupled to the wheeled platform.

0) US2003097314A – BEVERAGE DISENSING APPARATUS HAVING FLUID DIREC...

8) Family number: 30143977 (US2003097314A) © PatBase

Title: BEVERAGE DISENSING APPARATUS HAVING FLUID DIRECTOR

Priority:

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WO2002US37766 20021121

Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: BEVERAGE WORKS IN C

Assignee(s):(std)**:** BEVERAGE WORKS IN C ; BEVERAGE WORKS INC ; CRISP HARRY L III ; DUFF TODD E ; CRISP III HARRY LEE ; TANNER ROGER ; RAMSEY CHRISTOPHER PAUL

Assignee(s): CRISP HARRY LEE ; DUFF TODD ERIK ; WYETH ; IGT ; CRISP HARRY LIII ; ACACIA RESEARCH GROUP LLC ; BEVERAGE DISPENSING SOLUTIONS LLC

Inventor(s):(std)**:** CRISP HARRY L III ; CRISP HARRY LEE ; CRISP HARRY LEE III ; CRISP HARRY LIII ; CRISP III ; CRISP III HARRY LEE ; DUFF TODD E ; DUFF TODD ERIK ; HARRY LEE III CRISP ; RAMSEY CHRISTOPHER PAUL ; ROGER TANNER ; TANNER ROGER ; TODD ERIK DUFF ; RAMSEY CHRISTOPHER P ; BEVERAGE WORKS INC ; CHRISTOPHER PAUL RAMSEY

Inventor(s): CRISP ; CRISP HARRY ; III HARRY LEE ; RAMSEY CHRISTOPHER ; DUFF TODD

Agent(s): BELL BOYD AND LLOYD LLC; K AND L GATES LLP; BELL BOYD AND LLOYD LLP; BELL BOY AND LLOYD LLP; BELL BOYD AND LLOYD; NEAL GERBER AND EISENBERG LLP; NEAL GERBER AND EISENBERG LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A23L2/00 B08B13/00 B08B3/02 B65D83/00 B65D83/14 B65D88/54 B67D1/00 B67D1/04 B67D1/08 B67D1/12 B67D3/00 B67D5/56 B67D5/62 B67D5/66 B67D7/34 B67D7/74 B67D7/80 B67D7/86 D06F39/08 F16K5/00 F25D17/06 F25D23/12 F25D3/00 G01F11/00 G01F11/30 G01F13/00 G05D11/02 G05D11/13 G05D7/06 G06F17/00 G06F7/08 G06Q10/00 G06Q10/08 G06Q20/20 (Advanced/Invention);
B67D1/04 B67D1/12 (Advanced/Non–invention);
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US class: 1/1 134/113 134/200 134/56.00D 134/56D 134/57 134/57.00D 134/57.00DP 134/57D 134/58 134/58.00DS 134/58D 134/93 134/94.1 134/94.100S 134/99.2 222/129 222/129.1 222/129.100P 222/129.100S 222/129.3 222/129.300S 222/129.4 222/132 222/135 222/136 222/146.1 222/146.6 222/146.600S 222/23 222/23S 222/25 222/25P 222/325 222/399 222/482 222/484 222/52 222/61 222/61S 235/381 251/310 251/310S 62/125 62/125S 62/3.64 62/364 62/389 62/389.9 62/389P 62/389S 62/390 62/390P 62/390S 62/392 62/398 62/398P 62/399 623/890 68/12.01 68/17.00R 68/17R 70/52.8 700/231 700/231S 700/236 700/237 700/239 700/240 700/241 700/241S 700/242 700/283 700/283P 700/285 700/285S 705/16 705/16P 705/22 705/22P 705/23 705/24 705/26 705/26P 705/28 705/28P 705/34 705/34P

Classification Explorer

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Abstract:
Source: US2003097314A The present invention provides a beverage dispensing apparatus for a residential refrigerator. The beverage dispensing apparatus includes a drink supplier including a drink supply canister holder for holding a plurality of drink supply canisters, a plurality of valve actuators for causing the drink supply to be selectively released from the drink supply canisters, a water supplier for selectively supplying carbonated water and non−carbonated water for producing the beverages, a gas supplier for supplying CO2 gas to carbonate the carbonated water provided by the water supplier and for supplying CO2 gas or other gas for pressurizing the drink supply canisters to provide a consistent flow rate of the drink supply from the drink supply canisters, a fluid director for facilitating the mixing of the drink supply from one of the drink supply canisters and the carbonated or non−carbonated water from the water supplier and one or more beverage requesters for enabling users to request one of a plurality of beverages.

0) US2006086135A – WATER SPILLAGE MANAGEMENT FOR IN THE DOOR ICE M...

9) Family number: 32865720 (US2006086135A) © PatBase

Title: WATER SPILLAGE MANAGEMENT FOR IN THE DOOR ICE MAKER

Priority: US20040973559 20041026 US20060436079 20060517 US20080055699 20080326 US20090607287 20091028 US20090607302 20091028 US20090607377 20091028 US20090607325 20091028 US20090607342 20091028 US20090607359 20091028 US20090607503 20091028

Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** CHASE KEVIN M ; FISCHER MARCUS R ; LEWIS MARTIN D ; OLSSON SHAWN F ; PASTRYK JIM J ; VISIN JEROLD M ; WHIRLPOOL CO ; WU GUOLIAN ; WILCOX MICHELE E ; VISIN JERRY M

Assignee(s): WHIRLPOOL CORP ; WHIRPOOL CORP

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Inventor(s): CHASE KEVIN ; VISIN JERRY M LEWIS MARTIN D CHASE KEVIN M PASTRYK ; WILCOX MICHELE ; VISIN JERRY ; VISIN JEROLD ; SHAWN F OLSSON ; PASTRYK JIM ; OLSSON SHAWN ; FISCHER MARCUS ; MARCUS R FISCHER ; MARKUS R FISCHER ; MARTIN D LEWIS ; MICHELE E WILCOX ; GUOLIAN WU ; JEROLD MICHAEL VISIN ; JERRY M VISIN ; JIM J PASTRYK ; KEVIN M CHASE ; LEWIS MARTIN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GUERCI ALESSANDRO; WHIRLPOOL PATENTS COMPANY – MD 0750; WHIRLPOOL PATENTS CO MD 0750; GOODWIN KIRK; LAFRENZ MICHAEL D; KIRK; MICHAEL D; KIRK W; ROBERT L; JOHN W

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL PL PT RO RS SE SI SK TR YU

International class (IPC 8–9): A47B96/04 B65D43/14 F25C1/00 F25C1/04 F25C1/10 F25C1/22 F25C1/24 F25C5/02 F25C5/08 F25C5/16 F25C5/18 F25D11/00 F25D11/02 F25D13/04 F25D19/00 F25D19/02 F25D21/00 F25D21/08 F25D23/02 F25D23/12 F25D3/02 (Advanced/Invention); F25C1/04 F25C5/08 (Advanced/Non–invention); F25C1/00 F25C1/04 F25C1/10 F25C1/22 F25C5/00 F25D13/00 F25D21/00 F25D21/08 F25D23/02 (Core/Invention); F25C1/04 (Core/Non–invention)

International class (IPC 1–7): F25C5/00 F25D11/00

CPC: F25C1/04 F25C1/10 F25C1/24 F25C5/08 F25C2305/022 F25C2400/02 F25C2400/10 F25C2500/06 F25D11/02 F25D23/028 F25D23/04 F25D23/12 F25D2317/062 F25D2317/0666 F25D2323/021

European class: F25C1/04 F25C1/10 F25C1/24 F25D11/02 F25D23/12 R25C1/04 R25C305/022 R25C400/02 R25C400/10 R25C5/08 R25C500/06 R25D23/02E R25D23/04 R25D317/062 R25D317/0666 R25D323/021

US class: 220/833 312/405 62/135 62/135S 62/150 62/150S 62/340 62/340P 62/340S 62/344 62/344S 62/345 62/345S 62/351 62/351P 62/351S 62/353 62/441 62/441S 62/448 62/449 62/449S 62/459 62/66 62/71 62/71P 62/73 62/73P 62/74 62/80 62/80S

Classification Explorer

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Forward Citations: WO16164165, WO16077407, WO08020723, WO07141170, WO07141170, US9719711, US9709312, US9689600, US9683771, US9587871, US9518772, US9518771, US9513045, US9500401, US9470446, US9448003, US9322591, US9316425, US9273890, US9267731, US9234689, US9212846, US9109829, US9109826, US9097454, US9032744, US9021828, US9004325, US8991205, US8978406, US8973391, US8919145, US8820110, US8800316, US8794025, US8776544, US8770682, US8769981, US8756951, US8720221, US8627679, US8613205, US8596084, US8584474, US8578721, US8573719, US8555664, US8534087, US8511106, US8505326, US8484987, US8443620, US8408016, US8371136, US8371133, US8359874, US8281611, US8256234, US8240159, US8176746, US8074464, US8042353, US8037697, US7942017, US7934389, US7913510, US7908882, US7905466, US7900470, US7895843, US7832227, US7823755, US7765828, US7614244, US7594413, US2017003061, US2015135757, US2014238053, US2014216097, US2014216095, US2014196479, US2014123687, US2014020422, US2013014535, US2013000345, US2012324917, US2012324915, US2012318003, US2012159977, US2012042681, US2012036872, US2012023996, US2011259037, US2011239686, US2011203305, US2011162406, US2011162392, US2011146327, US2011146312, US2011120153, US2011030411, US2011000248, US2010326118, US2010326112, US2010292846, US2010275635, US2010229590, US2010218542, US2010218540, US2010218535, US2010218526, US2010218520, US2010218518, US2010186437, US2010154458, US2010147005, US2010122543, US2010050680, US2010050663, US2010037632, US2010031688, US2010018230, US2010018226, US2009260370, US2009255291, US2009249822, US2009187280, US2009178429,

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Abstract:
Source: US2006086135A A refrigerator freezer having an ice maker positioned on a refrigerator compartment or freezer compartment door. The ice maker is arranged to prevent or manage spills from the ice maker in the event the door on which the ice maker is mounted is opened or closed when unfrozen water is present in the ice maker. Spill management embodiments for a number of fixed and movable tray ice makers are disclosed.

0) US2006260333A – INSULATED ICE COMPARTMENT FOR BOTTOM MOUNT REFR...

10) Family number: 33812355 (US2006260333A) © PatBase

Title: INSULATED ICE COMPARTMENT FOR BOTTOM MOUNT REFRIGERATOR

Priority:

CA20062542087	20060406	CA20062544815	20060424	US20060329569	20060111
US20060331870	20060113	US20050139237	20050527	US20050131701	20050518
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** ANELL THOMAS C ; COULTER TIM L ; FU XIAOYONG ; GOSE THOMAS E ; HERNDON STEVEN G ; JENKINS JAMES H JR ; MAYTAG CORP ; MARTIN DEAN A ; KRAMER BRENT A ; LEIMKUEHLER SCOTT W ; KOONS BILL J ; MILLER ALVIN V ; OLIVEIRA MAURO M ; NOEL KEVIN L ; OTT LESTER J ; NOEL KEVIN LEE ; JENKINS JR JAMES H ; WHIRLPOOL CO ; WELCH ALAN M ; PAULSEN RON S ; VAN METER KYLE B ; STAUFFER DAVID A ; ROTTER CHAD J ; WETEKAMP ROBERT L ; STAUFFER DAVID ALLEN

Assignee(s): WHIRPOOL CORP ; WHIRLPOOL CORP

Inventor(s):(std)**:** ANELL THOMAS C ; ANELL THOMAS CARL ; BERARDI GREG ; ANDERSON TROY M ; COULTER TIM L ; FERRAGUT II NELSON J ; FERRAGUT NELSON J ; FERRAGUT NELSON J II ; FRANKEN CARL J ; FU XIA YONG ; FU XIAOYONG ; GOSE THOMAS E ; HERNDON STEVEN G ; JENKINS JAMES H ; JENKINS JAMES H JR ; JENKINS JR JAMES H ; KOONS BILL J ; KOPPENHAVER BRENT A ; KRAMER BRENT A ; LEIMKUEHLER SCOTT W ; MARTIN DEAN A ; MILLER ALVIN V ; NOEL KEVIN L ; COULTER TIM LEE ; NOEL KEVIN LEE ; NURRE JOSEPH M ; OLIVEIRA MAURO M ; OLIVERIA MAURO M ; OTT LESTER J ; PAULSEN RON S ; ROTTER CHAD J ; ROUSH DOUG M ; SCHUCHART RYAN D ; SILBAUGH ERIC K ; STAUFFER DAVID A ; STAUFFER DAVID ALLEN ; TARRANT ALAN G ; TUNZI SCOTT T ; TUNZI SCOTT TIMOTHY ; TUNZI TODD J ; VAN METER KYLE B ; WELCH ALAN M ; WETEKAMP ROBERT L

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International class (IPC 8–9): A47B81/00 A47B96/04 B21K21/00 B23P15/26 B67D5/62 B67D7/80 E03B7/12 F16K1/00 F25B1/00 F25B21/02 F25B49/00 F25B49/02 F25C1/00 F25C1/04 F25C1/12 F25C1/22 F25C1/24 F25C5/00 F25C5/18 F25D11/00 F25D11/02 F25D13/02 F25D13/04 F25D17/02 F25D17/04 F25D17/06 F25D17/08 F25D19/00 F25D21/06 F25D21/08 F25D23/00 F25D23/02 F25D23/06 F25D23/12 F25D29/00 F25D3/00 F25D3/02 F25D31/00 G05B15/00 G07F11/00 (Advanced/Invention);
F25B21/02 F25C5/00 F25D17/04 F25D27/00 (Advanced/Non–invention);
B21K21/00 B67D7/80 F25B1/00 F25B49/00 F25C1/00 F25C1/04 F25C1/12 F25C1/22 F25C5/00 F25D11/00 F25D11/02 F25D13/00 F25D17/04 F25D17/06 F25D17/08 F25D21/06 F25D23/00 F25D23/02 F25D23/12 G05B15/00 G07F11/00 (Core/Invention)

CPC:

F25B2600/0251 F25D2400/04 Y02B30/743 Y10T137/1189 Y10T29/49359 F25C5/185 F25D23/025 Y10S292/37 Y10S292/71 B23P15/26 F25C1/00 F25D23/00 F25D23/064 F25C5/007 F25C1/04 F25D31/00 F25D23/061 F25D23/063 F25D23/066 F25D23/12 F25D2201/10 F25D2317/067 F25D23/04 F25D23/126 F16K19/00 F25D21/04 F25D2323/122 F25B2600/112 F25C5/187 F25D2317/061 F25D2317/0666 F25D2317/0682 F25D2323/021 F25D2400/02 F25D2700/02 F25D2700/12 F25D2700/121 F25D2700/122 F25D2700/14 F25D29/00 F25D17/045 F25D11/02 F25D27/00 F25D17/065 F25B21/02 F25C5/005

European class: F25C5/00B2 F25C5/18B2 F25D11/02 F25D17/06A1 F25D23/02C F25D29/00 R25B21/02 R25B600/0251 R25B600/112 R25C5/00B2 R25D17/04A2 R25D27/00 R25D317/0666 R25D317/067 R25D317/0682 R25D323/021 R25D400/02 R25D400/04 R25D700/02 R25D700/12 R25D700/121 R25D700/122 R25D700/14 Y02B30/74D Y02B40/32

US class: 1/1 137/59 137/59S 138/27 211/74 220/592.02 220/592.020P 221/150.00RS 221/150R 251/318 251/318S 29/890.035 29/890.035S 292/DIG.37 292/DIG.71 312/401 312/404 312/404S 312/405.1 312/406.1 312/408 312/408S 49/501 62/129 62/132 62/132P 62/135 62/135P 62/137 62/151 62/151P 62/157 62/186 62/187 62/187P 62/187S 62/190 62/208 62/228.1 62/228.100P 62/228.2 62/228.200S 62/233 62/275 62/275S 62/276 62/276S 62/337 62/337S 62/338 62/339 62/340 62/340P 62/340S 62/344 62/344P 62/344S 62/347 62/348 62/348P 62/349 62/353 62/389 62/389S 62/401 62/401S 62/407 62/407P 62/407S 62/408 62/408S 62/419 62/419S 62/420 62/420S 62/424 62/425 62/426 62/440 62/440P 62/440S 62/441 62/441S 62/449 62/449S 62/457.4 62/56 62/56 62/66 62/74 62/89 62/98 62/98P 623/440 700/275 700/275P D15/89 D15/89

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Abstract:
Source: US2006260333A A refrigerator includes a refrigerator cabinet, a fresh food compartment disposed within the cabinet, a freezer compartment disposed within the cabinet, an ice compartment disposed within the cabinet, and an electronic control system associated with the refrigerator and adapted to monitor and control the fresh food compartment, the freezer compartment and the ice compartment. The control system provides for energy efficient control and operation through various means, including by monitoring state of an ice maker associated with the ice compartment and controlling temperature within compartments of the refrigerator based on the ice maker state. The control system can also use correlations in determining appropriate temperatures for different compartments within the refrigerator.

0) US2015314026A – MOBILE STERILIZATION APPARATUS AND METHOD FOR U...

11) Family number: 60549600 (US2015314026A) © PatBase

Title: MOBILE STERILIZATION APPARATUS AND METHOD FOR USING THE SAME

Priority: US20140053338P 20140922 US20140054341P 20140923 US20140950502P 20140310 US20150644094 20150310 US20140068497P 20141024 US20150861620 20150922 WO2015US19771 20150310 US20160213238 20160718 US20150861920 20150922 US20160233384 20160810 US20160369713 20161205

Family:

Publication number	Publication date	Application number	Application date
AU2015241496 AA	20151008	AU20150241496	20150310
CA2960460 AA	20170307	CA20152960460	20150310
CN105433949 A	20160330	CN201510614327	20150923
CN106458441 A	20170222	CN201580024573	20150310
EP3116810 A1	20170118	EP20150773883	20150310
JP2017514638 T2	20170608	JP20160575606T	20150310
KR20160135246 A	20161125	KR20167027988	20150310
US2015314026 AA	20151105	US20150644094	20150310
US2016008503 AA	20160114	US20150861620	20150922
US2016084869 AA	20160324	US20150861920	20150922
US2016325143 AA	20161110	US20160213238	20160718
US2016346415 AA	20161201	US20160233384	20160810
US2017080115 AA	20170323	US20160369713	20161205
US9410979 BB	20160809	US20150861920	20150922
US9439992 BB	20160913	US20150861620	20150922
US9724439 BB	20170808	US20160233384	20160810
WO15153084 A1	20151008	WO2015US19771	20150310

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Assignee(s): WEBB ALEXIS ; KEENAN MARYELLEN ; MAUZERALL MICHELE

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Agent(s): FB RICE; FB RICE PTY LTD; BORDEN LADNER GERVAIS LLP; PRICE NIGEL JOHN KING; TAKANASHI REIKO; WEAVER AUSTIN VILLENEUVE AND SAMPSON LLP; ANDRIY; SMITH AND HOPEN PA; PANDISCIO MARK J

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47B57/20 A47B81/00 A47B91/00 A47B91/04 A47B91/16 A61B5/00 A61B5/11 A61L2/00 A61L2/07 A61L2/24 A61L2/26 A61L9/00 A63B21/072 A63B22/06 A63B24/00 A63B60/46 A63B71/00 B01D35/02 B01D46/00 B60B33/00 B62B3/00 B62B3/06 B62B5/00 B65F1/14 F16J15/06 G01C19/5607 G01P15/08 G01P3/44 G01P7/00 (Advanced/Invention)

CPC: A47B81/00 B01D46/0005 F16J15/06 B01D46/0086 A47B91/16 B60B33/00 Y10T29/49828 G01P7/00 A61L2/24 A61L2202/12 A61L2202/14 A61L2202/182 A61L2202/24 B01D35/02 B01D2273/20 B01D2279/35 A61L2/00 A61L9/00 A47B91/04 A47B57/20 B62B3/00 B62B3/02 A61L2/07 A61L2/26 A63B24/0062 A61B5/681 A63B21/072 A63B22/0605 A63B22/0664 A63B60/46 A63B2220/12 A63B2220/17 A63B2220/20 A63B2220/30 A63B2220/44 A63B2220/70 A63B2220/72 A63B2220/75 A63B2220/76 A63B2230/75 A63B2244/20 G01C19/5607 G01C21/16 G01P3/44 G01P15/00 G01P15/0888 A61B50/00 A61L2202/122 A61L2202/16

US class: 1/1 280/651 280/79.11 280/79.2 29/428 312/209 312/229 312/236 312/237 312/249.8 312/324 422/292 482/8 73/510 96/417

Classification Explorer

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Forward Citations: WO16198030, US9724438, US9694093, US9686392, US9655548, US9648949, US9616368, US9616143, US9606992, US9504408, US9387869, US2017080115, US2017006983, US2017006145, US2016162007, US2016049073, US2016031465, US2015230734, US2013083064,

Abstract:
Source: US2015314026A A mobile sterilization system comprising: a sterilization cabinet, the sterilization cabinet comprising: a bottom panel, a top panel, two side panels, a back panel and a door configured so as to define an interior chamber; a plurality of casters or wheels mounted to the bottom panel, each of the plurality of casters or wheels being mounted to the bottom panel by a caster or wheel bracket, wherein the caster or wheel bracket comprises a lateral projection; perforations formed in at least one of the bottom panel, top panel and two side panels; and at least one filter configured to cover the perforations; and a transfer cart, the transfer cart comprising: an upper platform for receiving a sterilization cabinet, the upper platform comprising a pair of transfer cart tracks extending longitudinally along the upper platform, wherein each of the transfer cart tracks comprises a lateral projection; and a lower support structure for supporting the upper platform and for receiving wheels; wherein the sterilization cabinet is received on the transfer cart such that the lateral projections of the caster or wheel brackets engage the lateral projections of the transfer cart tracks, whereby to prevent side−to−side and up−and−down movement of the sterilization cabinet relative to the transfer cart.

0) US2005139552A – PORTABLE, POTABLE WATER RECOVERY AND DISPENSING...

12) Family number: 31846369 (US2005139552A) © PatBase

Title: PORTABLE, POTABLE WATER RECOVERY AND DISPENSING APPARATUS

Priority:
AU20020244146 20020225 AU20050200750 20050218 CA20022477276 20020225
US20020505535 20020225 US20060464132 20060811 US20080124053 20080520
US20040505535 20040823 WO2002US05636 20020225 CA20022614643 20020225

Family:

Publication number	Publication date	Application number	Application date
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AU2002244146 AA	20030909	AU20020244146	20020225
AU2002244146 BB	20041118	AU20020244146	20020225
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CA2477276 C	20080513	CA20022477276	20020225
CA2614643 AA	20030904	CA20022614643	20020225
CA2614643 C	20091117	CA20022614643	20020225
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EP1478891 B1	20081001	EP20020709675	20020225
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IN241216 B	20100702	IN2004DN02607	20040906
JP2005518488 T2	20050623	JP20030571671T	20020225
KR100626242 B1	20060921	KR20047013165	20020225
KR20040082444 A	20040924	KR20047013165	20020225
MXPA04008147 A1	20050620	MX2004PA08147	20020225
NZ534775 A	20060728	NZ20020534775	20020225
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US2007039345 AA	20070222	US20060464132	20060811
US2008245092 AA	20081009	US20080124053	20080520
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VN5359 A1	20060126	VN20040000961	20020225
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Probable Assignee: WORLDWIDE WATER LLC

Assignee(s):(std)**:** COLBERT CLAYTON ; FORSBERG FRANCIS C ; GLOBAL WATER CO ; WORLDWIDE WATER L L C ; WORLDWIDE WATER LLC

Assignee(s): FRANCIS C FORSBERG ; CLAYTON COLBERT

Inventor(s):(std)**:** CLAYTON COLBERT ; COLBERT CLAYTON ; FORSBERG FRANCIS ; FORSBERG FRANCIS C ; FOSBOGER F C ; FRANCIS C FORSBERG ; KOLBURT C

Inventor(s): F C FOSBOGER ; FC FOSBOGER ; C KOLBURT

Agent(s): PHILLIPS ORMONDE FITZPATRICK; OSLER HOSKIN AND HARCOURT LLP; LOVEN KEITH JAMES; DR MARK FRIEDMAN LTD; SHAMOTO ICHIO; CHIBA AKIO; MASUI CHUJI; KOBAYASHI YASUSHI; TOMITA HIROYUKI; MIYAMAE TORU; COX AND SMITH INC; COX SMITH MATTHEWS INC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): B01D61/02 B67D5/62 B67D7/80 C02F1/04 C02F1/18 C02F1/28 C02F1/32 C02F1/44 C02F1/68 C02F1/78 C02F9/00 C02F9/08 E03B11/02 E03B3/28 E03B7/07 F24F1/02 F25B21/02 F25D11/00 F25D17/04 F25D17/06 F25D21/00 F25D21/14 F25D23/00 F25J3/00 (Advanced/Invention);
C02F1/04 C02F1/28 C02F1/32 C02F1/44 F25D11/00 F25D17/06 (Advanced/Non–invention);
F25D11/00 F25D17/06 (Core/Invention)

International class (IPC 1–7): B01D61/02 C02F1/04 C02F1/18 C02F1/28 C02F1/32 C02F1/44 C02F1/48 C02F1/68 C02F1/78 C02F9/00 E03B11/02 E03B3/28 E03B7/07 F25D11/00 F25D17/06 F25D23/00

CPC: Y02W10/37 C02F1/001 C02F1/008 C02F1/441 C02F1/78 C02F2201/008 F25C1/00 F24F1/025 B01D5/0003 B01D5/0072 B01D5/0075 C02F1/283 C02F1/32 C02F1/44 C02F1/68 C02F9/005 C02F2101/20 C02F2101/30 C02F2201/3225 C02F2201/3228 C02F2209/005 C02F2209/40 C02F2209/42 C02F2209/44 C02F2301/046 F24F1/027 E03B3/28 F25D11/00 F25D17/06

European class: B01D5/00B B01D5/00H14 B01D5/00H16 C02F9/00B E03B3/28 F24F1/02B1 F24F1/02B3 M02F1/00D M02F1/00T M02F1/28D M02F1/32 M02F1/44 M02F1/44B M02F1/68 M02F1/78 M02F101/20 M02F101/30 M02F201/00M M02F201/322H M02F201/322R M02F209/00T M02F209/40 M02F209/42 M02F209/44 M02F301/04D R25C1/00

US class: 210/748 62/264 62/264S 62/272 62/285 62/285P 62/288 62/288P 62/291 62/291S 62/3.4 62/3.400S 62/317 62/317S 62/389 62/389S 62/635 62/635P 62/93

Classification Explorer

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Forward Citations: WO17089988, WO11146428, WO11146428, WO11044143, WO11032978, WO10040017, WO09073134, WO09048421, WO09045168, WO08046037, WO08001286, WO05115922, USD713193, USD652529, US9685599, US9662962, US9651279, US9629281, US9622588, US9593685, US9561451, US9538714, US9533329, US9476648, US9371245, US9357760, US9352979, US9335073, US9249038, US9227155, US9121414, US9076105, US9057557, US9038405, US9010144, US8986462, US8961708, US8920140, US8893927, US8879242, US8816528, US8797719, US8734640, US8710459, US8650892, US8627673, US8556127, US8505320, US8504234, US8495893, US8437879, US8413844, US8404113, US8398852, US8322072, US8321365, US8321061, US8302412, US8256236, US8252174, US8151592, US8048231, US7996928, US7954335, US7927406, US7921658, US7886557, US7886547, US7861544, US7837866, US7743617, US7670479, US7631511, US7601960, US7567420, US7373787, US7272947, US7182222, US7175760, US7049615, US2016214076, US2016213444, US2016089616, US2016084508, US2015247645, US2015184875, US2015075197, US2015064069, US2014352333, US2014322071, US2014306591, US2014299554, US2014224990, US2014190591, US2014130529, US2013269372, US2013263956, US2013213865, US2013161404, US2013142677, US2013133355, US2013047655, US2013047631, US2012222999, US2012125851, US2012060531, US2012047927, US2011313577, US2011297187, US2011284436, US2011283730, US2011271953, US2011057512, US2010307181, US2010268679, US2010266742, US2010212348, US2010170656, US2010107325, US2010089086, US2010083676, US2010083675, US2010083674, US2010083673, US2010065414, US2010025311, US2009321435, US2009321365, US2009293513, US2009293301, US2009284157, US2009243864, US2009241580, US2009235676, US2009173683, US2008308403, US2008295695, US2008269647, US2008245092, US2008245090, US2008156738, US2008130189, US2008104978, US2008087587, US2008034770, US2007251261, US2007250313, US2007157922, US2007131716, US2007039345, US2006124665, US2006006104, US2005223725, US2005217484, US2005172952, US2003234212, JP6124190, JP5349676, GB2467241,

ES2379326, ES2307355, EP3120907, CN104813107, CN104787957, CN103890514, CN103237943, CN102345306, CN102312464,

Abstract:
Source: US2005139552A A portable, potable−water generator for producing high−purity liquid water by condensation of water vapor from ambient air. The generator (125) employs an air filter (119) to remove particulates and aerosols from the incoming air. An enclosed heat absorber cools the filtered air to its dew point and collects droplets of condensate into a condensate collector (5). Before discharge, the collected dew is treated in a bacteriostat loop to destroy adventitious living organisms and to filter out undesirable and dangerous contaminants. A recirculation loop provides the ability to recirculate stored condensate, including during periods of inactivity. Further, quick disconnect fittings (55 b) and variable length flexible tubing allows use of the invention to serve remote dispensers and/or appliances and allow use of municipal water treated through the apparatus in low condensate situations.

0) US2005268638A – WATER DISPENSER FOR REFRIGERATOR FREEZERS

13) Family number: 32475228 (US2005268638A) © PatBase

Title: WATER DISPENSER FOR REFRIGERATOR FREEZERS

Priority: US20040860906 20040604 US20080102103 20080414 US20080102191 20080414 US20080339424 20081219 US20090455433 20090601 US20100710806 20100223

Family:

Publication number	Publication date	Application number	Application date
AU2005202418 AA	20051222	AU20050202418	20050603
AU2005202418 BB	20100218	AU20050202418	20050603
BRPI0501996 A	20060124	BR2005PI01996	20050606
CN100494837 C	20090603	CN200510075462	20050531
CN1707205 A	20051214	CN200510075462	20050531
DE602005017223 D1	20091203	DE200560017223T	20050527
EP1605219 A1	20051214	EP20050104569	20050527
EP1605219 B1	20091021	EP20050104569	20050527
IN01325DE2005 A	20070831	IN2005DE01325	20050524
IN275587 B	20160916	IN2005DE01325	20050524
KR20060048154 A	20060518	KR20050047604	20050603
MXPA05005907 A1	20060210	MX2005PA05907	20050601
NZ540520 A	20061027	NZ20050540520	20050602
US2005268638 AA	20051208	US20040860906	20040604
US2008184730 AA	20080807	US20080102191	20080414
US2008190132 AA	20080814	US20080102103	20080414
US2009090124 AA	20090409	US20080339424	20081219
US2009235683 AA	20090924	US20090455433	20090601
US2010293985 AA	20101125	US20100710806	20100223
US7455085 BB	20081125	US20040860906	20040604
US7757732 BB	20100720	US20080102191	20080414
US7793690 BB	20100914	US20080102103	20080414

Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** BOARMAN PATRICK J ; GILBOE KEVIN J ; HARMON DARYL L ; VISIN JERRY M ; VOGLEWEDE RONALD L ; WHIRLPOOL CO ; WHIRLPOOL CORP ; WILSON GARY W SR

Assignee(s): WHIRPOOL CORP

Inventor(s):(std)**:** DARYL L HARMON ; GARY W WILSON ; BOARMAN PATRICK J ; GILBOE KEVIN J ; HARMON DARY L ; HARMON DARYL L ; JERRY M VISIN ; KEVIN GILBOE J ; KEVIN J GILBOE ; PATRICK J BOARMAN ; RONALD L VOGLEWEDE ; VISIN JERRY M ; VOGLEWEDE RONALD L ; VOGLEWEDE RONALD L GILBOE KEVI ; WILSON GARY W ; WILSON GARY W SR ; WILSON SR GARY W

Inventor(s): BOARMAN PATRICK ; WILSON GARY WSR ; VOGLEWEDE RONALD L GILBOE KEVIN J BOARMAN PATRICK ; WILSON GARY ; VOGLEWEDE RONALD ; VISIN JERRY ; PATRICK J BOERMAN ; HARMON DARYL ; DARY L HARMON ; GARY W WILSON SR ; GILBOE KEVIN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GUERCI ALESSANDRO; WHIRLPOOL PATENTS COMPANY – MD 0750; WHIRLPOOL PATENTS CO MD 0750; BAKER BOTTS LLP; GOODWIN KIRK; LAFRENZ MICHAEL D; KIRK; MICHAEL D

Designated states: DE FR GB IT

International class(IPC 8–9)**:** A47B96/00 B65B1/04 B65D25/40 B67D5/06 B67D5/62 B67D7/06 B67D7/80 F03C1/22 F25D1/02 F25D11/00 F25D23/00 F25D23/12 F25D25/00 F25D25/02 F25D3/00 (Advanced/Invention); F25D11/00 F25D23/00 F25D23/02 F25D23/04 F25D25/00 (Advanced/Non–invention); A47B96/00 B65D25/38 B67D7/06 B67D7/80 F25D11/00 F25D23/00 F25D23/12

F25D25/00 (Core/Invention);
F25D23/02 F25D23/04 (Core/Non−invention)

International class (IPC 1−7): B67D5/00 B67D5/60 F03C1/22 F25C5/00 F25D1/02 F25D23/00 F25D23/12

CPC: F25D23/028 F25D23/04 F25D23/126 F25D2331/803 F25D2331/81 F25D25/00 F25D11/00 F25D23/00

European class: F25D23/12B R25D23/02E R25D23/04 R25D331/803 R25D331/810

US class: 141/18 141/192 141/360 141/362 222/146.6 222/146.600S 222/505 222/505S 222/533 222/533S 222/534 222/566 222/566S 248/346.3 248/346.300S 62/382 62/389 62/389P

Classification Explorer

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Forward Citations: WO13054277, WO13054277, WO11139116, WO11139116, WO09157644, WO09157644, WO09080635, WO09080635, WO08072795, WO07118787, USD765153, USD765152, USD707486, USD706567, USD697094, USD694297, USD694296, USD694295, USD675472, USD652245, USD614441, USD602728, USD568913, USD568912, US9648981, US9568240, US9567201, US9556011, US9284179, US9216895, US9139415, US9073743, US9068772, US9049962, US8967432, US8966927, US8881951, US8794274, US8701940, US8701436, US8695853, US8677778, US8656730, US8640485, US8640484, US8607585, US8596086, US8517484, US8443614, US8359969, US8250880, US8226178, US8141748, US8122734, US8113248, US8074466, US8025083, US8024940, US8016160, US7874460, US7866165, US7824543, US7762292, US7699993, US7442297, US7340914, US2015300729, US2015047742, US2014270725, US2014270724, US2014042186, US2014021227, US2012152983, US2012042671, US2011126718, US2011083463, US2011083457, US2011079038, US2011023525, US2010307184, US2010218848, US2010175783, US2010175415, US2010071401, US2010000931, US2009314025, US2009308493, US2009293735, US2009293530, US2009249818, US2009241782, US2009159154, US2009095010, US2009071184, US2009008403, US2008314065, US2008178628, US2008178627, US2008178626, US2008174220, US2008174219, US2008173037, US2008078723, US2008078710, US2006191829, US2006144075, KR20120017483, KR101697114, KR101476210, KR101379629, KR101365355, KR101350056, KR101203355, KR101178685, KR101159447, KR100969796, JP6130859, JP5784898, JP2015505268, JP2011115590, ITTO20110620, EP2717006, EP2682693, EP2546810, EP2420778, EP2357437, EP2133641, EP2133639, EP2133638, DE102007062001, CN104081138, CN104053386, CN103313931, CN103313931, CN103245160, CN103047817, CN102620504, CN102401535, CN102401535, CN102269498, CN102269497, CN102042736,

Abstract:
Source: US2005268638A A water dispenser mounted on a door of a refrigerator freezer that is provided with a spigot that is movable between inner and outer dispensing positions. The dispenser includes a dispenser housing having a dispensing cavity and the spigot is movably mounted in the top of the dispensing cavity. When the spigot is in the inner dispensing position water can be dispensed into a container positioned in the dispensing cavity. In the outer dispensing position the spigot can dispense water into a container positioned outside the dispensing cavity. The dispenser housing can be provided with a movable tray in the bottom of the dispensing cavity. The movable tray can be withdrawn to support a container under the spigot in the inner dispensing position and extended to support a container under the spigot in the outer dispensing position.

0) US2005236432A – METHOD AND APPARATUS FOR PROGRAMABLY TREATING W...

14) Family number: 32360902 (US2005236432A) © PatBase

Title: METHOD AND APPARATUS FOR PROGRAMABLY TREATING WATER IN A WATER COOLER

Priority: NZ20050550603 20050421 US20040564178P 20040421 US20050009913 20050420 US20050109913 20050420 WO2005US14118 20050421 US20060535754 20060927 US20070842476 20070821

Family:

Publication number	Publication date	Application number	Application date
AT504541 E	20110415	AT20050779126T	20050421
AU2005249908 AA	20051215	AU20050249908	20050421
AU2005249908 BB	20110428	AU20050249908	20050421
CA2563534 AA	20061017	CA20052563534	20050421
CA2563534 C	20150331	CA20052563534	20050421
CN101785868 A	20100728	CN200910179821	20050421
CN101785868 B	20140618	CN200910179821	20050421
CN1964914 A	20070516	CN200580012661	20050421
CN1964914 B	20100818	CN200580012661	20050421
DE602005027337 D1	20110519	DE200560027337T	20050421
DK1737785 T3	20110801	DK20050779126T	20050421
EP1737785 A2	20070103	EP20050779126	20050421
EP1737785 A4	20090429	EP20050779126	20050421
EP1737785 B1	20110406	EP20050779126	20050421
ES2364472 T3	20110905	ES20050779126T	20050421
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HK1096370 A3	20070601	HK20070103509	20070402
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IL178720 A1	20110927	IL20050178720	20050421
JP2007534566 T2	20071129	JP20070509724T	20050421
JP5285905 B2	20130911	JP20070509724T	20050421
KR101209842 B1	20121207	KR20067024438	20050421
KR101282052 B1	20130704	KR20127024993	20050421
KR20070096782 A	20071002	KR20067024438	20061121
KR20120112886 A	20121011	KR20127024993	20050421
MXPA06012126 A1	20070427	MX2006PA12126	20050421
NZ550603 A	20101126	NZ20050550603	20050421
NZ586322 A	20111028	NZ20050586322	20050421
US2005236432 AA	20051027	US20050109913	20050420
US2007108135 AA	20070517	US20060535754	20060927
US2009101594 AA	20090423	US20070842476	20070821
US7114637 BB	20061003	US20050109913	20050420
US7258803 BB	20070821	US20060535754	20060927
US7655150 BB	20100202	US20070842476	20070821
WO05118462 A2	20051215	WO2005US14118	20050421
WO05118462 A3	20060914	WO2005US14118	20050421
WO05118462 C2	20060420	WO2005US14118	20050421

Probable Assignee: SIP TECHNOLOGIES LLC

Assignee(s):(std): DAVIS KENNETH A ; ED LIABILITY CO S I P TEC ; SIP TECHNOLOGIES LLC ; S I P TECHNOLOGIES L L C ; S I P TECHNOLOGIES L L C A LOU ; KENNETH DAVIS ; ED

LIABILITY COMPANY S I P TEC ; KENNETH A DAVIS ; S I P TECHNOLOGIES L L C A LOUISIANA US LTD LIABILITY COMPANY

Assignee(s): S I P TECHNOLOGIES L L C A LOUISIANA US LIMITED LIABILITY COMPANY ; SIP TECHNOLOGIES LLC A LOUISIANA US LIABILITY COMPANY LTD ; ED LIABILITY COMPANY S I P TECHNOLOGIES L L C A LOUISIANA US LIMIT ; S I P TECHNOLOGIES L L C (A LOUISIANA US... ; ED LIABILITY CO SIP TECHNOLOGIES LLC

Inventor(s):(std)**:** DAVIS KENNETH ; DAVIS KENNETH A

Inventor(s): KENNETH A DAVIS

Agent(s): HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; HARRISON GODDARD FOOTE; DR MARK FRIEDMAN LTD; GARVEY SMITH NEHRBASS AND DOODY LLC; GARVEY SMITH NEHRBASS AND NORTH LLC; CHARLES C; BRETT A

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61L2/20 B67D1/07 B67D1/08 B67D3/00 B67D5/58 B67D5/62 B67D7/62 B67D7/76 B67D7/80 C02F1/50 C02F1/78 F25D11/00 (Advanced/Invention);
A61L101/10 B67D7/76 C02F1/00 F25D11/00 (Advanced/Non–invention);
A61L2/20 B67D1/00 B67D3/00 B67D7/58 B67D7/76 B67D7/80 C02F1/50 C02F1/78 F25D11/00 (Core/Invention);
C02F1/00 (Core/Non–invention);
B67D (Subclass/Invention)

International class (IPC 1–7): B67D5/58

CPC: B67D3/0009 B67D3/0029 B67D2210/00013 C02F1/78 C02F2209/005 C02F2201/782 C02F2201/784 C02F2307/10 B67D3/0077 B67D7/76 F25D11/00

European class: B67D3/00C B67D3/00H C02F1/78 L67D210/00B4 M02F209/00T

US class: 210/138 210/760 222/146.6 222/146.600P 222/146.600S 222/185.1 222/190 222/52 62/389

Classification Explorer

Cited documents: WO9932409 A1, WO03003325 A1, WO02102706 A1, US7422684 BA, US7258803 BB, US7114637 BB, US6561382 BB, US6561382 BA, US6561362 BA, US6532760 BB, US6532760 BA, US6389690 BA, US6351603 BB, US6289690 BA, US6182453 BA, US6149804 A, US6085540 A, US5889684 A, US5683576 A, US5366619 A, US5328059 A, US4842723 A, US4767528 A, US4752389 A, US4599166 A, US4341641 A, US4193949 A, US4019986 A, US3843521 A, US3726404 A, US3382980 A, US2003156978 AA, US2002069664 AA, KR20040010717 A, KR20040010717, JP7330088 A2, JP62086492 A2, JP3055479 A2, JP2005521017 T2, JP2000298769 A2, JP11283090 A2,

Forward Citations: WO09046201, WO09046201, US9480762, US9446968, US9434623, US9416034, US8871085, US8647501, US8500993, US8495893, US8366920, US8196424, US8176948, US8133398, US8007666, US7993600, US7748233, US7695613, US7655150, US7422684, US7258803, US2015129607, US2011047373, US2010288710, US2010250449, US2010218510, US2010187185, US2010170656, US2010018930, US2009308494, US2009242074, US2009101594, US2008264877, US2007108135, US2006169647, RU2474773, CN104755413, CN104755413, CN101903720,

Abstract:
Source: US2005236432A An apparatus for a programmable self sanitizing water dispenser apparatus with a digital computer as well as a programmable method for generating ozone for cleaning the reservoir and the water contained within it.

15) Family number: 28669920 (US2005006289A) © PatBase

Title: APPARATUS FOR OFFERING AND DISPENSING MINERAL WATER SUITABLE FOR CONSUMPTION

Priority: NL20011019544 20011212 US20040867097 20040614 WO2002NL00824 20021212

Family:

Publication number	Publication date	Application number	Application date
AT319659 E	20060315	AT20020786243T	20021212
AU2002351452 AA	20030623	AU20020351452	20021212
AU2002351452 BB	20071025	AU20020351452	20021212
DE60209782 D1	20060504	DE20026009782	20021212
DE60209782 T2	20070329	DE20026009782T	20021212
DK1453761 T3	20060703	DK20020786243T	20021212
EP1453761 A1	20040908	EP20020786243	20021212
EP1453761 B1	20060308	EP20020786243	20021212
ES2259726 T3	20061016	ES20020786243T	20021212
JP2005511291 T2	20050428	JP20030551073T	20021212
JP4469177 B2	20100526	JP20030551073T	20021212
NL1019544 C2	20030613	NL20011019544	20011212
US2005006289 AA	20050113	US20040867097	20040614
US7318893 BB	20080115	US20040867097	20040614
WO03050045 A1	20030619	WO2002NL00824	20021212

Probable Assignee: SARA LEE DE NV

Assignee(s):(std)**:** KROON ARIE ; LEE DE NV SARA ; LEE DE SARA NV ; BIESHEUVEL AREND CORNELIS JACO ; VAN EIJNATTEN ERIC MICHAEL COR ; SARA LEE DE N V ; SARA LEE DE NV

Assignee(s): SARA LEE DE N V UTRECHT ; VAN EIJNATTEN ERIC MICHAEL CORNELIS MARIA ; BIESHEUVEL AREND CORNELIS JACOBUS ; SARA LEE AND DE NV

Inventor(s):(std)**:** EIJNATTEN ERIC MICHAEL CORNELI ; ERIC MICHAEL CORNELIS MARIA VAN EIJNATTEN ; VAN EIJNATTEN MICHAEL ; VAN EIJNATTEN ERIC MICHAEL COR ; KROON ARIE ; EIJNATTEN ERIC MICHAEL CORNELIS ; BIESHEUVEL CORNELIS ; AREND CORNELIS JACOBUS BIESHEUVEL ; ARIE KROON ; BIESHEUVEL AREND CORNELIS JACO

Inventor(s): BIESHEUVEL AREND ; BIESHEUVEL AREND CORNELIS JACOBUS ; VAN EIJNATTEN ERIC MICHAEL CORNELIS MARIA ; VAN EIJNATTEN ERIC MICHAEL CORNELIS

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; MOTOMIYA TERUHISA; UBUKATA KAZUO; KATO NOBUAKI; TAKAHASHI SEIICHIRO; OCHI TAKAO; USUI SHINICHI; MATSUI TAKAO; OKABE MASAO; YOSHIZAWA HIROSHI; ALTERA LAW GROUP LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B67D1/00 B67D1/08 B67D1/16 C02F1/28 C02F1/44 C02F1/68 C02F3/12 (Advanced/Invention); C02F1/44 (Advanced/Non–invention); B67D1/00 C02F1/28 C02F1/44 C02F1/68 (Core/Invention); C02F1/44 (Core/Non–invention)

International class (IPC 1–7): A47J31/60 B67D5/62 C02F1/28 C02F1/44 C02F1/68 C02F9/00

CPC: B67D1/0009 B67D1/0857 B67D1/0871 B67D1/16 B67D2210/0001 B67D2210/00018 B67D2210/00104 B67D2210/00154 C02F1/44 C02F1/68 C02F2209/005 C02F2209/05

European class:

B67D1/00E4 B67D1/08D B67D1/08E B67D1/16 C02F1/68 L67D210/00B2D L67D210/00B4D L67D210/00D12D L67D210/00F2B2 M02F1/44 M02F209/00T M02F209/05

US class: 210/194

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Forward Citations: WO08139296, WO05047170, WO04104527, WO04103097, WO04103097, US8478540, US7861896, US2014076824, US2012282678, US2007170212, US2007145523, NL1024787, NL1023521, EP2354094, EP1857415, AU2004289577,

Abstract:
Source: US2005006289A An apparatus for presenting and dispensing mineral water suitable for consumption, characterized in that the apparatus is arranged to generate the mineral water from mains water and is provided with a mains water inlet, water processing means for obtaining the mineral water from the mains water, at least an outlet for dispensing the mineral water and a first fluid connection between the inlet and the water processing means for supplying the mains water to be processed to the water processing means, the water processing means being provided with a first storage vessel which, in use, is filled with the mineral water, at least a second storage vessel which, in use, is filled with minerals, at least a dosing unit for dispensing, in a dosed manner, minerals from the second storage vessel to the first storage vessel, at least a cooling unit for cooling the first storage vessel, at least a third storage vessel which, in use, is also filled with the mineral water, a second fluid connection between the first storage vessel and the third storage vessel for conveying mineral water from the first storage vessel to the third storage vessel and at least a first recirculation system for discharging mineral water from the third storage vessel and for then supplying the discharged mineral water to the third storage vessel again, the outlet being arranged to dispense the mineral water from the third storage vessel and/or the first storage vessel.

16) Family number: 54906021 (US2013255290A) © PatBase

Title: ENERGY EFFICIENCY OF AIR CONDITIONING SYSTEM BY USING DUAL SUCTION COMPRESSOR

Priority:

US20120618914P 20120402 US20120622821P 20120411 US20130800322 20130313
US20120622840P 20120411 US20130800749 20130313 US20130800508 20130313
US20130833696 20130315 US20130800908 20130313 US20130836143 20130315
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US20160372175 20161207

Family:

Publication number	Publication date	Application number	Application date
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BR102014005924 A2	20150623	BR20141005924	20140313
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US2013256319 AA	20131003	US20130837659	20130315

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US9221210 BB	20151229	US20130833685	20130315	
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WO13155323 A1	20131017	WO2013US36203	20130411	
WO14160222 A1	20141002	WO2014US26070	20140313	
WO14160276 A1	20141002	WO2014US26212	20140313	

Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** WHIRLPOOL CO

Assignee(s): WHIRLPOOL CORP ; WHIRPOOL CORP

Inventor(s):(std)**:** CUR NIHAT ; CUR NIHAT O ; FERREIRA LUIZ AFR NIO ALVES ; FERREIRA LUIZ AFRANIO ALVES ; GOMES ALBERTO ; KENDALL JAMES ; KENDALL JAMES W ; KUEHL STEVEN ; KUEHL STEVEN J ; ALLARD PAUL B ; PANNOCK JURGEN ; RAMM AXEL J ; RAMM AXEL JULIO ; WU GUOLIAN

Inventor(s): STEVEN J KUEHL ; PAUL B ALLARD ; AXEL J RAMM ; AXEL JULIO RAMM ; LUIZ AFRANIO ALVES FERREIRA ; NIHAT CUR ; GUOLIAN WU ; JAMES KENDALL ; JAMES W KENDALL ; FERREIRA LUIZ AFRNIO ALVES

Agent(s): NICHOLLS MICHAEL JOHN; GUERCI ALESSANDRO; CALLAGHAN TERRY S

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47B96/04 A47B96/20 B08B B21D51/52 B23P15/26 B29C51/02 B29C51/06 B29C51/08 B29C51/10 B29C53/00 B29C65/00 B29C70/30 B65D B65D81/20 B65D81/38 F24F1/10 F24F1/48 F24F3/14 F24F5/00 F25B1/00 F25B1/10 F25B19/00 F25B31/00 F25B39/00 F25B39/02 F25B41/04 F25B49/02 F25B5/00 F25B5/02 F25B6/02 F25B7/00 F25C1/00 F25D F25D11/00 F25D17/02 F25D23/02 F25D23/06 F25D23/12 F28B1/00 F28D1/04 F28D21/00 F28F1/32 H04R3/12 (Advanced/Invention); B29C51/08 B29K101/12 B29L31/00 (Advanced/Non–invention)

CPC: F25B39/00 F25D11/00 F25D23/062 B29C65/002 F25D23/066 F25D23/02 F25D23/126 F25D2323/024 F25D2400/40 A47B96/202 B21D51/52 B29C53/063 B29C53/00 Y10T29/49002 Y10T29/49359 Y10T29/49826 Y10T29/49879 Y10T29/49947 F25B39/02 F25C1/00 B23P15/26 F25D23/028 F24F3/1405 F25B1/10 F25B41/043 B29C51/06 B29C2791/001 B29L2031/7622 H04R3/12 Y10T29/49616 Y10T156/1051 Y10T428/231 F25D23/065 F25D23/063 F25B5/00 F25B7/00 F25B39/028 F25B1/00 B29K2101/12 B29C51/082 F25D23/064 F25D2201/14 F28D1/0408 F28D2021/0071 F28F1/32 F28F2215/02 F28F2215/04 F28F2270/00 F25B49/02 F25B6/02 F25B2341/0661 F25D2201/1262 B29K2105/04 B29K2995/0067 B29C51/02 B65D81/3806 F25B31/00 F25B2600/01 F25B5/02 F28B1/00

US class: 1/1 156/227 156/286 165/135 220/592.09 264/101 29/428 29/525.01 29/592.1 29/890.035 29/897 312/405 312/406 312/406.1 428/69 62/115 62/117 62/335 62/338 62/340 62/440 62/447 62/467 62/498 62/510 62/513 62/524

Classification Explorer

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Forward Citations: WO17116574, WO17100034, WO17100004, WO17100003, WO16141021, WO16036284, WO16028552, US9726438, US9696083, US9689604, US9635774, US9599392, US9599353, US9598857, US9587876, US9527653, US9463917, US9441779, US9221210, US9182158, US9140481, US9132592, US9038403, US2017021554, US2015267958, US2015107084, US2014360044, US2014196305, US2014139087, GB2515903, EP3009775, EP2963365, EP2937651, EP2910880, EP2910878, EP2778578, DE102014109332, DE102014109332, CN104848628, CN104848628, CN103884054, CN103884054, CN103591687,

Abstract:
Source: US2013255290A A method for selectively transferring latent and sensible heat from air in a cooling system of a building structure interior volume that includes at least the steps of: (1) providing a building structure air conditioning system that provides cooling to at least a portion of the interior volume of a building structure and (2) adjusting a ratio of a time coolant flows through the first evaporator to a time coolant flows through the second evaporator such that coolant flows through the first evaporator for more time than the second evaporator when more latent heat is removed from the air and more coolant flows through the second evaporator for more time than the first evaporator when more sensible heat is removed from the air.

17) Family number: 56394839 (US2015292809A) © PatBase

Title: METHOD FOR OPERATING AN ARRANGEMENT FOR STORING THERMAL ENERGY

Priority: SE20120051241 20121101 WO2013SE51281 20131101 WO2013SE51283 20131101

Family:

Publication number	Publication date	Application number	Application date
AP201508425 A0	20150531	AP20150008425	20131101
AP201508429 A0	20150531	AP20150008429	20131101
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CA2890133 C	20160621	CA20132890133	20131101
CA2890137 AA	20150430	CA20132890137	20131101
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CL2015001144 A1	20160219	CL20150001144	20150430
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CN104813132 B	20161130	CN201380055694	20131101
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IN01259MN2015 A	20160527	IN2015MN01259	20150519
IN01262MN2015 A	20160527	IN2015MN01262	20150519
JP2016502634 T2	20160128	JP20150540639T	20131101
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KR101676589 B1	20161115	KR20157014568	20131101
KR20150082431 A	20150715	KR20157014526	20131101
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NZ708355 A	20170630	NZ20130708355	20131101
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SG11201503208T A1	20150528	SG20151103208	20131101	
TH156985 A	20161004	TH20151002412	20131101	
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US2015292809 AA	20151015	US20130439760	20131101	
US2015292810 AA	20151015	US20130439786	20131101	
US9518787 BB	20161213	US20130439786	20131101	
US9657998 BB	20170523	US20130439760	20131101	
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WO14070098 A1	20140508	WO2013SE51283	20131101	
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Probable Assignee: SKANSKA SVERIGE AB

Assignee(s):(std)**:** HANS PILEBRO ; PILEBRO HANS ; RASMUS VESTIN ; SKANSKA SVERGIE AB ; SKANSKA SVERIGE AB ; STRAND TOBIAS ; VESTIN RASMUS ; TOBIAS STRAND

Inventor(s):(std)**:** HANS PILEBRO ; PILEBRO HANS ; PILEBRO KHANS ; RASMUS VESTIN ; SHTRAND TOBIAS ; STRAND TOBIAS ; TOBIAS STRAND ; VESTIN RASMUS

Agent(s): WRAYS PTY LTD; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; JOHANSSON AND LANGLOIS LTDA; MANNESSON JULIA EMILIA SILVIA; GEORGE WIDJOJO; GEORGE WIDJOJO AND PARTNERS; WEBB AND CO; ONDA MAKOTO; ONDA HIRONORI; KAGAN BINDER PLLC; AWAPATENT AB

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** B65G B65G5/00 E04H1/00 F24D11/00 F24D17/00 F24D19/10 F24D3/08 F24H1/20 F24H4/04 F25B1/10 F25B30/06 F28D F28D17/00 F28D20/00 (Advanced/Invention); B65G5/00 F24H4/04 F28D20/00 (Core/Invention); B65G F17C F24H F28D (Subclass/Invention)

CPC: B65G5/00 Y02E60/145 F28D20/0034 F28D20/0039 F24D3/08 F24D19/1066 F24D2200/11 F28D20/0052 F28D2020/0069 Y02E60/142 F24D2200/123 Y02B10/40 F28D20/00 Y02E70/30 Y02P80/15

US class: 165/10

Classification Explorer

Cited documents: WO9614544 A1, WO8300526 A1, WO201116768, WO13173709 A1, WO12168352 A1, WO1116768, WO11116736 A1, WO11016768 A2, WO10045011 A2, WO07065001 A2, US9181931 BB, US9091460 BB, US9080441 BB, US9028171 BA, US8931553 BB, US8770284 BB, US8596355 BB, US8595998 BB, US8322092 BB, US7753122 BB, US7228908 BB, US7007501 BB, US6701914 BB, US6668554 BA, US6379146 BA, US6367566 BA, US6247313 BA, US6199515 BA, US6138614 A, US6098705 A, US5941238 A, US5937934 A, US5937663 A, US5678626 A, US5620049 A, US5545803 A, US5507149 A, US5355688 A, US5088471 A, US5085276 A, US5074360 A, US4977961 A, US4974675 A, US4912941 A, US4867241 A, US4723604 A, US4693301 A, US4674476 A, US4671351 A, US4652181 A, US4642987 A, US4633948 A, US4632604 A, US4607488 A, US4577679 A, US4566527 A, US4554797 A, US4522254 A, US4510920 A, US4505322 A, US4498454 A, US4479541 A, US4476932 A, US4462463 A, US4448237 A, US4440148 A, US4418549 A, US4415034 A, US4402188 A, US4401162 A, US4399656 A, US4399656, US4392531 A, US4392351 A, US4375157 A, US4363563 A, US4361135 A, US4351651 A, US4345652 A, US4297847 A, US4291751 A, US4290266 A, US4286574 A, US4286141 A, US4271681 A, US4241724 A, US4235221 A, US4234037 A, US4223729 A, US4219074 A, US4211613 A, US4210201 A, US4201060 A, US4200152 A, US4194856 A, US4174009 A, US4157730 A, US4149389 A, US4147204 A, US4143816 A, US4139056 A, US4137720 A, US4121429 A, US4079590 A, US4078904 A, US4060988 A, US4047093 A, US4044830 A, US4031952 A, US4030549 A, US4008709 A, US3991817 A, US3986362 A, US3986339 A, US3967675 A, US3965972 A, US3957108 A, US3943722 A, US3939356 A, US3931851 A, US3923248 A, US3921405 A, US3878884 A, US3864208 A,

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DE10039581 A1, DD130466 Z, CN102762948 A, CN102607208 A, CN102483311 A, CN102459824 A, CN102077050 A, CA2413819 AA,

Forward Citations: WO16126198, US9657998, US9518787, US2015354903, US2015276325,

Abstract:
Source: US2015292809A The invention relates to a method for operating an arrangement (1) for storing thermal energy. The arrangement (1) comprises an energy storage (2) having a temperature gradient. The method comprises retrieving energy of a first temperature (T1) from the energy storage (2) for use in a first heat−absorbing system (3), such that free space is created in the energy storage (2) for energy of a second temperature (T2). The second temperature (T2) is higher than the first temperature (T1).

0) US2005268639A – VARIABLE FLOW WATER DISPENSER FOR REFRIGERATOR ...

18) Family number: 32471043 (US2005268639A) © PatBase

Title: VARIABLE FLOW WATER DISPENSER FOR REFRIGERATOR FREEZERS

Priority: US20040861569 20040604 US20070690184 20070323

Family:

Publication number	Publication date	Application number	Application date
AU2005202419 AA	20051222	AU20050202419	20050603
BRPI0502220 A	20060124	BR2005PI02220	20050603
CN100443836 C	20081217	CN200510075485	20050602
CN1707206 A	20051214	CN200510075485	20050602
DE602005001581 D1	20070823	DE200560001581T	20050526
DE602005001581 T2	20071122	DE200560001581T	20050526
EP1602622 A1	20051207	EP20050104507	20050526
EP1602622 B1	20070711	EP20050104507	20050526
IN01326DE2005 A	20070810	IN2005DE01326	20050524
KR20060048155 A	20060518	KR20050047607	20050603
MXPA05005861 A1	20051207	MX2005PA05861	20050601
NZ540521 A	20070126	NZ20050540521	20050602
US2005268639 AA	20051208	US20040861569	20040604
US2007175919 AA	20070802	US20070690184	20070323
US7210601 BB	20070501	US20040861569	20040604
US7591399 BB	20090922	US20070690184	20070323

Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** BOARMAN PATRICK J ; FISCHER MARCUS R ; HARMON DARYL L ; HORTIN GREGORY G ; KICKLIGHTER BRADLEY L ; VOGLEWEDE RONALD L ; WHIRLPOOL CO ; WILSON GARY W SR ; WHIRLPOOL CORP

Assignee(s): WHIRPOOL CORP

Inventor(s):(std)**:** BOARMAN ; BOARMAN PATRICK J ; BRADLEY L KICKLIGHTER ; FISCHER ; FISCHER MARCUS R ; HARMON ; HARMON DARY L ; HARMON DARYL L ; HORTIN ; HORTIN GREGORY G ; HORTIN GREGORY G VOGLEWEDE RON ; KICKLIGHTER ; KICKLIGHTER BRADLEY ; KICKLIGHTER BRADLEY L ; VOGLEWEDE ; VOGLEWEDE RONALD L ; WILSON ; WILSON SR GARY W ; RONALD L VOGLEWEDE ; PATRICK J BOARMAN ; MARCUS R FISCHER ; GREGORY G HORTIN ; GARY W WILSON ; DARYL L HARMON ; WILSON GARY W ; WILSON GARY W SR

Inventor(s): WILSON GARY WSR ; VOGLEWEDE RONALD ; SR GARY W ; HORTIN GREGORY ; FISCHER MARCUS ; BOARMAN PATRICK ; WILSON GARY ; PATRICK J BOERMON ; HORTIN GREGORY G VOGLEWEDE RONALD L FISCHER MARCUS ; HARMON DARYL ; GARY W WILSON SR ; DARY L HARMON

Agent(s): PHILLIPS ORMONDE FITZPATRICK; WHIRLPOOL PATENTS COMPANY – MD 0750, SUITE 102; WHIRLPOOL PATENTS CO MD 0750 SUITE 102; WHIRLPOOL PATENTS CO MD 0750; JOHN F; STEPHEN; ROBERT O; KIRK W; ROBERT L; MICHAEL D

Designated states: DE FR GB IT

International class(IPC 8–9)**:** B65D35/56 B67D1/00 B67D5/06 B67D5/08 B67D5/30 B67D5/62 B67D7/06 B67D7/08 B67D7/30 B67D7/80 F25C1/22 F25C5/00 F25D11/00 F25D23/00 F25D23/02 F25D23/12 F25D25/00 G05D7/06 (Advanced/Invention); F25D11/00 F25D23/00 F25D23/02 F25D25/00 (Advanced/Non–invention); B65D35/00 B67D1/00 B67D7/06 B67D7/08 B67D7/80 F25C1/22 F25C5/00 F25D11/00 F25D23/00 F25D23/02 F25D23/12 F25D25/00 G05D7/06 (Core/Invention)

International class(IPC 1–7)**:** B67D1/00 B67D1/08 B67D3/00 B67D5/00 F16K17/26 F16K24/00 F25C1/22 F25C5/00 F25D21/00 F25D23/00 F25D23/12

CPC: F25D23/126 F25D2323/122 B67D1/0009 B67D2210/00036 F25D25/00 F25D11/00 F25D23/00 F25D23/02

European class: B67D1/00E4 L67D210/00D2B2

US class: 222/105 222/105S 222/129.1 222/14 222/144.5 222/146.6 222/14S 222/52 222/64 222/64P 62/389 62/389P 62/389S

Classification Explorer

Cited documents: USRE33943 E, US7210601 BB, US7168592 BB, US6766656 BA, US6751525 BA, US6532758 BB, US6460367 BA, US6425425 BB, US6355177 BB, US6159161 A, US6101835 A, US5971213 A, US5956967 A, US5894738 A, US5881930 A, US5875930 A, US5855120 A, US5842603 A, US5813246 A, US5737932 A, US5683015 A, US5492250 A, US5490547 A, US5297400 A, US5269154 A, US5050777 A, US4800935 A, US4703770 A, US4551868 A, US3969909 A, US3684191 A, US3635405 A, US3524591 A, US3321140 A, US20030308, US20030018, US2002096579 AA, US2001030201 AA, EP1139045 A2, EP1120614 A1, EP0779485 A2,

Forward Citations: WO13054277, WO13054277, WO12006831, WO11019202, WO11019202, WO11000072, WO09006691, WO08017419, WO08017419, WO07103166, WO06108665, WO06108665, US9683771, US9663343, US9656880, US9499384, US9441624, US9383134, US9335088, US9297574, US9267732, US9212840, US9170040, US9149745, US9126818, US9068770, US9057556, US9049962, US8720221, US8668291, US8646285, US8627679, US8607585, US8464903, US8424545, US8364321, US8327889, US8322384, US8245735, US8196419, US8151596, US8083104, US8000907, US7861551, US7841198, US7757732, US7673661, US7621217, US7591399, US7442297, US7333899, US2015329347, US2015225225, US2015197417, US2015037170, US2014263066, US2014251498, US2014166784, US2014021227, US2013327068, US2013047658, US2012216560, US2012111049, US2012111031, US2011308269, US2011302935, US2011214441, US2011030412, US2010308073, US2010307184, US2010276443, US2010218525, US2010204832, US2010155415, US2010138053, US2010071401, US2009314801, US2009199879, US2009183796, US2009139258, US2009126176, US2008264092, US2008228318, US2008210113, US2008184730, US2008156008, US2008148840, US2008016900, US2007204646, US2007175919, US2006191829, US2006080050, KR101096994, JP2013501206, EP2407739, EP2331895, EP2331895, EP2207459, EP1890097, EP1795840, DE102006002445, CN103868318, CN102472548, CN102472548, AU2010283082, AU2008274898,

Abstract:
Source: US2005268639A A variable flow rate water dispenser mounted on a refrigerator door is provided that can dispense water at user selected flow rates. The water dispenser includes a nozzle for dispensing water from a dispenser housing on a refrigerator door and a user adjustable flow control. The user adjustable flow control can include a variable flow rate water valve or a plurality of water valves that can have different flow rates and can be operated separately or in combination to provide different flow rates. The user adjustable flow control can alternately include a variable flow pump for controlling flow of water to the nozzle at a user selected flow rate. The refrigerator can include a reservoir inside or outside the refrigerator. The reservoir can be connected to a source of water and automatically filled or can be manually filled. The nozzle can include a flow straightener or aerator to minimize splashing.

0) US2006186685A – TAILGATE EXTENDER SYSTEMS

19) Family number: 33254430 (US2006186685A) © PatBase

Title: TAILGATE EXTENDER SYSTEMS

Priority: US20050656314P 20050224 US20050713950P 20050901 US20060361219 20060223 US20060762166P 20060124 US20060855008P 20061027 US20070626338 20070123 WO2006US06721 20060224 US20070940562P 20070529 US20080129601 20080529

Family:

Publication number	Publication date	Application number	Application date
AU2006216456 AA	20060831	AU20060216456	20060224
CN100515854 C	20090722	CN200680006051	20060224
CN101132948 A	20080227	CN200680006051	20060224
US2006186685 AA	20060824	US20060361219	20060223
US2007262602 AA	20071115	US20070626338	20070123
US2008231067 AA	20080925	US20080129601	20080529
US7182380 BB	20070227	US20060361219	20060223
WO06091878 A2	20060831	WO2006US06721	20060224
WO06091878 A3	20070201	WO2006US06721	20060224
WO07087573 A2	20070802	WO2007US60993	20070124
WO07087573 A3	20080327	WO2007US60993	20070124

Probable Assignee: RICK NAGLE

Assignee(s):(std)**:** NAGLE RICK ; NAGLE RICK A

Assignee(s): RICK NAGLE

Inventor(s):(std)**:** NAGLE RICK A

Inventor(s): NAGLE RICK

Agent(s): FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; STONEMAN LAW OFFICES LTD; STONEMAN VOLK PATENT GROUP; MARTIN L

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B60N3/12 B60P3/34 B62D25/00 B62D33/023 B62D33/03 B62D33/037 (Advanced/Invention); B60N3/00 B60P3/32 B62D25/00 B62D33/02 (Core/Invention)

CPC: B60P1/435 B60P3/07 B60P3/122 B60P3/341 B60P3/36 B60P3/40 B62D33/0273

European class: B60P1/43E B60P3/07 B60P3/12A B60P3/34B B60P3/36 B60P3/40 B62D33/027A

US class: 296/26.11 296/50 296/51 296/57.1 296/571

Classification Explorer

Cited documents: USD485800 S1, US7059648 BB, US7055879 BB, US7021689 BA, US6994389 BA, US6994363 BB, US6991277 BA, US6988759 BB, US6988756 BA, US6983972 BB, US6964444 BB, US6957840 BA, US6942268 BB, US6935671 BB, US6932404 BB, US6923488 BB, US6921492 BB, US6918624 BB, US6908134 BA, US6857680 BB, US6811067 BB, US6746066 BB, US6742822 BB, US6739639 BA, US6712568 BB, US6698810 BA, US6641190 BB, US6634689 BA, US6631938 BA, US6550841 BA, US6484344 BA, US6454338 BA, US6422627 BA, US6422342 BA, US6378926 BA, US6364392 BA, US6364391 BA, US6340190 BA, US6279980 BA, US6193294 BA, US6149219 A, US6142548 A, US6082801 A, US6045172 A, US6019410 A, US6007127 A, US5997066 A, US5988725 A, US5975608 A, US5941588 A, US5924753 A, US5918925 A, US5902000 A, US5868449 A, US5857724 A, US5853116 A, US5826932 A, US5820193 A, US5816638 A, US5816637 A, US5803523 A, US5788311 A, US5775759 A, US5741039 A, US5732995 A, US5658033 A, US5597195 A, US5478130 A, US5468038 A, US5468037 A, US5273335 A, US5244335 A, US5211437 A,

US4923360 A, US4864673 A, US4639032 A, US4531773 A, US4472639 A, US2729499 A, US2603529 A, US2007006867 AA, US2006290158 AA, US2006145505 AA, US2005088848 AA, US2004227368 AA, US2004219004 AA, US2002140244 AA, US2002121794 AA, US2002006317 AA, US2002000732 AA,

Forward Citations: WO16014966, WO14031879, WO13043216, USD651820, US9688312, US9670013, US9616795, US9586514, US9487247, US9481316, US9452793, US9352790, US9308947, US8894123, US8864208, US8783156, US8727415, US8468927, US8196988, US8109552, US7976089, US7677626, US7673922, US7658427, US7625031, US7571947, US7458624, US7401833, US2016280122, US2016137117, US2016065883, US2015200524, US2015102624, US2015008693, US2013300143, US2012325877, US2012155099, US2011271878, US2010308294, US2009309381, US2009236870, US2009102216, US2009096243, US2009026197, US2008309110, US2008284194, US2008100084, US2008048465, US2007228761, DE102010010199, DE102010010199,

Abstract:
Source: US2006186685A A tailgate extender system is provided having telescoping supports, which stores entirely within a storage compartment in the tailgate, and which extends directly perpendicular to the tailgate surface for use. The telescoping supports are hingedly connected to the tailgate within the storage compartment and are slidingly connected to the top rail of the tailgate extender. Further, a cargo netting system that retracts into the tailgate extender top rail is provided.

0) US2006218961A – REFRIGERATOR

20) Family number: 32833185 (US2006218961A) © PatBase

Title: REFRIGERATOR

Priority:

GB20050018992	20040326	JP20060507773	20040326	KR20030019727	20030328
JP20100152076	20040326	KR20030019732	20030328	KR20030019726	20030328
US20080030570	20080213	US20080030546	20080213	US20080116019	20080506
US20080116058	20080506	US20050549394	20050920	US20050549934	20050920
US20040549934	20040326	KR20030019733	20030328	US20080117331	20080508
US20080117413	20080508	US20080125246	20080522	US20080125117	20080522
US20080125127	20080522	US20080125275	20080522	US20080125112	20080522
US20080125110	20080522	US20080125098	20080522	US20090362591	20090130
WO2004KR00692	20040326	US20110094148	20110426	US20110094254	20110426
US20110004291	20110111	WO2004KR00692	20061130	WO2004KR00692	20050905

Family:

Publication number	Publication date	Application number	Application date
AU2004223515 AA	20041007	AU20040223515	20040326
AU2004223515 BB	20091210	AU20040223515	20040326
DE112004000513 T5	20060126	DE200411000513	20040326
GB200518992 A0	20051026	GB20050018992	20040326
GB200610760 A0	20060712	GB20060010760	20040326
GB200611048 A0	20060712	GB20060011048	20040326
GB200611145 A0	20060719	GB20060011145	20040326
GB2416024 A1	20060111	GB20050018992	20040326
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Probable Assignee: LG ELECTRONICS INC

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Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; WOORIN PATENT FIRM; BIRCH STEWART KOLASCH AND BIRCH; FISH AND RICHARDSON PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47B88/00 A47B96/00 A47B96/04 B23P19/04 B67D1/08 B67D5/62 B67D7/80 F17D1/00 F25B1/00 F25B39/02 F25C1/00 F25C1/02 F25C1/04 F25C1/12 F25C1/24 F25C5/00 F25C5/18 F25D11/02 F25D17/00 F25D17/08 F25D19/00 F25D23/02 F25D23/04 F25D23/12 F25D25/00 F25D25/02 (Advanced/Invention); F25C5/00 F25D11/02 F25D23/02 (Advanced/Non–invention); A47B88/00 A47B96/00 B23P19/04 F17D1/00 F25B1/00 F25B39/02 F25C1/12 F25C5/00 F25D11/02 F25D17/00 F25D25/02 (Core/Invention)

International class (IPC 1–7): F25D11/02

CPC: F25D25/025 F25C1/24 B67D1/0858 F25C1/04 F25C5/005 F25C5/185 F25C2400/10 F25C2400/14 F25C2500/02 F25D11/022 F25D23/02 F25D23/126 F25D2323/021 F25D2400/06 Y10S277/921 Y10T29/53 Y10T137/0318 F25D11/02

European class: B67D1/08D2 F25C1/04 F25C1/24 F25C5/00B2 F25C5/18B2 F25D11/02B F25D23/12B F25D25/02C2 R25C400/10 R25C400/14 R25C5/00B2 R25C500/02 R25D23/02 R25D323/021 R25D400/06

US class: 137/1 137/1S 222/146.6 222/146.600S 277/921 29/700 29/700S 312/330.1 312/330.100S 312/404 312/404P 312/404S 312/405 312/405P 312/405S 312/408 312/408S 49/368 62/190 62/190S 62/338 62/338P 62/340 62/340P 62/340S 62/344 62/344P 62/344S 62/347 62/347P 62/353 62/389 62/389S 62/441 62/441S 62/447 62/447P 62/447S 62/498 62/498S 62/515 62/515P 62/66 62/66P 62/71 62/74 623/44

Classification Explorer

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Forward Citations: WO14189476, WO11093567, WO08007916, WO07142446, USD712440, USD549745, US9683771, US9683770, US9683769, US9677802, US9664432, US9625203, US9618250, US9599386, US9593870, US9562714, US9557091, US9528736, US9506682, US9494362, US9476627, US9448003, US9447999, US9417001, US9404682, US9360239, US9291386, US9285151, US9267724, US9255728, US9250004, US9222718, US9222717, US9222716, US9217599, US9207009, US9200827, US9134063, US9115924, US9097455, US8978406, US8966926, US8938985, US8905501, US8850843, US8850842, US8850841, US8844311, US8844309, US8800315, US8794026, US8794024, US8776544, US8756952, US8733123, US8720221, US8707728, US8695370, US8677778, US8677776, US8627679, US8601830, US8584474, US8578721, US8511106, US8484987, US8418496, US8353177, US8336975, US8336331, US8220886, US8162421, US8151595, US8146379, US8117863, US8028534, US7980089, US7900465, US7895859, US7891198, US7886500, US7870754, US7866773, US7866182, US7762098, US7726148, US7707847, US7703298, US7703297, US7677055, US7673470, US7654105, US7637119, US7631514, US7624591, US7617698, US7617634, US7607312, US7594413, US7591141, US7587910, US7568359, US7568357, US7568354, US7552594, US7549297, US7458229, US7418831, US7418830, US7406833, US7392665, US7386992, US7340914, US7337620, US7287397, US7284392, US7284390, US7266973, US7266957, US7228702, US7219509, US7185507, US2016370070, US2016370050, US2016131414, US2015338149, US2015330704, US2015219384, US2014216096, US2012324940, US2012229010, US2012111048, US2012042671, US2012023986, US2012011877, US2012006047, US2011252816, US2011219789, US2011162406, US2011094255, US2011083464, US2011000238, US2010326102, US2010287971, US2010229592, US2010218543, US2010218542, US2010218540, US2010218535, US2010218526, US2010218520, US2010218518, US2010126204, US2010101257, US2010095692, US2010043479, US2010030383, US2010000249, US2009266090, US2009260371, US2009229297, US2009208630, US2009145158, US2009038331, US2008211368, US2008202149, US2007186576, US2006260345, KR101403754, KR101377152, KR101347002, KR101050303, KR100758325, JP2014043981, JP2012233688, JP2010281501, JP2010065962, EP1653179, DE102009042114, CN103994624, CN103994624, CN103134261, CN103134261, CN102575891, CN102575891, CN102378885, CN102378885, AU2014200864, AU2007273349, AU2007255635,

Abstract:
Source: US2006218961A In the related art refrigerator, its structure for supplying water to a dispenser and water tank was complicated. In addition, since an icemaker is installed in a refrigerating chamber of the refrigerator, there is a problem in that the water supplied into the icemaker is frozen. Furthermore, if the icemaker is installed in the freezing chamber of the refrigerator in which the refrigerating chamber is formed at a lower portion thereof and a refrigerating chamber is formed at an upper portion thereof, there is another problem in that it is difficult to control the temperature in the refrigerating chamber or ice−making capability of the icemaker is lowered. The present invention is directed to a refrigerator. According to an aspect of the present invention for solving the above problems, there is provided a refrigerator including a refrigerating chamber formed at a relatively upper portion of a refrigerator body and a freezing chamber formed at a relatively lower portion of the refrigerator body, which comprises an ice−making chamber which is partitioned in the refrigerating chamber by means of insulating walls and includes an icemaker for making ice and an ice storage for storing the ice made in the icemaker, a first heat exchanger for generating cold air to regulate the temperature in the ice−making chamber, and a second heat

exchanger for generating cold air to regulate the temperature in the freezing and refrigerating chambers, wherein the first and second heat exchanger are components of a heat exchange cycle. According to the refrigerator of the present invention so configured, there are advantages in that the temperature in the refrigerating chamber can be accurately controlled, the loss of cold air can be minimized and the structures for supplying water into the icemaker and the dispenser can be simplified.

0) US2002104271A – MODULAR PATIENT ROOM

21) Family number: 28274374 (US2002104271A) © PatBase

Title: MODULAR PATIENT ROOM

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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Agent(s): MACRAE AND CO; ISSHIKI AND CO; BARNES AND THORNBURG; BARNES AND THORNBURG LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): A47B23/04 A47C21/04 A47C21/08 A47C31/00 A47F10/00 A61F7/00 A61G1/02 A61G10/00 A61G12/00 A61G13/00 A61G7/00 A61G7/005 A61G7/02 A61G7/05 A61G7/06 A61G7/10 A61G7/14 A61G9/02 A61M1/00 A61M5/14 B65B1/04 E03C1/01 E04B2/74 E04C2/52 E04F19/00 E04H1/00 E04H14/00 E04H3/08 G05D7/06 G06F19/00 (Advanced/Invention);

A61G7/00 A61G7/015 A61G7/018 A61G7/053 A61M1/00 A61M16/00 G06F19/00 H01R13/00 H01R13/631 (Advanced/Non-invention); A61G10/00 A61G12/00 A61G13/00 A61G7/00 A61G7/02 A61G7/05 A61G9/00 A61M1/00 A61M5/14 B65B1/04 E04B2/74 E04F19/00 E04H3/08 G06F19/00 (Core/Invention); A61G7/002 A61G7/05 A61M1/00 A61M16/00 H01R13/00 H01R13/631 (Core/Non-invention)

International class (IPC 1-7): A47B23/04 A47C31/00 A47F10/00 A47K4/00 A61F7/00 A61G1/02 A61G10/00 A61G12/00 A61G13/00 A61G7/00 A61G7/02 A61G7/05 A61G7/10 A61G9/02 A61M1/00 A61M5/14 E03C1/01 E04B1/32 E04B2/74 E04F19/00 E04H1/00 E04H3/08 G05D7/06 H02G3/10 H03G1/00

CPC: A61G12/004 A61G1/0237 G06F19/322 G06F19/3418 G06F19/3468 G06F19/3481 A61G1/0212 A61G1/00 A61G1/0293 A61G1/04 A61G7/012 A61G7/05 A61G7/0507 A61G7/10 A61G7/1044 A61G2200/32 A61G2200/34 A61G2203/80 A61G12/005 A61G12/008 A61G12/007 A61G2203/44 A61G2203/46 A61G7/0509 A61G7/0513 A61G7/0514 A61G7/0524 A61G7/051 A61G7/00 A61G7/0005 A61G7/0015 A61G7/015 A61G7/018 A61G7/02 A61G7/0503 A61G7/053 A61G9/02 A61G10/00 A61G12/001 A61G12/002 A61G13/107 A61G13/108 A61G2205/00 A61M1/0013 A61M5/1415 A61M16/00 A61M2209/082 A61M2209/084 E04B2/745 E04B2002/7483 E04B2002/7488 G06F19/327 G06F19/3406 H01R13/005 H01R13/6315 H01R2201/12 A61G12/00 E04B2/74 E04B2/7448 E04H3/08 A61M16/107

European class: A61G1/00 A61G1/02 A61G1/02P A61G1/04 A61G1/06B A61G10/00 A61G12/00 A61G12/00S A61G13/10R A61G7/00 A61G7/00B A61G7/012 A61G7/018 A61G7/02 A61G7/05 A61G7/05H A61G7/05S A61G7/10 A61G7/10S4 A61G9/02 A61M5/14R2 E04B2/74 E04B2/74C4 E04B2/74C4B E04H3/08 G06F19/00A G06F19/32C G06F19/34A G06F19/34N K61G10/00 K61G12/00B K61G13/10V K61G200/32 K61G200/34 K61G203/80 K61G205/00 K61G7/00B K61G7/00E K61G7/015 K61G7/018 K61G7/053 K61G7/05S14 K61G7/05S2A K61G7/05S2B K61G7/05S4A K61G7/05S4A2 K61G9/02 K61M1/00A6 K61M16/00 K61M209/08A K61M209/08B P04B2/74P P04B2/74R S06F19/32G S06F19/34A S06F19/34C S06F19/34L3 T01R13/00C T01R13/631B T01R201/12

US class: 108/49 141/18 174/49 248/317 248/447.2 312/209 312/245 312/249.7 312/297 312/306 312/313 4/300.2 4/638 4/638S 4/643 4/664 4/664P 5/421 5/421S 5/424 5/425 5/426 5/428 5/43 5/430 5/430S 5/503.1 5/507.1 5/507.100S 5/600 5/600P 5/600S 5/601 5/611 5/613 5/620 5/658 5/658P 5/658S 5/81.1 5/81.10R 5/81.10RP 5/81.1R 5/83.1 5/86.1 5/86.100P 52/220.1 52/220.100S 52/220.2 52/220.200S 52/220.7 52/220.8 52/27 52/27.5 52/270 52/270S 52/27P 52/27S 52/284 52/284S 52/29 52/34 52/35 52/36.1 52/36.100P 52/36.2 52/36.4 52/36.400P 52/36.5 52/36.500P 52/64 52/69 52/79.1 52/79.100S 52/80.1 52/80.100S 55/71 56/11 56/13 56/20 56/58 607/104

Classification Explorer

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Forward Citations: WO17037612, WO13130871, WO12140136, WO12122002, WO12100219, WO12035560, WO11139247, WO11066001, WO10096179, WO09152326, WO09152326, WO09022320, WO09018422, WO08127868, WO08012187, WO08011221, WO07054921, WO07054921, WO06093841, WO05120301, WO05120301, WO05120300, WO05120300, WO05120298, WO05120298, WO04082554, WO04082554, WO04082553, WO04081746, WO04081746, USD785360, USD778653, USD775345, USD758777, USD758776, USD758115, USD736023, USD733452, USD710025, USD656237, USD645158, USD641494, USD610832, USD592422, USD561910, USD528216, US9719251, US9717844, US9717344, US9702483, US9700149, US9700134, US9682134, US9655797, US9642967, US9642759, US9635941, US9629473, US9628597, US9622570, US9607722, US9598782, US9597053, US9588550, US9566443, US9539155, US9526665, US9526346, US9492340, US9486374, US9480615, US9463126, US9455561, US9451833, US9433546, US9421312, US9408996, US9398771, US9389643, US9387297, US9342787, US9310088, US9306322, US9301652, US9299468, US9299467, US9295338, US9280743, US9276523, US9271795, US9271569, US9259371, US9241850, US9237979, US9237814, US9226593, US9222255, US9173797, US9173794, US9173793, US9167968, US9128474, US9127470, US9123449, US9114203, US9103134, US9084516, US9072381, US9044366, US9044365, US9031673, US9027182, US9016023, US9010709, US9010031, US9009893, US8955261, US8955260, US8940152, US8934226, US8926535, US8914924, US8909357, US8909320, US8869328, US8851017, US8831983, US8820002, US8800243, US8776446, US8776445, US8752979, US8745786, US8733719, US8732875, US8713727, US8708352, US8707630, US8695284, US8692213, US8683750, US8682457, US8678334, US8677996, US8677535, US8677528, US8667742, US8640391, US8621787, US8621688, US8615933, US8596021, US8565934, US8561226, US8539949, US8538903, US8532938, US8526176, US8522488, US8516637, US8511306, US8499503, US8494999, US8474921, US8474193, US8465629, US8458962, US8458961, US8453643, US8453283, US8441782, US8424130, US8418692, US8418287, US8381668, US8375646, US8375488, US8371912, US8353288, US8340944, US8336138, US8333038, US8328260, US8327589, US8317674, US8307591, US8297028, US8273008, US8258973, US8240092, US8216184, US8216181, US8215065, US8146975, US8146191, US8141499, US8141188, US8122540, US8104729, US8100061, US8096005, US8087735, US8069512, US8068991, US8056162, US8051610, US8047484, US8042869, US8011039, US8006440, US8000981, US7990691, US7975333, US7974856, US7949567, US7931321, US7927787, US7921489, US7920061, US7912754, US7893876, US7884735, US7878809, US7865983, US7865982, US7862534, US7857354, US7849978, US7845601, US7827631, US7827042, US7798456, US7791866, US7775000, US7770934, US7770860, US7770247, US7748672, US7736002, US7735788, US7735266, US7698765, US7676865, US7661641, US7636966, US7612999, US7600280, US7600277, US7581708, US7552071, US7537030, US7495247, US7430771, US7421747, US7392621, US7278615, US7263501, US7254850, US7243386, US7216382, US7204714, US7200882, US7174678, US7158863, US7090180, US7090180, US7090179, US7083150, US7073765, US7065812, US7065811, US7054149, US7054149, US7009840, US6926239, US6895715, US6820375, US6658680, US2017093100, US2017035634, US2016348360, US2016136356, US2016136018, US2015327379, US2015296983, US2015216622, US2015167333, US2015135438, US2015089890, US2015075085, US2015033642, US2014323816, US2014290151, US2014245531, US2014244410, US2014174019,

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Abstract:
Source: US2002104271A A modular patient room includes a plurality of modular wall panels or units having various configurations. In some embodiments, the modular wall units have water dispensers. Headwall units having water dispensers are also disclosed. The water dispensers are configured to filter water or to sterilize water.

22) Family number: 34278818 (US2008228318A) © PatBase

Title: DEVICE AND METHOD OF CONTROLLING DISPENSER FOR REFRIGERATOR

Priority:

AU20070297985 20070920 AU20100230080 20101013 AU20100230082 20101013
EP20070808395 20070920 CN200780034715 20070920 EP20100179012 20070920
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Family:

Publication number	Publication date	Application number	Application date
AU2007293834 AA	20080313	AU20070293834	20070904
AU2007293834 BB	20100520	AU20070293834	20070904
AU2007297985 AA	20080327	AU20070297985	20070920
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US8646285 BB	20140211	US20070439920	20070904	
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WO08035942 A2	20080327	WO2007KR04617	20070920	
WO08035942 A3	20080703	WO2007KR04617	20070920	

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Inventor(s):(std)**:** AHN MI SON ; AHN MI SOON ; CHANG WOO SONG ; CHOI KYUNG AH ; JIN SUG ROO ; KI CHEOL WOO ; KYUNG AH CHOI ; MI SOON AHN ; PARK YOUNG SHIN ; PARK YOUNG SIN ; ROO JIN SUG ; SONG CHANG WOO ; WOO KI CHEOL ; YOUNG SHIN PARK

Inventor(s): WOO KI CHEOL 631 150 ; WOO KI CHEOL MASAN SHI ; MI SON AHN

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; BEETZ AND PARTNER MBB; SPLANEMANN PATENTANWAELTE PARTNERSCHAFT; PALMER JONATHAN R ET AL; BOULT WADE TENNANT; PALMER JONATHAN R; UNGRIA JAVIER; BIRCH STEWART KOLASCH AND BIRCH; BIRCH STEWART KOLASCH AND BIRCH LLP; PARK JANG WON; LEE KWANG YEON

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B67D1/00 B67D5/06 B67D5/62 B67D7/06 B67D7/80 F25C1/00 F25C1/04 F25C1/24 F25C5/00 F25C5/02 F25C5/18 F25D11/00 F25D11/02 F25D23/00 F25D23/12 F25D25/00 F25D27/00 F25D29/00 G01F1/66 G01F23/292 G01F3/00 G05B15/00 G06F17/00 (Advanced/Invention); F25C1/24 F25C5/02 F25D11/00 F25D23/00 F25D25/00 F25D29/00 (Advanced/Non–invention); B67D7/06 B67D7/80 F25C1/00 F25C1/04 F25C1/22 F25C5/00 F25D11/00 F25D11/02 F25D23/00 F25D25/00 F25D27/00 F25D29/00 G05B15/00 G06F17/00 (Core/Invention)

CPC: F25C5/187 F25C2400/10 F25C2600/04 F25D2400/361 F25C2700/02 F25D2400/36 G01F1/661 G01F3/00 G01F23/2921 B67D1/0005 B67D3/0025 F25D23/126 F25C5/005 F25D29/00 F25D23/12 F25C1/24 F25D23/028 F25D29/008 F25D2323/023 B67D2001/0088 F25D23/04 F25D25/00 F25C5/02 F25C5/00 F25D11/02 B67D1/1202

European class: F25C5/00B2 F25C5/18B4 F25D23/12B F25D29/00 G01F1/66A G01F23/292B G01F3/00 R25C400/10 R25C600/04 R25C700/02 R25D400/36 R25D400/361

US class: 221/12 222/146.6 222/23 62/137 62/137P 62/137S 62/264 62/264S 62/344 62/344S 62/389 700/231 700/275 700/275P

Classification Explorer

Cited documents: US7921667 BB, US7543453 BB, US7325408 BB, US732408 A, US7210601 BB, US7201005 BB, US6581392 BA, US6439428 BA, US6381975 BA, US6314745 BA, US6176099 BA, US6176099 B1, US6062036 A, US6050097 A, US5855120 A, US5671606 A, US5501367 A, US5429269 A, US5291752 A, US5050777 A, US5033273 A, US4822996 A, US3744679 A, US3635043 A, US3441176 A, US2779165 A, US2008228318 AA, US2006196214 AA, US2006064994 AA, US2005044874 AA, US2004102568 AA, US2004053700 AA, US2003110952 AA, US2003089120 AA, US2003019236 AA, US2002020711 AA, KR990065602 B1, KR20040102568 A, KR20040053700 A, KR200347071 Y1, KR200347071, KR200338113 Y1, KR200338113, KR20000034724 A, KR19990065602 B1, KR19990065602 A, KR1020000034724, KR1019990065602, KR100408573 B1, KR100332757 B1, KR100201408 B1, KR100201408, KR100162443 B1, KR100162443 B1, KR0162443 B1, JP8106575 A2, JP6137736 A2, JP2676316 B2, JP2005225514 A2, JP2003262438 A2, JP2000130902 A2, JP11513475 T2, GB2188724 A1, EP1795840 A2, EP1607700 A2, CN2532434 Y, CN1755306 A, CN1435623, CN1160173, CN1157882 A, CN100356122 C, CN100356122,

Forward Citations: WO13182430, WO12074323, WO12074323, WO11003161, WO10120049, WO10095804, WO09145528, WO09145528, WO09145527, WO09145527, WO09134102, WO09134102,

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Abstract:
Source: US2008228318A The present invention relates to an device and method for controlling a dispenser for a refrigerator. The present invention comprises an input unit including a switch for generating a dispensing−start signal to initiate the dispensing of ice, water or both through the dispenser, a dispensing button for inputting an operation signal to allow ice, water or both to be selectively dispensed through the dispenser, and dispensing amount−setting and dispensing time−setting buttons for inputting an operation signal to set a dispensing time and amount per unit time of ice, water or both through the dispenser, respectively; and a control unit for receiving the dispensing−start signal from the switch and controlling ice, water or both corresponding to the dispensing amount per unit time inputted through the dispensing amount−setting button to be dispensed through the dispenser for the dispensing time inputted through the dispensing time−setting button in response to the operation signal inputted through the dispensing button. According to the present invention, there is an advantage in that ice and/or water can be selectively dispensed more conveniently.

0) US2013048118A – APPARATUS FOR DISPENSING A LIQUID FROM A LIQUID...

23) Family number: 53122590 (US2013048118A) © PatBase

Title: APPARATUS FOR DISPENSING A LIQUID FROM A LIQUID STORAGE CONTAINER

Priority: CA20122844261 20120827 CA20162844261 20161104 US20110373886 20111205 US20110137606 20110829 WO2012IB54389 20120827 US20160388429 20161222

Family:

Publication number	Publication date	Application number	Application date
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WO13030753 A2	20130307	WO2012IB54389	20120827
WO13030753 A3	20130718	WO2012IB54389	20120827

Probable Assignee: CARDOMON INT LTD

Assignee(s):(std)**:** NICKERSON TYLER ; WALTON PHILIP A ; RIVARD DENNIS LAURIER ; VIPOND STEPHEN JAMES ; NICKERSON TYLER W ; RIVARD DENNIS L ; VIPOND STEPHEN J ; NICKERSON TYLER WAYNE ; CARDOMON INT LTD ; CARDOMON INTERNAT LTD

Assignee(s): CARDOMON INTERNATIONAL LIMITED

Inventor(s):(std)**:** DENNIS L RIVARD ; NICKERSON TYLER ; NICKERSON TYLER W ; NICKERSON TYLER W TW ; NICKERSON TYLER WAYNE ; PHILIP A WALTON ; RIVARD DENNIS L ; RIVARD DENNIS L DL ; RIVARD DENNIS LAURIER ; STEPHEN J VIPOND ; TYLER W NICKERSON ; VIPOND STEPHEN J ; VIPOND STEPHEN J SJ ; VIPOND STEPHEN JAMES ; WALTON PHILIP A ; WALTON PHILIP A PA

Agent(s): BULL HOUSSER AND TUPPER LLP; REGEHR HERBERT B; NORTON ROSE FULBRIGHT CANADA LLP; CARLSSON EVA; MEREK BLACKMON AND VOORHEES LLC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B67D1/00 B67D1/07 B67D1/08 B67D1/10 B67D1/12 B67D3/00 B67D7/06 B67D7/62 B67D7/78 B67D7/84 E03B5/00 (Advanced/Invention); B65B3/04 B65D35/28 B65D83/00 B67D7/58 E03B7/07 E03B7/12 (Advanced/Non–invention); B67D (Subclass/Invention)

CPC:

B67D1/0057 B67D1/0861 B67D2001/0812 B67D2210/00034 B65B3/04 B65D35/28 B65D83/00 B67D1/00 B67D7/58 E03B7/077 E03B7/12 B67D1/0016 B67D3/0038 B67D2210/0006 Y10T137/85978 B67D1/07 B67D1/125 B67D1/10 B67D2001/075 B67D1/0801 B67D1/0009 B67D3/00

US class: 137/565.01 141/198 222/110 222/146.6 222/173 222/333 222/380 222/382 222/464.7 222/512 222/67 62/399

Classification Explorer

Cited documents: WO03062131 A1, US7878372 BA, US7669738 BA, US7458388 BB, US7131556 BB, US7111762 BB, US7062937 BA, US6959836 BB, US6868986 BA, US6793099 BA, US6648177 BB, US6444334 BA, US6443334 BA, US6299023 BA, US6101835 A, US5979709 A, US5911341 A, US5673817 A, US5667103 A, US5573142 A, US5505335 A, US5495725 A, US5439145 A, US5361942 A, US5282590 A, US5246141 A, US5240144 A, US5192004 A, US5121857 A, US4958747 A, US4560089 A, US4523903 A, US4484594 A, US4030634 A, US2011215114 AA, US2010252585 AA, US2007278250 AA, US2006226176 AA, US2005072813 AA, US135617 A, US07131556, JP9504496 T2, JP9504496, JP5505348, JP55005348 A2, JP2008509850 T2, JP2008509850, EP1778581 B1, EP0581491 B1, CN101873888 A,

Forward Citations: WO16185307, WO16120702, US9714164, US9527639, US2015360923, CN104643933,

Abstract:
Source: US2013048118A A removable liquid transport assembly configured to be readily installed in and removed from a liquid dispenser to permit the liquid dispenser to be readily sanitized. The removable liquid transport assembly preferably includes a liquid manifold, a valve assembly and a pump head. The removable liquid transport assembly is configured such that liquid can flow in a first direction through the removable liquid transport assembly to permit a liquid to be dispensed from a liquid dispenser and liquid can flow in a second direction back to a liquid storage container to prevent damage to one or more components of the liquid dispenser.

0) US2009229187A – DOUBLE–SIDED DOOR MODULE

24) Family number: 43722895 (US2009229187A) © PatBase

Title: DOUBLE–SIDED DOOR MODULE

Priority:

EP20090250699	20090312	US20060646754	20061228	US20080035775	20080312
US20070770033	20070628	US20060646972	20061228	US20080035774P	20080312
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US20090402608	20090312	US20090402644	20090312	US20090539676	20090812
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US20120397288	20120215	US20090539651	20090812	US20090469915	20090521
US20090469968	20090521	US20090402747	20090312	US20090402731	20090312
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WO2009US36968	20090312	US20120644258	20121003	US20130909247	20130604
US20130732809	20130102	US20130952972	20130729	US20130972067	20130821
US20130087051	20131122	US20150714434	20150518	US20160988433	20160105

Family:

Publication number	Publication date	Application number	Application date
BRPI0904867 A2	20131119	BR2009PI04867	20091209
BRPI0908927 A2	20160809	BR2009PI08927	20090312
BRPI0909836 A2	20151006	BR2009PI09836	20090312
EP2101129 A2	20090916	EP20090250701	20090312
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EP2124001 A2	20091125	EP20090250698	20090312
EP2124001 A3	20121107	EP20090250698	20090312
EP2124002 A2	20091125	EP20090250708	20090312
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WO09114697 A1	20090917	WO2009US36968	20090312	
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WO09114707 A3	20091126	WO2009US36981	20090312	
WO09129003 A2	20091022	WO2009US36963	20090312	
WO09129003 A3	20091210	WO2009US36963	20090312	

Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** ALLARD PAUL B ; BIOTTI CAROLINA ; BRADLEY ROBERT RYAN ; CIVANELLI CLAUDIO ; CUR NIHAT O ; FULTON TIMOTHY A ; WHIRLPOOL CO ; LUCAS ALAN S ;

VONDERHAAR JOHN J ; TENBARGE ANDREW M ; KENDALL JAMES W ; KUEHL STEVEN J ; LECLEAR DOUGLAS D ; QUERFURTH KAREN J ; JOHNSON KELLY I ; OLIVANI ANDREA ; TENBARGE ANDREW MICHAEL ; LECLEAR DOUGLAS DAVID ; WHIRLPOOL CORP ; WU GUOLIAN ; WILCOX MICHELE E

Assignee(s): WILCOX MICHELLE E ; WHIRPOOL CORP

Inventor(s):(std)**:** BRADLEY ROBERT RYAN ; CIVANELLI CLAUDIO ; CUR NHAT O ; CUR NIHAT O ; FULTON TIMOTHY A ; ALLARD PAUL B ; KENDALL JAMES W ; KUEHL STEVEN J ; LECLEAR DOUGLAS D ; JOHNSON KELLY I ; LUCAS ALAN S ; OLIVANI ANDREA ; TENBARGE ANDREW M ; TENBARGE ANDREW MICHAEL ; VONDERHAAR JOHN ; WHIRLPOOL CORPORATION ; WILCOX MICHELE ; WILCOX MICHELLE E ; WU GUOLIAN ; WILCOX MICHELE E ; VONDERHAAR JOHN J ; LECLEAR DOUGLAS DAVID ; CUR NIHAT ; BIOTTI CAROLINA ; QUERFURTH KAREN J

Inventor(s): STEVEN J KUEHL ; TENBARGE ANDREW ; CAROLINA BIOTTI ; ANDREW MICHAEL TENBARGE ; ANDREA OLIVANI ; WHIRLPOOL CORP ; PAUL B ALLARD ; KENDALL JAMES ; LUCAS ALAN ; ANDREW M TENBARGE ; ALAN S LUCAS ; ALLARD PAUL ; GUOLIAN WU ; JAMES W KENDALL ; JOHN J VONDERHAAR

Agent(s): NICHOLLS MICHAEL JOHN; GUERCI ALESSANDRO; WHIRLPOOL PATENTS CO MD 0750; PRICE HENEVELD LLP; JOHN M; KIRK W; PRICE RENEVELD LLP; DOLCE MARCUS P

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A23B7/152 A23L3/015 A23L3/3418 A23L3/3445 A47B83/00 A47B96/04 A47J41/02 A47J43/00 A47J47/16 B21D47/00 B23P17/00 B23P19/04 B65B31/00 B65B31/04 B65B63/08 B67D5/62 B67D7/80 E05D15/00 E05D5/02 F15D1/00 F16D3/00 F16K31/02 F16L3/00 F16M13/02 F17D1/16 F25B19/00 F25B45/00 F25C1/00 F25C5/00 F25C5/18 F25D F25D11/00 F25D13/00 F25D17/04 F25D17/06 F25D19/00 F25D19/02 F25D23/00 F25D23/02 F25D23/04 F25D23/06 F25D23/12 F25D25/00 F25D29/00 F25D3/12 G05D7/00 H01R13/44 H01R13/72 H01R13/73 H01R25/00 H02B1/20 H05K5/02 (Advanced/Invention);
B67D9/00 E05D11/00 F25D23/04 F25D23/12 (Advanced/Non–invention);
A47B83/00 A47J41/00 A47J43/00 B21D47/00 B23P17/00 B23P19/04 B65B31/00 B65B31/04 B65B63/00 B67D7/80 E05D15/00 E05D5/00 F16K31/02 F17D1/00 F25B45/00 F25C1/00 F25C5/00 F25D11/00 F25D13/00 F25D17/04 F25D17/06 F25D19/00 F25D23/00 F25D23/02 F25D23/04 F25D23/06 F25D23/12 F25D25/00 F25D29/00 G05D7/00 (Core/Invention);
F25D (Subclass/Invention)

International class (IPC 1–7): F25D25/00

CPC: F25C5/187 F25C2400/10 F25D2331/81 F25D2331/803 H02B1/20 A23L3/0155 H05K5/0247 H01R13/72 F25D19/02 F25D23/028 F25D23/00 Y10T16/558 Y10T29/49629 Y10T29/49 Y10T29/4998 H01R13/44 A23L3/3418 A23L3/3445 E05D11/0081 E05Y2800/10 E05Y2900/31 F25C5/005 F25C5/182 F25D23/02 F25D23/061 F25D23/126 F25D2323/023 F25D2323/024 F25D2331/805 F25D2400/40 F25D2500/02 F25D17/042 F25D23/04 F25D23/12 F25D29/005 F25D2317/043 F25D2331/801 F25D2400/16 E05Y2800/71 Y10T29/49359 Y10T29/53 Y10T137/0396 Y10T137/6851 Y10T307/461 Y10T307/469 Y10T307/477 Y10T307/937 F16M13/02 Y10T403/18 A47J47/16 F25D2400/18

European class: A23L3/3418 A23L3/3445 F25C5/00B2 F25C5/18B F25C5/18B4 F25D17/04A F25D23/00 F25D23/02 F25D23/04 F25D23/06A F25D23/12 F25D23/12B F25D29/00D P05Y900/310 R25C400/10 R25D23/02 R25D23/04 R25D23/12 R25D23/12B R25D317/043 R25D323/023 R25D323/024 R25D331/801 R25D331/803 R25D331/805 R25D331/810 R25D400/16 R25D400/40 R25D500/02

US class: 1/1 137/14 137/14P 137/14S 137/343 137/343S 16/387 16/387S 212/223.6 222/146.6 222/146.600S 248/127 251/129.15 251/129.150S 285/33 29/527.1 29/527.100P 29/592 29/592S 29/700 29/700S 29/890.035 29/897.32 29/897.320S 307/139 307/154 307/38 307/39 307/40 312/223.6 312/237 312/237P 312/295 312/404 312/405 312/405.1 312/405S 403/24 403/24P 439/116 439/116S 439/131 439/501 49/400 49/400P 53/127 53/127S 53/167 53/408 53/408P 53/432 53/432P 53/434 53/510 53/510S 53/512 53/512S 53/79 53/79P 53/84 53/84S 53/86 53/86S 62/100 62/135 62/137 62/137P 62/169 62/259.1 62/268 62/292 62/292S 62/331 62/344 62/344S 62/377 62/377S 62/407 62/407S 62/430 62/430S 62/440 62/447 62/448 62/449 62/449P 62/449S 62/452 62/452S 62/454 62/454S

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Classification Explorer

Cited documents: WOUS36968, WO09036968 A1, WO08020723 A1, WO08003725 A1, WO07142446 A1, WO07062952 A1, WO07023441 A2, WO07020581 A1, WO06011116 A1, WO0061437 A1, USRE28995 E, USD522541 S1, USD518833 S1, USD515597 S1, USD474485 S1, USD449625 S1, USD449624 S1, US9103578 BB, US9033717 BB, US8979296 BB, US8830660 BB, US8802985 BB, US8745203 BB, US8591252 BB, US8475186 BA, US8382065 BB, US8336975 BB, US8299656 BB, US8166872 BB, US8122734 BB, US8117865 BB, US8087738 BB, US8079867 BB, US8037706 BB, US8033622 BB, US7980088 BB, US7959240 BB, US7942017 BB, US7921668 BB, US7908882 BB, US7887341 BB, US7870753 BB, US7869201 BB, US7866773 BB, US7832227 BB, US7826203 BB, US7810345 BB, US7809470 BB, US7784888 BB, US7775065 BB, US7762102 BB, US7748805 BB, US7736179 BB, US7716408 BB, US7673471 BB, US7661459 BB, US7654855 BB, US7651368 BB, US7628032 BB, US7578141 BB, US7549299 BB, US7472974 BB, US7469553 BB, US7361039 BB, US7360371 BB, US7355131 BB, US7343757 BB, US7331163 BB, US7325409 BB, US7318633 BB, US7309116 BB, US7293422 BB, US7287397 BB, US7281391 BB, US7272949 BB, US7269968 BB, US7266963 BB, US7254960 BB, US7254958 BB, US7231753 BB, US7197888 BB, US7197861 BB, US7188479 BB, US7163251 BB, US7146783 BB, US7108342 BB, US7076929 BB, US7059693 BB, US7048136 BB, US7044569 BA, US7040356 BB, US7040074 BB, US7021962 BB, US7003928 BB, US7000407 BB, US6983615 BB, US6942834 BB, US6926554 BB, US6895868 BA, US6868692 BB, US6868623 BB, US6857541 BA, US6848369 BA, US6817894 BB, US6813896 BA, US6799993 BB, US6789690 BB, US6782710 BB, US6745588 BB, US6739144 BB, US6705890 BB, US6701677 BB, US6694770 BB, US6694710 BB, US6675604 BB, US6675593 BA, US6658876 BA, US6615593 BB, US6612116 BB, US6595016 BA, US6574984 BA, US6534017 BA, US6467242 BA, US6464506 BA, US6463752 BB, US6442954 BA, US6389988 BA, US6389968 BA, US6351966 BA, US6332324 BA, US6305388 BA, US6268594 BA, US6260362 BA, US6256968 BA, US6253570 BA, US6231146 BA, US6205021 BA, US6185913 BA, US6169402 BA, US6169402 B1, US6166722 A, US6159041 A, US6148875 A, US6148624 A, US6138469 A, US6138432 A, US6128807 A, US6113198 A, US6109053 A, US6090422 A, US6085542 A, US6067738 A, US6055823 A, US6054077 A, US6050097 A, US6048215 A, US6035769 A, US6030064 A, US6024599 A, US6000771 A, US5996370 A, US5994676 A, US5994673 A, US5994644 A, US5966963 A, US5964617 A, US5964255 A, US5946919 A, US5941619 A, US5935433 A, US5923094 A, US5894738 A, US5893822 A, US5893531 A, US5877936 A, US5839507 A, US5836170 A, US5816058 A, US5791517 A, US5787724 A, US5765932 A, US5765390 A, US5722252 A, US5720185 A, US5715140 A, US5687509 A, US5679925 A, US5661978 A, US5655595 A, US5607125 A, US5603230 A, US5572998 A, US5558256 A, US5533797 A, US5513480 A, US5457963 A, US5445452 A, US5442518 A, US53965109, US5372012 A, US5348485 A, US5342036 A, US5285051 A, US5272988 A, US5271240 A, US5263509 A, US5244020 A, US5211314 A, US5209082 A, US5175398 A, US5157940 A, US5136853 A, US5112241 A, US5100213 A, US5083442 A, US5064970 A, US5063753 A, US5048269 A, US5048233 A, US5046332 A, US5022720 A, US5009081 A, US4979377 A, US4962491 A, US4919072 A, US4912942 A, US4870836 A, US4864691 A, US4860555 A, US4830223 A, US4821530 A, US4820189 A, US4801182 A, US4792881 A, US4779939 A, US4754611 A, US4742429 A, US4718741 A, US4715831 A, US4687040 A, US4683944 A, US4671074 A, US4592602 A, US4586347 A, US4557399 A, US4543800 A, US4505131 A, US4489995 A, US4457140 A, US4372629 A, US4368622 A, US4322954 A, US4306757 A, US4285391 A, US4157018 A, US4124262 A, US4095439 A, US4090641 A, US4055931 A, US4027499 A, US4019041 A, US4006959 A, US3937847 A, US3911156 A, US3883202 A, US3786652 A, US3783175 A, US3754803 A, US3635174 A, US3635043 A, US3603657 A, US3602007 A, US3561231 A, US3516223 A, US3497281 A, US3476295 A, US3467458 A, US34369008, US34368208, US3429140 A, US3218111 A, US3216214 A, US3178061 A, US3171135 A, US3102777 A, US3077036 A, US3055184 A, US3042780 A, US3030156 A, US2943138 A, US2894845 A, US2820112 A, US2656688 A, US2621875 A, US2550040 A, US2515766 A, US2445152 A, US2441376 A, US2425816 A, US2281430 A, US2230444 A, US2190108 A, US2013056259 AA, US2011146819 AA, US2011146312 AA, US2011110706 AA, US2011094190 AA, US2010326113 AA, US2010307185 AA, US2010295435 AA, US2010276442 AA, US2010071401 AA, US2009314889 AA, US2009302724 AA, US2009293511 AA, US2009277535 AA, US2009260371 AA, US2009255221 AA, US2009229298 AA, US2009229224 AA, US2009223243 AA, US2009193826 AA, US2009145138 AA, US2008315735 AA, US2008258597 AA, US2008223070 AA, US2008165282 AA, US2008164227 AA, US2008143227 AA, US2008120187 AA, US2008047282 AA, US2008042537 AA, US2008041090 AA, US2008041088 AA, US2007257773 AA, US2007247037 AA, US2007202734 AA, US2007163282 AA, US2007159041 AA, US2007157655 AA, US2007119807 AA, US2007119193 AA, US2007113578 AA, US2007074527 AA, US2007033960 AA,

US2007012054 AA, US2006260837 AA, US2006254432 AA, US2006250063 AA, US2006196213 AA, US2006191285 AA, US2006130492 AA, US2006117763 AA, US2006097611 AA, US2006090427 AA, US2006087208 AA, US2006087207 AA, US2006086136 AA, US2006086135 AA, US2006086132 AA, US2006086130 AA, US2006010890 AA, US2006010829 AA, US2005237528 AA, US2005220675 AA, US2005178273 AA, US2005107831 AA, US2005076667 AA, US2005067174 AA, US2005000980 AA, US2004261443 AA, US2004231339 AA, US2004217616 AA, US2004183414 AA, US2004182104 AA, US2004004421 AA, US2003121272 AA, US2003090890 AA, US2003085237 AA, US2002104318 AA, US2002083724 AA, US1648582 A, US1515505 A, KR950033939 U, KR405381, KR20199533939 Y, KR20199533939, KR20111065531 A, KR20070121252 A, KR20050004926 A, KR200405381 Y1, KR20040083548 A, KR20020035332 A, KR20010084303 A, KR19980069579 A, KR1020111065531, KR1020050004926, KR1020040083548, KR100405381 B1, KR0128269 Y1, KR0128269, JPS5311669 U1, JP6159879 A2, JP53011669 U1, JP53011669 U, JP49130452 U, JP4346774 A2, JP4068283 A2, JP2003269853 A2, JP2003004354 A2, JP2001091127 A2, JP11173751 A2, ITMI950039 A1, GB2414064 A1, FR2780146 A1, FR2595583 A1, EP1830144 A2, EP1798147 A1, EP1788329 A2, EP1724539 A2, EP1653176 A2, EP1559973 A1, EP1482263 A2, EP1093726 A1, EP0253434 A2, DE3618802 A1,

DE202007013031 U1

DE202004011287 U1

DE102004042569 A1

CN1225253 A, CA2370912 AA,

Forward Citations: WO17016768, WO17015409, WO14064581, WO14064581, WO13000979, WO12110299, WO11147900, WO11009788, US9714784, US9708749, US9707307, US9705210, US9696082, US9689604, US9653719, US9641002, US9601881, US9599392, US9595373, US9593870, US9590372, US9587876, US9587872, US9562711, US9523531, US9470450, US9463917, US9455506, US9448006, US9409726, US9383133, US9383129, US9341406, US9310123, US9307875, US9287021, US9285156, US9252570, US9221210, US9212843, US9199286, US9182158, US9179703, US9157675, US9140481, US9121633, US9071907, US9038403, US9033717, US9021828, US8986483, US8986022, US8944541, US8935906, US8928190, US8877274, US8876540, US8845045, US8800305, US8752400, US8724332, US8707726, US8683822, US8591252, US8517483, US8453476, US8438870, US8360802, US8299656, US8267492, US2016370091, US2016344135, US2016292409, US2016223205, US2016058020, US2015247665, US2015162672, US2015123525, US2015123523, US2015108841, US2015107084, US2014306596, US2014208795, US2014157600, US2014137984, US2014131506, US2014077489, US2014075889, US2014061509, US2014021838, US2014000303, US2013344721, US2013327411, US2013299439, US2013264439, US2013223000, US2013059477, US2013000345, US2012227323, US2012073317, US2011304254, US2011239687, US2011232317, US2011204762, US2011203222, US2011162403, US2011156497, US2011110706, US2011100505, US2011010923, US2010313524, US2010295435, US2010283366, US2010262295, US2010147011, US2010126117, US2010077789, US2009302724, US2009260369, US2009211202, KR20110111794, KR101669421, EP3018437, EP2741035, EP2738500, EP2738500, EP2578972, EP2578972, EP2444761, EP2322887, EP2322887, EP2320177, DE102014009236, DE102012102229, CN104847782, CN104847782, CN103575015, CN103575015, CN103033016, CN103033016, CN102628631, CN102261470, CN102213517, CN102213517,

Abstract:
Source: US2009229187A A door assembly for an appliance includes a door having an interior side and an exterior side. A frame defines an aperture extending through the door from the interior side to the exterior side. A module is disposed in the aperture. The module includes a first component and a second component. The second component disengageably connects with the first component. A pivot member is operably coupled with the module and with the frame. The module is rotatable about the pivot member thereby allowing access to both the first component and the second component from the exterior side of the door body.

0) US2008277417A – TEMPERATURE CONTROLLED LIQUID DISPENSER, CONTAI...

25) Family number: 42496720 (US2008277417A) © PatBase

Title: TEMPERATURE CONTROLLED LIQUID DISPENSER, CONTAINERS THEREFORE, AND BAG–IN–BOX CONTAINER CONSTRUCTION

Priority: US20070801824 20070510 US20110181432 20110712 WO2008US63279 20080509

Family:

Publication number	Publication date	Application number	Application date
EP2155601 A2	20100224	EP20080755251	20080509
JP2010526738 T2	20100805	JP20100507702T	20080509
MX2009012148 A1	20100224	MX20090012148	20080509
US2008277417 AA	20081113	US20070801824	20070510
US2011266287 AA	20111103	US20110181432	20110712
US7975879 BB	20110712	US20070801824	20070510
US8459503 BB	20130611	US20110181432	20110712
WO08141208 A2	20081120	WO2008US63279	20080509
WO08141208 A3	20090108	WO2008US63279	20080509

Probable Assignee: GROESBECK R CLAY

Assignee(s):(std)**:** GROESBECK R CLAY

Assignee(s): GROESBECK R

Inventor(s):(std)**:** GROESBECK R CLAY

Inventor(s): GROESBECK R

Agent(s): WEISSE RENATE; THORPE NORTH AND WESTERN LLP; MALLINCKRODT ROBERT R ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** B65D35/56 B65D5/42 B65D5/46 B65D77/04 B65D77/06 B65D88/74 B67D1/08 B67D3/00 B67D5/06 B67D5/62 B67D7/06 B67D7/80 (Advanced/Invention); B65D35/00 B65D5/42 B65D5/46 B65D77/04 B65D77/06 B67D1/00 B67D3/00 B67D7/00 B67D7/06 B67D7/80 (Core/Invention)

International class (IPC 1–7)**:** B67D5/62

CPC: B65D5/4204 B65D5/4608 B65D77/067 B67D3/0022 B67D3/0009 B67D3/0067

European class: B65D5/42B B65D5/46B1 B65D77/06B2A B67D3/00C B67D3/00F B67D3/00R2B

US class: 165/61 165/61S 220/4.01 220/4.010S 220/592.01 220/592.010P 220/592.2 220/592.200S 222/105 222/146.1 222/146.100S 222/146.2 222/146.200S 222/146.6 222/146.600S 222/183 222/185.1 222/185.100S

Classification Explorer

Cited documents: US7975879 BB, US7654191 BB, US7654191 B1, US7464567 BA, US7373784 BB, US7373784 B1, US7188749 BB, US7188749 B1, US7165700 BB, US7165700 B1, US7137538 BB, US7076966 BB, US7076966 B1, US7021496 BB, US7021496 B1, US7021206 BB, US7021206 B1, US6938801 BA, US6926170 BB, US6926170 B1, US6637646 BA, US6550645 BB, US6550645 B1, US6497343 BA, US6223981 BA, US6223944 BA, US6170715 BA, US6170715 B1, US6143258 A, US6095372 A, US6089406 A, US6026988 A, US5992685 A, US5915596 A, US5803317 A, US5788121 A, US5673817 A, US5398848 A, US5301601 A, US5096092 A, US4905875 A, US4771918 A, US4757920 A, US4516692 A, US3435990 A, US3280573 A, US3122297 A, US3116854 A, US2011036864 AA, US2007045339 AA, US2006175355 AA, US2006112717 AA, US2005023292 AA, US2003213814 AA, US2003102333 AA, US2002050496 AA, JP2003012092 A2, JP2001174122 A2,

Forward Citations: WO15168640, WO14132510, WO14110434, WO13126628, WO12078604, USD787567, USD786320, USD617635, US9538581, US9517050, US9415990, US9394154, US9392646, US9327956, US9321622, US9290890, US9228575, US9227828, US9174833, US9085450, US8952301, US8878103, US8800817, US8800814, US8633425, US8459503, US2016347526, US2016236926, US2016207751, US2016083242, US2016060012, US2016018156, US2015344281, US2015267869, US2015150532, US2015048118, US2014312066, US2014263454, US2014263449, US2014261875, US2013334251, US2013277394, US2013162119, US2012305595, US2012193375, US2012118246, US2011163128, US2011036864, US2011006080, US2011006078, US2010314416, US2009302027, US2009127251, US2009056244, TWI442205, JP5529310, EP3121127, EP2469200, CN105026303, CN104055421, CN103818662, CN103429129,

Abstract:
Source: US2008277417A A dispenser for relative rapid cooling or heating of the contents of a liquid storage container provides a receptacle for receiving the liquid storage container therein and positioning a thermal transfer portion of the liquid storage container in thermal conductive relationship with a thermal conduction pad associated with the receptacle. Thermal energy is effectively and efficiently transferred from the thermal conduction pad to the liquid in the liquid storage container. The thermal conduction pad is controlled to provide and maintain the desired temperature to the liquid. The liquid is dispensed directly from the container. Various types of containers can be used in the dispenser, with a special bag−in−box container having a inner container and outer box with thermal conduction windows in the box to provide good heat transfer between the thermal conduction pads and the inner container constituting an aspect of the invention. A special rigid container can also be used.

0) US6014968A – TUBULAR HEATING–PIPE SOLAR WATER–HEATING–SYSTEM...

26) Family number: 29834237 (US6014968A) © PatBase

Title: Tubular heating–pipe solar water–heating–system with integral tank

Priority: AU20060200875 20060301 MY19950002857 19950926 WO1996US14785 19960913 MY19960000267 19960124

Family:

Publication number	Publication date	Application number	Application date
AU199671599 A1	19970417	AU19960071599	19960913
AU2006200875 AA	20070920	AU20060200875	20060301
AU702793 B2	19990304	AU19960071599	19960913
AU702793 C	20061130	AU19960071599	19960913
DE69629039 D1	20030814	DE19966029039	19960913
DE69629039 T2	20040603	DE19966029039T	19960913
EP0852689 A1	19980715	EP19960933025	19960913
EP0852689 A4	19991201	EP19960933025	19960913
EP0852689 B1	20030709	EP19960933025	19960913
ES2202474 T3	20040401	ES19960933025T	19960913
MX9802343 A1	19981129	MX19980002343	19980325
MX9802343 A1	19981130	MX19980002343	19980325
NZ319388 A	20020328	NZ19960319388	19960913
PT852689 T	20031128	PT19960933025T	19960913
SG40891 A1	20001024	SG19960010718	19960925
TR9800553 T2	20020121	TR19980000553T	19960913
US6014968 A	20000118	US19960705587	19960829
WO9712183 A1	19970403	WO1996US14785	19960913

Probable Assignee: ALAM HASSAN

Assignee(s):(std)**:** ALAM HASSAN ; HASSAN ALAM ; POH KHOO LIEW ; SIANG TEIK TEOH ; SIANG TEOH ; TEIK TEOH SIANG ; TEOH SIANG TEIK

Inventor(s):(std)**:** SIANG TEIK TEOH ; TEIK TEOH SIANG ; TEOH SIANG TEIK ; TEOH TEIK

Agent(s): ALLENS PATENT AND TRADE MARK ATTORNEYS; ALLENS ARTHUR ROBINSON PATENT AND TRADE MARKS ATTORNEYS

Designated states: AT AU BE CA CH DE DK ES FI FR GB GR IE IT LK LU MC MX NL NZ PT SE TR

International class (IPC 8–9): F24J2/04 F24J2/26 F24J2/34 F24J2/44 F24J2/46 (Advanced/Invention); F24J2/00 F24J2/04 F24J2/42 (Core/Invention)

International class (IPC 1–7): B60R21/00 F24J2/44

CPC: F24J2/265 F24J2/345 F24J2/44 F24J2/4632 Y02E10/44 Y02E10/40

European class: F24J2/26B F24J2/34B F24J2/44 F24J2/46B22 Y02E10/40 Y02E10/44

US class: 126/639 126/655 126/657

Classification Explorer

Cited documents: US4766885 A, US4724826 A, US4615329 A, US4566431 A, US4505261 A, US4438759 A, US4353352 A, US4299203 A, US4084578 A, US3952724 A, US2247830 A, US2122821 A, JP60259861 A2, JP5824763, JP58024763 A2, JP259861, JP24763, GB2167827 A1, GB2148483 A1, DE3722319 A1,

Forward Citations: WO13063590, WO11062649, WO10023546, WO08060167, WO08034922, WO08002651, WO07053859, WO07053859, WO03033971, WO03033971, US9689587, US9593871, US9490659, US9341394, US9310111, US9234682, US9103572, US8991194, US8893513, US8590528, US8342168, US7398779, US2014260002, US2012227730, US2012211195, US2010108054, US2010059044, US2008230048, US2008047544, US2008022995, US2007227529, US2006219237, US2005087186, EP2942576,

Abstract:
Source: US6014968A A collector core (104) for a solar water−heating−system (100) includes a plurality of heat−absorbing pipes (108) each of which surrounds a cooler−water return−pipe (116). The heating−pipes (108) may connect directly to an insulated hot−water storage−tank (104) from which cooler water descends through the return−pipes (116) into the heating−pipes (108). Upon reaching the end of the return−pipes (116), the cooler water flows outward into the space between the surrounding heating−pipes (108) and the inner return−pipes (116). Upon warming, water between the two pipes (108, 116) rises upward back to the hot−water storage−tank (104) thus completing the thermosyphon flow cycle. Preferably, the inner return−pipe (116) is made of polyvinyl chloride ("PVC"), polybutelene ("PB"), or other compressible material which permits collector core (106) operation both in freezing and non−freezing environments. Alternatively, the collector core (106) may be added to an existing solar water−heating panel (102') to improve its operation.

0) US2014150665A – METHOD OF MAKING A BEVERAGE IN A BEVERAGE MAKIN...

27) Family number: 56601169 (US2014150665A) © PatBase

Title: METHOD OF MAKING A BEVERAGE IN A BEVERAGE MAKING MACHINE

Priority: US20130830767P 20130604 US20130830775P 20130604 US20130913201 20130607 US20130913227 20130607 US20130913211 20130607 US20130913218 20130607 US20130913304 20130607 US20130913316 20130607 US20130913309 20130607 US20130913235 20130607 US20130913320 20130607 US20130913311 20130607 WO2014US40942 20140604

Family:

Publication number	Publication date	Application number	Application date
AU2014274897 AA	20141211	AU20140274897	20140604
CA2913086 AA	20151119	CA20142913086	20140604
EP3003960 A1	20160413	EP20140736134	20140604
US2014150665 AA	20140605	US20130913304	20130607
US2014154369 AA	20140605	US20130913316	20130607
US2014154380 AA	20140605	US20130913201	20130607
US2014154382 AA	20140605	US20130913309	20130607
US2014170279 AA	20140619	US20130913227	20130607
WO14197619 A1	20141211	WO2014US40942	20140604

Probable Assignee: COCA COLA CO

Assignee(s):(std)**:** CHHLIAR JITENDER ; COCA COLA CO

Assignee(s): GREEN BRAD ; KOLLS BROCK ; XU HONGGUAN ; ZHANG NICOLE

Inventor(s):(std)**:** BROWN MICHAEL ; CHHLIAR JITENDER ; GREEN BRAD ; HUANG XIAOYAN ; KAPLITA STAN ; KOLLS BROCK ; KRIEGEL ROBERT ; MANNING JENNIFER ; PEARSON SCOTT ; QUAN NANCY ; VALLETTE CHRIS ; WOLLAERT GUY ; XU HONGGUAN ; ZHANG NICOLE

Agent(s): FB RICE; FB RICE PTY LTD; SIM AND MCBURNEY; AIRD AND BERLIS IP PARTNERSHIP LTD; JACKSON ROBERT PATRICK; BRUESS STEVEN C

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A23F3/18 A23F5/26 A23L1/221 A23L2/54 A23L2/56 A23L27/10 A47J31/06 B67D1/00 B67D1/04 B67D1/08 G06Q10/08 G06Q30/06 G06Q50/28 (Advanced/Invention)

CPC: B67D1/0029 A47J31/407 B67D1/0058 B67D1/0072 B67D1/0074 B67D1/0078 B67D1/008 B67D1/0406 B67D1/0884 B67D1/0888 B67D1/1204 B67D1/1252 B67D3/0019 B67D2001/0091 B67D2001/0092 B67D2210/0012 B67D2210/00123 A23L2/54 G06Q50/28 B67D1/0057 B67D1/0069 B67D1/0443 B67D1/0878 B67D2001/0812 B67D1/0857 B67D1/0021 A23L2/56 A23L27/115 A23F5/46 A23F3/40 B67D2210/0001 B67D3/0029

US class: 426/115 426/312 426/394 426/431 426/477 426/478 99/295

Classification Explorer

Cited documents: US7203572 BB, US6868694 BB, US4440318 A, US4389422 A, US4379172 A, US4316409 A, US4313265 A, US4285977 A, US4170320 A, US3910461 A, US3851071 A, US2194775 A, US2112637 A, US2096522 A, US2092174 A, US2014106038 AA, US2014102047 AA, US2014027453 AA, US2013233895 AA, US2013180406 AA, US2011000229 AA, US2010031678 AA, US2009293733 AA, US2007261436 AA, US2006207679 AA, US1967553 A, US1906986 A, US1905986 A, NL2006195 C, NL1011570 C2, JP2012001224 A2, JP2003035650 A2, JP2000043958 A2, FR2799137 A1, EP0079242 A2, EP0027358 A1,

Forward Citations: WO16131065, US9642489, US9630826, US9233824, US2015217986, US2014377428, US2014150669,

Abstract:
Source: US2014150665A A method of making a beverage in a beverage making machine includes filling a beverage diluent receptacle with a beverage diluent liquid, a beverage making cartridge further comprising at least one of a beverage ingredient, and the beverage diluent receptacle, and storing the beverage making cartridge in a refrigerated appliance separate from the beverage making machine, wherein at least the beverage diluent liquid is chilled. The method further preparing a beverage by retrieving the beverage cartridge form the refrigerated appliance, inserting the beverage making cartridge, into the beverage making machine, and dispensing selectively a predefined ratio of the beverage ingredient and a beverage diluent liquid to form the beverage.

28) Family number: 31876235 (US2005077318A) © PatBase

Title: PORTABLE WATER COOLER FOR USE WITH BAGGED FLUIDS AND BAGGED FLUIDS FOR USE THEREWITH

Priority: EP20040783897 20040913 US20030497530P 20030825 US20030502723P 20030912 US20040940057 20040913 US20060421021 20060530 US20040926604 20040825 US20040973052 20041025 US20030513769P 20031023 US20040545155P 20040217 WO2004US35391 20041025 WO2004US29847 20040913 WO2004US27714 20040825 US20070683000 20070307

Family:

Publication number	Publication date	Application number	Application date
AT550615 E	20120415	AT20040783897T	20040913
BRPI0414340 A	20061107	BR2004PI14340	20040913
BRPI0414340 B1	20150929	BR2004PI14340	20040913
CA2536986 AA	20060224	CA20042536986	20040825
CA2536986 C	20121120	CA20042536986	20040825
CA2538243 AA	20060306	CA20042538243	20040913
CA2538243 C	20121120	CA20042538243	20040913
CA2547135 AA	20060524	CA20042547135	20041025
DE602004037037 D1	20120516	DE200460037037T	20040913
EP1663848 A2	20060607	EP20040783897	20040913
EP1663848 A4	20071107	EP20040783897	20040913
EP1663848 B1	20120321	EP20040783897	20040913
EP1664641 A2	20060607	EP20040782236	20040825
EP1664641 A4	20070822	EP20040782236	20040825
EP1697252 A2	20060906	EP20040796379	20041025
EP1697252 A4	20120307	EP20040796379	20041025
MXPA05007748 A1	20060131	MX2005PA07748	20040913
MXPA06002172 A1	20060522	MX2006PA02172	20040825
US2005077318 AA	20050414	US20040926604	20040825
US2005092769 AA	20050505	US20040940057	20040913
US2005121464 AA	20050609	US20040973052	20041025
US2006201966 AA	20060914	US20060421021	20060530
US2007145071 AA	20070628	US20070683000	20070307
US7165700 BB	20070123	US20040926604	20040825
US7188749 BB	20070313	US20040973052	20041025
US7331487 BB	20080219	US20040940057	20040913
US7762429 BB	20100727	US20060421021	20060530
WO05022058 A2	20050310	WO2004US27714	20040825
WO05022058 A3	20060119	WO2004US27714	20040825
WO05028357 A2	20050331	WO2004US29847	20040913
WO05028357 A3	20050901	WO2004US29847	20040913
WO05040034 A2	20050506	WO2004US35391	20041025
WO05040034 A3	20051229	WO2004US35391	20041025

Probable Assignee: INT PACKAGING INNOVATIONS LLC

Assignee(s):(std)**:** AMMM PATENT HOLDINGS LLC ; AVERY STEVEN ; HENRY MACLER II ; INT PACKAGING INNOVATIONS ; INT PACKAGING INNOVATIONS LLC ; MACLER HENRY ; MACLER HENRY II ; MACLER II HENRY H ; MACLER HENRY H II ; MACLER HENRY OLIVER RD ; INTERNAT PACKAGING INNOVATIONS ; INTERNAT PACKAGING INNOVATIONS LLC ; MACLER JEFFREY ; MILLER DON ; MACLER JEFFREY E

Assignee(s): STEVEN AVERY ; JEFFREY E MACLER ; INTERNATIONAL PACKAGING INNOVATIONS LLC ; MACLER HENRY HII ; INT PACKAGING INNOVATIONS LLC ST LOUIS ; MACLER HENRY 2107 OLIVER RD

Inventor(s):(std) AVERY STEVEN ; MACLER HENRY ; MACLER HENRY H II ; MACLER HENRY OLIVER RD ; MACLER II HENRY H ; MACLER JEFFREY ; MACLER JEFFREY E ; MACLER HENRY II ; MILLER DON ; STEVEN AVERY

Inventor(s): MACLER HENRY II MONROE ; MACLER JEFFREY E TECUMSEH ; MACLER HENRY HII ; MACLER HENRY 2107 OLIVER RD ; MACLER HENRY H ; AVERY STEVEN SOUTH JORDAN ; HENRY MACLER II ; II HENRY H ; JEFFREY E MACLER ; MACLER

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; THUN CLEMENS; LEWIS RICE AND FINGERSH LC ATTN BOX IP DEPT; LEWIS RICE AND FINGERSH LC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B65D35/28 B65D35/56 B65D77/06 B67B7/86 B67D1/00 B67D3/00 B67D3/04 B67D5/00 B67D5/62 B67D7/80 B67D99/00 F25D1/00 (Advanced/Invention); F25D (Subclass/Invention)

International class (IPC 1–7): B65D35/56 B67D0/00 B67D5/00 F25D0/00 F25D1/00

CPC: B67D3/0032 B67D3/0038 B65D11/18 B65D11/1806 B65D11/1873 B65D77/06 B65D77/068 B67D3/0019 B67D3/04 B67D1/0001 B67B7/28 B67D3/0009 B67D3/0029

European class: B65D11/18 B65D11/18B B65D11/18H3 B65D77/06 B65D77/06B3 B67B7/28 B67D3/00C B67D3/00E B67D3/00H B67D3/00H2 B67D3/00K B67D3/04

US class: 222/1 222/105 222/146.1 222/146.100S 222/146.6 222/182 222/182S 222/183 222/185.1 222/185.100S 222/481.5 222/81 222/81P 222/82 222/82S 222/83 222/83.5 222/83P 222/88 222/88S 222/94 222/95 222/95S

Classification Explorer

Cited documents: WO9937575 A1, WO03070593 A2, WO0100504 A1, USD361838 S1, USD309396 S1, US7165700 BB, US6883683 BA, US6820771 BB, US6726061 BB, US6726061 BA, US6557735 BA, US6443329 BA, US6442960 BA, US6398073 BA, US6364329 BA, US6228011 BA, US6223940 BA, US6207046 BA, US6149034 A, US6116467 A, US6098844 A, US6095433 A, US6053401 A, US6026988 A, US6019196 A, US5975359 A, US5971218 A, US5967322 A, US5967197 A, US5944232 A, US5746347 A, US5697197 A, US5691015 A, US5645913 A, US5573047 A, US5567322 A, US5551606 A, US5526961 A, US5505336 A, US5441134 A, US5405053 A, US5402915 A, US5334180 A, US5325995 A, US5281027 A, US5263612 A, US5224619 A, US5163587 A, US5141134 A, US5111966 A, US5050775 A, US5042682 A, US5029734 A, US4923091 A, US4921135 A, US4911334 A, US4907722 A, US4881662 A, US4865218 A, US4846236 A, US4801007 A, US4796785 A, US4795062 A, US4793514 A, US4755292 A, US4603793 A, US4561560 A, US4557406 A, US4538726 A, US4527716 A, US4516693 A, US4322465 A, US4318497 A, US4293081 A, US4162029 A, US4008832 A, US3848776 A, US3837533 A, US3813009 A, US3726061 A, US3688950 A, US3613872 A, US3589862 A, US3587934 A, US3435990 A, US3422992 A, US3343719 A, US3255923 A, US3239104 A, US3232491 A, US3152729 A, US2655286 A, US2006144857 AA, US2006052747 AA, US2004104246 AA, US2003155372 AA, US1925113 A, US1889557 A, US1364889 A, US1316122 A, GB2156949 A1, FR2685293 A1, EP0250640 A1, DE1532609 B1, CN992545692 A, CN99254569, CN992460670 A, CN99246067, CN992460662 A, CN99246066, CN992092205 A, CN99209220, CN982152833 A, CN98215283, CN982130856 A, CN98213085, CN32319088 A, CN3231908, CN32319061 A, CN3231906, CN32101155 A, CN3210115, CN32097212 A, CN3209721, CN2741398 Y, CN2740102 Y, CN2709735 Y, CN2688189 Y, CN2683973 Y, CN2648965 Y, CN2640938 Y, CN2633153 Y, CN2633151 Y, CN2438387 Y, CN2430093 Y, CN2417804 Y, CN2397441 Y, CN2397426 Y, CN2376253 Y, CN237625, CN2376245 Y, CN237624, CN2373018 Y, CN2328308 Y, CN2321350 Y, CN2309721, CN20420037745, CN200420107401, CN200420037745, CN200420005755, CN200410067280, CN200410052994, CN200320100534, CN1587765 A, CN1586376 A, CA1229073 A1, CA1192164 A1,

Forward Citations: WO15161279, WO15068153, WO14110242, WO12162745, WO12129267, WO10118044, WO10118044, WO10077899, WO10014944, WO10014944, WO08099796, WO08099796, WO08061117, WO08015716, WO07076239, USD791912, USD765220, USD758529,

USD713193, USD702892, USD638263, US9714164, US9637369, US9527639, US9522261, US9517050, US9227828, US9120663, US9101936, US8770441, US8727183, US8695535, US8464906, US8459503, US8435220, US8424713, US8371825, US8353428, US8316477, US8313472, US8313007, US8291947, US8282620, US8245667, US8230697, US8205771, US8196777, US8177096, US8146780, US7975879, US7799003, US7789269, US7762429, US7708164, US7654413, US7552844, US7549369, US7546816, US7489860, US2016207751, US2015292674, US2015267869, US2015225131, US2015183563, US2015150532, US2014263435, US2014261875, US2012193373, US2012152978, US2011284585, US2011226809, US2011147395, US2011127281, US2011120173, US2011046582, US2011031273, US2011017774, US2010252572, US2010251967, US2010200611, US2010198184, US2010175897, US2010147884, US2010122410, US2010107564, US2010038380, US2010004629, US2009320517, US2009218370, US2009206106, US2009188939, US2008279487, US2008277417, US2008277414, US2008276642, US2008257910, US2008190961, US2008173670, US2008172787, US2008167632, US2008105711, US2008105704, US2008087232, US2008078201, US2007196081, US2007154119, US2007089234, US2007089233, US2007089232, US2007089231, US2006255064, US2006201966, US2006201965, US2006068067, TWI337980, NL2009125, JP2014005006, ITMI20091896, GB2505624, EP2417031, EP2417031, EP2277821, EP2176158, EP1966055, EP1918683, CN103717502, CN102448841, CN102448841, AU2010234593, AU2008310586, AU2007342056,

Abstract:
Source: US2005077318A A portable water cooler is designed to accept the placement of bagged fluid therein, leading to the connection of the bag of fluid to a fluid flow pathway, thereby allowing the fluid to be dispensed in a manner such that the fluid is segregated from the internal surfaces of the cooler. The portable water cooler generally includes an internal spike and external spigot through which fluid may flow. Systems and methods for dispensing bagged fluid from such a cooler, including various multi−bag systems and methods allowing for improved thermal control of fluids being dispensed, as well as increased selection of fluids dispensed from the same portable water cooler provide a high level of convenience.

0) US2005268624A – MEASURED FILL WATER DISPENSER FOR REFRIGERATOR ...

29) Family number: 32475221 (US2005268624A) © PatBase

Title: MEASURED FILL WATER DISPENSER FOR REFRIGERATOR FREEZER

Priority: US20040861203 20040604

Family:

Publication number	Publication date	Application number	Application date
AU2005202434 AA	20051222	AU20050202434	20050603
AU2005202434 BB	20100225	AU20050202434	20050603
BRPI0502221 A	20060124	BR2005PI02221	20050603
CN1757997 A	20060412	CN200510075497	20050602
DE602005019123 D1	20100318	DE200560019123T	20050525
EP1607700 A2	20051221	EP20050104484	20050525
EP1607700 A3	20060531	EP20050104484	20050525
EP1607700 B1	20100127	EP20050104484	20050525
KR20060048156 A	20060518	KR20050047608	20050603
MXPA05005860 A1	20060210	MX2005PA05860	20050601
NZ540522 A	20061027	NZ20050540522	20050602
US2005268624 AA	20051208	US20040861203	20040604
US7201005 BB	20070410	US20040861203	20040604

Probable Assignee: WHIRLPOOL CORP

Assignee(s):(std)**:** BOARMAN PATRICK J ; FISCHER MARCUS R ; HARMON DARYL L ; KICKLIGHTER BRADLEY L ; VOGLEWEDE RONALD L ; WHIRLPOOL CO ; WILSON GARY W SR ; WHIRLPOOL CORP

Inventor(s):(std)**:** BRADLEY L KICKLIGHTER ; DA BOARMAN PATRICK J WILSON GA ; DARYL L HARMON ; BOARMAN PATRICK J ; FISCHER MARCUS R ; GARY W WILSON ; KICKLIGHTER BRADLEY L ; MARCUS R FISCHER ; PATRICK J BOARMAN ; RONALD L VOGLEWEDE ; HARMON DARYL L ; VOGLEWEDE RONALD L ; WILSON GARY W ; WILSON GARY W SR ; WILSON SR GARY W

Inventor(s): BOARMAN PATRICK ; WILSON GARY WSR ; WILSON ; WILSON GARY ; KICKLIGHTER BRADLEY ; SR GARY W ; VOGLEWEDE RONALD ; HARMON DARYL ; BOARMAN PATRICK J WILSON GARY W FISCHER MARCUS R V ; FISCHER MARCUS

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GUERCI ALESSANDRO; WHIRLPOOL PATENTS COMPANY – MD 0750; WHIRLPOOL PATENTS CO MD 0750; ROBERT O; JOHN F; STEPHAN

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

International class (IPC 8–9): B65D35/22 B67D1/00 B67D5/62 B67D7/80 F25B49/00 F25C1/00 F25D11/00 F25D23/00 F25D23/12 F25D25/00 F25D29/00 G01F13/00 G01F15/00 G05D7/06 (Advanced/Invention); F25D23/00 F25D25/00 F25D29/00 (Advanced/Non–invention); B65D35/00 B67D1/00 B67D7/80 F25B49/00 F25C1/00 F25D11/00 F25D23/00 F25D23/12 F25D25/00 F25D29/00 G01F13/00 G01F15/00 G05D7/06 (Core/Invention)

International class (IPC 1–7): B65D35/22 B67D1/00 B67D5/00 B67D5/62 F25B49/00 F25C1/00 F25C5/00 F25D21/00 F25D23/12

CPC: B67D1/124 F25D23/126 F25D2400/06 F25D2400/361 G01F13/00 G01F15/003 F25D25/00 F25D23/00 F25D29/00

European class: F25D23/12B G01F13/00 G01F15/00B4 R25D400/06 R25D400/361

US class: 222/146.6 222/146.600S 62/126 62/126P 62/135 62/135S 62/389 62/389S 62/390

Classification Explorer

Cited documents: WO03008885 A1, WO0220392 A1, US6715302 BB, US6613236 BA, US6375834 BA, US6355177 BB, US6092374 A, US5829263 A, US5551598 A, US5537838 A, US5526854 A, US551598 A, US5490547 A, US5473911 A, US5429272 A, US5269154 A, US5129548

A, US4573325 A, US4428088 A, US3937362 A, US2004261434 AA, US2004261433 AA, US2004007516 AA, US2003074194 AA, US2003019236 AA, US2002189983 AA, EP1030143 A2, EP1019791 A1,

Forward Citations: WO16012580, WO13054277, WO13054277, WO09089413, WO08101772, WO08017419, WO08017419, USD767650, USD754150, USD654516, USD645484, USD614441, USD602728, USD568913, USD568912, US9683771, US9642214, US9499384, US9487384, US9297574, US9193575, US9126818, US9103578, US9091475, US9068772, US9068770, US9057556, US9057554, US8990098, US8985396, US8935935, US8857205, US8830660, US8746506, US8745203, US8720221, US8714210, US8701436, US8700809, US8677778, US8656730, US8646285, US8640485, US8640484, US8639527, US8627679, US8537018, US8528610, US8517337, US8505593, US8502680, US8499578, US8494617, US8477007, US8461959, US8442042, US8439178, US8430221, US8395515, US8395476, US8364321, US8327889, US8322384, US8314678, US8296545, US8264318, US8245735, US8196419, US8151596, US8140190, US8132586, US8118997, US8116852, US8028728, US8024940, US8010211, US8000907, US7949822, US7921658, US7874460, US7866165, US7836719, US7827811, US7779641, US7770408, US7757732, US7698900, US7673661, US7673471, US7661448, US7594063, US7568358, US7543453, US7442297, US7333899, US2016290713, US2015197417, US2014166153, US2013327068, US2013174586, US2013104586, US2013008556, US2012210740, US2012168458, US2012111031, US2012042671, US2011302935, US2011219175, US2011214441, US2011153871, US2011153821, US2011153739, US2011152024, US2011148650, US2011148649, US2011147417, US2011147161, US2011147160, US2011146330, US2011146329, US2011083457, US2010315244, US2010315243, US2010274640, US2010229588, US2010218525, US2010204832, US2010155415, US2010138053, US2010125364, US2010106265, US2010102082, US2010102076, US2010102051, US2010077773, US2010024541, US2010002342, US2010000931, US2009327595, US2009314801, US2009284157, US2009276239, US2009183796, US2009071567, US2009069948, US2009046715, US2009045926, US2009044137, US2009044129, US2009040067, US2009040066, US2009040013, US2009040012, US2008314065, US2008264092, US2008228318, US2008216504, US2008184730, US2008178628, US2008178627, US2008178626, US2008173037, US2008163641, US2008163630, US2008159494, US2008157644, US2008156823, US2008156016, US2008156008, US2008148840, US2008110198, US2008041073, US2007256036, US2007157642, US2007157638, US2007157637, US2007130965, US2006191829, US2006112715, US2006080050, JP5858880, JP5773948, JP2014020743, JP2013253715, EP2363671, EP2363671, EP2275759, EP1983312, EP1939559, EP1890098, EP1795840, DE202006020557, DE102009044032, DE102009044032, DE102006062359, DE102006062359, CN103245160, CN103047817, CN102455110, AU2013205690,

Abstract:
Source: US2005268624A A water dispenser for a refrigerator freezer having a water dispensing control including a measured fill mode of operation in which the water dispenser dispenses a predetermined amount of water and a manual fill mode of operation. The water dispensing control allows user selection of the units of measure, the type of container being filled and selection of the amount to be dispensed. A user display can display the selections and can display the amount dispensed in real time.

0) US2007117017A – ELECTRICITY STORAGE DEVICE AND PROCESS FOR PROD...

30) Family number: 32018586 (US2007117017A) © PatBase

Title: ELECTRICITY STORAGE DEVICE AND PROCESS FOR PRODUCING THE SAME

Priority: JP20030411288 20031210 JP20090240726 20091019 WO2004JP18384 20041209

Family:

Publication number	Publication date	Application number	Application date
CN1890769 A	20070103	CN200480036750	20041209
CN1890769 B	20101006	CN200480036750	20041209
EP1693866 A1	20060823	EP20040820265	20041209
EP1693866 A4	20090805	EP20040820265	20041209
IN02066CN2006 A	20070706	IN2006CN02066	20060609
IN251494 B	20120323	IN2006CN02066	20060609
JP2005175107 A2	20050630	JP20030411288	20031210
JP2010050471 A2	20100304	JP20090240726	20091019
JP4436121 B2	20100324	JP20030411288	20031210
JP4891378 B2	20120307	JP20090240726	20091019
US2007117017 AA	20070524	US20040582548	20041209
WO05057597 A1	20050623	WO2004JP18384	20041209

Probable Assignee: EAMEX CORP

Assignee(s):(std)**:** C O EAMEX CORP ; EAMEX CO ; EAMEX CORP ; KATO KENJI ; ONISHI KAZUO ; SUGIYAMA MINORU ; SEWA SHINGO

Inventor(s):(std)**:** KATO KENJI ; KAZUO ONISHI ; KENJI KATO ; MINORU SUGIYAMA ; ONISHI KAZUO ; SEWA SHINGO ; SHINGO SEWA ; SHINGO SUGIYAMA MINORU KATO KE ; SUGIYAMA MINORU

Inventor(s): SUGIYAMA MINORU KATO KENJI ONISHI KAZUO SEWA ; SUGIYAMA MINORU KATO KENJI ONISHI KAZUO SEWA SHING ; SUGIYAMA MINORU KATO KENJI ONISHI KAZUO SEWA SHINGO

Agent(s): WEBB LAW FIRM PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): H01G11/02 H01G11/06 H01G11/22 H01G11/30 H01G11/54 H01G11/56 H01G11/58 H01G11/62 H01G11/68 H01G11/86 H01G9/00 H01G9/025 H01G9/038 H01G9/058 H01G9/155 H01G9/22 H01M10/04 H01M10/40 H01M4/04 H01M4/38 H01M4/58 (Advanced/Invention); H01M4/40 (Advanced/Non–invention); H01G9/00 H01G9/022 H01G9/058 H01G9/155 H01G9/22 H01M10/04 H01M10/36 H01M4/04 H01M4/38 H01M4/58 (Core/Invention); H01M4/40 (Core/Non–invention)

International class (IPC 1–7): H01G9/00 H01G9/058 H01G9/155

CPC: H01G11/50 H01M4/0407 H01M4/38 H01M4/405 H01M10/052 H01M10/0565 Y02E60/13 Y02T10/7011 Y02T10/7022 Y10T29/49115 H01M4/387

European class: H01G9/058 H01G9/155 H01M10/052 H01M10/0565 H01M4/04B6 H01M4/38 T01M4/40B Y02E60/12B Y02E60/13 Y02T10/70B2 Y02T10/70D

US class: 29/623.5 29/623.500 29/623.500S 429/231.95 429/231.950 429/231.950P

Classification Explorer

Cited documents: US6797428 BA, US5953204 A, US5643665 A, US4844994 A, US2003170533 AA, US2003026063 AA, US2002042001 AA, JPS60220574, JP60220574 A2, JP2006208 B2,

JP2004220906 A2, JP2002037966 A2, JP11297578 A2, JP11145009 A2, JP11026326 A2, JP11008153 A2,

Forward Citations: WO12109218, WO12109218, WO10039795, WO10039795, WO09042361, WO08123137, US9231405, US9208957, US8830656, US8588830, US8552582, US8440333, US8097980, US8029154, US7906234, US7731383, US2013266828, US2011200889, US2011085322, US2011039165, US2010249841, US2010221644, US2010091431, US2010079109, US2010029268, US2009040750, US2007042265, JP2011109045, JP2008235694, EP2619562, EP2393090, CN102249380,

Abstract:
Source: US2007117017A There are provided an electricity storage device, comprising a polymer electrolyte and polarizable electrodes, the polarizable electrodes each comprising an interface with the polymer electrolyte, the polarizable electrodes being metal electrodes, a negative electrode of the polarizable electrodes having, at its interface with the polymer electrolyte, a lithium alloy with a metal component contained in the negative electrode, the lithium alloy being capable of releasing lithium ions through a reversible electrochemical oxidation−reduction reaction; and a method for producing an electricity storage device, comprising: a structure forming step of obtaining an electrode−electrolyte structure where each of the polarizable electrodes is formed on a polymer electrolyte through an electroless plating method; and a layer forming step of applying voltage to the polarizable electrode while the electrode−electrolyte structure obtained by the structure forming step includes a solution containing lithium ions, to form a layer containing lithium and a metal component of the polarizable electrodes at the negative electrode of the polarizable electrodes.

0) US2005061016A – REFRIGERATOR WITH ICEMAKER

31) Family number: 31764158 (US2005061016A) © PatBase

Title: REFRIGERATOR WITH ICEMAKER

Priority: KR20030065163 20030919 US20040769814 20040203 US20060402818 20060413 US20080104268 20080416 US20080133978 20080605 US20100766119 20100423 US20070739291 20070424 US20110009910 20110120 US20110009905 20110120 US20110009913 20110120 US20110009924 20110120

Family:

Publication number	Publication date	Application number	Application date
CN1314933 C	20070509	CN200410002561	20040130
CN1598451 A	20050323	CN200410002561	20040130
DE602004028084 D1	20100826	DE200460028084T	20040130
EP1517102 A2	20050323	EP20040250518	20040130
EP1517102 A3	20050803	EP20040250518	20040130
EP1517102 B1	20100714	EP20040250518	20040130
JP2005090936 A2	20050407	JP20040020063	20040128
JP4499437 B2	20100707	JP20040020063	20040128
KR100565622 B1	20060330	KR20030065163	20030919
KR20050028658 A	20050323	KR20030065163	20030919
US2005061016 AA	20050324	US20040769814	20040203
US2006179869 AA	20060817	US20060402818	20060413
US2007186576 AA	20070816	US20070739291	20070424
US2008209938 AA	20080904	US20080104268	20080416
US2008236188 AA	20081002	US20080133978	20080605
US2010199702 AA	20100812	US20100766119	20100423
US2011107785 AA	20110512	US20110009905	20110120
US2011113811 AA	20110519	US20110009910	20110120
US2011113812 AA	20110519	US20110009913	20110120
US2011113813 AA	20110519	US20110009924	20110120
US7076967 BB	20060718	US20040769814	20040203
US7222498 BB	20070529	US20060402818	20060413
US7392665 BB	20080701	US20070739291	20070424
US7392665 C1	20140902	US20070739291	20070424
US7654105 BB	20100202	US20080133978	20080605
US7703298 BB	20100427	US20080104268	20080416
US7703298 C1	20140821	US20080104268	20080416
US8601830 BB	20131210	US20100766119	20100423
US8707728 BB	20140429	US20110009905	20110120

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** CHUNG SUNG H ; CHUNG SUNG HOON ; KIM SEONG J ; KIM SEONG JAE ; LEE MYUNG R ; LEE MYUNG RYUL ; LG ELECTRONICS INC ; SEO CHANG HO ; SEO CHANG H

Inventor(s):(std)**:** CHANG HO SEO ; CHUNG SUNG HOON ; KIM SEONG JAE ; LEE MYUNG RYUL ; MYUNG RYUL LEE ; SEO CHANG HO ; SEONG JAE KIM ; SUNG HOON CHUNG ; SUNG HOON LEE MYUNG RYUL KIM S ; SEO CHANG H ; LEE MYUNG R ; KIM SEONG J ; CHUNG SUNG H

Inventor(s): LEE MYUNG RYUL KIM SEONG JAE SEO CHANG HO... ; SEO CHANG ; LEE MYUNG ; KIM SEONG ; CHUNG SUNG

Agent(s): HALE PETER; BIRCH STEWART KOLASCH AND BIRCH; FISH AND RICHARDSON PC; BIRCH STEWART KOLASCH AND BIRCH LLP

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

International class (IPC 8–9): A47B96/00 F25C1/00 F25C1/04 F25C1/12 F25C1/22 F25C1/24 F25C5/14 F25C5/18 F25D11/02 F25D17/04 F25D17/06 F25D17/08 F25D23/02 F25D23/04 F25D23/12 F25D3/02 (Advanced/Invention);
F25C1/24 F25C5/04 (Advanced/Non–invention);
A47B96/00 F25C5/00 F25D17/04 F25D23/02 F25D23/12 (Core/Invention)

International class (IPC 1–7): F25C1/00 F25C1/04 F25C1/24 F25D11/02 F25D17/04 F25D17/06 F25D17/08 F25D23/04 F25D23/12

CPC: F25C5/046 F25C1/04 F25C2400/10 F25D17/065 F25D23/087 F25D2317/061 F25D2317/062 F25D2317/0666 F25D2317/0682 F25D2317/0683 F25D2400/04 F25D2400/06 F25D2500/02 F25C1/24

European class: F25C1/04 F25C5/04C F25D17/06A1 R25C400/10 R25C5/04C R25D23/08B2 R25D317/061 R25D317/062 R25D317/0666 R25D317/0682 R25D317/0683 R25D400/04 R25D400/06 R25D500/02

US class: 312/405.1 312/405.100S 62/340 62/340P 62/344 62/344P 62/344S 62/353 62/353P 62/377 62/407 62/407S 62/408 62/408S 62/419 62/419S 62/420 62/426 62/426S 62/441 62/441S 62/449 62/449S 623/44

Classification Explorer

Cited documents: WO9015962 A1, WO03102481 A1, WO03033976 A1, US7703298 BB, US7222498 BB, US7076967 BB, US7008032 BB, US6971730 BB, US6964177 BB, US6956967 BB, US6945068 BB, US6880355 BB, US6865899 BB, US6845631 BA, US6820433 BB, US6755166 BB, US6742353 BB, US6742351 BB, US6735959 BA, US6732537 BA, US6725680 BA, US6708726 BB, US6694754 BA, US6655166 BA, US6612116 BB, US6604377 BB, US6574974 BA, US6571567 BB, US6550268 BB, US6543249 BB, US6497113 BA, US6474094 BB, US6464854 BB, US6460367 BA, US6447083 BA, US6442954 BA, US6438988 BA, US6438976 BB, US6425425 BB, US6425259 BB, US6422031 BA, US6418739 BB, US6412286 BA, US6401482 BA, US6401461 BA, US6351967 BA, US6351958 BA, US6351955 BA, US6314745 BA, US6312608 BA, US6286324 BA, US6276146 BA, US6193285 BA, US6176099 BA, US6176099 B1, US6161390 A, US6148624 A, US6148620 A, US6120685 A, US6091062 A, US6090281 A, US6082130 A, US6073458 A, US6062826 A, US6062037 A, US6055826 A, US6055820 A, US6053472 A, US6050097 A, US6044654 A, US6038880 A, US6019447 A, US5992167 A, US5966963 A, US5960641 A, US5956967 A, US5947342 A, US5946934 A, US5899083 A, US5896752 A, US5849227 A, US5846446 A, US5834126 A, US5829263 A, US5826437 A, US5823001 A, US5816060 A, US5813245 A, US5810331 A, US5787724 A, US5787723 A, US5775124 A, US5758512 A, US5729997 A, US5715699 A, US5711159 A, US5675980 A, US5642628 A, US5596182 A, US5584191 A, US5551252 A, US5542264 A, US5388427 A, US5375432 A, US5357769 A, US5355686 A, US5327856 A, US5310090 A, US5273219 A, US5272888 A, US5261248 A, US5219225 A, US5212955 A, US5211462 A, US5198244 A, US5177980 A, US5117654 A, US5100213 A, US5092137 A, US5090208 A, US5077985 A, US5056688 A, US5037004 A, US5033636 A, US5010738 A, US4997109 A, US4970871 A, US4961320 A, US4922725 A, US4916921 A, US4889316 A, US4872317 A, US4838026 A, US4835978 A, US4831840 A, US4799362 A, US4756165 A, US4754615 A, US4732009 A, US4727720 A, US4644753 A, US4614088 A, US4587810 A, US4586347 A, US4543800 A, US4487024 A, US4368622 A, US4333588 A, US4332429 A, US4332146 A, US4306757 A, US4285212 A, US4280682 A, US4250923 A, US4227383 A, US4223538 A, US4209999 A, US4142378 A, US4142377 A, US4142373 A, US4118451 A, US4100761 A, US4087140 A, US4084725 A, US4020644 A, US4007600 A, US4003214 A, US3972204 A, US3934691 A, US3902331 A, US3889888 A, US3874559 A, US3866434 A, US3850008 A, US3834177 A, US3821881 A, US3789620 A, US3788089 A, US3775994 A, US3747363 A, US3745779 A, US3654772 A, US3640088 A, US3633374 A, US3602007 A, US3581516 A, US3572049 A, US3568465 A, US3561231 A, US3541806 A, US3537273 A, US3440308 A, US3429140 A, US3382682 A, US3364694 A, US3359751 A, US3350899 A, US3308631 A, US3270519 A, US3226939 A, US3225559 A, US3192726 A, US3182464 A, US3151472 A, US3146606 A, US3146601 A, US3126714 A, US3122005 A, US3100970 A, US3026339 A, US3025679 A, US2907180 A, US2894378 A, US2795117 A, US2779165 A, US2774224 A, US2765633 A, US2728203 A, US2724242 A, US2717505 A, US2712733 A, US2605621 A, US2544394 A, US2493488 A, US2412904 A, US2410334 A, US2400634 A, US2256551 A, US2223947 A, US2139441 A, US2011113812 AA, US2006218961 AA, US2003046947 AA, US2003010056 AA, US2003010053 AA, US2002124576 AA, US2002121096 AA, US2001025505 AA, US1604621 A, US1377455 A, US1377411 A, US1064314 A, US1017197 A, KR9883727, KR2001029590 A, KR2000028513 A, KR20000074256 A, KR20000073340 A, KR20000001379 A, KR1999043740 A, KR1999030143 A, KR1999021017 A, KR19990066209 A, KR19990065602 A, KR19990031494 A, KR1998018912 A, KR1997001293 A,

KR1993026175 A, JP9196548, JP9113116, JP8338681, JP6018140 A2, JP6011228 A2, JP60011228, JP56113417, JP5296623 A2, JP51016261 A2, JP50154565 A2, JP50069644, JP4136679 A2, JP4124570, JP3505368 T2, JP3505368, JP2003121043 A2, JP2003090667 A2, JP2003075050 A2, JP2003056966 A2, JP2002350021 A2, JP2002228316, JP2001221555 A2, JP2000320943 A2, JP2000220942 A2, JP2000111299 A2, JP2000105052 A2, JP2000065458, JP2000009372 A2, JP11325691 A2, JP11304331, JP10206004 A2, GB2242731, GB2167544, EP1445558 A2, EP0715136 A1, EP0657706 A1, CN1104608 C, CN1104608, AU2002300161,

Forward Citations: WO16099863, WO10120038, WO08082216, WO08082215, WO08082213, WO07062952, USD712440, USD697094, USD694297, USD694296, USD694295, USD549745, US9714784, US9683771, US9683770, US9683769, US9593870, US9581382, US9568234, US9557091, US9528736, US9482458, US9476627, US9447999, US9417001, US9404682, US9310121, US9291386, US9291382, US9285153, US9285151, US9267724, US9255728, US9250004, US9239181, US9234687, US9222718, US9222717, US9222716, US9207009, US9200827, US9097458, US9097455, US8978406, US8973391, US8966926, US8925340, US8875536, US8863985, US8857206, US8844311, US8826679, US8814284, US8808599, US8794026, US8794024, US8794023, US8789388, US8776544, US8756952, US8733123, US8720221, US8707728, US8695370, US8677775, US8677773, US8627679, US8627677, US8616019, US8616018, US8601830, US8584474, US8578721, US8572999, US8511106, US8495891, US8484987, US8464543, US8459056, US8448462, US8443621, US8438872, US8413460, US8408023, US8408016, US8375734, US8371136, US8353177, US8336330, US8240156, US8151597, US8132423, US8117863, US8096142, US8074464, US8028534, US8020403, US7980089, US7900465, US7895859, US7891198, US7886500, US7870754, US7866773, US7818975, US7762097, US7726148, US7703297, US7681406, US7631513, US7617698, US7617634, US7614244, US7607312, US7594413, US7591141, US7587910, US7568359, US7568357, US7568354, US7552594, US7549297, US7493777, US7458230, US7458229, US7437885, US7418831, US7418830, US7406833, US7386992, US7340914, US7337620, US7287397, US7284392, US7284390, US7272949, US7266973, US7266972, US7266957, US7240512, US7240510, US7228703, US7228702, US7188479, US7185507, US2016084570, US2015308725, US2015135760, US2015115790, US2015033773, US2014150467, US2014013792, US2013205825, US2013199229, US2013199212, US2013167569, US2013105611, US2013061626, US2012111048, US2012111047, US2012060526, US2012006846, US2011252816, US2011214442, US2011162405, US2011132021, US2011113811, US2011094255, US2011000237, US2010319389, US2010293984, US2010281906, US2010257877, US2010251744, US2010251743, US2010218542, US2010218540, US2010218535, US2010218526, US2010218520, US2010218519, US2010218518, US2010199702, US2010192608, US2010126210, US2010126204, US2010122548, US2010122546, US2010095692, US2010064715, US2010050681, US2010050680, US2010050663, US2010043458, US2010030383, US2010018239, US2010000249, US2009266090, US2009145158, US2009113921, US2009044560, US2009038331, US2008156026, US2008156021, US2008156020, US2008156000, US2008155999, US2008148761, US2008134708, US2008127670, US2008104977, US2008053138, US2008041088, US2008034779, US2007227176, US2007163282, US2007018548, US2006272235, US2006272218, US2006266070, US2006266068, US2006266067, US2006266066, US2006266065, US2006266061, US2006266059, US2006266055, US2006265960, US2006260351, US2006260350, US2006260349, US2006260348, US2006260347, US2006260346, US2006260345, US2006260344, US2006260343, US2006260342, US2006260333, US2006213213, US2006201194, US2006201193, US2006201192, US2006201191, US2006201190, US2006201189, US2006144075, US2006144074, US2006090496, US2006086135, US2006086132, US2006086130, US2006086129, US2006086128, US2005252232, US2005210909, US2005178145, US2005160756, US2005005426, KR20120009623, KR20110056943, KR20100110182, KR101700760, KR101659011, KR101658998, KR101283190, KR101088221, KR100716254, KR100621237, JP5271134, JP2010503819, JP2010230224, JP2010203658, JP2010112676, JP2010096410, JP2010071565, EP2685186, EP2623906, EP2431688, EP2419685, EP2419685, EP2414751, EP2097693, EP2097693, CN103542662, CN103542662, CN103185431, CN103185431, CN103017430, CN102575891, CN102575891, CN102441995, CN102395843, CN102395843, CN102378885, CN102378885, CN102221276, CN102213524, CN102171524, CN102132117, AU2010217892,

Abstract:
Source: US2005061016A Refrigerator with an icemaker including a cabinet having a mullion wall for compartmentalization of a freezing chamber and a refrigerating chamber, a case provided to a door on the refrigerating chamber, having a cavity therein, a first duct for supplying cold air from a neighborhood of an evaporator in the freezing chamber to the cavity, the icemaker in the cavity for producing ice, an ice container in the cavity for storing the ice, and a dispenser in the door in communication with the cavity, thereby having ice supplied to a user at an outside of the refrigerator through a dispenser provided to the door.

0) US2006086131A – ICE MAKING AND DISPENSING SYSTEM

32) Family number: 32865703 (US2006086131A) © PatBase

Title: ICE MAKING AND DISPENSING SYSTEM

Priority: US20040973874 20041026

Family:

Publication number	Publication date	Application number	Application date
AU2005225156 AA	20060511	AU20050225156	20051025
AU2005225156 BB	20071122	AU20050225156	20051025
EP1657510 A2	20060517	EP20050109855	20051021
EP1657510 A3	20150520	EP20050109855	20051021
EP1657510 B1	20160817	EP20050109855	20051021
US2006086131 AA	20060427	US20040973874	20041026
US7219509 BB	20070522	US20040973874	20041026

Probable Assignee: WHIRLPOOL CORP

Assignee(s):(std)**:** ANSELMINO JEFFERY J ; CUR NIHAT ; FISCHER MARCUS R ; GUARINO JAMES C ; KULKARNI TUSHAR ; LECLEAR DOUGLAS D ; PASTRYK JIM J ; WHIRLPOOL CORP ; WHIRLPOOL CO

Inventor(s):(std)**:** ANSELMINO JEFFERY J ; CUR NIHAT ; DOUGLAS D LECLEAR ; FISCHER MARCUS R ; GUARINO JAMES C ; GUARINO JAMES C L ; JAMES C L GUARINO ; JEFFERY J ANSELMINO ; JIM J PASTRYK ; KULKARNI TUSHAR ; LECLEAR DOUGLAS D ; MARCUS R FISCHER ; NIHAT CUR ; PASTRYK JIM J ; TUSHAR KULKARNI

Inventor(s): ANSELMINO JEFFERY ; PASTRYK JIM ; LECLEAR DOUGLAS ; GUARINO JAMES CL ; GUARINO JAMES ; FISCHER MARCUS

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GUERCI ALESSANDRO; WHIRLPOOL PATENTS COMPANY – MD 0750; WHIRLPOOL PATENTS CO MD 0750; JOHN F; STEPHEN; ROBERT O

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

International class (IPC 8–9): F25C5/00 F25C5/16 F25C5/18 F25D11/02 F25D21/06 (Advanced/Invention); F25C5/00 F25D11/02 F25D21/06 (Core/Invention)

CPC: F25B2600/2511 F25C5/005 F25C2400/10

European class: F25C5/00B2 R25B600/2511 R25C400/10

US class: 62/344 62/344P 62/441 62/441S

Classification Explorer

Cited documents: WO04085937 A1, US6945068 BB, US6735959 BA, US5758512 A, US5375432 A, US5272888 A, US4587810 A, US4003214 A, US3788089 A, US3146606 A, US2765633 A, US2709343 A, US2005061018 AA, EP1598618 A1, EP1517103 A2,

Forward Citations: WO10066557, WO10066557, WO07084420, WO07084420, USD712440, USD697094, USD694297, USD694296, USD694295, US9683770, US9683769, US9562714, US9528736, US9476627, US9447999, US9417001, US9404682, US9285151, US9267724, US9255728, US9250004, US9222718, US9222717, US9222716, US9207009, US9200828, US9200827, US9175893, US9134063, US9097455, US9021828, US8844311, US8794024, US8756952, US8733123, US8695370, US8650901, US8640482, US8572999, US8443614, US8371136, US8074464, US8047622, US7908873, US7806491, US7614244, US2013000345, US2011067430, US2010326096, US2010293984, US2010242526, US2010229589, US2010175783, US2010115985, US2010050680, US2010050663, US2010018239, US2010000249, US2009293533, US2008148761, US2008034778, US2006097610,

Abstract:
Source: US2006086131A An ice making and dispensing system suitable for making and dispensing ice through the refrigerator compartment door of a bottom freezer refrigerator. The bottom freezer refrigerator includes an automatic ice maker in an insulated module positioned outside the freezer compartment. The insulated module can be mounted to the exterior of the refrigerator cabinet. An ice cube storage bin can be provided in the insulated compartment or on the inside of the refrigerator compartment door. A passage can connect the insulated module

with the ice dispenser on the refrigerator compartment door.

0) US2006086130A – ICE AND WATER DISPENSER ON REFRIGERATOR COMPART...

33) Family number: 32865699 (US2006086130A) © PatBase

Title: ICE AND WATER DISPENSER ON REFRIGERATOR COMPARTMENT DOOR

Priority: US20040973543 20041026

Family:

Publication number	Publication date	Application number	Application date
AU2005225155 AA	20060511	AU20050225155	20051025
EP1684036 A2	20060726	EP20050109945	20051025
EP1684036 A3	20150520	EP20050109945	20051025
EP1684036 B1	20160615	EP20050109945	20051025
US2006086130 AA	20060427	US20040973543	20041026
US7188479 BB	20070313	US20040973543	20041026

Probable Assignee: WHIRLPOOL CORP

Assignee(s):(std)**:** ANSELMINO JEFFERY J ; FISCHER MARCUS R ; KULKARNI TUSHAR ; MAGLINGER FRANK W ; TENBARGE ANDREW M ; WHIRLPOOL CO ; WHIRLPOOL CORP

Inventor(s):(std)**:** TUSHAR KULKARNI ; TENBARGE ANDREW M ; MARCUS R FISCHER ; MAGLINGER FRANK W ; KULKARNI TUSHAR ; JEFFERY J ANSELMINO ; FRANK W MAGLINGER ; FISCHER MARCUS R ; ANSELMINO JEFFERY J ; ANDREW M TENBARGE ; ANSELMINO JEFFERY L

Inventor(s): FISCHER MARCUS ; MAGLINGER FRANK ; TENBARGE ANDREW ; ANSELMINO JEFFERY

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GUERCI ALESSANDRO; WHIRLPOOL POOL PATENTS COMPANY – MD 0750, SUITE 102; WHIRLPOOL POOL PATENTS CO MD 0750 SUITE 102; JOHN F; STEPHEN; ROBERT O

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

International class (IPC 8–9): F25C1/00 F25C5/00 F25C5/18 F25D11/02 F25D17/04 F25D17/08 F25D21/06 (Advanced/Invention); F25C1/00 F25C5/00 F25D11/02 F25D17/04 F25D17/08 F25D21/06 (Core/Invention)

CPC: F25C5/005 F25C2400/10 F25D23/12 F25D2317/062 F25D2323/021

European class: F25C5/00B2 R25C400/10 R25D23/12 R25D317/062 R25D323/021

US class: 62/135 62/340 62/344 62/344P 62/408 62/408S 62/420 62/441 62/441S 62/66 62/660

Classification Explorer

Cited documents: US7076967 BB, US6964177 BB, US6945068 BB, US6735959 BA, US6148624 A, US6085542 A, US6082130 A, US6050097 A, US5896752 A, US5272888 A, US5211462 A, US4970871 A, US4368622 A, US3933198 A, US3789620 A, US3545217 A, US3146601 A, US3025683 A, US3025679 A, US2900803 A, US2199413 A, EP1598618 A1, EP1517103 A2,

Forward Citations: WO12012086, WO10120049, WO10120038, WO08054152, WO08032986, WO06083111, USD712440, US9714784, US9696079, US9683771, US9683770, US9683769, US9677800, US9638450, US9625202, US9599388, US9599387, US9599385, US9593870, US9581363, US9557087, US9518773, US9500398, US9476629, US9476627, US9447999, US9410723, US9404682, US9383132, US9383129, US9322591, US9310115, US9303903, US9285151, US9273891, US9267724, US9255728, US9252570, US9250004, US9228769, US9222718, US9222717, US9222716, US9207009, US9200830, US9200828, US9200827, US9182157, US9175903, US9175902, US9175901, US9175893, US9170045, US9151524, US9115918, US9109829, US9097455, US9038410, US9021828, US8997517, US8991205, US8978406, US8966931, US8966927, US8966926, US8943852, US8925343, US8925342, US8899065, US8844311, US8833093, US8820110, US8794024, US8794014, US8789388, US8776544, US8769981, US8756952, US8733123, US8720221, US8695370, US8677776, US8667809, US8627679, US8584486, US8584474, US8578721, US8573719, US8511106, US8484987, US8464549, US8459056, US8448462, US8443621, US8443619, US8443614, US8438872, US8434322, US8429927, US8429926, US8418497, US8418496,

US8408023, US8397533, US8375739, US8359878, US8353177, US8353171, US8336975, US8336330, US8299656, US8281610, US8266922, US8234880, US8161766, US8042353, US8011537, US7942017, US7921668, US7908882, US7900465, US7891198, US7870754, US7836719, US7779641, US7770408, US7743623, US7726148, US7493777, US7458230, US7458229, US7337620, US2016370091, US2015330694, US2015323238, US2015115790, US2015061484, US2014190188, US2014165621, US2014150473, US2014150465, US2014083128, US2013276472, US2013264439, US2013118201, US2013067947, US2012272678, US2012222435, US2012167611, US2012024002, US2012023997, US2012000216, US2011296864, US2011296689, US2011259035, US2011232317, US2011203305, US2011162392, US2011146327, US2011146312, US2011100039, US2011067430, US2011023525, US2011011103, US2011000238, US2011000237, US2010326118, US2010326102, US2010326096, US2010313594, US2010293984, US2010293983, US2010287971, US2010287970, US2010276442, US2010262295, US2010257889, US2010257877, US2010251744, US2010251743, US2010242526, US2010229588, US2010218542, US2010218540, US2010218535, US2010218526, US2010218520, US2010218518, US2010218514, US2010180608, US2010175783, US2010138073, US2010126204, US2010126185, US2010115985, US2010101257, US2010095692, US2010077789, US2010064704, US2010050677, US2010030383, US2010011796, US2009302724, US2009301126, US2009293501, US2009255291, US2009249822, US2009229297, US2009178431, US2009178429, US2009173098, US2009165494, US2009151386, US2009133430, US2009064703, US2008157644, US2008156823, US2008156026, US2008156024, US2008156021, US2008156016, US2008156000, US2008155999, US2008148762, US2008134708, US2008110194, US2008041088, US2007209382, US2007074527, US2006260350, US2006196214, US2006096312, US2006090496, RU2503898, KR20120011273, KR20110072506, KR101718995, KR101708302, KR101576687, KR100819515, EP2664871, EP2664871, EP2642225, EP2623907, EP2623906, EP2623905, EP2570755, EP2570755, EP2419685, EP2419685, EP2419684, EP2419684, EP2369271, EP1939551, EP1856463, EP1856463, CN104019249, CN103423939, CN103423939, CN102405386, CN102405386, CN102378885, CN102378885, CN102353205, CN101922829, AU2007295228, AU2007239152, AU2007227891,

Abstract:
Source: US2006086130A An ice and water dispenser for a bottom freezer refrigerator positioned on a refrigerator compartment door. The ice maker and ice cube storage bin can have below 0 degrees centigrade air provided to maintain the ice maker and ice cube storage bin below 0 degrees centigrade Supply and return ducts can convey below 0 degrees centigrade air to the ice maker and ice cube storage bin. The supply and return ducts can lead from the bottom freezer compartment or from an evaporator compartment. The ice maker and ice cube storage bin can be located in insulated sub−compartment to allow normal refrigerator compartment temperatures to be maintained in the above freezing refrigerator compartment.

0) US2006086132A – ICE MAKING AND DISPENSING SYSTEM

34) Family number: 32865708 (US2006086132A) © PatBase

Title: ICE MAKING AND DISPENSING SYSTEM

Priority: EP20050109888 20051024 US20040973968 20041026

Family:

Publication number	Publication date	Application number	Application date
AU2005225158 AA	20060511	AU20050225158	20051025
AU2005225158 BB	20080403	AU20050225158	20051025
DE602005030109 D1	20111117	DE200560030109T	20051024
EP1653179 A2	20060503	EP20050109888	20051024
EP1653179 A3	20060510	EP20050109888	20051024
EP1653179 B1	20110921	EP20050109888	20051024
US2006086132 AA	20060427	US20040973968	20041026
US7228702 BB	20070612	US20040973968	20041026

Probable Assignee: WHIRLPOOL CORP

Assignee(s):(std)**:** ANSELMINO JEFFERY J ; CUR NIHAT ; FISCHER MARCUS R ; GUARINO JAMES C ; JIM J P ; KULKARNI TUSHAR ; WHIRLPOOL CORP ; WHIRLPOOL CO ; MAGLINGER FRANK W ; LECLEAR DOUGLAS D

Assignee(s): WHIRLPOOL BENTON HARBOR CORP

Inventor(s):(std)**:** ANSELMINO JEFFERY J ; CUR NIHAT ; DOUGLAS D LECLEAR ; GUARINO JAMES C ; GUARINO JAMES C L ; FISCHER MARCUS R ; FRANK W MAGLINGER ; JAMES C L GUARINO ; JEFFERY J ANSELMINO ; JIM J P ; JIM J PASTRYK ; KULKARNI TUSHAR ; MAGLINGER FRANK W ; MARCUS R FISCHER ; NIHAT CUR ; PASTRYK JIM J ; TUSHAR KULKARNI ; LECLEAR DOUGLAS D

Inventor(s): MAGLINGER FRANK ; ANSELMINO JEFFERY ; LECLEAR DOUGLAS ; JIM J ; GUARINO JAMES ; GUARINO JAMES CL ; GUARINO JAMES CL 21025 ; FISCHER MARCUS

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GUERCI ALESSANDRO; WHIRLPOOL PATENTS COMPANY – MD 0750; WHIRLPOOL PATENTS CO MD 0750; JOHN F; STEPHEN; ROBERT O

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

International class(IPC 8–9)**:** F25C1/00 F25C5/00 F25C5/16 F25C5/18 F25D11/02 F25D21/06 F25D23/12 (Advanced/Invention); F25C1/00 F25C5/00 F25D11/02 F25D21/06 (Core/Invention)

CPC: F25B2600/2511 F25C5/005 F25C2400/10 F25D11/02 F25D17/065 F25D23/12 F25D2317/061

European class: F25C5/00B2 F25D11/02 F25D23/12 R25B600/2511 R25C400/10 R25D17/06A1 R25D317/061

US class: 62/344 62/344P 62/441 62/441S

Classification Explorer

Cited documents: WO04085937 A1, WO03102481 A1, USD470602 S1, US7076967 BB, US6964177 BB, US6945068 BB, US6735959 BA, US6050097 A, US6050095 A, US5375432 A, US4003214 A, US3788089 A, US3765633 A, US3146606 A, US2765633 A, US2709343 A, US2005061018 AA, JP50069644 A2, EP1519131 A1, EP1517103 A2, EP1482263 A2,

Forward Citations: WO08130714, USD712440, USD697094, USD694297, USD694296, USD694295, US9683770, US9683769, US9476627, US9447999, US9404682, US9285151, US9267724, US9255728, US9250004, US9222718, US9222717, US9222716, US9207009, US9200828, US9200827, US9175896, US9175893, US9097455, US8966931, US8925341, US8863546, US8844311, US8794026, US8794024, US8794014, US8756952, US8733123, US8695370, US8522566, US8371136, US8176746, US8074464, US8020403, US7908873, US7832227, US7757511, US7614244, US7587905, US2014020423, US2013327081, US2012031136, US2012023998, US2011239688, US2011232317, US2011203297, US2011167862,

US2011146326, US2011138828, US2011067430, US2011000237, US2010326096, US2010293984, US2010242526, US2010126210, US2010115985, US2010050680, US2010050663, US2009293501, US2009151386, US2008264090, US2008264089, US2008156022, US2008155997, US2008148761, US2007186570, US2006162369, EP2419684,

Abstract:
Source: US2006086132A An ice making and dispensing system suitable for making and dispensing ice through the refrigerator compartment door of a bottom freezer refrigerator. The ice maker is positioned in an insulated sub−compartment in the refrigerator compartment maintained at a temperature below 0 degrees centigrade An insulated ice cube storage bin and ice dispenser are positioned on the refrigerator compartment door for dispensing ice cubes through the face of the refrigerator compartment door.

0) US2006043853A – REFRIGERATOR AND OPENING/CLOSING APPARATUS OF T...

35) Family number: 33631515 (US2006043853A) © PatBase

Title: REFRIGERATOR AND OPENING/CLOSING APPARATUS OF THE SAME

Priority: CA20052515988 20050812 CA20052607853 20050812 EP20050291751 20050818 KR20040067498 20040826

Family:

Publication number	Publication date	Application number	Application date
CA2515988 AA	20060226	CA20052515988	20050812
CA2607853 AA	20060226	CA20052607853	20050812
CN100554834 C	20091028	CN200510096573	20050825
CN1740713 A	20060301	CN200510096573	20050825
DE602005016757 D1	20091105	DE200560016757T	20050818
EP1630502 A2	20060301	EP20050291751	20050818
EP1630502 A3	20060517	EP20050291751	20050818
EP1630502 B1	20090923	EP20050291751	20050818
EP1813895 A2	20070801	EP20070009983	20050818
JP2006064369 A2	20060309	JP20050243935	20050825
KR100626459 B1	20060920	KR20040067498	20040826
KR20060019047 A	20060303	KR20040067498	20040826
US2006043853 AA	20060302	US20050206872	20050819
US8277004 BB	20121002	US20050206872	20050819

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** CHUNG SUNG H ; CHUNG SUNG HOON ; LG ELECTRONICS INC

Inventor(s):(std)**:** CHUNG SUNG HOON ; HOON CHUNG SUNG ; CHUNG SUNG H

Inventor(s): CHUNG SUNG

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; BENTZ JEAN PAUL; GREENBLUM AND BERNSTEIN PLC; MCKENNA LONG AND ALDRIDGE LLP

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

International class (IPC 8–9): A47B95/02 A47B96/04 F25D11/00 F25D23/00 F25D23/02 F25D23/04 F25D23/06 F25D23/10 F25D25/00 F25D25/02 F25D29/00 (Advanced/Invention); F25D23/00 F25D23/02 F25D25/00 (Advanced/Non–invention); A47B96/00 F25D11/00 F25D23/00 F25D23/02 F25D23/04 F25D23/06 F25D23/10 F25D25/00 F25D25/02 F25D29/00 (Core/Invention)

CPC: E05Y2800/71 F25D23/10 E05Y2900/31 F25D23/062 F25D29/00 F25D2323/023 F25D2323/024 F25D2400/06 F25D25/00 F25D23/00 F25D23/02

European class: F25D23/06B F25D23/10 F25D29/00 P05Y900/310 R25D323/023 R25D323/024 R25D400/06

US class: 312/319.7 312/405 312/405P

Classification Explorer

Cited documents: US6925836 BB, US6533375 BB, US4984854 A, US4436352 A, US4358171 A, US2895781 A, US2780926 A, US2614020 A, US2506448 A, US2497734 A, US2456429 A, US2421439 A, US2064926 A, US2040634 A, US2005120738 AA, US2004232810 AA, US2003122459 AA, US2003074911 AA, KR20060019047 A, KR10200467498, JP6046284 U1, JP5296647 A2, JP4113887 U1, JP4078493 U1, JP4078493 A2, JP4011388 U1, JP4011388 A2, JP2136686 A2, JP2002267352 A2, CN2279568 Y, CN1465946 A,

Forward Citations: US9074810, US7992951, US2013257255, US2012181910, US2012073321, US2006232176, JP2006064369, EP2682697, EP2682693, EP2422148, EP1630502, CN102734997, CN102734997,

Abstract:
Source: US2006043853A A refrigerator includes an opening/closing apparatus. In the refrigerator and opening/closing apparatus, an extendible cabinet with shelves is accommodated in a storing compartment. Therefore, food or other items can be loaded in the cabinet and taken out from the cabinet more easily.

36) Family number: 50526022 (US2012097291A) © PatBase

Title: LIFTING AND ROTATING WATER RESERVOIR WITH ATTACHED WATER BOTTLE FOR DISPENSING OF WATER FROM WATER COOLER

Priority: US20100367368P 20100723 US20100427472P 20101227 WO2001US01304 20110723 US20110190268 20110725 US20130773629 20130221 US20140171739 20140203 WO2011US01304 20110723

Family:

Publication number	Publication date	Application number	Application date
EP2595913 A2	20130529	EP20110809980	20110723
EP2595913 A4	20130710	EP20110809980	20110723
GB201303049 A0	20130403	GB20130003049	20110723
GB2496344 A1	20130508	GB20130003049	20110723
MX2013000713 A1	20130530	MX20130000713	20110723
US2012097291 AA	20120426	US20110190268	20110725
US2013168414 AA	20130704	US20130773629	20130221
US2014224378 AA	20140814	US20140171739	20140203
US8408420 BB	20130402	US20110190268	20110725
US8640924 BB	20140204	US20130773629	20130221
WO12011964 A2	20120126	WO2011US01304	20110723
WO12011964 A3	20120719	WO2011US01304	20110723

Probable Assignee: INSPIRATION TREND LLC

Assignee(s):(std)**:** ALMADA GONZALO ; DAHLQUIST KEVIN ; INSPIRATION TREND LLC ; KOVACEVICH IAN ; PHILPOTT THOMAS

Inventor(s):(std)**:** ALMADA GONZALO ; DAHLQUIST KEVIN ; KOVACEVICH IAN ; PHILPOTT THOMAS

Inventor(s): THOMAS PHILPOTT ; GONZALO ALMADA ; IAN KOVACEVICH ; KEVIN DAHLQUIST

Agent(s): TERRY MAMER; TILLMAN WRIGHT PLLC; CHAD D; JEREMY C; TILLMAN CHAD D ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B65B3/04 B65G65/23 B66F7/22 B66F7/28 B67B7/00 B67D3/00 B67D7/06 B67D7/80 B67D7/84 F25D11/00 G01F11/00 (Advanced/Invention)

CPC: B66F9/02 B67D3/0038 B67D3/0032 B67D3/0083 B67D2210/00097 B67D3/0061 B67D3/0051

European class: B67D3/00H2 B67D3/00R8A L67D210/00D10B

US class: 141/2 141/2P 222/1 222/146.1 222/160 222/166 222/173 222/173S 222/185.1 222/185.100S

Classification Explorer

Cited documents: WO12011964 A3, WO12011964 A2, WO02081360 A1, US8408420 BB, US7490577 BB, US7168599 BA, US6843634 BB, US6834691 BB, US6830421 BA, US6820772 BA, US6715647 BA, US6561753 BB, US6349906 BA, US5944470 A, US5846043 A, US5784740 A, US5732857 A, US5592724 A, US5582503 A, US5425614 A, US5406996 A, US5388953 A, US5379814 A, US5372470 A, US5288200 A, US5280764 A, US5207182 A, US5127618 A, US5105858 A, US4993229 A, US4846236 A, US4797050 A, US4646944 A, US4629096 A, US4569463 A, US4213727 A, US4036382 A, US2414774 A, US2012097291 AA, US2009304487 AA, US2008142549 AA, US2008053564 AA, US2007079762 AA, US2005045426 AA, DE3207437 A1,

Forward Citations: US9505601, US8640924, US8408420, US2014252040, CN103690051,

Abstract:
Source: US2012097291A A water dispensing apparatus includes a lifting system and a water reservoir. The apparatus automatically installs a water bottle by lowering and inverting the water reservoir atop a water bottle, coupling the water reservoir to the water bottle, and raising and inverting the water reservoir with the water bottle coupled therewith. One or more compartments are filled with water from the inverted water bottle, and water is dispensed from each compartment through a dispenser. Multiple compartments may be included in the water reservoir, with the water in one compartment being electrically cooled and water in another compartment being electrically heated.

0) US2014230481A – REFRIGERATOR

37) Family number: 57224626 (US2014230481A) © PatBase

Title: REFRIGERATOR

Priority: AU20140200864 20140219 AU20160200764 20160205 KR20130017774 20130220 KR20130043147 20130418 CN201410057249 20140220 EP20140155369 20140217 US20140183972 20140219 US20160096934 20160412 US20160096651 20160412 US20170490462 20170418

Family:

Publication number	Publication date	Application number	Application date
AU2014200864 AA	20140904	AU20140200864	20140219
AU2014200864 BB	20160317	AU20140200864	20140219
AU2016200764 AA	20160225	AU20160200764	20160205
AU2016200764 BB	20170413	AU20160200764	20160205
CN103994624 A	20140820	CN201410057249	20140220
CN103994624 B	20160608	CN201410057249	20140220
CN105509397 A	20160420	CN201610082145	20140220
CN105650971 A	20160608	CN201610082464	20140220
DE602014003438 D1	20161013	DE201460003438T	20140217
EP2770280 A2	20140827	EP20140155369	20140217
EP2770280 A3	20150415	EP20140155369	20140217
EP2770280 B1	20160907	EP20140155369	20140217
EP3054242 A1	20160810	EP20160158205	20140217
EP3056842 A1	20160817	EP20160158206	20140217
EP3062049 A1	20160831	EP20160158207	20140217
EP3062049 A8	20161005	EP20160158207	20140217
KR101519198 B1	20150511	KR20130043147	20130418
KR20140104094 A	20140828	KR20130017774	20130220
KR20140125233 A	20141028	KR20130043147	20130418
US2014230481 AA	20140821	US20140183972	20140219
US2016223247 AA	20160804	US20160096934	20160412
US2016223251 AA	20160804	US20160096651	20160412
US2017219274 AA	20170803	US20170490462	20170418
US9506682 BB	20161129	US20140183972	20140219
US9664432 BB	20170530	US20160096934	20160412

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** LG ELECTRONICS INC

Inventor(s):(std)**:** AN SI YEON ; AN SIYEON ; HANGBOK LEE ; HYOKKU KWON ; JONGHO YUN ; KIM SEONKYU ; KWON HYOKKU ; KYUNGSOO PARK ; KYUTAE PARK ; LEE HANGBOK ; PARK KYUNGSOO ; PARK KYUTAE ; SEONKYU KIM ; SIYEON AN ; YUN JONG HO ; YUN JONGHO ; PARK KYUNG SOO ; PARK KYU TAE ; LEE HANG BOK ; KWON HYOK KU ; KIM SEON KYU

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; TER MEER STEINMEISTER AND PARTNER PATENTANWAELTE MBB; URNER PETER; TER MEER STEINMEISTER AND PARTNER; FISH AND RICHARDSON PC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9)**:** B67D1/00 B67D1/08 F25C1/00 F25C1/24 F25C5/00 F25D11/00 F25D11/02 F25D13/00 F25D17/00 F25D17/02 F25D21/14 F25D23/00 F25D23/02 F25D23/12 F25D25/00 F25D29/00 (Advanced/Invention)

CPC:

F25D2323/121 F25D2323/122 F25D23/028 F25C5/005 F25C2400/10 F25D2400/361 F25D29/005 F25D25/021 F25D2323/023 F25D2400/36 B67D1/0014 B67D1/0894 B67D2210/00036 F25D23/126 F25D11/02

US class: 222/130 62/126 62/340

Classification Explorer

Cited documents: WO11013953 A2, WO11007903 A1, WO10027116 A1, WO08088183 A3, WO08088183 A2, WO04085937 A1, US7587910 BB, US2014131382 AA, US2012181304 AA, US2011185762 AA, US2010287971 AA, US2010212333 AA, US2007289669 AA, US2004148958 AA, KR2013017003 A, KR20130017003 A, KR2012041450 A, KR20120041450 A, KR20120041450, KR20110109398 A, KR20110085099 A, KR20110017309 A, KR20100081910 A, KR2009096211 A, KR20090096211 A, KR20090096211, GB2426569 A1, EP2444763 A2, EP2407739 A2, EP1626236 A2, CN1548889 A, CN1212356 A, CN1196118 A, CN102455109 A, CN102331131 A, CN101769666 A, CN101592427 A, CN101441019 A,

Forward Citations: USD762657, USD754150, USD753153, US9651296, US2016370070, US2016290710, US2016131418, US2016025406, KR20150094904, KR101760177, KR101738294, KR101601391, EP3096097, EP3076116, EP2908075, CN104833158, CN104833158, CN104545478, CN104545478, CN104180600, CN104180600, CN104180583,

Abstract:
Source: US2014230481A A refrigerator includes a main body that defines a storage space, a door configured to open or close the storage space, and a dispenser located in the door and configured to dispense cooled water and purified water. The refrigerator also includes a purified water input part that inputs a command for dispensing the purified water, a cooled water input part that inputs a command for dispensing the cooled water, and a dispensing amount input part that sets an amount of purified water to be dispensed based on the purified water being selected through the purified water input part. The refrigerator further includes a filter device located within the storage space to purify water supplied from a water supply source, and a water tank storing water that has passed through the filter device in a cooled state.

38) Family number: 44581491 (US2010070091A) © PatBase

Title: ENERGY MANAGEMENT OF HOUSEHOLD APPLIANCES

Priority:

CA20112753953	20110929	CA20112757796	20111110	US20090559539	20090915
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WO2009US56889	20090915	WO2009US56906	20090915	WO2009US56919	20090915

Family:

Publication number	Publication date	Application number	Application date
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WO10031030 A1	20100318	WO2009US56919	20090915	

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A21B1/02 A21B1/22 A47J36/00 A47L15/42 A47L15/46 B08B3/04 B08B7/04 D06F33/00 D06F33/02 D06F35/00 D06F39/00 D06F58/28 D06L1/00 D06L1/20 F24C11/00 F24C3/12 F24C7/00 F24C7/02 F24C7/08 F24F11/00 F24F7/007 F24H1/18 F24H1/20 F24H9/20 F25B13/00 F25B49/00 F25C1/00 F25D13/04 F25D23/00 F25D27/00 F25D29/00 F25D3/00 F26B19/00 F26B21/06 F26B25/06 G01M1/38 G01R21/00 G01R22/00 G05B13/02 G05B15/00 G05B19/042 G05D11/00 G05D17/00 G05D23/19 G05D3/12 G05D5/00 G05D7/00 G05D7/06 G05D9/00 G06F1/26 G06F1/28 G06F1/32 G06F15/177 G06F19/00 G06F9/00 G06F9/24 G06Q30/00 G06Q50/00 G06Q50/06 G08C17/02 H02J13/00 H02J3/00 H02J3/12 H02J3/14 H04Q5/22 H05B1/02 H05B3/02 H05B6/68 (Advanced/Invention);
F25D23/00 F25D29/00 G01R22/00 G06F17/00 G06Q50/00 H02J13/00 H02J3/14 (Advanced/Non–invention);
A47J36/00 A47L15/42 D06F33/00 D06F39/00 D06L1/00 F24C11/00 F24C7/00 F24F11/00 F24F7/007 F24H1/18 F25B13/00 F25C1/00 F25D13/00 F25D27/00 F25D3/00 F26B19/00 F26B21/06 F26B25/06 G01R21/00 G05B15/00 G05D11/00 G05D17/00 G05D3/12 G05D5/00 G05D7/06 G05D9/00 G06F1/26 G06F1/32 G06F19/00 G06Q30/00 G06Q50/00 H02J13/00 H02J3/12 H04Q5/00 H05B1/02 H05B6/68 (Core/Invention);
G06F17/00 (Core/Non–invention)

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European class: D06F33/02 D06F35/00E4 D06F39/00R F24C3/12F2 F24C7/08C G06Q50/06 H02J3/14 H05B1/02B2B1B T02J13/00F4B8 T02J3/14 T02J3/14T Y02B70/32B4 Y02B70/32D2B Y04S20/22C Y04S20/22C2 Y04S20/24B2

US class: 1/1 134/18 134/18P 134/25.2 134/56.00DS 134/56D 219/396 219/412 219/414 219/483 219/485 219/486 219/489 219/490 219/492 219/492S 219/493 219/494 219/494P 219/497 219/506 219/506S 219/507 219/509 219/510 219/517 219/519 219/702 219/702S 219/720 219/721 236/49.3 236/49.300S 307/31 307/35 307/38 307/39 34/218 34/218S 34/543 34/543S 34/572 34/572S 34/88 34/88S 340/10.1 340/10.4 340/10.400P 340/13.1 340/13.25 340/870.17 392/308 392/308S 392/441 392/441S 426/231 426/231P 62/157 62/228.1 62/230 62/264 62/264P 62/324.6 62/324.600S 62/340 62/340S 62/389 62/389S 62/441 62/441S 68/12.02 68/12.020S 68/12.12 68/12.14 68/12.16 68/12.160S 68/12.21 68/13.00RS 68/13R 68/20 700/17 700/275 700/275S 700/276 700/278 700/278P 700/282 700/282P 700/286 700/291 700/295 700/295P 700/296 700/296P 700/296S 700/297 700/299 700/300 700/83 700/90 700/90S 702/61 702/61S 705/412 705/412P 713/1 8/137 8/137P 8/158 99/325 99/325S

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Abstract:
Source: US2010070091A An appliance for conditioning air of a room comprises one or more power consuming features/functions including a temperature controlling element for one of heating and cooling air. A controller is operatively connected to the one or more power consuming features/functions. The controller is configured to receive and process a signal indicative of a utility state. The controller operates the appliance in one of a plurality of operating modes, including at least a normal operating mode and an energy savings mode in response to the received signal. The controller is configured to at least one of selectively adjust and deactivate at least one of the one or more power consuming features/functions to reduce power consumption of the appliance in the energy savings mode.

39) Family number: 57982539 (US2014361875A) © PatBase

Title: METHOD, APPARATUS, AND COMPUTER PROGRAM PRODUCT FOR TAG AND INDIVIDUAL CORRELATION

Priority:

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LEWIS; ALSTON AND BIRD LLP; ALSTON AND BIRD LLP ET AL; XIANG ALAN ET AL; MCKAY DOUGLAS E ET AL; ZEBRA TECHNOLOGIES ET AL CORP; GLITTO DANIEL J ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A41D1/00 A41D1/04 A42B3/30 A61B5/02 A61B5/11 A63B24/00 A63B71/06 A63F13/12 A63F13/537 A63F13/798 A63F13/828 A63F9/24 G01S1/02 G01S11/02 G01S11/06 G01S13/76 G01S19/48 G01S3/02 G01S5/02 G01S5/06 G05B15/02 G06F11/07 G06F17/30 G06F19/00 G06K19/07 G06K7/10 G06K9/00 G06N5/02 G06N7/00 G06Q10/06 G06Q10/08 G06Q10/10 G06Q20/32 G06Q30/00 G06Q30/02 G06Q30/06 G06Q50/20 G06Q50/22 G06T3/40 G07C1/22 G08C17/02 G09B19/00 H04B1/00 H04B1/10 H04B1/7097 H04B1/7163 H04B1/719 H04L12/26 H04L29/08 H04Q9/00 H04Q9/14 H04W4/00 H04W4/02 H04W84/18 (Advanced/Invention); A61B90/98 G01S13/87 G06K17/00 G06K7/10 G06K9/00 G06Q90/00 H04W4/00 (Advanced/Non–invention)

CPC: H04Q2209/43 H04Q2209/823 H04W84/18 A63F13/798 A63F13/537 A63F13/828 G06Q30/0205 G06Q10/087 G06Q10/10 G06Q30/0201 G06Q30/0202 G06F11/0772 G06Q30/0635 G06Q20/3224 G06T11/206 A63F13/65 H04W4/021 H04W4/206 A63B71/06 A63B71/0622 G06F17/30876 H04L67/12 A63B71/0619 G01S5/0226 G01S5/0289 H04Q9/14 G01S5/0294 G01S5/0221 H04L69/324 G06K19/0716 G06K19/0717 G06K19/0718 G06K19/0723 G06F19/3437 A63B24/00 A63B2024/0025 A63B2220/836 A63B2225/50 A63B2225/54 G06K7/10297 G06K2017/0045 H04B1/719 A63B24/0062 G06N5/02 G06Q10/06 G06Q30/00 G06K7/10227 G06K7/10306 G06K7/10366 G08C17/02 H04L67/08 H04W4/006 H04W4/028 G06Q50/22 G01S13/767 G06F17/30864 G06F17/3087 G06K9/00342 G09B19/0038 H04B1/7097 H04B1/71635 H04B1/71637 H04W4/02 H04Q9/00 H04Q2209/47 H04W4/008 H04L43/04 G01S5/06 G06Q10/0639 G06Q90/00 G07F17/3237 G07F17/3239 G07F17/3288 G06Q50/20 G07F17/3234 G07F17/3248 A41D1/002 A41D1/04 A42B3/30 A63B71/0686 A63B2220/12 G01S5/0284 G01S13/765 G01S13/878 G01S19/48 G05B15/02 G06F17/30879 G06N7/005 A41D1/005 A63B2220/40 A63B2024/0028 A63B2024/0056 A41D2600/10 H04B1/1036 A63B24/0021

US class: 1/1 340/10.1 340/539.12 340/8.1 340/870.01 340/870.07 342/451 342/463 345/661 375/130 375/148 455/307 455/456.1 463/31 700/91 703/11 705/26.81 705/28 705/7.31 706/21 709/224 714/57

Classification Explorer

Cited documents: WO9961936 A1, WO9805977 A1, WO15051813 A1, WO14197600 A1, WO10083943 A1, WO06022548 A1, WO0108417 A1, US9381645 BA, US9185361 BB, US9081076 BB, US8989880 BB, US8842002 BB, US8795045 BB, US8780204 BB, US8775916 BB, US8705671 BB, US8696458 BB, US8665152 BA, US8568278 BB, US8477046 BB, US8457392 BB, US8289185 BB, US8279051 BB, US8269835 BB, US8077981 BB, US8023917 BB, US8009727 BB, US7969348 BB, US7899006 BB, US7755541 BB, US7739076 BA, US7710322 BA, US7671802 BB, US7667604 BB, US7263133 BA, US7190271 BB, US7009638 BB, US6882315 BB, US6836744 BA, US6812884 BB, US6710713 BA, US6655582 BB, US6593885 BB, US6380894 BA, US6366242 BA, US6204813 BA, US6176837 BA, US6176837 B1, US6121926 A, US6028626 A, US5995046 A, US5930741 A, US5920287 A, US5901172 A, US5793630 A, US5699244 A, US5645077 A, US5513854 A, US5469409 A, US5119104 A, US5046133 A, US4270145 A, US3732500 A, US2016097837 AA, US2016059075 AA, US2016008693 AA, US2015379387 AA, US2015378002 AA, US2015375083 AA, US2015375041 AA, US2015360133 AA, US2015358852 AA, US2015355311 AA, US2015148129 AA, US2015097653 AA, US2015088617 AA, US2015085111 AA, US2015057981 AA, US2015002272 AA, US2014372133 AA, US2014365415 AA, US2014364141 AA, US2014361909 AA, US2014361906 AA, US2014361875 AA, US2014345375 AA, US2014320660 AA, US2014301427 AA, US2014221137 AA, US2014170607 AA, US2014156036 AA, US2014145828 AA, US2014089243 AA, US2014074510 AA, US2014055588 AA, US2014038544 AA, US2013339156 AA, US2013268185 AA, US2013257598 AA, US2013202062 AA, US2013197981 AA, US2013147608 AA, US2013142384 AA, US2013138518 AA, US2013138386 AA, US2013115904 AA, US2013096704 AA, US2013093625 AA, US2013076645 AA, US2013066448 AA, US2013041775 AA, US2013041590 AA, US2013040574 AA, US2013021206 AA, US2013021142 AA, US2013003860 AA, US2012268239 AA, US2012256745 AA, US2012246795 AA, US2012231739 AA, US2012225676 AA, US2012218301 AA, US2012212505 AA, US2012184878 AA, US2012139708 AA, US2012126973 AA,

US2012112904 AA, US2012081531 AA, US2012065483 AA, US2012057640 AA, US2012057634 AA, US2012057489 AA, US2012042326 AA, US2012024516 AA, US2012015665 AA, US2012014278 AA, US2011320322 AA, US2011300905 AA, US2011261195 AA, US2011195701 AA, US2011188513 AA, US2011169959 AA, US2011151953 AA, US2011140970 AA, US2011134240 AA, US2011084806 AA, US2011064023 AA, US2011063114 AA, US2011054782 AA, US2011025847 AA, US2011013087 AA, US2011002223 AA, US2010328073 AA, US2010283630 AA, US2010278386 AA, US2010250305 AA, US2010228314 AA, US2010174506 AA, US2010150117 AA, US2010060452 AA, US2010054304 AA, US2010045508 AA, US2010026809 AA, US2009231198 AA, US2009141736 AA, US2009048044 AA, US2008291024 AA, US2008285805 AA, US2008281443 AA, US2008269016 AA, US2008266131 AA, US2008262885 AA, US2008224866 AA, US2008204248 AA, US2008186231 AA, US2008182724 AA, US2008140233 AA, US2008129825 AA, US2008113787 AA, US2008106381 AA, US2008065684 AA, US2007296723 AA, US2007176749 AA, US2007091292 AA, US2006281061 AA, US2006271912 AA, US2006264730 AA, US2006252476 AA, US2006164213 AA, US2006139167 AA, US2006067324 AA, US2005207617 AA, US2005148281 AA, US2005093976 AA, US2005075079 AA, US2005059998 AA, US2005031043 AA, US2005026563 AA, US2004260828 AA, US2004260470 AA, US2004249969 AA, US2004178960 AA, US2004108954 AA, US2004062216 AA, US2004022227 AA, US2003227453 AA, US2003163287 AA, US2003128100 AA, US2003095186 AA, US2003090387 AA, US2002135479 AA, US2002130835 AA, US2002116147 AA, US2002114493 AA, US2002041284 AA, US2002004398 AA, US2001030625 AA, US2001010541 AA, EP2474939 A1, EP1503513 A1, EP1253438 A2, EP1241616 A2, EP1235077 A2,

Forward Citations: WO17083585, WO17034767, WO17015530, WO17007623, WO16196863, WO16187298, WO16164368, WO16163904, WO15187991, US9724588, US9715005, US9706489, US9699365, US9699278, US9698841, US9697427, US9697399, US9687742, US9680415, US9668164, US9667287, US9661455, US9661009, US9652949, US9647990, US9626616, US9610491, US9602152, US9591349, US9583149, US9578377, US9575621, US9571143, US9531415, US9529076, US9522686, US9517417, US9502018, US9474933, US9468850, US9398213, US9398028, US9342785, US9306965, US9305441, US9292831, US9220078, US9185361, US9147150, US2017169681, US2017012768, US2017001118, US2016295078, US2016214000, US2016198454, US2016182940, US2016101358, US2016100273, US2015370877, US2015358771, US2015339952, US2015339032, US2015310894, US2015199480, US2015188786, US2015182841, US2015142716, US2015141144, US2015109457, US2015097965, US2015025714, US2014365415, US2014361928, US2014259133, US2014111322, US2010026809,

Abstract:
Source: US2014361875A Provided herein are systems, methods and computer readable media for monitoring the health and fitness of an individual. An example method comprises correlating a tag and a sensor to the individual, receiving tag derived data indicative of a location for the individual, and receiving sensor derived data indicative of at least one of a health, a fitness, an operation level, or a performance level for the individual. The method further comprises associating the sensor−derived data with the location for the individual based on the location of the sensor.

0) US2015344176A – PORTABLE WATER SUPPLY

40) Family number: 60977091 (US2015344176A) © PatBase

Title: PORTABLE WATER SUPPLY

Priority: US20140295281 20140603 US20160250042 20160829 WO2015US31871 20150521 US20170582302 20170428

Family:

Publication number	Publication date	Application number	Application date
CA2951122 AA	20161202	CA20152951122	20150521
CN106687388 A	20170517	CN201580032784	20150521
EP3152130 A1	20170412	EP20150803628	20150521
JP2017516938 T2	20170622	JP20170516250T	20150521
KR20170042262 A	20170418	KR20167037030	20150521
SG11201610122T A1	20170127	SG20161110122	20150521
US2015344176 AA	20151203	US20140295281	20140603
US9428326 BB	20160830	US20140295281	20140603
US9643768 BA	20170509	US20160250042	20160829
US9708113 BA	20170718	US20170582302	20170428
WO15187374 A1	20151210	WO2015US31871	20150521

Probable Assignee: MARLIDO LLC

Assignee(s):(std)**:** MARLIDO LLC

Assignee(s): SEIBOLD WILLIAM ; MAR

Inventor(s):(std)**:** SEIBOLD WILLIAM

Agent(s): DENTONS CANADA LLP; BOULT WADE TENNANT; NISHIJIMA TAKAKI; KURASAWA ICHIRO; MATSUSHITA MITSURU; DESHIMARU TAKESHI; DENTONS US LLP; ERIC L; SOPHIR ERIC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class(IPC 8–9)**:** B65D19/42 B65D21/02 B65D25/00 B65D25/38 B65D77/06 B65D77/30 B65D85/72
E03B11/02 (Advanced/Invention);
E03B11/02 (Advanced/Non–invention)

CPC: E03B11/02 B65D77/06 B65D77/30 B65D77/061 B65D85/72 B65D21/0209 B65D25/38

US class: 1/1 220/4.16

Classification Explorer

Cited documents: US9428326 BB, US8569433 BB, US8562791 BB, US8543242 BB, US8313644 BB, US8303899 BB, US8162180 BB, US8133400 BB, US8017701 BB, US7957947 BB, US7938291 BB, US7905368 BA, US7841289 BA, US7819274 BB, US7762393 BB, US7708186 BB, US7699186 BB, US7681783 BB, US7500442 BA, US7389909 BB, US7360784 BB, US7350670 BB, US7311829 BB, US7308989 BB, US7188747 BB, US7090779 BB, US7036676 BB, US7021242 BB, US7014077 BB, US6902061 BA, US6726052 BA, US6694739 BB, US6681956 BB, US6474759 BB, US6401953 BB, US6390331 BB, US6220474 BA, US6182453 BA, US6152707 A, US5997737 A, US5979972 A, US5979685 A, US5853581 A, US5819773 A, US5799818 A, US5746343 A, US5722552 A, US5564599 A, US5497897 A, US5482179 A, US5437384 A, US5405234 A, US5289937 A, US5269414 A, US5148939 A, US4903864 A, US4640328 A, US4573508 A, US4560090 A, US4401239 A, US4276767 A, US3734525 A, US2437618 A, US2013263789 AA, US2013127074 AA, US2013056899 AA, US2013037114 AA, US2012267232 AA, US2012251388 AA, US2012241448 AA, US2012132650 AA, US2011215054 AA, US2011056519 AA, US2011011273 AA, US2010308047 AA, US2010254633 AA, US2010000995 AA, US2009313996 AA,

US2009166368 AA, US2009078700 AA, US2009019882 AA, US2008283525 AA, US2008237101 AA, US2008105678 AA, US2006180643 AA, US2006157343 AA, US2006019047 AA, US2004244996 AA, US2003070430 AA,

Forward Citations: US9708113, US9643768,

Abstract:
Source: US2015344176A Embodiments of the disclosed invention provide for a wheeled apparatus suitable for storing liquids, such as water for consumption, when ordinary drinking water may be scarce or unavailable. Embodiments disclosed herein can be collapsed and stored in a small profile arrangement during periods when the apparatus is not in use. Embodiments may comprise wheels so that the apparatus may be assembled in one location and rolled to a water source, and rolled to shelter when full of water. Embodiments may provide a hose to connect the apparatus to a standard household faucets or spigots. Once the present invention is filled, it can be rolled to storage location while awaiting future needs. After an emergency situation passes, the apparatus may be drained and re−packed for storage.

0) US2004149136A – SYSTEMS USEFUL FOR BEVERAGE MAKING MACHINES

41) Family number: 30574298 (US2004149136A) © PatBase

Title: SYSTEMS USEFUL FOR BEVERAGE MAKING MACHINES

Priority: CA20022411809 20021108 CA20022660302 20021108 CA20092411809 20090424 US20070728421 20070326 US20060493106 20060726 WO2003CA01718 20031110 US20030705411 20031110 US20100780474 20100514

Family:

Publication number	Publication date	Application number	Application date
AT407612 E	20080915	AT20030773393T	20031110
AU2003281879 AA	20040607	AU20030281879	20031110
CA2411809 AA	20040508	CA20022411809	20021108
CA2411809 C	20090623	CA20022411809	20021108
CA2660302 AA	20040508	CA20022660302	20021108
CA2660302 C	20130507	CA20022660302	20021108
DE60323527 D1	20081023	DE20036023527	20031110
EP1558118 A2	20050803	EP20030773393	20031110
EP1558118 B1	20080910	EP20030773393	20031110
HK1079069 A1	20090508	HK20060101019	20060123
HK1079069 A3	20060331	HK20060101019	20060123
JP2006505311 T2	20060216	JP20040548993T	20031110
JP4343842 B2	20091014	JP20040548993T	20031110
US2004149136 AA	20040805	US20030705411	20031110
US2006261085 AA	20061123	US20060493106	20060726
US2008034977 AA	20080214	US20070728421	20070326
US2010219201 AA	20100902	US20100780474	20100514
US7441495 BB	20081028	US20060493106	20060726
WO04041043 A2	20040521	WO2003CA01718	20031110
WO04041043 A3	20040923	WO2003CA01718	20031110

Probable Assignee: KEURIG CANADA INC

Assignee(s):(std)**:** VKI TECHNOLOGIES INC ; NORMANDEAU JOE ; HARNOIS MARTIN ; HALLE PATRICK ; HACHE DENIS ; DECLOS ROBERT ; THERIAULT ERIC ; GRENIER PASCAL ; GRANT STEPHEN ; GAUTHIER ANDRE ; BOULIANE REJEAN ; BOURGOUIN ROGER ; BRAZEAU PATRICK

Assignee(s): CREDIT SUISSE CAYMAN ISLANDS BRANCH AS COLLATERAL ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGE ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AS ; KEURIG CANADA INC

Inventor(s):(std)**:** GAUTHIER ANDRE ; GRANT STEPHEN ; GRENIER PASCAL ; HACHE DENIS ; HALLE PATRICK ; HARNOIS MARTIN ; NORMANDEAU JOE ; NROMANDEAU JOE ; BOUILIANE REJEAN ; BOULIANE REJEAN ; BOURGOUIN ROGER ; BRAZEAU PATRICK ; DECLOS ROBERT ; THERIAULT ERIC

Inventor(s): ANDRE GAUTHIER ; DENIS HACHE ; ERIC THERIAULT ; PASCAL GRENIER ; PATRICK BRAZEAU ; PATRICK HALLE ; REJEAN BOULIANE ; ROBERT DECLOS ; ROGER BOURGOUIN ; STEPHEN GRANT ; JOE NORMANDEAU ; MARTIN HARNOIS

Agent(s): BCF LLP; ROBIC; HOFFMANN JOERG PETER; TIMOTHY E NAUMAN ESQ FAY SHARPE FAGAN MINNICH AND MCKEE LLP; FAY SHARPE LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47J31/00 A47J31/24 A47J31/40 A47J31/44 A47J31/46 A47J31/54 A47J47/01 B65D83/06 B65G33/08 B65G33/24 B67D1/08 B67D5/08 B67D5/10 B67D5/14 B67D5/32

B67D5/34 B67D5/38 B67D7/08 B67D7/10 B67D7/14 B67D7/32 B67D7/36 B67D7/56 B67D7/82 G07F13/06 (Advanced/Invention);
A47J (Subclass/Invention)

International class (IPC 1–7): A23F3/00 A47J31/40 A47J47/01

CPC: A47J31/401 A47J31/404

European class: A47J31/40C A47J31/40E

US class: 141/351 222/146.2 222/146.200S 222/23 222/23P 222/23S 222/40 222/40S 222/54 222/54P 222/563 222/563S 99/275 99/275P 99/275S 99/295 99/299 99/323.3 99/323.300P 99/323.300S

Classification Explorer

Cited documents: WO9507041 A1, WO0064318 A1, WO0044268 A1, WO0038558 A1, US6571686 BA, US6450371 BA, US6389948 BA, US6289948 BA, US5957036 A, US5791526 A, US5421491 A, US5133247 A, US4665808 A, US4541552 A, US4357861 A, US4191101 A, US3682090 A, US3586214 A, US3072299 A, US3046869 A, US3046856 A, US2911901 A, US2183837 A, US2002960054, US2002096054 AA, US046662, EP1224894A18, EP1224894 A1, EP0640311 A1, EP0331271 A1, CA1144117 A1,

Forward Citations: WO12136643, WO10063035, WO10063035, WO10043313, WO09140349, WO09140349, WO09000836, WO09000836, WO08155063, WO08155063, WO08049222, US9394153, US9107537, US8820218, US8820214, US8651013, US8622257, US8541042, US8535748, US8528466, US8524306, US8418603, US8414953, US8328411, US8161865, US8114459, US8114458, US8114457, US8043645, US7975882, US7802514, US7258061, US2015150294, US2014373969, US2014030418, US2012031278, US2010126353, US2009285966, US2008302249, US2008245239, US2008166463, US2008053314, US2007290003, US2006207433, TWI457101, RU2484752, KR101249124, EP2123201, EP1867258, CN103596475,

Abstract:
Source: US2004149136A Various systems are provided which may be used in a beverage machine for dispensing one or more, (in particular a plurality of) beverage types. A beverage machine may thus comprise one or more systems selected from the group consisting of i) a conveyance system for the dispensing of particulate material; ii) a beverage selection system providing for the possibility of selecting from among a class of beverages; and iii) a hot water dispensing system which may have a system for detecting the absence of water in the fluid conduit component thereof.

0) US2007062602A – WATER COOLER CADDY

42) Family number: 52171134 (US2007062602A) © PatBase

Title: WATER COOLER CADDY

Priority: US20050595908P 20050816 US20060356937 20060217 WO2006US31837 20060815

Family:

Publication number	Publication date	Application number	Application date
AT475600 E	20100815	AT20060801525T	20060815
DE602006015821 D1	20100909	DE200660015821T	20060815
EP1919788 A1	20080514	EP20060801525	20060815
EP1919788 B1	20100728	EP20060801525	20060815
US2007062602 AA	20070322	US20060356937	20060217
US7896037 BB	20110301	US20060356937	20060217
WO07022187 A1	20070222	WO2006US31837	20060815

Probable Assignee: SQUARE 1 PRODUCT DEVELOPMENT INC

Assignee(s):(std)**:** ALSBERG KEITH D ; BACKSTROM MIKAEL ; COWEN MATTHEW A ; SQUARE 1 PRODUCT DEV INC

Assignee(s): SQUARE 1 PRODUCT DEVELOPMENT INC

Inventor(s):(std)**:** ALSBERG KEITH ; ALSBERG KEITH D ; BACKSTROM MIKAEL ; BAECKSTROEM MIKAEL ; COWEN MATTHEW ; COWEN MATTHEW A

Agent(s): MERRIFIELD SARAH ELIZABETH; BRINKS HOFER GILSON AND LIONE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B65B3/04 B65D21/02 B67C3/02 B67D7/78 (Advanced/Invention); B65B3/04 B65D21/02 (Core/Invention)

CPC: B67D3/00 B67D3/0029

European class: B67D3/00 B67D3/00H

US class: 141/174 141/98 141/98P 220/500 222/130

Classification Explorer

Cited documents: WO9600178 A1, USD247940 S1, US6866166 BB, US5984131 A, US5971200 A, US5372827 A, US5303500 A, US5301833 A, US4895418 A, US4826007 A, US4323172 A, US3788487 A, US3262596 A, US1778248 A, GB2357073 A1, GB2264921 A1, DE1586701 B,

Forward Citations: USD702982, USD688537, US8684050, US8123069, US2013233438,

Abstract:
Source: US2007062602A A water cooler caddy device for use in conjunction with a water cooler or other beverage dispenser. The water cooler caddy has an arcuate inner surface as an interface with the water bottle and is sized such that it may be placed over the water bottle and slid down so that it either rests on an upper surface of the water cooler, or is supported by the side of the water bottle. The water cooler caddy may have a gap in the circumference so that the radius of the inner surface may be temporarily increased to facilitate installation. Partitions are used to form compartments to contain service items.

0) US2006090496A – APPARATUS AND METHOD FOR DISPENSING ICE FROM A ...

43) Family number: 32840500 (US2006090496A) © PatBase

Title: APPARATUS AND METHOD FOR DISPENSING ICE FROM A BOTTOM MOUNT REFRIGERATOR

Priority: CA20052521359 20050927 US20040613241P 20040927 US20050236126 20050927 US20060421802 20060602 US20100850845 20100805 US20110228207 20110908 US20120603547 20120905 US20160370844 20161206 US20160370859 20161206

Family:

Publication number	Publication date	Application number	Application date
CA2521359 AA	20060327	CA20052521359	20050927
US2006090496 AA	20060504	US20050236126	20050927
US2006201189 AA	20060914	US20060421802	20060602
US2010293984 AA	20101125	US20100850845	20100805
US2012000234 AA	20120105	US20110228207	20110908
US2012324937 AA	20121227	US20120603547	20120905
US2017082339 AA	20170323	US20160370844	20161206
US2017082340 AA	20170323	US20160370859	20161206
US7386992 BB	20080617	US20060421802	20060602
US7386992 C1	20140128	US20060421802	20060602
US8353177 BB	20130115	US20050236126	20050927
US8733123 BB	20140527	US20110228207	20110908
US8756952 BB	20140624	US20120603547	20120905

Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** ADAMSKI JOSEPH R ; COLSCH JASON ; COULTER TIM L ; GOETZ GLENN E ; HERNDON STEVEN G ; KNIFFEN TODD E ; MAYTAG CORP ; WHIRLPOOL CO ; TENHUNDFELD JOHN H ; THALACKER DAVID ; KOONS BILL J ; MONTUORO LOU ; VLADIKA BRETT ; VLADIKA BRET

Assignee(s): WHIRLPOOL CORP

Inventor(s):(std)**:** ADAMSKI JOSEPH R ; COLSCH JASON ; COULTER TIM L ; GOETZ GLENN E ; HERNDON STEVEN G ; KNIFFEN TODD E ; KOONS BILL J ; MONTUORO LOU ; TENHUNDFELD JOHN H ; THALACKER DAVID ; VLADIKA BRET ; VLADIKA BRETT

Inventor(s): TENHUNDFELD JOHN ; KOONS BILL ; KNIFFEN TODD ; HERNDON STEVEN ; GOETZ GLENN ; COULTER TIM ; ADAMSKI JOSEPH

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; MCKEE VOORHEES AND SEASE PLC ATTN MAYTAG; MCKEE VOORHEES AND SEASE PLC ATTN MAYTAG WHIRLPOOL; WHIRLPOOL PATENTS CO MD 0750; GOODWIN KIRK; LAFRENZ MICHAEL D; KIRK; MICHAEL D; MCKEE VORHEES AND SEASE; KIRK W

International class (IPC 8–9): F25C1/00 F25C5/00 F25C5/02 F25C5/16 F25C5/18 F25D11/02 F25D23/00 F25D25/00 F25D25/04 (Advanced/Invention); F25C5/00 F25D11/02 F25D23/00 F25D25/00 (Core/Invention)

CPC: F25C5/005 F25C2400/06 F25D11/02 F25C2400/10 F25C2500/02

European class: F25C5/00B2 F25D11/02 R25C400/06 Y02B40/34

US class: 62/320 62/320P 62/334 62/334P 62/340 62/340S 62/344 62/344P 62/344S 62/353 62/381 62/381S 62/441 62/441S

Classification Explorer

Cited documents: WO08135473 A2, WO04085937 A1, WO03102481 A1, WO03033976 A1, USD549745 S1, USD484150 S1, USD372739 S1, USD324869 S1, US8117863 BB, US7870754 BB, US7591141 BB, US7490475 BB, US7484382 BB, US7428820 BB, US7392665 BB, US7284390 BB, US7266972 BB, US7228703 BB, US7228701 BB, US7222498 BB, US7222497 BB, US7188479 BB, US7076967 BB, US7065975 BA, US6964177 BB, US6880355 BB, US6810682 BA, US6755166 BB, US6742353 BB, US6735959 BA, US6708726 BB, US6655166 BA, US6604377 BB, US6574982 BA, US6574974 BA, US6571567 BB, US6532758 BB, US6474094 BB, US6460367 BA, US6442954 BA,

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Forward Citations: WO11092112, WO08077764, WO07054166, USD712440, USD697094, USD694297, USD694296, USD694295, USD549745, US9689604, US9683771, US9683770, US9683769, US9599392, US9518772, US9500403, US9476627, US9463917, US9447999, US9404682, US9373210, US9285151, US9267724, US9255728, US9250004, US9222718, US9222717, US9222716, US9221210, US9207009, US9200827, US9182158, US9151536, US9140481, US9134060, US9127871, US9109826, US9097455, US9071907, US9038403, US9004325, US8986483, US8966926, US8944541, US8925342, US8844311, US8794026, US8794024, US8789388, US8756952, US8733123, US8720221, US8713960, US8695370, US8627679, US8505318, US8459047, US8371136, US8353177, US8336330,

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Abstract:
Source: US2006090496A A bottom mount household refrigerator is provided with an apparatus to permit the dispensing of ice. According to one embodiment, a sealed ice making compartment is provided within the fresh food compartment. The sealed ice making compartment may be located at the bottom, at the top, or along a side wall within the fresh food compartment. According to another embodiment, ice is made in the ice compartment, and lifted upward to a dispensing location through the door of the fresh food compartment.

0) US2006144074A – REFRIGERATOR WITH FORWARD PROJECTING DISPENSER ...

44) Family number: 33100041 (US2006144074A) © PatBase

Title: REFRIGERATOR WITH FORWARD PROJECTING DISPENSER

Priority: CA20052531469 20051222 CA20062545021 20060427 US20060421812 20060602 US20050140096 20050527 US20060421817 20060602 US20050028422 20050103 US20060421827 20060602 US20060421831 20060602 US20060421818 20060602 US20110185232 20110718 US20130442499F 20130315 US20140462595 20140819 US20160218671 20160725

Family:

Publication number	Publication date	Application number	Application date
CA2531469 AA	20060703	CA20052531469	20051222
CA2545021 AA	20061127	CA20062545021	20060427
US2006144074 AA	20060706	US20050028422	20050103
US2006144075 AA	20060706	US20050140096	20050527
US2006201190 AA	20060914	US20060421812	20060602
US2006201191 AA	20060914	US20060421817	20060602
US2006201192 AA	20060914	US20060421818	20060602
US2006201193 AA	20060914	US20060421827	20060602
US2006201194 AA	20060914	US20060421831	20060602
US2011271706 AA	20111110	US20110185232	20110718
US2014352347 AA	20141204	US20140462595	20140819
US2017010035 AA	20170112	US20160218671	20160725
US7340914 BB	20080311	US20050140096	20050527
US7418830 BB	20080902	US20050028422	20050103
US7418831 BB	20080902	US20060421818	20060602
US7587910 BB	20090915	US20060421817	20060602
US7617698 BB	20091117	US20060421812	20060602
US7703297 BB	20100427	US20060421827	20060602
US7980089 BB	20110719	US20060421831	20060602
US8844311 BB	20140930	US20110185232	20110718
US9423167 BB	20160823	US20140462595	20140819
USD694295 S1	20131126	US20130442499F	20130315

Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** BOWEN MICHAEL A ; ERTZ LAWRENCE J ; KOPF BRUCE A ; LEIMKUEHLER SCOTT W ; MARTIN DEAN A ; MAYTAG CORP ; ROTTER CHAD J ; WHIRLPOOL CO

Assignee(s): WHIRLPOOL CORP

Inventor(s):(std)**:** BOWEN JR MICHAEL A ; BOWEN MICHAEL A ; ERTZ LAWRENCE J ; KOPF BRUCE A ; LEIMKUEHLER SCOTT W ; MARTIN DEAN A ; ROTTER CHAD J

Inventor(s): ROTTER CHAD ; MARTIN DEAN ; LEIMKUEHLER SCOTT ; KOPF BRUCE ; ERTZ LAWRENCE ; BOWEN MICHAEL

Agent(s): FINLAYSON AND SINGLEHURST; MCKEE VOORHEES AND SEASE PLC ATTN MAYTAG WHIRLPOOL; LAFRENZ MICHAEL D; GOODWIN KIRK W; KIRK W; MICHAEL D; GOODWIN KIRK; KIRK; MCKEE VOORHEES AND SEASE; MCKEE VOORHEES AND SEASE PLC

International class (IPC 8–9): B60H1/32 B67D5/62 B67D7/80 F25C1/24 F25C5/00 F25C5/16 F25C5/18 F25D23/00 F25D23/02 F25D23/04 F25D23/12 F25D27/00 F25D31/00 (Advanced/Invention); F25D27/00 (Advanced/Non–invention); B67D7/80 F25C1/22 F25C5/00 F25D23/00 F25D23/12 (Core/Invention)

CPC: F25C5/18 F25D31/002 F25D23/126 F25D2500/02 F25D23/028 F25D2323/021 F25C5/005 F25C5/002 F25D27/00

European class: F25C5/00B2 F25D23/12B R25D27/00 R25D500/02

US class: 1/1 141/362 222/146.6 222/146.600S 222/504 251/129.12 362/92 362/96 62/264 62/340 62/344 62/344P 62/389 62/389S 62/449 D15/89

Locarno class: 15/07

Classification Explorer

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Forward Citations: WO13012730, WO13012730, WO12023721, WO11162550, WO11162550, WO11139116, WO11139116, WO11080048, WO11054070, WO11054070, WO10100916, WO10052656, WO10023090, WO10023090, WO09075524, USD765180, USD697094, USD694297, USD694296, USD694295, US9719711, US9664432, US9606785, US9581382, US9506682, US9488406, US9341404, US9291382, US9284179, US9273890, US9243841, US9175894, US9073743, US9033192, US8966927, US8944534, US8881951, US8857206, US8756951, US8713960, US8690027, US8667808, US8656730, US8640485, US8640484, US8640483, US8615929, US8596085, US8511106, US8418496, US8413460, US8376184, US8336331, US8336325, US8333305, US8333223, US8333081, US8328054, US8261570, US8201715, US8196426, US8191378, US8146783, US8141748, US8141747, US8141382, US8113248, US8074466, US8069887, US8042708, US8024940, US8006502, US8001796, US7928331, US7874460, US7866165, US7832224, US7757732, US7743623, US2014230481, US2014124688, US2014042186, US2013146612, US2013026184, US2012324915, US2012017512, US2011167862, US2011139817, US2011139304, US2011132021, US2011083457, US2011023525, US2011005258, US2010319389, US2010307184, US2010223946, US2010218526, US2010200621, US2010175417, US2010147012, US2010132835, US2010122547, US2010101257,

US2010089493, US2010089492, US2010082159, US2010043480, US2010043479, US2009320508, US2009293529, US2009254221, US2009249820, US2009249818, US2009249817, US2009249816, US2009249815, US2009056363, US2009045213, US2009013699, US2009009042, US2009008403, US2009007585, US2008184730, US2008178628, US2008178627, US2008178626, US2008174219, US2008173037, US2008163641, US2008156027, US2008148762, US2008053138, US2007256442, US2007044497, KR20110035671, KR101725507, KR101504214, KR101344589, KR101340175, JP2014523229, EP2682697, EP2682693, EP2645028, EP2419684, EP2333467, EP2232177, EP2133641, EP2133639, EP2133638, EP2092256, EP2092256, EP1939558, EP1939551, DE102012223626, DE102007038182, DE102007038182, CN105020968, CN103688118, CN103688118, CN102341663, CN102341663, CN102109267, CN102102927, AU2011292884,

Abstract:
Source: US2006144074A A refrigerator having a forward projecting dispenser that extends forward a front panel of the door. The door has an outer door pan with an outer door cavity and an inner liner having an inner liner cavity. An ice chute may be placed through both the inner liner cavity and the outer door cavity to move ice to the forward projecting dispenser. The dispenser may have a housing that positions a control panel and water outlet forward the front panel. The dispenser may extend to the door handle of the refrigerator or beyond the handle. The distance the dispenser extends forward the front panel of the door is minimized using a slight diagonal rear side of the dispenser housing.

0) US2010046842A – METHODS AND SYSTEMS FOR CONTENT PROCESSING

45) Family number: 44433552 (US2010046842A) © PatBase

Title: METHODS AND SYSTEMS FOR CONTENT PROCESSING

Priority:

EP20130702169 20130118 US20080090083P 20080819 US20080096703P 20080912
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: DIGIMARC CORP

Assignee(s):(std)**:** CONWELL WILLIAM Y ; DAVIS BRUCE L ; LORD JOHN D ; DIGIMARC CORP ; RODRIGUEZ TONY F ; MACLNTOSH BRIAN T ; RHOADS GEOFFREY B ; MACINTOSH BRIAN T ; RHOADS NICOLE ; SHARMA RAVI K ; RODRIQUEZ TONY F

Assignee(s): DIGIMARC AN OREGON CORPORATION CORP ; DIGIMARC BEAVERTON CORP ; DIGIMARC AN OREGON CORP CORP ; DIGIMARC (AN OREGON CORPORATION) CORP

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Inventor(s): LORD JOHN DOUGLAS WEST LINN ; RODRIGUEZ TONY ; RHOADS GEOFFREY ; MACINTOSH BRIAN ; LORD JOHN

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A63F13/00 A63F13/12 A63F13/26 G06F13/00 G06F15/16 G06F17/00 G06F17/30 G06F21/24 G06F3/00 G06F3/01 G06F3/042 G06F3/048 G06F3/0482 G06F3/0484 G06F9/44 G06F9/445 G06K7/12 G06K9/00 G06K9/20 G06K9/22 G06K9/32 G06K9/34 G06K9/36 G06K9/38 G06K9/40 G06K9/46 G06K9/60 G06K9/62 G06K9/68 G06K9/80 G06N5/04 G06Q30/00 G06Q30/02 G06T1/00 G06T19/00 G06T3/00 G06T7/00 G09F19/00 G09F9/00 G09G5/00 H04B1/38 H04B1/40 H04B10/00 H04B10/114 H04B10/116 H04H60/32 H04H60/33 H04H60/37 H04H60/46 H04H60/48 H04H60/56 H04H60/59 H04H60/65 H04H60/80 H04H60/82 H04L29/06 H04L29/08 H04L9/00 H04L9/28 H04M1/00 H04M1/02 H04M1/725 H04M3/00 H04M3/42 H04N1/00 H04N1/21 H04N1/40 H04N1/48 H04N21/21 H04N21/23 H04N21/234 H04N21/254 H04N21/258 H04N21/262 H04N21/2665 H04N21/278 H04N21/41 H04N21/414 H04N21/422 H04N21/431 H04N21/433 H04N21/436 H04N21/4363 H04N21/4367 H04N21/442 H04N21/45 H04N21/458 H04N21/462 H04N21/466 H04N21/47 H04N21/472 H04N21/4722 H04N21/475 H04N21/478 H04N21/4782 H04N21/4788 H04N21/482 H04N21/61 H04N21/81 H04N21/8358 H04N21/84 H04N21/858 H04N5/217 H04N5/222 H04N5/225 H04N5/228 H04N5/232 H04N5/235 H04N5/445 H04N5/913 H04N7/00

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International class (IPC 1–7): G06K9/00

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European class: G06F17/30L G06F17/30M G06F17/30M1H G06F17/30M2 G06F17/30W1F G06F17/30W1S G06F17/30W5B G06F3/01B G06F3/042C G06K9/00V2 G06K9/00Y2 G06K9/00Z G06K9/22 G06K9/22W G06K9/32 G06K9/46B G06K9/46C G06K9/62B5 G06Q30/02 G06Q30/0269 G06T1/00W G06T1/00W6G G06T3/00A G08C17/00 H04L29/08N11M H04L29/08N15 H04L29/08N19 H04L29/08N3 H04L29/08N5 H04M1/725F1B2 H04N1/00C H04N1/00C22C2 H04N1/00C22C4 H04N1/00C3K H04N1/00C7D H04N21/21 H04N21/23 H04N21/41P5 H04N21/431L3 H04N21/433R H04N21/436H H04N21/462S H04N21/466M H04N21/472R H04N21/475D H04N21/478 H04N21/4782 H04N21/4788 H04N21/61D4 H04N21/8358 H04N21/858 H04N5/232H H04N5/445M S06T201/0051 S08C201/210 S08C201/930 T04M1/725F1B2 T04M250/02 T04M250/52 T04M250/64 T04N1/00C22C T04N1/00C7D T04N1/32C T04N101/00 T04N201/00J4 T04N201/32C10 T04N201/32C4 T04N201/32C9 T04N5/445M2 T04N5/445M6B T04W28/26

US class: 1/1 345/582 345/633 345/633P 345/647 345/647S 345/649 348/135 348/135S 348/164 348/169 348/207.1 348/207.99 348/222.1 348/223.1 348/241 348/241S 348/269 348/370 348/42 348/61 348/61S 348/E5.024 348/E7.085 348/E70.85S 358/473 380/270 382/100 382/100P 382/100S 382/103 382/103P 382/106 382/118 382/162 382/165 382/165P 382/167 382/168 382/168S 382/170 382/173 382/181 382/190 382/190P 382/218 382/218P 382/219 382/224 382/224S 382/255 382/255S 382/275 382/275S 382/276 382/303 382/305 382/312 398/201 455/3.06 455/414.1 455/414.100P 455/414.100S 455/415 455/418 455/418S 455/419 455/420 455/420P 455/450 455/450P 455/466 455/466P 455/550.1 455/552.1 455/556.1 455/556.100P 455/556.100S 455/556.2 455/557 455/557P 455/561 455/561S 455/566 455/566S 455/88 463/30 463/30S 705/14.49 705/14.58 705/14.64 705/14.66 705/14.660P 705/14.67 706/46 706/46S 707/104.1 707/705 707/723 707/731 707/737 707/E17.019 707/E17.019S 709/231 709/231S 713/150 713/150S 713/176 715/764 715/764S 725/114 725/116 725/116S 725/118 725/12 725/131 725/18 725/25 725/25P 725/31 725/32 725/34 725/37 725/37S 725/39 725/39P 725/48 725/59 725/59S 725/62 725/62P 725/9 725/9 725/9P

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Abstract:
Source: US2010046842A Cell phones and other portable devices are equipped with a variety of technologies by which existing functionality can be improved, and new functionality can be provided. Some relate to visual search capabilities, and determining appropriate actions responsive to different image inputs. Others relate to processing of image data. Still others concern metadata generation, processing, and representation. Yet others relate to coping with fixed focus limitations of cell phone cameras, e.g., in reading digital watermark data. Still others concern user interface improvements. A great number of other features and arrangements are also detailed.

0) US2009044544A – REFRIGERATOR

46) Family number: 35576454 (US2009044544A) © PatBase

Title: REFRIGERATOR

Priority:

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WO08153285 A3	20090514	WO2008KR03136	20080604	

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** CHUNG WON YOUNG ; KIM CHEOL HWAN ; KIM SU CHEONG ; KWON YONG CHOL ; LEE HOON BONG ; SON KU YOUNG ; LG ELECTRONICS INC ; SHIN JONG MIN ; LEE SU WON ; YOUN DEOK HYUN

Assignee(s): LG ELECTRONIC INC

Inventor(s):(std)**:** CHEOL HWAN KIM ; CHUNG WON YOUNG ; JONG MIN SHIN ; KU YOUNG SON ; KWON YONG CHOI ; LEE HOON BONG ; SU CHEONG KIM ; SU WON LEE ; YONG CHOL KWON ; YOUN DEOK HYUN ; SON KU YOUNG ; SHIN JONG MIN ; LEE SU WON ; KIM SU CHEONG ; KIM CHEOL HWAN ; KWON YONG CHUL ; KWON YONG CHOL

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; PALMER JONATHAN R; PALMER JONATHAN R ET AL; BOULT WADE TENNANT; RICKARD DAVID JOHN; BIRCH STEWART KOLASCH AND BIRCH; BIRCH STEWART KOLASCH AND BIRCH LLP; LEE KWANG YEON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class(IPC 8–9)**:** A23G9/04 A23G9/08 A23G9/12 A23L3/32 A23L3/36 A23L3/365 A47J43/00 B67D1/08 B67D7/80 F17C5/00 F24F7/007 F25B1/00 F25B21/00 F25B21/02 F25B40/00 F25B40/02 F25B41/00 F25C1/00 F25C1/24 F25C5/00 F25C5/08 F25C5/14 F25D11/00 F25D11/02 F25D17/00 F25D17/04 F25D17/06 F25D21/00 F25D21/06 F25D23/00 F25D23/02 F25D23/04 F25D23/06 F25D23/12 F25D25/00 F25D29/00 F25D3/00 F25D3/12 F25D31/00 F28D5/00 (Advanced/Invention); A23G9/04 A23G9/08 A23G9/12 F25B1/00 F25B40/00 F25B40/02 F25C1/24 F25C5/00 F25C5/08 F25D11/00 F25D11/02 F25D17/00 F25D21/06 F25D23/00 F25D23/04 F25D23/06 F25D23/12 F25D25/00 F25D29/00 (Advanced/Non–invention);

A23G9/04 A23L3/32 A23L3/36 A23L3/365 A47J43/00 B67D7/80 F17C5/00 F24F7/007 F25B1/00 F25B21/00 F25B21/02 F25B40/00 F25B41/00 F25C1/00 F25C1/22 F25C5/00 F25D11/00 F25D11/02 F25D17/00 F25D17/04 F25D17/06 F25D21/00 F25D21/06 F25D23/00 F25D23/02 F25D23/04 F25D23/06 F25D23/12 F25D25/00 F25D29/00 F25D3/00 F25D31/00 F28D5/00 (Core/Invention)

International class (IPC 1–7): A23L3/32 A23L3/36 A23L3/365 F25C1/00 F25C1/00 F25C1/24 F25D11/00 F25D11/02 F25D23/12 F25D29/00

CPC: F25C1/00 A23G9/045 F25C2301/002 F25C2400/10 F25D23/04 F25D23/126 F25D2400/02 F25C5/08 F25C2700/14 F25C1/18 F25C2600/04 F25D17/042 F25C1/04 F25D2323/122 Y02B30/66 F25D29/00 F25D2600/06 F25D2700/02 F25D2700/12 F25D2700/16 Y02P60/85 Y02P60/851 F25D23/12 A23B4/06 A23L3/32 A23L3/36 F25D29/006 F25D2600/04 A23G9/12 A23G9/04 A23G9/08 B65D85/78 F25D21/14 F25D23/028 F25D2321/1413 F25C1/24 F25D29/005 F25D31/005 F25D25/025 F25D17/065 F25D29/008 F25D2700/08 F25D2323/023 F25C5/005 F25D2400/30 F25B2321/001 F25D2400/361 A23B4/015 A23B7/015 F25B49/022 F25D2700/06 Y02B40/32 F25B21/00 F25D11/00 F25B40/02 F25D25/00 F25D23/00 F25D11/02 F25D21/06 F25D23/06 F25D21/004 F25B1/00

European class: A23B4/06 A23G9/04D A23L3/32 A23L3/36 F25C1/00 F25C1/04 F25C1/18 F25C5/08 F25D17/04A F25D23/12 F25D23/12B F25D29/00 F25D29/00E R25C301/002 R25C400/10 R25C600/04 R25C700/14 R25D23/04 R25D23/12B R25D323/122 R25D400/02 R25D600/04 R25D600/06 R25D700/02 R25D700/12 R25D700/16 Y02B30/66

US class: 165/59 165/59S 62/125 62/3.1 62/3.100P 62/3.63 62/3.630P 62/314 62/314S 62/340 62/340S 62/351 62/351S 62/389 62/389P 62/389S 62/426 62/441 62/449 62/449S 62/513 62/513S 62/54.1 62/54.100S 62/56 62/56P 62/56S 62/66 62/66S 62/73 62/73S 62/89 62/89P 99/473 99/473S

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Forward Citations: WO16182331, WO15060336, WO12131293, WO12031895, WO12031895, WO10079947, WO10079947, WO10079945, WO10079945, WO10079943, WO10079943, WO10079942, WO10079942, WO10076983, WO10076983, WO10071326, WO10071326, WO10071324,

WO10071324, WO10071323, WO10071323, WO10071322, WO10071322, WO10044498, WO10044498, WO09038427, WO09038427, WO09038426, WO09038426, WO09037125, WO09035195, WO09035195, WO08150108, WO08150107, WO08150106, WO08150105, WO08150104, US9587870, US9234697, US9234696, US9095167, US8959934, US8869550, US8776540, US8479532, US8397521, US2015241136, US2015225225, US2015184914, US2012174598, US2012167596, US2012111049, US2012096888, US2012011880, US2012011861, US2011302940, US2011302934, US2011264283, US2011219805, US2011214448, US2011005249, US2010186421, US2008066472, US2007163290, KR20160110979, KR101742586, KR101564100, KR101507802, KR101476191, KR101448652, KR101443638, KR101439540, KR101171437, KR101152049, KR101143977, KR101143976, KR101143975, KR101143972, KR101115239, KR101052782, KR101023357, KR101023355, KR101019886, KR100961794, KR100951525, KR100901898, KR100827883, JP6151975, JP6144068, JP5593235, JP2014236710, JP2014159896, JP2012527216, JP2012207900, EP2599391, EP2599391, EP2484975, EP2405220, EP2212636, EP2188580, EP2082649, EP2065660, CN103518111, CN103518111, CN103459950, CN103459950, CN103201575, CN101975500,

Abstract:
Source: US2009044544A The present invention discloses a refrigerator which can keep the contents in a non−frozen state by an electric field generated by a radio frequency voltage. The refrigerator includes a setting unit for setting a amplitude and frequency of a voltage, a generating unit for generating an electric field according to the voltage having the set amplitude and frequency, and applying the electric field to a storing space for storing the contents, and a freezing cycle for cooling the storing space. The contents are kept in a non−frozen state below a phase transition temperature.

0) US5707518A – REFRIGERATOR WATER FILTER

47) Family number: 11588976 (US5707518A) © PatBase

Title: Refrigerator water filter

Priority: EP19970903008 19970115 EP20020026289 19970115 US19980006062 19980112 US19960587635 19960117 WO1997US00842 19970115 US19960739256 19961030

Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: WHITE CONSOLIDATED IND INC

Assignee(s):(std)**:** ELECTROLUX HOME PROD INC ; ELECTROLUX HOME PRODUCTS INC ; WHITE CONS IND INC ; WHITE CONSOLIDATED IND INC

Assignee(s): WHITE CONSOLIDATED INDUSTRIES INC ; WHITE CONSOLIDATED IND

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Inventor(s): WALTON E SPARKS ; RICKIE L GUNDERSON ; ROBERT C RUSSELL ; KENNETH E MORRIS ; DONALD A COATES

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BAUMGARTL GERHARD WILLI

Designated states: AT AU BE BR CA CH CN DE DK ES FI FR GB GR IE IT JP KR LU MC MX NL NZ PT SE SG

International class (IPC 8–9): B01D27/00 B01D27/08 B01D29/15 B01D35/153 C02F9/00 F25D23/06 F25D23/12 (Advanced/Invention); B01D29/15 (Advanced/Non–invention); B01D27/00 B01D27/08 B01D35/14 C02F9/00 F25D23/12 (Core/Invention); B01D29/13 (Core/Non–invention)

International class (IPC 1–7): B01D27/00 B01D27/00 B01D27/08 B01D27/08 B01D35/153 B01D35/30 F25D23/12

CPC: B01D29/15 B01D35/153 B01D2201/301 F25D23/126 F25D2323/121 F25D2400/06

European class: B01D35/153 B01D35/30 C02F9/00H4 F25D23/12B L01D201/30C L01D29/15 R25D323/121 R25D400/06

US class: 210/232 210/238 210/416.3 210/443 210/444 210/455 210/497.01 222/183 62/338 62/339 62/340 62/389 62/67

Classification Explorer

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Forward Citations: WO9817371, WO15106221, WO09051757, WO08122482, WO08122482, WO08058643, WO08035201, WO08027083, WO08006690, WO07062915, WO07062898, WO05045335, WO05045335, WO05030658, WO05030656, WO03008883, WO0020093, USRE43409, USD547417, USD545394, USD508502, USD501912, USD494654, USD492753, USD431577, USD418845, US9713781, US9682335, US9651296, US9487414, US9409108, US9409106, US9359224, US9327216, US9320993, US9314716, US9216914, US9170040, US9157677, US9115920, US9046299, US8911041, US8893927, US8887923, US8850843, US8850842, US8850841, US8844307, US8833100, US8707728, US8656728, US8601830, US8584483, US8556127, US8511107, US8496823, US8438871, US8413844, US8354024, US8256625, US8146379, US8119012, US8104305, US8020403, US8017009, US7922008, US7878022, US7850859, US7823407, US7762098, US7749394, US7740766, US7740765, US7708148, US7703298, US7677055, US7673472, US7673470, US7658212, US7654105, US7637119, US7631514, US7624591, US7615152, US7610932, US7552597, US7543711, US7520139, US7520138, US7491327, US7490475, US7490474, US7484382, US7442301, US7430873, US7428820, US7392665, US7340915, US7261815, US7228701, US7216502, US7188486, US7083725, US7081201, US7056435, US7043150, US7000894, US6973803, US6964739, US6866806, US6835304, US6810682, US6741236, US6613236, US6532758, US6475379, US6460367, US6458257, US6432233, US6375834, US6355177, US6337015, US6325929, US6303031, US6276146, US6235194, US6207046, US6139739, US6120685, US6019447, US5907958, US5813245, US2016025406, US2015290569, US2014041409, US2012304679, US2012096892, US2011232500, US2011232316, US2011197620, US2011197619, US2011155661, US2011120172, US2011042298, US2010212349, US2010199702, US2010170284, US2010133297, US2010126210, US2010064896, US2009288439, US2009282857, US2009230061, US2009230050, US2009218292, US2009165493, US2009151367, US2009025826, US2008258597, US2008224587, US2008223070, US2008223068, US2008218048, US2008216509, US2008216506, US2008216505, US2008211368, US2008203877, US2008202144, US2008156015, US2008142431, US2008134711, US2008134707, US2008047889, US2007278148, US2007186576, US2007119773, US2007080102, US2007012611, US2006219622, US2006218961, US2006124532, US2006113237, US2006086133, US2006049096, US2006032249, US2006021919, US2006006107, US2005247620, US2005229623, US2005178273, US2005173323, US2005161394, US2005133463, US2005103721, US2005036772, US2004211209, US2004206682, US2004129624, US2004129617, US2004094468, US2003222010, US2003042192, US2003024259, US2002189983, RU2507457, GB2426570, GB2426570, GB2426569, GB2426569, GB2426568, GB2426568, GB2416024, EP2730545, EP1939560, EP1923353, EP1775538, EP1775538, EP1635927, EP1121187, DE112006002400, AU748325, AU747874, AU747874, AU739655, AU2006200672, AU2002319629, AU2002319629,

Abstract:
Source: US5707518A A water filter assembly mounted to an inner surface of a refrigerator and accessible from within a refrigeration compartment of the refrigerator. The filter assembly includes a first housing part, a second housing part, and a replaceable filter cartridge. The first and second housing parts cooperate to define a

fluid–tight chamber for receipt of the filter cartridge. The first housing part includes an inlet port through which unfiltered water may be introduced into the chamber and an outlet port through which filtered water may exit the chamber. The second housing part surrounds a portion of the first housing part and provides a volume sufficient to hold the filter cartridge and any water within the chamber when the second housing part is released from the first housing part to replace the filter cartridge, and thereby prevents or minimizes spillage of water from the filter assembly during filter cartridge replacement. A shield member is disposed within the refrigeration compartment and cooperates with a cabinet wall to define a filter compartment which surrounds the filter assembly. A heater disposed within the filter compartment adjacent the filter assembly and is operable to heat the filter assembly to prevent freezing of water contained therein.

0) WO14196220A1 – REFRIGERATOR REFRIGERATEUR

48) Family number: 57880421 (WO14196220A1) © PatBase

Title: REFRIGERATOR

Priority: CN201420145240U 20140328 JP20130120516 20130607 WO2014JP51479 20140124

Family:

Publication number	Publication date	Application number	Application date
AU2014276245 AA	20141211	AU20140276245	20140124
AU2014276245 BB	20170105	AU20140276245	20140124
CN104236215 A	20141224	CN201410122903	20140328
CN104236215 B	20160831	CN201410122903	20140328
CN203949432 U	20141119	CN201420145240U	20140328
JP2014196220 A1	20170223	JP20150521311T	20140124
RU2015156306 A	20170714	RU20150156306	20140124
SG11201509102S A1	20151230	SG20151109102	20140124
TW201502036 A	20150116	TW20140111389	20140327
WO14196220 A1	20141211	WO2014JP51479	20140124

Probable Assignee: MITSUBISHI ELECTRIC CORP

Assignee(s):(std)**:** MITSUBISHI ELECTRIC CORP

Inventor(s):(std)**:** HANAOKA SHOU ; HIROSHI NAKAJIMA ; KATSUMASA SAKAMOTO ; NAKASHIMA HIROSHI ; NAKATSU SATOSHI ; OISHI TAKASHI ; SAKAMOTO KATSUMASA ; SHOU HANAOKA ; SUGISAKI SAORI ; TAKASHI OISHI ; TETSUSHI NAKATSU

Agent(s): FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; KISA PATENT AND TRADEMARK FIRM

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B65D81/38 F25D11/00 F25D11/02 F25D17/08 F25D23/00 F25D23/06 F25D23/08 (Advanced/Invention); F25D11/02 F25D23/06 (Advanced/Non–invention)

CPC: F25D2201/14 F25D23/062

Classification Explorer

Cited documents: JP61240069 A2, JP4103582 U1, JP4103582 U, JP2013076471 A2, JP2013053822 A2, JP2012504741 T2, JP2012202612 A2, JP2012087993 A2, JP2011033296 A2, JP2010145001 A2, JP2009236474 A2, JP2008111640 A2, JP2007506041 T2, JP2007285496 A2, JP2007046892 A2, JP2006342852 A2, JP2006183896 A2, JP2004011708 A2, JP2003314951 A2, JP2003035480 A2, JP2002295948 A2, JP2001280798 A2, JP10506986 T2, EP0658733 A1, CN203949432 U,

Forward Citations: CN104236215,

Abstract:
This refrigerator is provided with: a box body which has a shell comprising a top wall, a rear wall, side walls and a bottom wall configured by an outer box and an inner box, and which configures a storage chamber disposed inside the shell and having an opening in the front surface; a vacuum insulating material which is provided between the inner box and the outer box, which configure the rear wall, the side walls, the ceiling wall and the bottom wall, which form the storage chamber; and a foam insulating material filled between the vacuum insulating material and the inner box. The flexural modulus of the vacuum insulating material is 20MPa or greater, the thickness of the foam insulating material is 11mm or less, and the thickness of the foam insulating material / (the thickness of the foam insulating material + the thickness of the vacuum insulating material) is 0.3 or less.

0) US2007151041A – CONTROL PROCESS FOR A REVITALIZING APPLIANCE

49) Family number: 34708221 (US2007151041A) © PatBase

Title: CONTROL PROCESS FOR A REVITALIZING APPLIANCE

Priority: US19970045072P 19970429 US19980038054 19980311 US20040957486 20041001 US20010027160 20011220 US20000520653 20000307 US20050755194P 20051230 US20060482867 20060707 US20060483209 20060707 US20060482617 20060707 US20060482637 20060707 US20060482681 20060707 US20060482862 20060707 US20060482615 20060707 US20060482680 20060707 US20060483210 20060707 US20060483216 20060707 US20090570395 20090930 US20100727747 20100319 US20080273635 20081119 US20060775194P 20060221 US20100893657 20100929 US20060483351 20060707

Family:

Publication number	Publication date	Application number	Application date
US2007151041 AA	20070705	US20060483351	20060707
US2007151129 AA	20070705	US20060483210	20060707
US2007151310 AA	20070705	US20060482680	20060707
US2007151311 AA	20070705	US20060482867	20060707
US2007151312 AA	20070705	US20060483209	20060707
US2007163093 AA	20070719	US20060482615	20060707
US2007163094 AA	20070719	US20060482617	20060707
US2007163095 AA	20070719	US20060482637	20060707
US2007163096 AA	20070719	US20060482681	20060707
US2007163097 AA	20070719	US20060482862	20060707
US2007163098 AA	20070719	US20060483216	20060707
US2010018262 AA	20100128	US20090570395	20090930
US2010186176 AA	20100729	US20100727747	20100319
US2011016928 AA	20110127	US20100893657	20100929
US7665227 BB	20100223	US20060482615	20060707
US7735345 BB	20100615	US20060482680	20060707
US7921578 BB	20110412	US20060483210	20060707
US8844160 BB	20140930	US20100893657	20100929

Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** BEIHOFF BRUCE C ; BRUCE BEIHOFF C ; CHERNETSKI FREDRICK E ; CONRAD DANIEL C ; MINKIN ALEXANDER V ; MCALLISTER KARL D ; LUCKMAN JOEL A ; KUBASH THOMAS E ; IRVING GARY J ; KAEDING JANICE M ; METCALFE LD ; DOYLE COLLEEN M ; TOMASI DONALD M ; WRIGHT TREMITCHELL ; WYATT VICKI LYN ; UNDERLY KRISTINA K ; WHIRLPOOL CO

Assignee(s): WHIRPOOL CORP ; WHIRLPOOL CORP

Inventor(s):(std)**:** BEIHOFF BRUCE C ; BRUCE BEIHOFF C ; CHERNETSKI FREDRICK E ; CONRAD DANIEL C ; DOYLE COLLEEN M ; IRVING GARY J ; KAEDING JANICE M ; KUBASH THOMAS E ; LUCKMAN JOEL A ; MCALLISTER KARL D ; METCALFE LD ; MINKIN ALEXANDER V ; TOMASI DONALD M ; UNDERLY KRISTINA K ; WRIGHT TREMITCHELL ; WYATT VICKI LYN

Agent(s): WHIRLPOOL PATENTS COMPANY – MD 0750; WHIRLPOOL PATENTS CO MD 0750; WHIRLPOOL PATENTS COMPANY – MD 0750, SUITE 102; WHIRLPOOL PATENTS CO MD 0750 SUITE 102; WHIRLPOOL PATENTS COMPANY–MD 0750; CLIFTON GREEN MCGARRY BAIR PC; MCGARRY BAIR PC; CLIFTON G

International class (IPC 8–9): A01H5/02 B08B3/12 D04H3/04 D06B1/02 D06B19/00 D06F29/00 D06F33/00 D06F35/00 D06F37/00 D06F58/20 D06F58/22 D06F61/00 D06L1/00 F26B11/02 F26B3/00 (Advanced/Invention); A01H5/02 B08B3/12 D04H3/02 D06B1/00 D06B19/00 D06F33/00 D06F35/00 D06F37/00 D06F61/00 D06L1/00 (Core/Invention)

CPC: D06F25/00 D06F29/00 D06F35/001 D06F35/003 D06F39/12 D06F43/002 D06F43/007 D06F43/02 D06F58/10 D06F81/00 D06F95/00 D06F35/00 D06F35/005 D06F39/088

D06F58/04 D06F58/203

European class: D06F25/00 D06F29/00 D06F35/00 D06F35/00A D06F35/00C D06F35/00E D06F39/08S D06F39/12 D06F43/00B D06F43/00D D06F43/02 D06F58/04 D06F58/10 D06F58/20B D06F81/00 D06F95/00

US class: 134/10 134/30 165/89 165/90 28/100 28/100P 312/228 312/228.1 34/339 34/342 34/343 34/350 34/357 34/409 34/411 34/443 34/480 34/595 34/597 34/602 34/603 34/604 34/606 34/608 34/82 38/3 38/3P 68/12.01 68/13.00R 68/139 68/139S 68/13R 68/17R 68/19 68/19P 68/28 68/28S 68/3.00RP 68/3R 68/5.00C 68/5.00CP 68/5.00RS 68/5C 68/5R 8/137 8/147 8/147S 8/149.1 8/149.100S 8/149.2 8/149.200P 8/158 8/158S 8/159

Classification Explorer

Cited documents: WO05003267 A1, WO03102289 A1, WO0208510 A1, US7763083 BB, US7727289 BB, US7665227 BB, US7665226 BB, US7665181 BB, US7628043 BB, US7624600 BB, US7617702 BB, US7587917 BB, US7562543 BB, US7555856 BB, US7513132 BB, US7448146 BB, US7415781 BB, US7395612 BB, US7392600 BB, US7367137 BB, US7356945 BB, US7340790 BB, US7325330 BB, US7320184 BB, US7309026 BB, US7300468 BB, US7251906 BB, US7241728 BB, US7235109 BB, US7204040 BB, US7178264 BB, US7162812 BB, US7146749 BB, US7117612 BB, US7084099 BB, US7066412 BB, US7062863 BB, US7059065 BB, US7055262 BB, US7047666 BB, US7043855 BB, US7024795 BB, US6994735 BB, US6966203 BB, US6966124 BB, US6954995 BB, US6899399 BB, US6898951 BB, US6893469 BA, US6889449 BB, US6889399 BB, US6849094 BA, US6840068 BB, US6811811 BB, US6793685 BB, US6757986 BB, US6755871 BB, US6736859 BB, US6694639 BB, US6691536 BB, US6673121 BB, US6671977 BB, US6655047 BB, US6618958 BB, US6584633 BB, US6558432 BB, US6551461 BB, US6427365 BB, US6354369 BA, US6346126 BA, US6298578 BA, US6273702 BA, US6231326 BA, US6217815 BA, US6214421 BA, US6190155 BA, US6145323 A, US6125754 A, US6117190 A, US6116060 A, US6106748 A, US6105533 A, US6045588 A, US6030632 A, US6030464 A, US6001221 A, US5996247 A, US5993739 A, US5992039 A, US5966831 A, US5960563 A, US5958494 A, US5954933 A, US5942006 A, US5930909 A, US5925192 A, US5887456 A, US5873181 A, US5865851 A, US5852881 A, US5840675 A, US5804548 A, US5789326 A, US5787910 A, US5749163 A, US5711819 A, US5704230 A, US5675911 A, US5651192 A, US5640739 A, US5632614 A, US5600975 A, US5598641 A, US5589256 A, US5557859 A, US5546678 A, US5544428 A, US5528840 A, US5480485 A, US5461742 A, US5442938 A, US5417566 A, US5396715 A, US5388344 A, US5376144 A, US5369892 A, US5321897 A, US5315765 A, US5306351 A, US5272892 A, US5253378 A, US5213594 A, US5212969 A, US5207764 A, US5187879 A, US5159766 A, US5107603 A, US5097556 A, US5090972 A, US5074131 A, US5042171 A, US5016364 A, US5004483 A, US4974339 A, US4934283 A, US4916863 A, US4898690 A, US4898680 A, US4886081 A, US4866859 A, US4842000 A, US4829620 A, US4827627 A, US4811495 A, US4808237 A, US4800655 A, US4726005 A, US4676261 A, US4642908 A, US4622728 A, US4561903 A, US4481786 A, US4455700 A, US4433698 A, US4401261 A, US4338730 A, US4311191 A, US4268247 A, US4250628 A, US4244710 A, US4236320 A, US4207683 A, US4167594 A, US4140503 A, US4137645 A, US4118207 A, US4106214 A, US4086053 A, US4001945 A, US3978855 A, US3899902 A, US3892048 A, US3875268 A, US3861179 A, US3859004 A, US3815828 A, US3775053 A, US3766662 A, US3732628 A, US3664806 A, US3660013 A, US3648381 A, US3634947 A, US3624919 A, US3617208 A, US3612500 A, US3597851 A, US3583180 A, US3583076 A, US3581411 A, US3503702 A, US3491386 A, US3475829 A, US3469931 A, US3447174 A, US3438136 A, US3402576 A, US3401052 A, US3387385 A, US3358301 A, US3357109 A, US3321843 A, US3270761 A, US3267701 A, US3261389 A, US3261185 A, US3231909 A, US3180037 A, US3157475 A, US3155462 A, US3139633 A, US3130570 A, US3116243 A, US3113004 A, US3103450 A, US3091955 A, US3049904 A, US3040440 A, US3039285 A, US3026699 A, US3023514 A, US3022580 A, US3017758 A, US3002288 A, US2986917 A, US2975623 A, US2957330 A, US2941389 A, US2940179 A, US2929674 A, US2927379 A, US2921384 A, US2893135 A, US2873539 A, US2868006 A, US2865111 A, US2853798 A, US2846776 A, US2834121 A, US2831233 A, US2830384 A, US2827276 A, US2818659 A, US2813353 A, US2812593 A, US2798973 A, US2798307 A, US2797567 A, US2792640 A, US2777313 A, US2758461 A, US2742710 A, US2742708 A, US2724905 A, US2718711 A, US2707838 A, US2687578 A, US2675628 A, US2652708 A, US2651113 A, US2644245 A, US2608769 A, US2589284 A, US2559713 A, US2556303 A, US2521081 A, US2496517 A, US2486315 A, US2486058 A, US2461318 A, US2443557 A, US2438995 A, US2422825 A, US2400726 A, US2399555 A, US2262186 A, US2189915 A, US2114776 A, US2109469 A, US2108084 A, US2104135 A, US2094909 A, US2058604 A, US2018505 A, US2010186176 AA, US2010154146 AA, US2010146807 AA, US2010043839 AA, US2010011608 AA, US2010000115 AA, US2010000114 AA, US2010000112 AA, US2009320213 AA, US2009272269 AA, US2009272004 AA, US2009271933 AA, US2009260404 AA, US2009205685 AA, US2009159301 AA, US2009151748 AA, US2009126420 AA, US2009126222 AA, US2009083988 AA, US2009020135 AA, US2009019647 AA,

US2008307667 AA, US2008307587 AA, US2008271282 AA, US2008271263 AA, US2008210268 AA, US2008141554 AA, US2007271811 AA, US2007256322 AA, US2007251115 AA, US2007235140 AA, US2007186340 AA, US2007151041 AA, US2007101603 AA, US2007094888 AA, US2007006484 AA, US2006288499 AA, US2006260065 AA, US2006253999 AA, US2006191157 AA, US2006179678 AA, US2006179676 AA, US2006174511 AA, US2006162180 AA, US2006123654 AA, US2006117596 AA, US2006080860 AA, US2006037213 AA, US2006021250 AA, US2006016092 AA, US2006000111 AA, US2005257812 AA, US2005251924 AA, US2005217035 AA, US2005204583 AA, US2005183284 AA, US2005183208 AA, US2005172511 AA, US2005155393 AA, US2005144735 AA, US2005144734 AA, US2005132756 AA, US2005132504 AA, US2005132503 AA, US2005126034 AA, US2005120586 AA, US2005120584 AA, US2005092352 AA, US2005091879 AA, US2005091755 AA, US2005090035 AA, US2005076534 AA, US2005076533 AA, US2005076532 AA, US2005076453 AA, US2005071928 AA, US2005050644 AA, US2005043196 AA, US2005034490 AA, US2005034488 AA, US2005034487 AA, US2005034250 AA, US2005034249 AA, US2005034248 AA, US2005022311 AA, US2005000031 AA, US2004261194 AA, US2004259750 AA, US2004255391 AA, US2004244432 AA, US2004221403 AA, US2004216327 AA, US2004216326 AA, US2004206131 AA, US2004188058 AA, US2004187529 AA, US2004187527 AA, US2004187343 AA, US2004163184 AA, US2004143994 AA, US2004139555 AA, US2004134237 AA, US2004134094 AA, US2004134090 AA, US2004123490 AA, US2004123489 AA, US2004117919 AA, US2004079121 AA, US2004045187 AA, US2004040586 AA, US2004026404 AA, US2004025368 AA, US2004025242 AA, US2004003511 AA, US2003224965 AA, US2003208853 AA, US2003204917 AA, US2003196282 AA, US2003136022 AA, US2003134094 AA, US2003126691 AA, US2003089138 AA, US2003070238 AA, US2003019601 AA, US2003019125 AA, US2003001408 AA, US2002133886 AA, US2002133885 AA, US2002069465 AA, US2002056164 AA, US2002056163 AA, US2002053607 AA, US2002023368 AA, US2001010101 AA, US1995064 A, US1992753 A, US1899005 A, US1872401 A, US1786191 A, US1731290 A, US1607841 A, US1470653 A, US1470242 A, US1453711 A, US1427580 A, JP9215894 A2, JP1175897 A2, JP1175896 A2, EP1634984 A1, EP1441060 A1, EP1441059 A1, EP1305468 A1, EP1156150 A2, EP0743389 A1,

Forward Citations: WO16087224, WO16087074, WO16079139, WO15084568, WO14158910, WO13098064, WO13064862, WO12154642, WO12099550, WO12099550, WO12014148, WO09158150, WO09140058, WO09020311, WO09010446, US9719205, US9702074, US9689109, US9689106, US9689101, US9683323, US9657429, US9644301, US9631310, US9624615, US9611583, US9593438, US9574298, US9562310, US9550966, US9523169, US9487910, US9481959, US9422662, US9410281, US9382655, US9347706, US9335095, US9322125, US9303878, US9297107, US9290885, US9279211, US9273903, US9271626, US9217219, US9206542, US9200840, US9194076, US9163352, US9145872, US9145637, US9127882, US9127400, US9121000, US9097462, US9097461, US9091012, US9091011, US9062409, US9009987, US8997375, US8997372, US8984692, US8974546, US8950220, US8943858, US8943857, US8943845, US8931667, US8931186, US8919009, US8915104, US8893530, US8888550, US8869569, US8844160, US8843242, US8839647, US8833095, US8803040, US8801862, US8793021, US8783070, US8782918, US8733134, US8732975, US8730018, US8707743, US8704639, US8685327, US8677785, US8661706, US8627689, US8626347, US8618452, US8617316, US8601717, US8595955, US8578626, US8572865, US8549887, US8548638, US8548635, US8544187, US8541719, US8534097, US8533881, US8528227, US8528139, US8522579, US8511324, US8510887, US8490294, US8484867, US8474279, US8448478, US8424220, US8407914, US8387419, US8375599, US8375596, US8367984, US8365438, US8365434, US8365433, US8355826, US8353115, US8353114, US8336227, US8307567, US8297082, US8276290, US8266820, US8256136, US8250885, US8209880, US8205351, US8186077, US8181356, US8166669, US8132339, US8127576, US8119070, US8082678, US8065815, US8042282, US8020315, US8015726, US7997006, US7992318, US7987616, US7984568, US7984567, US7980003, US7941937, US7941936, US7934279, US7930838, US7921578, US7913419, US7913417, US7877895, US7770305, US2016244207, US2016115644, US2016090683, US2016053426, US2015374201, US2015322619, US2015315735, US2015308029, US2015204006, US2015121718, US2015101207, US2015059201, US2014259441, US2014208604, US2014144035, US2014059881, US2014033449, US2014026433, US2013340179, US2013312276, US2013305560, US2013175293, US2013175292, US2013160220, US2013152311, US2013145642, US2013104317, US2013036623, US2012291302, US2012285992, US2012285035, US2012199048, US2012198719, US2012192598, US2012102781, US2012090191, US2012066925, US2012060302, US2012017464, US2012017457, US2011308102, US2011277343, US2011265343, US2011236845, US2011209293, US2011190609, US2011186593, US2011162224, US2011138648, US2011138541, US2011083338, US2011083245, US2011062250, US2011061175, US2011041562, US2011030428, US2011030239, US2011022267, US2011000097, US2010312201, US2010299976, US2010299954, US2010299952,

US2010287997, US2010282785, US2010281929, US2010251777, US2010242302, US2010242297, US2010223741, US2010199515, US2010199440, US2010191388, US2010186251, US2010161143, US2010139699, US2010132130, US2010107433, US2010101280, US2010092652, US2010083710, US2010083709, US2010083521, US2010083520, US2010077801, US2010077633, US2010077628, US2010071777, US2010011607, US2010011606, US2010005678, US2010000117, US2010000112, US2009320322, US2009320318, US2009293301, US2009277036, US2009272006, US2009272004, US2009265953, US2009260406, US2009260246, US2009249837, US2009235697, US2009199424, US2009158608, US2009151193, US2009126423, US2009126218, US2009095032, US2009071032, US2009000142, US2008289210, US2008282751, US2008276381, US2008209757, US2008201976, US2008189978, US2008175999, US2008168679, US2008141557, US2008141554, US2008115381, US2008083675, US2008072693, US2008060214, US2008053164, US2008000098, US2007298188, US2007209228, US2007199207, US2007175061, US2007169373, US2007151129, US2007151120, US2007144035, US2006288605, US2004143992, RU2471026, KR101483677, KR101477747, KR101397409, KR101028275, ITTO20121150, ITBO20100473, EP2773807, EP2749687, EP2610397, EP2549009, EP2460929, EP2327827, EP2315976, EP2287391, EP2241664, EP2191056, EP2175065, EP2145996, EP2141280, EP2119821, CN105525498, CN104674504, CN104532526, CN104532521, CN104074035, CN103890260, CN103403242,

Abstract:
Source: US2007151041A A method for revitalizing a fabric load with a revitalization system comprises selecting a revitalization program from a plurality of programs and operating the revitalization system in accordance with the selected revitalization program. The programs can include at least one of a fluid insertion step; a fabric relative motion step; a fluid extraction step; a fabric refreshing step; a fabric reshaping step; a light cleaning step; a water extraction operation, a relative motion operation; a fabric air flow operation; a cooling operation; a fluid insertion operation; and a fabric fluid absorption operation.

0) US2006086129A – ICE MAKING AND DISPENSING SYSTEM

50) Family number: 32865693 (US2006086129A) © PatBase

Title: ICE MAKING AND DISPENSING SYSTEM

Priority: US20040973542 20041026

Family:

Publication number	Publication date	Application number	Application date
AU2005225159 AA	20060511	AU20050225159	20051025
AU2005225159 BB	20100520	AU20050225159	20051025
EP1653175 A2	20060503	EP20050109846	20051021
EP1653175 A3	20150603	EP20050109846	20051021
US2006086129 AA	20060427	US20040973542	20041026
US7266972 BB	20070911	US20040973542	20041026

Probable Assignee: WHIRLPOOL CORP

Assignee(s):(std)**:** ANSELMINO JEFFERY J ; CUR NIHAT ; FISCHER MARCUS R ; GUARINO JAMES C ; KULKARNI TUSHAR ; WHIRLPOOL CO

Assignee(s): WHIRLPOOL CORP

Inventor(s):(std)**:** ANSELMINO JEFFERY J ; ANSELMINO JEFFERY L ; CUR NIHAT ; GUARINO JAMES C ; GUARINO JAMES C L ; KULKARNI TUSHAR ; FISCHER MARCUS R

Inventor(s): GUARINO JAMES ; ANSELMINO JEFFERY ; MARCUS R FISCHER ; NIHAT CUR ; TUSHAR KULKARNI ; GUARINO JAMES CL ; JAMES C L GUARINO ; JEFFERY J ANSELMINO ; FISCHER MARCUS

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GUERCI ALESSANDRO; WHIRLPOOL PATENTS COMPANY – MD 0750; WHIRLPOOL PATENTS CO MD 0750

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

International class (IPC 8–9): F25C5/00 F25C5/18 F25D11/02 F25D17/08 F25D21/06 (Advanced/Invention); F25C5/00 F25D11/02 F25D17/08 F25D21/06 (Core/Invention)

CPC: F25B2600/2511 F25C5/005 F25C2400/10

European class: F25C5/00B2 R25B600/2511 R25C400/10

US class: 62/344 62/344P 62/441 62/441S 623/440

Classification Explorer

Cited documents: US7076967 BB, US6964177 BB, US6945068 BB, US6735959 BA, US6425259 BB, US5375432 A, US5117654 A, US4003214 A, US3788089 A, US3744270 A, US3146606 A, US2765633 A, US2709343 A, JP50069644 A2, EP1598618 A1, EP1517103 A2,

Forward Citations: USD712440, USD697094, USD694297, USD694296, USD694295, US9683771, US9683770, US9683769, US9625202, US9557091, US9528736, US9476627, US9447999, US9417001, US9404682, US9285151, US9267724, US9255728, US9250004, US9222718, US9222717, US9222716, US9207009, US9200828, US9200827, US9175893, US9097455, US8925343, US8844311, US8794024, US8756952, US8733123, US8720221, US8695370, US8627679, US8516845, US8443614, US8371136, US8191379, US8117863, US8074464, US8020403, US7980089, US7908873, US7707847, US7614244, US2013305770, US2013305769, US2013305768, US2013305765, US2013055741, US2011167862, US2011067430, US2010326096, US2010293984, US2010242526, US2010175783, US2010126210, US2010125365, US2010115985, US2010050680, US2010050663, US2010000249, US2009249804, US2009038331, US2008272679, US2008148761, US2007119193, US2006201194, EP2664876, EP2664874, EP2664873, EP2664873, EP2664872, EP2097695, CN103512295,

Abstract:
Source: US2006086129A An ice making and dispensing system suitable for making and dispensing ice through the refrigerator compartment door of a bottom freezer refrigerator. The ice maker and ice cube storage bin can be positioned in an insulated module in the refrigerator compartment opposite an ice dispenser positioned on the refrigerator compartment door. The insulated module is maintained at temperatures below 0 degrees centigrade

for forming and storing ice cubes. Air ducts from the evaporator compartment or an auxiliary ice maker evaporator can be provided to maintain below 0 degrees centigrade temperatures in the insulated module.

- **search:** SS9 sFT=(water W1 (dispenser or storag*) and (furniture or planter or cabinet or furnishing)) (Results 4580)

- List: SS9 1−50 (sFT=(water W1 (dispenser or storag*) and (furniture or planter or cabinet or furnishing))) (Results 4580)

0) US2002069664A – METHOD AND APPARATUS FOR DISINFECTING A WATER C...

1) Family number: 44320125 (US2002069664A) © PatBase

Title: Method and apparatus for disinfecting a water cooler reservoir

Priority:

CN200880118883 20081002 EP20080836137 20081002 US20010881796 20010615
US20010954849 20010918 US19990472320 19991223 US19980220554 19981223
US20010996328 20011128 US20060457365 20060713 US20020173133 20020617
US20040875078 20040623 US20030463870 20030617 US20020389439P 20020618
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US20070842476 20070821 US20060535754 20060927 US20160257791 20160906
WO2002US19158 20031215 WO2002US19158 20020617 WO2008US78601 20081002
US20160263578 20160913

Family:

Publication number	Publication date	Application number	Application date
AU2002316266 AA	20030102	AU20020316266	20020617
AU2002316266 AB	20040318	AU20020316266	20020617
AU2002316266 BB	20080501	AU20020316266	20020617
CA2450117 AA	20031209	CA20022450117	20020617
CA2450117 C	20110426	CA20022450117	20020617
CA2701745 AA	20100406	CA20082701745	20081002
CA2701745 C	20151201	CA20082701745	20081002
CN101903720 A	20101201	CN200880118883	20081002
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CN104386640 A	20150304	CN201410484115	20081002
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EP1414736 A1	20040506	EP20020746558	20020617
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US2013192293 AA	20130801	US20130737636	20130109	
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US2014223938 AA	20140814	US20140177510	20140211	
US2015108051 AA	20150423	US20140525188	20141027	
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US2017066666 AA	20170309	US20160263578	20160913	
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WO09046201 A2	20090409	WO2008US78601	20081002	
WO09046201 A3	20090806	WO2008US78601	20081002	

Probable Assignee: S I P TECH L L C

Assignee(s):(std)**:** DAVIS KENNETH A ; EHS AJ PI TEKNOLODZHIS EHL EHL SI ; S I P TECHNOLOGIES L L C ; JAMES SHELTON ; S I P TECHNOLOGIES L L C A LOU ; S I P TECHNOLOGIES ; S I P TECH L L C ; S I P TECH LLC ; S I P TECH INC ; SIP TECHNOLOGIES LLC ; SHELTON JAMES J ; S I P TECHNOLOGIES LLC

Assignee(s): S I P TECHNOLOGIES L L C A LOUISIANA LIMITED LIABILITY COMPANY ; SIP TECHNOLOGIES LLC CENTREVILLE ; SIPTECHNOLOGIES LLC ; SIP TECHNOLOGIES INC ; S ; EHSAJPI TEKNOLODZHIS EHLEHLSI ; JAMES J SHELTON ; BANKERS TRUST CO

Inventor(s):(std)**:** DAVIS ; DAVIS KENNETH ; DAVIS KENNETH A ; DEHVIS KENNET A ; DAVIS KENNETH A A ; SHELTON JAMES J ; SHELTON J J

Inventor(s): SHELTON JAMES ; JJ SHELTON ; KENNETH A DAVIS ; JAMES J SHELTON ; J J SHELTON

Agent(s): HERBERT SMITH FREEHILLS; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; KIRBY EADES GALE BAKER; GOWLING LAFLEUR HENDERSON LLP; WITTMANN HERNANDEZ PATENTANWAELTE PARTNERSCHAFT MBB; HARRISON GODDARD FOOTE; VAUGHAN CHRISTOPHER TAMMO; LAZCANO JESUS; HANDE MUMCUOGLU; GARVEY SMITH NEHRBASS AND DOODY LLC; GARVEY SMITH NEHRBASS AND NORTH LLC; CHARLES C; VANESSA M; GARVEY SMITH NEHRBASS AND NORTH L L C; BRETT A; NEHRBASS SETH M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47J31/46 A61L2/20 B01D21/30 B01D35/00 B01J19/08 B67D1/07 B67D1/08 B67D3/00 B67D5/06 B67D5/58 B67D5/62 B67D7/06 B67D7/76 B67D7/80 C01B13/11 C02F1/00 C02F1/50 C02F1/68 C02F1/72 C02F1/78 C02F9/00 C10J1/08 F25B49/00 F25D11/00 F25D23/12 F25D3/00 F25D31/00 (Advanced/Invention);
B67D1/00 B67D7/80 C02F1/00 C02F1/68 (Advanced/Non–invention);
A61L2/20 B67D1/00 B67D3/00 B67D7/76 C02F1/78 C02F9/00 C10J1/00 F25D11/00 F25D3/00 (Core/Invention);
B67D1/00 C02F1/00 C02F1/68 (Core/Non–invention);
B67D C02F (Subclass/Invention)

International class (IPC 1–7): A47J31/46 B67D1/07 B67D3/00 B67D5/06 B67D5/58 B67D5/62 C02F1/50 C02F1/68 C02F1/72 C02F1/78 F25D11/00 F25D3/02

CPC: A61L2/202 B67D3/0029 B67D3/0035 B01F3/0412 B01F3/04269 B01F2003/04191 B01F2003/04326 B01F2003/04361 B67D1/07 C01B13/10 C01B13/11 C02F1/685 C02F9/005 C02F2209/40 B67D3/0083 F25B49/00 B67D2210/0013 Y10S261/42 B67D3/0032 B67D3/0038 B67D2210/00007 B67D2210/00013 B67D2210/00023 C02F2201/782 C02F2201/784 C02F2209/42 C02F2209/44 C02F2303/04 C02F2209/235 C02F2307/10 C02F1/50 C02F1/003 C02F2209/005 B67D3/0077 B67D3/0074 F25D11/00 F25D31/002 F25D23/12 B67D2210/0001 C02F1/78 B67D3/0009 C02F1/008 B67D7/80

European class: A61L2/20C B01F3/04C1B1 B01F3/04C1B2L B67D1/07 B67D3/00C B67D3/00H B67D3/00H2 B67D3/00H4 B67D3/00K C01B13/10 C01B13/11 C02F1/00T C02F1/78 C02F9/00B L01F3/04C1B1H2 L01F3/04C1B2T12 L01F3/04C1B2U2 L67D210/00B2B L67D210/00B4 L67D210/00B4H M02F1/00T M02F1/68P M02F1/78 M02F201/782 M02F201/784 M02F209/00T M02F209/40 M02F209/42 M02F209/44 M02F303/04

US class: 1/1 210/104 210/139 210/140 210/141 210/150 210/192 210/205 210/220 210/760 210/86 210/97 222/1 222/146.1 222/146.100P 222/146.6 222/146.600S 222/185.1 222/185.100P 222/189.06 222/189.060P 222/19 222/190 222/190P 222/190S 261/122.1 261/122.100P 261/DIG.42 422/186.14 422/186.140P 62/157 62/289 62/318 62/318P 62/389 62/389S 62/392 62/392P

Classification Explorer

Cited documents: WO9742924 A1, WO9317725 A1, WO9204969 A1, WO8804279 A1, WO06015480 A1, WO02102706 A1, WO0202706 A1, WO0038815 A1, US8871085 BB, US8647501 BB, US8500993 BB, US8366920 BB, US7748233 BB, US7655150 BB, US7640766 BB, US7422684 BA, US7258803 BB, US7175054 BB, US7114637 BB, US6619511 BB, US6568900 BB, US6561382 BB, US6532760 BB, US6481219 BB, US6405387 BA, US6389690 BA, US6361686 BA, US6328261 BA, US6289690 BA, US6270733 BA, US6247633 BA, US6182453 BA, US6167921 BA, US6164146 A, US6149804 A, US6146524 A, US6085540 A, US6053391 A, US6050474 A, US6030586 A, US5951921 A, US5911341 A, US5871701 A, US5868944 A, US5866081 A, US5862975 A, US5858283 A, US5768049 A, US5744028 A, US5698164 A, US5683576 A, US5669221 A, US5632268 A, US5587089 A, US5582717 A, US5567332 A, US5567322 A, US5531908 A, US5503809 A, US5431861 A, US5422043 A, US5366619 A, US5328059 A, US5295519 A, US5262096 A, US5256282 A, US5213773 A, US5106495 A, US5015394 A, US4991635 A, US4842723 A, US4805808 A, US4776127 A, US4767528 A, US4764349 A, US4752389 A, US4603031 A, US4599166 A, US4410495 A, US4382867 A, US4341641 A, US4193949 A, US4082893 A, US4035657 A, US4019986 A, US3978176 A, US3970731 A, US3970431 A, US3967131 A, US3921002 A, US3843521 A, US3825640 A, US3726404 A, US3692180 A, US3688950 A, US3644231 A, US3603509 A, US3538020 A, US3520418 A, US3448045 A, US3416776 A, US3382980 A, US3353682 A, US3246767 A, US3238056 A, US3166615 A, US3007334 A, US2947525 A, US2297248 A, US2093619 A, US2007272620 AA, US2005236432 AA,

US2005087554 AA, US2004074252 AA, US2003156978 AA, US2003071069 AA, US2002139756 AA, US2002041041 AA, US1403025 A, US1375099 A, US1000206 A, SU1184440 D, JPS61103595, JP61103595 A2, JP361103595, JP361103595, JP361103595, JP36110359 A2, JP3055479 A2, GB2022979 A1, EP1149054 B1, EP1015389 B1, EP0739312 B1, EP0739312 A1, EP0163750 A1, CN2925082, CN2855261, CN2848058, CN2645458, CN1964914, CAWO2006015480, CA2450117 AA,

Forward Citations: WO16197242, WO16197230, WO13153073, WO13067003, WO13045508, WO11044143, WO10124124, WO10003241, WO09046201, WO09046201, WO06133113, WO06130786, WO06015480, WO05118462, WO05118462, WO02081361, USD790040, USD783778, USD783777, USD681171, USD681170, USD578390, USD533388, US9643831, US9580290, US9573798, US9572454, US9522348, US9480762, US9446968, US9434623, US9358316, US9352948, US9327957, US9327216, US9320993, US9314716, US9174845, US9107538, US9101208, US9046390, US9034183, US8992781, US8941509, US8931330, US8911627, US8871085, US8728310, US8684050, US8647501, US8607583, US8511349, US8500993, US8495893, US8480901, US8387409, US8366920, US8343341, US8298492, US8240933, US8176948, US8156968, US8153074, US8151482, US8092680, US8061918, US8056358, US8045849, US8028536, US8007666, US7895938, US7882705, US7776446, US7776428, US7754090, US7748233, US7658100, US7655150, US7640766, US7422684, US7378014, US7258803, US7175054, US7114637, US6786255, US6736298, US6712341, US6561382, US2017049918, US2017008749, US2016244313, US2016107874, US2015151957, US2015136674, US2015129607, US2015083250, US2015068983, US2014326663, US2014226960, US2014208955, US2014154134, US2014055283, US2013272921, US2013233438, US2013104742, US2012266983, US2012237963, US2012192524, US2012189502, US2012111803, US2012000861, US2011256027, US2011220589, US2011219855, US2011215114, US2011048038, US2011047373, US2011006085, US2010288710, US2010252585, US2010252415, US2010175417, US2010170656, US2010126037, US2010083676, US2010083675, US2010083674, US2010083673, US2010021598, US2010005825, US2009242074, US2009101594, US2008264877, US2008184720, US2008073287, US2008050290, US2007269251, US2007214879, US2007206364, US2007202311, US2007190335, US2007176331, US2007108135, US2007084351, US2007075006, US2007062600, US2007057389, US2006291839, US2006275610, US2006248901, US2006191960, US2006111540, US2006034940, US2005284167, US2005236432, US2005087554, US2004074252, US2003071069, RU2605060, RU2536375, RU2474773, KR101282052, KR101209842, KR101037989, JP2014523327, JP2013527016, JP2013001429, JP2012096797, JP2009234900, JP2007534566, ITGE20090087, EP2835340, EP2821365, EP2650261, EP2574593, EP2368853, EP1737785, CN105026303, CN104609509, CN104422120, CN104422120, CN104114476, CN101785868, AU2016203846, AU2005249908,

Abstract:
Source: US2002069664A A method and apparatus for providing sanitized water in a bottled water dispenser uses a refrigeration system to cool the water and an ozone generating system to generate ozone for sanitizing the water. Ozone is generated and collected within an ozone generator housing. A blower transmits air to the housing, the air carrying the ozone through a flow line to an air diffuser that is positioned inside the reservoir of the water dispenser. A time deactivates the refrigeration system and at about the same time activates the ozone generator and the blower. The blower continues to pump air for a selected time period after the ozone generator is shut down, the water in the reservoir having been sanitized. This action dispenses any ozone odor. The pump then shuts off and the refrigeration system resumes operation of cooling the water in the reservoir.

0) US2004206132A – WASHING MACHINE

2) Family number: 28718791 (US2004206132A) © PatBase

Title: WASHING MACHINE

Priority: EP20020793525 20021227 KR20010086105 20011227 KR20010086106 20011227 WO2002KR02445 20021227

Family:

Publication number	Publication date	Application number	Application date
AU2002359043 AA	20030715	AU20020359043	20021227
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US2004206132 AA	20041021	US20030469159	20030826
US7421862 BB	20080909	US20020469159	20021227
WO03056094 A1	20030710	WO2002KR02445	20021227

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** LG ELECTRONICS INC ; LYU JAE CHUL

Inventor(s):(std)**:** LYU JAE CHUL ; RYU JAE CHEOL ; JAE CHOL REW

Inventor(s): JAE CHUL LYU ; REW JAE CHOL

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; HALE PETER ET AL; BRYN JACOBSEN CAELIA; MCKENNA LONG AND ALDRIDGE LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): D06F33/00 D06F37/00 D06F37/26 D06F39/00 D06F39/04 D06F39/08 D06F39/12 (Advanced/Invention); D06F39/08 D06F39/12 (Advanced/Non–invention); D06F39/08 D06F39/12 (Core/Invention)

International class (IPC 1–7): D06F039/04 D06F33/00 D06F39/00 D06F39/04 D06F39/08 D06F39/12

CPC: D06F37/26 D06F37/267 D06F39/002 D06F39/045 D06F39/081 D06F39/083 D06F37/261 D06F37/20

European class: D06F37/26 D06F37/26S D06F39/00C D06F39/04T D06F39/08B D06F39/08D

US class: 68/12.02 68/12.020S 68/12.03 68/12.030P 68/208 68/23.00RS 68/23R

Classification Explorer

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Forward Citations: WO13127822, WO13127822, US9096966, US2011023919, US2002131475, KR100776239, EP2634302, CN102086582,

Abstract:
Source: US2004206132A Washing machine including a cabinet, a water storage tub mounted in the cabinet, the water storage tub having a water storage space therein and a drain hole for draining washing water in the water storage space, a supporter fitted between the cabinet and the water storage tub for supporting the water storage tub,and a sensor for sensing information on the water storage space, the senor fitted to an outside of the water storage tub for prevention of leakage of the washing water, thereby providing interchangeability between washing machines with or without the sensor fitted to the water storage tub.

0) US6189551B – DISHWASHER

3) Family number: 30349356 (US6189551B) © PatBase

Title: DISHWASHER

Priority:

AU19980057835	19980130	AU20000013635	20000131	CA19982279891	19980130
CA19982376631	19980130	CA19982376631	19980130	CA19982380564	19980130
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Family:

Publication number	Publication date	Application number	Application date
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HK1085106 A3	20060818	HK20060107596	20040528	
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US6398495 BA	20020604	US20000664028	20000919	
US6447081 BA	20020910	US20000666503	20000918	
WO9833426 A1	19980806	WO1998NZ00008	19980130	

Probable Assignee: FISHER AND PAYKEL LTD

Assignee(s):(std)**:** BUTLER RICHARD GEORGE ARTHUR ; FISHER AND PAYKEL ; FISHER AND PAYKEL APPLIANCES L ; SARGEANT ADRIAN ; WILKS JOHN ; KAZIANUS BABIS ; MAUNSELL STEVE ; FISHER AND PAYKEL LTD ; FISHER AND PAYKEL APPLIANCES LTD

Assignee(s): FISHER AND PAYKEL APPLIANCES LTD EAST TAMAKI ; FISHER AND PAYKEL LIMITED ; FISHER AND PAYKEL APPLIANCES LIMITED

Inventor(s):(std)**:** ADRIAN ANTHONY SARGEANT ; ADRIAN SARGEANT ; BABIS KAZIANUS ; BUTLER RICHARD GEORGE ARTHUR ; JOHN WILKS ; KAZIANUS BABIS ; MAUNSELL STEVE ; RICHARD GEORGE ARTHUR BUTLER ; RICHARD GEORGE BUTLER ; SARGEANT ADRIAN ANTHONY ; STEVE MAUNSELL ; WILKS JOHN ; SARGEANT ADRIAN ; KAZAINUS BABIS ; BUTLER RICHARD GEORGE ; BUTLER GEORGE

Inventor(s): BUTLER RICHARD GEORGE MAORI HILL ; MAUNSELL STEVE MOSGIEL

Agent(s): A J PARK; AJ PARK; RICHES MCKENZIE AND HERBERT LLP; WEICKMANN AND WEICKMANN PATENTANWAELTE RECHTSANWALT PARTMBB; HOARTON LLOYD DOUGLAS CHARLES ET AL; HOARTON LLOYD DOUGLAS CHARLES

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

International class (IPC 8–9): A47B77/08 A47L15/00 A47L15/02 A47L15/08 A47L15/14 A47L15/23 A47L15/26 A47L15/42 A47L15/44 A47L15/46 D06F39/08 F04D13/14 F04D29/22 F04D29/24 F04D29/42 H02H3/00 H02H3/05 H02H3/16 H02H3/32 H02H3/33 H02H7/00 H05B1/00 H05B3/00 H05K5/02 (Advanced/Invention);
A47B77/08 A47L15/00 A47L15/42 H02H3/33 (Advanced/Non–invention);
A47L15/00 A47L15/14 A47L15/42 A47L15/44 A47L15/46 D06F39/08 H02H3/16 H02H3/32 (Core/Invention);
H02H3/32 (Core/Non–invention);
A47L H02H (Subclass/Invention);
F04D H02H H05K (Subclass/Non–invention)

International class (IPC 1–7): A47B77/08 A47L15/00 A47L15/08 A47L15/14 A47L15/23 A47L15/26 A47L15/42 A47L15/44 A47L15/46 A47L17/00 D06F39/08 D06F39/12 F04D13/14 F04D29/22 F04D29/24 F04D29/42 F04D29/66 H02H3/00 H02H3/05 H02H3/16 H02H3/32 H02H3/33 H02H7/00 H05B1/00 H05B1/02 H05B3/00 H05K5/02

CPC: Y10S415/911 A47L15/0021 A47L15/0026 A47L15/0055 A47L15/4221 A47L15/4225 A47L15/4285 A47L15/44 A47L15/4436 A47L15/46 A47L2401/20 A47L2501/03 A47L2501/28 A47L2501/30 H02H3/334 A47L15/0084 A47L15/4217 A47L15/4223 A47L15/4257 A47L15/4263 D06F39/085 A47L15/00 A47L15/42

European class: A47L15/00C1 A47L15/00C10 A47L15/00C1B A47L15/00F A47L15/42C2 A47L15/42C4B A47L15/42C6 A47L15/42C8 A47L15/42J6 A47L15/42J6C A47L15/42M A47L15/44 A47L15/44C A47L15/46 D06F39/08D2 H02H3/33E K47L15/42J6C K47L401/20 K47L501/03 K47L501/28 K47L501/30 T02H3/33E

US class: 134/186 134/200 134/60 219/481 219/491 219/497 219/519 312/228.1 312/278 361/79 415/206 415/212.1 415/56.2 415/911 68/196

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Forward Citations: WO17003214, WO14155336, WO11051181, WO08150184, WO08067895, WO08067894, WO06089622, WO03053209, WO02053007, WO0193741, WO0176448, WO0126532, WO0110284, WO0072741, USD682490, US9714318, US9687134, US9611578, US9592539, US9572475, US9546442, US9462926, US9307888, US9283716, US9265400, US9265398, US9155446, US9090449, US9090448, US9090447, US9090446, US8950831, US8834642, US8771433, US8680442, US8668781, US8635890, US8619396, US8606395, US8565917, US8551255, US8548624, US8459280, US8404054, US8397736, US8337631, US8336565, US8317280, US8290616, US8290615, US8190290, US8103378, US8057199, US8043437, US7988790, US7973431, US7959742, US7954913, US7931032, US7892359, US7870863, US7862665, US7850784, US7845361, US7832419, US7832417, US7775223, US7763119, US7754025, US7749335, US7731804, US7699063, US7695571, US7684164, US7624745, US7617834, US7607444, US7578305, US7568487, US7527062, US7475698, US7422022, US7418969, US7363093, US7258126, US7219678, US7204259, US7152612, US7069181, US7021891, US6997195, US6826933, US6732552, US6659114, US6622896, US6622740, US6598611, US6571808, US6491049, US6460555, US6401733, US6291309, US2016278604, US2015259893, US2015214720, US2015026956, US2013269736, US2013160799, US2012138094, US2012133477, US2011298338, US2011214702, US2011214695, US2011186081, US2011148265, US2011127891, US2010326646, US2010307185, US2010282281, US2010256826, US2010206342, US2010170542, US2010163082, US2010101282, US2010083992, US2010051070, US2009320887, US2009159097, US2009139287, US2009090400, US2009028700, US2009015119, US2009015118, US2008271765, US2008115813, US2008062591, US2008035189, US2007246084, US2007246083, US2007246078, US2007246077, US2007246070, US2007124004, US2007119485, US2007119483, US2007119482, US2007039634, US2007006603, US2006254619, US2006237047, US2006237046, US2006237045, US2006174923, US2006174918, US2006174915, US2006130882, US2006117711, US2005224100, US2005114049, US2005022848, US2004244825, US2004134237, US2004120802, US2004085006, US2004085005, US2003145633, US2003037809, US2002056293, TWI341634, RU2516488, KR100601436, JP2003038406, ITUD20120018, ITTO20130259, GB2356131, GB2356131, FR2800981, EP2623127, EP2127587, EP1929923, EP1929922, EP1929921, EP1929920, EP1847209, EP1847208, EP1790272, EP1700558, EP1674027, EP1497491, EP1497491, EP1417922, EP1417922, EP1319360, EP1316285, EP1286617, EP1284633, EP1284633, EP1220636, EP1189534, DE112008001527, DE102010061844, DE102010061354, DE102009046084, DE102009044590, DE102009044540, DE102005008249, DE102005008249, DE102005008248, DE102005008248, DE102005008247, DE102005008247, DE102004062767, DE10163192, CN103252333, AU769054, AU758082, AU754860, AU2008203230, AU2007327945, AU2007200593, AU2001252789,

Abstract:
Source: US6189551B A dishwasher having a cabinet and wash chambers in the form of drawers which slide in and out of the cabinet. Rigid and flexible closures are disclosed for sealing off the wash chambers when retracted into the cabinet. A detergent dispenser for the dishwasher is provided in one wall of a wash chamber in the wash water discharge path into the wash chamber so that detergent powder is flushed out of the dispenser and mixed with the wash water prior to the latter being discharged into the wash chamber.A wash programme for a dual wash chamber dishwasher is also disclosed which minimises total water consumption by transferring water from one chamber to the other.

0) US2005268639A – VARIABLE FLOW WATER DISPENSER FOR REFRIGERATOR ...

4) Family number: 32471043 (US2005268639A) © PatBase

Title: VARIABLE FLOW WATER DISPENSER FOR REFRIGERATOR FREEZERS

Priority: US20040861569 20040604 US20070690184 20070323

Family:

Publication number	Publication date	Application number	Application date
AU2005202419 AA	20051222	AU20050202419	20050603
BRPI0502220 A	20060124	BR2005PI02220	20050603
CN100443836 C	20081217	CN200510075485	20050602
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Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** BOARMAN PATRICK J ; FISCHER MARCUS R ; HARMON DARYL L ; HORTIN GREGORY G ; KICKLIGHTER BRADLEY L ; VOGLEWEDE RONALD L ; WHIRLPOOL CO ; WILSON GARY W SR ; WHIRLPOOL CORP

Assignee(s): WHIRPOOL CORP

Inventor(s):(std)**:** BOARMAN ; BOARMAN PATRICK J ; BRADLEY L KICKLIGHTER ; FISCHER ; FISCHER MARCUS R ; HARMON ; HARMON DARY L ; HARMON DARYL L ; HORTIN ; HORTIN GREGORY G ; HORTIN GREGORY G VOGLEWEDE RON ; KICKLIGHTER ; KICKLIGHTER BRADLEY ; KICKLIGHTER BRADLEY L ; VOGLEWEDE ; VOGLEWEDE RONALD L ; WILSON ; WILSON SR GARY W ; RONALD L VOGLEWEDE ; PATRICK J BOARMAN ; MARCUS R FISCHER ; GREGORY G HORTIN ; GARY W WILSON ; DARYL L HARMON ; WILSON GARY W ; WILSON GARY W SR

Inventor(s): WILSON GARY WSR ; VOGLEWEDE RONALD ; SR GARY W ; HORTIN GREGORY ; FISCHER MARCUS ; BOARMAN PATRICK ; WILSON GARY ; PATRICK J BOERMON ; HORTIN GREGORY G VOGLEWEDE RONALD L FISCHER MARCUS ; HARMON DARYL ; GARY W WILSON SR ; DARY L HARMON

Agent(s): PHILLIPS ORMONDE FITZPATRICK; WHIRLPOOL PATENTS COMPANY – MD 0750, SUITE 102; WHIRLPOOL PATENTS CO MD 0750 SUITE 102; WHIRLPOOL PATENTS CO MD 0750; JOHN F; STEPHEN; ROBERT O; KIRK W; ROBERT L; MICHAEL D

Designated states: DE FR GB IT

International class(IPC 8–9)**:** B65D35/56 B67D1/00 B67D5/06 B67D5/08 B67D5/30 B67D5/62 B67D7/06 B67D7/08 B67D7/30 B67D7/80 F25C1/22 F25C5/00 F25D11/00 F25D23/00 F25D23/02 F25D23/12 F25D25/00 G05D7/06 (Advanced/Invention); F25D11/00 F25D23/00 F25D23/02 F25D25/00 (Advanced/Non–invention); B65D35/00 B67D1/00 B67D7/06 B67D7/08 B67D7/80 F25C1/22 F25C5/00 F25D11/00 F25D23/00 F25D23/02 F25D23/12 F25D25/00 G05D7/06 (Core/Invention)

International class(IPC 1–7)**:** B67D1/00 B67D1/08 B67D3/00 B67D5/00 F16K17/26 F16K24/00 F25C1/22 F25C5/00 F25D21/00 F25D23/00 F25D23/12

CPC: F25D23/126 F25D2323/122 B67D1/0009 B67D2210/00036 F25D25/00 F25D11/00 F25D23/00 F25D23/02

European class: B67D1/00E4 L67D210/00D2B2

US class: 222/105 222/105S 222/129.1 222/14 222/144.5 222/146.6 222/14S 222/52 222/64 222/64P 62/389 62/389P 62/389S

Classification Explorer

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Forward Citations: WO13054277, WO13054277, WO12006831, WO11019202, WO11019202, WO11000072, WO09006691, WO08017419, WO08017419, WO07103166, WO06108665, WO06108665, US9683771, US9663343, US9656880, US9499384, US9441624, US9383134, US9335088, US9297574, US9267732, US9212840, US9170040, US9149745, US9126818, US9068770, US9057556, US9049962, US8720221, US8668291, US8646285, US8627679, US8607585, US8464903, US8424545, US8364321, US8327889, US8322384, US8245735, US8196419, US8151596, US8083104, US8000907, US7861551, US7841198, US7757732, US7673661, US7621217, US7591399, US7442297, US7333899, US2015329347, US2015225225, US2015197417, US2015037170, US2014263066, US2014251498, US2014166784, US2014021227, US2013327068, US2013047658, US2012216560, US2012111049, US2012111031, US2011308269, US2011302935, US2011214441, US2011030412, US2010308073, US2010307184, US2010276443, US2010218525, US2010204832, US2010155415, US2010138053, US2010071401, US2009314801, US2009199879, US2009183796, US2009139258, US2009126176, US2008264092, US2008228318, US2008210113, US2008184730, US2008156008, US2008148840, US2008016900, US2007204646, US2007175919, US2006191829, US2006080050, KR101096994, JP2013501206, EP2407739, EP2331895, EP2331895, EP2207459, EP1890097, EP1795840, DE102006002445, CN103868318, CN102472548, CN102472548, AU2010283082, AU2008274898,

Abstract:
Source: US2005268639A A variable flow rate water dispenser mounted on a refrigerator door is provided that can dispense water at user selected flow rates. The water dispenser includes a nozzle for dispensing water from a dispenser housing on a refrigerator door and a user adjustable flow control. The user adjustable flow control can include a variable flow rate water valve or a plurality of water valves that can have different flow rates and can be operated separately or in combination to provide different flow rates. The user adjustable flow control can alternately include a variable flow pump for controlling flow of water to the nozzle at a user selected flow rate. The refrigerator can include a reservoir inside or outside the refrigerator. The reservoir can be connected to a source of water and automatically filled or can be manually filled. The nozzle can include a flow straightener or aerator to minimize splashing.

0) US2005236432A – METHOD AND APPARATUS FOR PROGRAMABLY TREATING W...

5) Family number: 32360902 (US2005236432A) © PatBase

Title: METHOD AND APPARATUS FOR PROGRAMABLY TREATING WATER IN A WATER COOLER

Priority: NZ20050550603 20050421 US20040564178P 20040421 US20050009913 20050420 US20050109913 20050420 WO2005US14118 20050421 US20060535754 20060927 US20070842476 20070821

Family:

Publication number	Publication date	Application number	Application date
AT504541 E	20110415	AT20050779126T	20050421
AU2005249908 AA	20051215	AU20050249908	20050421
AU2005249908 BB	20110428	AU20050249908	20050421
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EP1737785 A2	20070103	EP20050779126	20050421
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US2005236432 AA	20051027	US20050109913	20050420
US2007108135 AA	20070517	US20060535754	20060927
US2009101594 AA	20090423	US20070842476	20070821
US7114637 BB	20061003	US20050109913	20050420
US7258803 BB	20070821	US20060535754	20060927
US7655150 BB	20100202	US20070842476	20070821
WO05118462 A2	20051215	WO2005US14118	20050421
WO05118462 A3	20060914	WO2005US14118	20050421
WO05118462 C2	20060420	WO2005US14118	20050421

Probable Assignee: SIP TECHNOLOGIES LLC

Assignee(s):(std): DAVIS KENNETH A ; ED LIABILITY CO S I P TEC ; SIP TECHNOLOGIES LLC ; S I P TECHNOLOGIES L L C ; S I P TECHNOLOGIES L L C A LOU ; KENNETH DAVIS ; ED

LIABILITY COMPANY S I P TEC ; KENNETH A DAVIS ; S I P TECHNOLOGIES L L C A LOUISIANA US LTD LIABILITY COMPANY

Assignee(s): S I P TECHNOLOGIES L L C A LOUISIANA US LIMITED LIABILITY COMPANY ; SIP TECHNOLOGIES LLC A LOUISIANA US LIABILITY COMPANY LTD ; ED LIABILITY COMPANY S I P TECHNOLOGIES L L C A LOUISIANA US LIMIT ; S I P TECHNOLOGIES L L C (A LOUISIANA US... ; ED LIABILITY CO SIP TECHNOLOGIES LLC

Inventor(s):(std)**:** DAVIS KENNETH ; DAVIS KENNETH A

Inventor(s): KENNETH A DAVIS

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61L2/20 B67D1/07 B67D1/08 B67D3/00 B67D5/58 B67D5/62 B67D7/62 B67D7/76 B67D7/80 C02F1/50 C02F1/78 F25D11/00 (Advanced/Invention);
A61L101/10 B67D7/76 C02F1/00 F25D11/00 (Advanced/Non–invention);
A61L2/20 B67D1/00 B67D3/00 B67D7/58 B67D7/76 B67D7/80 C02F1/50 C02F1/78 F25D11/00 (Core/Invention);
C02F1/00 (Core/Non–invention);
B67D (Subclass/Invention)

International class (IPC 1–7): B67D5/58

CPC: B67D3/0009 B67D3/0029 B67D2210/00013 C02F1/78 C02F2209/005 C02F2201/782 C02F2201/784 C02F2307/10 B67D3/0077 B67D7/76 F25D11/00

European class: B67D3/00C B67D3/00H C02F1/78 L67D210/00B4 M02F209/00T

US class: 210/138 210/760 222/146.6 222/146.600P 222/146.600S 222/185.1 222/190 222/52 62/389

Classification Explorer

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Forward Citations: WO09046201, WO09046201, US9480762, US9446968, US9434623, US9416034, US8871085, US8647501, US8500993, US8495893, US8366920, US8196424, US8176948, US8133398, US8007666, US7993600, US7748233, US7695613, US7655150, US7422684, US7258803, US2015129607, US2011047373, US2010288710, US2010250449, US2010218510, US2010187185, US2010170656, US2010018930, US2009308494, US2009242074, US2009101594, US2008264877, US2007108135, US2006169647, RU2474773, CN104755413, CN104755413, CN101903720,

Abstract:
Source: US2005236432A An apparatus for a programmable self sanitizing water dispenser apparatus with a digital computer as well as a programmable method for generating ozone for cleaning the reservoir and the water contained within it.

0) US2006086127A – ICE MAKING AND DISPENSING SYSTEM

6) Family number: 32514335 (US2006086127A) © PatBase

Title: ICE MAKING AND DISPENSING SYSTEM

Priority: CA20052523464 20051014 US20040973513 20041025 US20040973516 20041026 US20070830162 20070730 US20090388096 20090218 US20110985451 20110106 US20120608511 20120910 US20140220483 20140320 US20150816241 20150803

Family:

Publication number	Publication date	Application number	Application date
AR051400 AA	20070110	AR2005P104437	20051024
AU2005225154 AA	20060511	AU20050225154	20051025
BRPI0505473 A	20060912	BR2005PI05473	20051025
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US2009145158 AA	20090611	US20090388096	20090218
US2011094255 AA	20110428	US20110985451	20110106
US2012006047 AB	20120112	US20110985451	20110106
US2012324940 AA	20121227	US20120608511	20120910
US2014202197 AA	20140724	US20140220483	20140320
US2015338149 AA	20151126	US20150816241	20150803
US7266951 BB	20070911	US20040973516	20041026
US7509818 BB	20090331	US20070830162	20070730
US7895859 BB	20110301	US20090388096	20090218
US8627679 BB	20140114	US20110985451	20110106
US8720221 BB	20140513	US20120608511	20120910
US9683771 BB	20170620	US20150816241	20150803

Probable Assignee: WHIRLPOOL CO

Assignee(s):(std): ANSELMINO JEFFERY ; ANSELMINO JEFFERY J ; CUR NIHAT ; FISCHER MARCUS ; FISCHER MARCUS R ; ANSELMINO MARY ANN ; LEWIS KAREN M ; PASTRYK JIM J ; LECLEAR DOUGLAS D ; LECLEAR DOUGLAS ; MAGLINGER FRANK ; PASTRYK JIM ; KULKARNI TUSHAR ; MAGLINGER FRANK W ; QUAKER OATS CO ; THE QUAKER OATS COMPANY ; QUERFURTH KAREN J ; WHIRLPOOL CO ; TENBARGE ANDREW M ; TENBARGE ANDREW

Assignee(s): WHIRLPOOL CORP ; QUAKER OATS COMPANY THE

Inventor(s):(std): LEWIS KAREN M ; QUAKER OATS CO ; THE QUAKER OATS COMPANY ; TENBARGE ANDREW M ; TENBARGE ANDREW J ; TENBARGE ANDREW ; QUERFURTH KAREN J ; MAGLINGER FRANK W ; MAGLINGER FRANK ; LECLEAR DOUGLAS D ; LECLEAR DOUGLAS ; KULKARNI TUSHAR ; KULKARNI T V ; CUR NIHAT O ; CUR NIHAT ; ANSELMINO JEFFREY J ; ANSELMINO JEFFERY L ; ANSELMINO JEFFERY J ; ANSELMINO JEFFERY ; ANSELMINO J JEFFERY ; JEFFERY J ANSELMINO ; FISCHER MARCUS R ; FISCHER MARCUS ; PASTRYK JIM J ; PASTRYK JIM ; KAREN M LEWIS

Inventor(s): LEWIS KAREN ; NIHAT CUR ; DOUGLAS D LECLEAR ; ANDREW J TENBARGE ; KAREN J QUERFURTH ; JIM J PASTRYK ; QUERFURTH KAREN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; MACRAE AND CO; GUERCI ALESSANDRO; WHIRLPOOL PATENTS COMPANY, MD 0750; WHIRLPOOL PATENTS CO MD 0750; RYNDAK AND SURI LLP; KIRK; MICHAEL D; GOODWIN KIRK; LAFRENZ MICHAEL D

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

International class (IPC 8–9): A21D10/00 A21D13/08 A21D2/06 A21D2/18 A21D2/36 A23L1/09 A23L1/10 A23L1/308 B67D7/80 F25C1/00 F25C1/22 F25C5/00 F25C5/16 F25C5/18 F25D11/02 F25D21/06 F25D25/00 F25D25/04 F25D3/02 (Advanced/Invention); A21D10/00 A21D13/00 A21D2/00 A23L1/09 A23L1/10 A23L1/308 F25C1/00 F25C5/00 F25D11/02 F25D21/06 F25D25/00 (Core/Invention)

International class (IPC 1–7): A21D2/18 A21D2/18 A21D2/36 A21D2/36 A23L1/0522 A23L1/09 A23L1/09 A23L1/10 A23L1/10 A23L1/308 A23L1/308 A61P3/06

CPC: A23L7/115 A23L29/35 A23L33/21 A23L33/24 A21D10/00 A21D2/186 A21D2/36 A23V2002/00 A21D13/80 F25C5/182 F25C5/005

European class: A21D10/00 A21D13/08 A21D2/18E A21D2/36 A23L1/09D A23L1/10E A23L1/308 A23L1/308B F25C5/00B2 K23V2/00

US class: 222/146.6 222/146.600S 222/413 222/413S 426/549 426/549P 62/340 62/344 62/344P 62/353 62/377 62/380 62/380S 62/420 62/425 62/441 62/441S 62/66 62/660

Classification Explorer

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Forward Citations: WO14028491, WO11092112, WO08054161, USD727377, US9683771, US9677800, US9541327, US9523528, US9494357, US9423166, US9377233, US9239181, US9200828, US9175893, US9134060, US9127871, US8997517, US8925342, US8919146, US8899064, US8863985, US8794023, US8720221, US8667808, US8627679, US8556321, US8464549, US8371136, US8074464, US7984622, US7921666, US7913509, US7895859, US7770408, US7665316, US7614244, US2014260407, US2014202197, US2014202193, US2014007608, US2013327082, US2013327081, US2013305771, US2013105611, US2013055741, US2012324913, US2012318004, US2012210743, US2012186276, US2012085120, US2012024002, US2012024001, US2012023999, US2012023998, US2012006846, US2011252816, US2011226815, US2011197620, US2011167860, US2011138841, US2011023520, US2010326096, US2010269533, US2010242526, US2010218514, US2010199701, US2010186437, US2010115985, US2010050680, US2010050663, US2009249820, US2009193832, US2009145158, US2009095009, US2008156823, US2008148761, US2007089441, JP5744808, JP2013061146, EP2778571, EP2679939, EP2674702, EP2674702, EP2570755, EP2570755, EP2568235, EP2568235, DE202010003958, CN105705889, CN104780784, CN102997536, CN102741629, CN102741629, CN102345955, CN101857646, AU2011343814,

Abstract:
Source: US2006086127A An dispensing system suitable for lifting and dispensing ice through the refrigerator compartment door of a bottom−mount refrigerator or lifting and dispensing ice from an undercounter ice maker to a dispenser on the countertop.

0) US2009260282A – PLANT CULTIVATING UNIT AND PLANT CULTIVATING CO...

7) Family number: 34545796 (US2009260282A) © PatBase

Title: PLANT CULTIVATING UNIT AND PLANT CULTIVATING CONTAINER

Priority: EP20060833444 20061128 JP20050345984 20051130 WO2006JP23640 20061128 WO2006JP323640 20061128

Family:

Publication number	Publication date	Application number	Application date
CN1973606 A	20070606	CN200610161120	20061130
CN1973606 B	20130807	CN200610161120	20061130
EP1955586 A1	20080813	EP20060833444	20061128
EP1955586 A4	20140115	EP20060833444	20061128
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EP2845464 A3	20150429	EP20140182847	20061128
IN03361CN2008 A	20090306	IN2008CN03361	20080630
JP2007063815 A1	20090507	JP20070547931T	20061128
KR101342475 B1	20131217	KR20087014348	20061128
KR20080083280 A	20080917	KR20087014348	20061128
TW200735767 A	20071001	TW20060144040	20061128
TW200917955 A	20090501	TW20080138724	20061128
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US2009260282 AA	20091022	US20060095106	20061128
US8555547 BB	20131015	US20060095106	20061128
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Probable Assignee: SUNTORY HOLDINGS LTD

Assignee(s):(std)**:** HASHIMOTO MASAKI ; MIYAGAWA KATSURO ; SAITO MASAYUKI ; SAITOH MASAYUKI ; SUNTORY LTD ; SUNTORY HOLDINGS LTD

Assignee(s): SUNTORY LIMITED ; SUNTORY HOLDINGS LIMITED

Inventor(s):(std)**:** HASHIMOTO MASAKI ; MASAYUKI HASHIMOTO MASAKI MIYA ; MIYAGAWA KATSURO ; SAITO MASAYUKI ; SAITOH MASAYUKI

Inventor(s): HASHIMOTO MASAKI MIYAGAWA KATSURO SAITOH MASAYUKI

Agent(s): VOSSIUS AND PARTNER; VOSSIUS AND PARTNER PATENTANWAELTE RECHTSANWAELTE MBB; KITAMURA SHUICHIRO; DRINKER BIDDLE AND REATH (DC); DRINKER BIDDLE AND REATH; DRINKER BIDDLE AND REATH LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01G1/00 A01G13/02 A01G27/00 A01G27/02 A01G31/02 A01G9/00 A01G9/02 A01G9/04 (Advanced/Invention); A01G13/02 A01G27/00 A01G9/02 A01G9/04 (Core/Invention)

International class (IPC 1–7): A01G9/02

CPC: A01G1/007 A01G9/045 A01G27/00 A01G9/022 A01G31/02 Y02B80/32 Y02P60/216 A01G27/02

European class: A01G27/00 A01G9/04C

US class: 47/20.1 47/20.100P 47/48.5 47/66.1 47/66.100S 47/66.5 47/66.500S 47/67 47/67S 47/79 47/79S 47/82 47/82S

Classification Explorer

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Forward Citations: WO13107013, WO12077838, WO11065557, USD769678, USD675956, USD640163, US9655304, US9648811, US9591815, US9578818, US9351448, US9226457, US9113606, US9027279, US8950110, US8910418, US8429852, US8281517, US8235863, US2016235024, US2016165821, US2016057950, US2015040471, US2014101999, US2012297677, US2012137580, US2012036773, US2011192084, US2011107667, US2010162623, KR101418842, KR101394379, KR101260740, KR100937391, JP2012010671, JP2011115049, JP2010101156, JP2010088402, ES2607127, CN103947476, CN103371071, CN103371071, CN103120115, CN102771373, CN102150577,

Abstract:
Source: US2009260282A An object of the present invention is to provide a plant cultivating unit that can perform a watering operation in a simple manner and can supply water uniformly to plants in locations where a floor surface is sloped, such as the rooftop of a building, without requiring separate water supply piping work. A plant cultivating unit (1) comprises a water storage tray (2) in which water can be stored and in which receivers (3) for housing the roots of plants can be arranged in an interior thereof, a water storage space (8) in the water storage tray (2) and the receivers (3) being communicated via water feeders (7), and the water stored in the water storage space (8) being able to be supplied to the plants via the water feeders (7). The water storage tray (2) is provided with connectors (6) capable of communicably connecting adjacent water storage trays (2) to each other, the connectors (6) being configured from an inflow connector (6a) and an outflow connector (6b), the water flowing in through the inflow connector (6a) to the water storage space (8), and the water being able to flow out through the outflow connector (6b) by an overflow when a specific amount of water is stored in the water storage space (8).

0) US2006260333A – INSULATED ICE COMPARTMENT FOR BOTTOM MOUNT REFR...

8) Family number: 33812355 (US2006260333A)

© PatBase

Title: INSULATED ICE COMPARTMENT FOR BOTTOM MOUNT REFRIGERATOR

Priority:

CA20062542087	20060406	CA20062544815	20060424	US20060329569	20060111
US20060331870	20060113	US20050139237	20050527	US20050131701	20050518
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** ANELL THOMAS C ; COULTER TIM L ; FU XIAOYONG ; GOSE THOMAS E ; HERNDON STEVEN G ; JENKINS JAMES H JR ; MAYTAG CORP ; MARTIN DEAN A ; KRAMER BRENT A ; LEIMKUEHLER SCOTT W ; KOONS BILL J ; MILLER ALVIN V ; OLIVEIRA MAURO M ; NOEL KEVIN L ; OTT LESTER J ; NOEL KEVIN LEE ; JENKINS JR JAMES H ; WHIRLPOOL CO ; WELCH ALAN M ; PAULSEN RON S ; VAN METER KYLE B ; STAUFFER DAVID A ; ROTTER CHAD J ; WETEKAMP ROBERT L ; STAUFFER DAVID ALLEN

Assignee(s): WHIRPOOL CORP ; WHIRLPOOL CORP

Inventor(s):(std)**:** ANELL THOMAS C ; ANELL THOMAS CARL ; BERARDI GREG ; ANDERSON TROY M ; COULTER TIM L ; FERRAGUT II NELSON J ; FERRAGUT NELSON J ; FERRAGUT NELSON J II ; FRANKEN CARL J ; FU XIA YONG ; FU XIAOYONG ; GOSE THOMAS E ; HERNDON STEVEN G ; JENKINS JAMES H ; JENKINS JAMES H JR ; JENKINS JR JAMES H ; KOONS BILL J ; KOPPENHAVER BRENT A ; KRAMER BRENT A ; LEIMKUEHLER SCOTT W ; MARTIN DEAN A ; MILLER ALVIN V ; NOEL KEVIN L ; COULTER TIM LEE ; NOEL KEVIN LEE ; NURRE JOSEPH M ; OLIVEIRA MAURO M ; OLIVERIA MAURO M ; OTT LESTER J ; PAULSEN RON S ; ROTTER CHAD J ; ROUSH DOUG M ; SCHUCHART RYAN D ; SILBAUGH ERIC K ; STAUFFER DAVID A ; STAUFFER DAVID ALLEN ; TARRANT ALAN G ; TUNZI SCOTT T ; TUNZI SCOTT TIMOTHY ; TUNZI TODD J ; VAN METER KYLE B ; WELCH ALAN M ; WETEKAMP ROBERT L

Inventor(s): ANDERSON TROY ; WETEKAMP ROBERT ; WELCH ALAN ; VAN METER KYLE ; TUNZI TODD ; TUNZI SCOTT ; TARRANT ALAN ; STAUFFER DAVID ; SILBAUGH ERIC ; SCHUCHART RYAN ; ROUSH DOUG ; ROTTER CHAD ; PAULSEN RON ; OTT LESTER ; OLIVEIRA MAURO ; NURRE JOSEPH ; NOEL KEVIN ; MILLER ALVIN ; MARTIN DEAN ; LEIMKUEHLER SCOTT ; KRAMER BRENT ; KOPPENHAVER BRENT ; KOONS BILL ; JENKINS JAMES HJR ; JENKINS JAMES ; HERNDON STEVEN ; GOSE THOMAS ; FERRAGUT NELSON JII ; FRANKEN CARL ; FERRAGUT NELSON ; ANELL THOMAS ; COULTER TIM

Agent(s): FINLAYSON AND SINGLEHURST; MCKEE VOORHEES AND SEASE PLC ATTN MAYTAG; WHIRLPOOL PATENTS CO MD 0750; WHIRLPOOL PATENTS CO; KIRK; MICHAEL D; KIRK W; GOODWIN KIRK; LAFRENZ MICHAEL D; MCKEE VOORHEES AND SEASE PLC; MCKEE WOORHEES AND SEASE PLC; MCKEE VOORHEES AND SEASE; MCKEE VORHEES AND SEASE PLC; JOHN W; NYEMASTER GOODE PC

International class (IPC 8–9): A47B81/00 A47B96/04 B21K21/00 B23P15/26 B67D5/62 B67D7/80 E03B7/12 F16K1/00 F25B1/00 F25B21/02 F25B49/00 F25B49/02 F25C1/00 F25C1/04 F25C1/12 F25C1/22 F25C1/24 F25C5/00 F25C5/18 F25D11/00 F25D11/02 F25D13/02 F25D13/04 F25D17/02 F25D17/04 F25D17/06 F25D17/08 F25D19/00 F25D21/06 F25D21/08 F25D23/00 F25D23/02 F25D23/06 F25D23/12 F25D29/00 F25D3/00 F25D3/02 F25D31/00 G05B15/00 G07F11/00 (Advanced/Invention);
F25B21/02 F25C5/00 F25D17/04 F25D27/00 (Advanced/Non–invention);
B21K21/00 B67D7/80 F25B1/00 F25B49/00 F25C1/00 F25C1/04 F25C1/12 F25C1/22 F25C5/00 F25D11/00 F25D11/02 F25D13/00 F25D17/04 F25D17/06 F25D17/08 F25D21/06 F25D23/00 F25D23/02 F25D23/12 G05B15/00 G07F11/00 (Core/Invention)

CPC:

F25B2600/0251 F25D2400/04 Y02B30/743 Y10T137/1189 Y10T29/49359 F25C5/185 F25D23/025 Y10S292/37 Y10S292/71 B23P15/26 F25C1/00 F25D23/00 F25D23/064 F25C5/007 F25C1/04 F25D31/00 F25D23/061 F25D23/063 F25D23/066 F25D23/12 F25D2201/10 F25D2317/067 F25D23/04 F25D23/126 F16K19/00 F25D21/04 F25D2323/122 F25B2600/112 F25C5/187 F25D2317/061 F25D2317/0666 F25D2317/0682 F25D2323/021 F25D2400/02 F25D2700/02 F25D2700/12 F25D2700/121 F25D2700/122 F25D2700/14 F25D29/00 F25D17/045 F25D11/02 F25D27/00 F25D17/065 F25B21/02 F25C5/005

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US class: 1/1 137/59 137/59S 138/27 211/74 220/592.02 220/592.020P 221/150.00RS 221/150R 251/318 251/318S 29/890.035 29/890.035S 292/DIG.37 292/DIG.71 312/401 312/404 312/404S 312/405.1 312/406.1 312/408 312/408S 49/501 62/129 62/132 62/132P 62/135 62/135P 62/137 62/151 62/151P 62/157 62/186 62/187 62/187P 62/187S 62/190 62/208 62/228.1 62/228.100P 62/228.2 62/228.200S 62/233 62/275 62/275S 62/276 62/276S 62/337 62/337S 62/338 62/339 62/340 62/340P 62/340S 62/344 62/344P 62/344S 62/347 62/348 62/348P 62/349 62/353 62/389 62/389S 62/401 62/401S 62/407 62/407P 62/407S 62/408 62/408S 62/419 62/419S 62/420 62/420S 62/424 62/425 62/426 62/440 62/440P 62/440S 62/441 62/441S 62/449 62/449S 62/457.4 62/56 62/56 62/66 62/74 62/89 62/98 62/98P 623/440 700/275 700/275P D15/89 D15/89

Locarno class: 15/07

Classification Explorer

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Abstract:
Source: US2006260333A A refrigerator includes a refrigerator cabinet, a fresh food compartment disposed within the cabinet, a freezer compartment disposed within the cabinet, an ice compartment disposed within the cabinet, and an electronic control system associated with the refrigerator and adapted to monitor and control the fresh food compartment, the freezer compartment and the ice compartment. The control system provides for energy efficient control and operation through various means, including by monitoring state of an ice maker associated with the ice compartment and controlling temperature within compartments of the refrigerator based on the ice maker state. The control system can also use correlations in determining appropriate temperatures for different compartments within the refrigerator.

0) US2006086135A – WATER SPILLAGE MANAGEMENT FOR IN THE DOOR ICE M...

9) Family number: 32865720 (US2006086135A) © PatBase

Title: WATER SPILLAGE MANAGEMENT FOR IN THE DOOR ICE MAKER

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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** CHASE KEVIN M ; FISCHER MARCUS R ; LEWIS MARTIN D ; OLSSON SHAWN F ; PASTRYK JIM J ; VISIN JEROLD M ; WHIRLPOOL CO ; WU GUOLIAN ; WILCOX MICHELE E ; VISIN JERRY M

Assignee(s): WHIRLPOOL CORP ; WHIRPOOL CORP

Inventor(s):(std)**:** FISCHER MARCUS R ; FISHER MARCUS R ; LEWIS MARTIN D ; CHASE KEVIN M ; OLSSON SCHAWN F ; OLSSON SHAWN F ; PASTRYK JIM J ; VISIN JEROL MICHAEL ; VISIN JEROLD M ; VISIN JEROLD MICHAEL ; VISIN JERRY M ; VISIN JERRY M LEWIS MARTIN D C ; WILCOX MICHELE E ; WU GUOLIAN

Inventor(s): CHASE KEVIN ; VISIN JERRY M LEWIS MARTIN D CHASE KEVIN M PASTRYK ; WILCOX MICHELE ; VISIN JERRY ; VISIN JEROLD ; SHAWN F OLSSON ; PASTRYK JIM ; OLSSON SHAWN ; FISCHER MARCUS ; MARCUS R FISCHER ; MARKUS R FISCHER ; MARTIN D LEWIS ; MICHELE E WILCOX ; GUOLIAN WU ; JEROLD MICHAEL VISIN ; JERRY M VISIN ; JIM J PASTRYK ; KEVIN M CHASE ; LEWIS MARTIN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GUERCI ALESSANDRO; WHIRLPOOL PATENTS COMPANY – MD 0750; WHIRLPOOL PATENTS CO MD 0750; GOODWIN KIRK; LAFRENZ MICHAEL D; KIRK; MICHAEL D; KIRK W; ROBERT L; JOHN W

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL PL PT RO RS SE SI SK TR YU

International class (IPC 8–9): A47B96/04 B65D43/14 F25C1/00 F25C1/04 F25C1/10 F25C1/22 F25C1/24 F25C5/02 F25C5/08 F25C5/16 F25C5/18 F25D11/00 F25D11/02 F25D13/04 F25D19/00 F25D19/02 F25D21/00 F25D21/08 F25D23/02 F25D23/12 F25D3/02 (Advanced/Invention); F25C1/04 F25C5/08 (Advanced/Non–invention); F25C1/00 F25C1/04 F25C1/10 F25C1/22 F25C5/00 F25D13/00 F25D21/00 F25D21/08 F25D23/02 (Core/Invention); F25C1/04 (Core/Non–invention)

International class (IPC 1–7): F25C5/00 F25D11/00

CPC: F25C1/04 F25C1/10 F25C1/24 F25C5/08 F25C2305/022 F25C2400/02 F25C2400/10 F25C2500/06 F25D11/02 F25D23/028 F25D23/04 F25D23/12 F25D2317/062 F25D2317/0666 F25D2323/021

European class: F25C1/04 F25C1/10 F25C1/24 F25D11/02 F25D23/12 R25C1/04 R25C305/022 R25C400/02 R25C400/10 R25C5/08 R25C500/06 R25D23/02E R25D23/04 R25D317/062 R25D317/0666 R25D323/021

US class: 220/833 312/405 62/135 62/135S 62/150 62/150S 62/340 62/340P 62/340S 62/344 62/344S 62/345 62/345S 62/351 62/351P 62/351S 62/353 62/441 62/441S 62/448 62/449 62/449S 62/459 62/66 62/71 62/71P 62/73 62/73P 62/74 62/80 62/80S

Classification Explorer

Cited documents: US861569, US861203, US7263854 BB, US7076967 BB, US7017364 BB, US6216471 BA, US6148624 A, US6082130 A, US5702168 A, US5425248 A, US5400605 A, US5196127 A, US5188744 A, US4967995 A, US4838026 A, US4649718 A, US4649717 A, US4432529 A, US4306423 A, US4233819 A, US4142377 A, US3964269 A, US3962886 A, US3871242 A, US3779032 A, US3776504 A, US3763662 A, US3727428 A, US3677030 A, US3648476 A, US3383876 A, US3382682 A, US3362181 A, US3359747 A, US3299656 A, US3276225 A, US3146601 A, US2900803 A, US2503693 A, US2010043456 AA, US2006117786 AA, US2006086135 AA, US2004237563 AA, US20040162, US20040111, US20020155, JP9177858 A2, JP6011228 A2, JP60069469 A2, JP57083381 U1, JP57083381 U, JP5296623 A2, JP5141826 A2, JP5099545 A2, JP49060357 U1, JP49060357 U, JP49054150 U1, JP49054150 U, JP2003279210 A2, GB2305455 A1, EP1482263 A2, EP1482261 A2,

Forward Citations: WO16164165, WO16077407, WO08020723, WO07141170, WO07141170, US9719711, US9709312, US9689600, US9683771, US9587871, US9518772, US9518771, US9513045, US9500401, US9470446, US9448003, US9322591, US9316425, US9273890, US9267731, US9234689, US9212846, US9109829, US9109826, US9097454, US9032744, US9021828, US9004325, US8991205, US8978406, US8973391, US8919145, US8820110, US8800316, US8794025, US8776544, US8770682, US8769981, US8756951, US8720221, US8627679, US8613205, US8596084, US8584474, US8578721, US8573719, US8555664, US8534087, US8511106, US8505326, US8484987, US8443620, US8408016, US8371136, US8371133, US8359874, US8281611, US8256234, US8240159, US8176746, US8074464, US8042353, US8037697, US7942017, US7934389, US7913510, US7908882, US7905466, US7900470, US7895843, US7832227, US7823755, US7765828, US7614244, US7594413, US2017003061, US2015135757, US2014238053, US2014216097, US2014216095, US2014196479, US2014123687, US2014020422, US2013014535, US2013000345, US2012324917, US2012324915, US2012318003, US2012159977, US2012042681, US2012036872, US2012023996, US2011259037, US2011239686, US2011203305, US2011162406, US2011162392, US2011146327, US2011146312, US2011120153, US2011030411, US2011000248, US2010326118, US2010326112, US2010292846, US2010275635, US2010229590, US2010218542, US2010218540, US2010218535, US2010218526, US2010218520, US2010218518, US2010186437, US2010154458, US2010147005, US2010122543, US2010050680, US2010050663, US2010037632, US2010031688, US2010018230, US2010018226, US2009260370, US2009255291, US2009249822, US2009187280, US2009178429,

US2009173089, US2009145156, US2009044559, US2009026349, US2009020681, US2008295537, US2008155998, US2008148761, US2008104977, US2008072610, US2008053133, US2008053132, US2008041089, US2008001058, US2007074527, US2006260348, RU2503898, RU2502926, KR20110048886, KR20110045386, KR20110045385, KR20110003655, KR20100138108, KR101659007, KR101659006, KR101650303, KR101649631, KR101622595, KR101601653, KR101410754, KR101320820, JP5634358, JP2013061086, EP2792975, EP2730864, EP2706314, EP2660541, EP2606293, EP2580545, EP2369271, EP2339273, EP2096384, EP2096384, EP2057431, EP2054680, EP2054680, EP2052196, EP2000759, EP2000759, EP1865276, EP1857751, EP1857751, CN104864649, CN104315791, CN103438652, CN101982717, CN101936637, CN101929777, CN101929777,

Abstract:
Source: US2006086135A A refrigerator freezer having an ice maker positioned on a refrigerator compartment or freezer compartment door. The ice maker is arranged to prevent or manage spills from the ice maker in the event the door on which the ice maker is mounted is opened or closed when unfrozen water is present in the ice maker. Spill management embodiments for a number of fixed and movable tray ice makers are disclosed.

0) US2006043853A – REFRIGERATOR AND OPENING/CLOSING APPARATUS OF T...

10) Family number: 33631515 (US2006043853A) © PatBase

Title: REFRIGERATOR AND OPENING/CLOSING APPARATUS OF THE SAME

Priority: CA20052515988 20050812 CA20052607853 20050812 EP20050291751 20050818 KR20040067498 20040826

Family:

Publication number	Publication date	Application number	Application date
CA2515988 AA	20060226	CA20052515988	20050812
CA2607853 AA	20060226	CA20052607853	20050812
CN100554834 C	20091028	CN200510096573	20050825
CN1740713 A	20060301	CN200510096573	20050825
DE602005016757 D1	20091105	DE200560016757T	20050818
EP1630502 A2	20060301	EP20050291751	20050818
EP1630502 A3	20060517	EP20050291751	20050818
EP1630502 B1	20090923	EP20050291751	20050818
EP1813895 A2	20070801	EP20070009983	20050818
JP2006064369 A2	20060309	JP20050243935	20050825
KR100626459 B1	20060920	KR20040067498	20040826
KR20060019047 A	20060303	KR20040067498	20040826
US2006043853 AA	20060302	US20050206872	20050819
US8277004 BB	20121002	US20050206872	20050819

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** CHUNG SUNG H ; CHUNG SUNG HOON ; LG ELECTRONICS INC

Inventor(s):(std)**:** CHUNG SUNG HOON ; HOON CHUNG SUNG ; CHUNG SUNG H

Inventor(s): CHUNG SUNG

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; BENTZ JEAN PAUL; GREENBLUM AND BERNSTEIN PLC; MCKENNA LONG AND ALDRIDGE LLP

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

International class (IPC 8–9): A47B95/02 A47B96/04 F25D11/00 F25D23/00 F25D23/02 F25D23/04 F25D23/06 F25D23/10 F25D25/00 F25D25/02 F25D29/00 (Advanced/Invention); F25D23/00 F25D23/02 F25D25/00 (Advanced/Non–invention); A47B96/00 F25D11/00 F25D23/00 F25D23/02 F25D23/04 F25D23/06 F25D23/10 F25D25/00 F25D25/02 F25D29/00 (Core/Invention)

CPC: E05Y2800/71 F25D23/10 E05Y2900/31 F25D23/062 F25D29/00 F25D2323/023 F25D2323/024 F25D2400/06 F25D25/00 F25D23/00 F25D23/02

European class: F25D23/06B F25D23/10 F25D29/00 P05Y900/310 R25D323/023 R25D323/024 R25D400/06

US class: 312/319.7 312/405 312/405P

Classification Explorer

Cited documents: US6925836 BB, US6533375 BB, US4984854 A, US4436352 A, US4358171 A, US2895781 A, US2780926 A, US2614020 A, US2506448 A, US2497734 A, US2456429 A, US2421439 A, US2064926 A, US2040634 A, US2005120738 AA, US2004232810 AA, US2003122459 AA, US2003074911 AA, KR20060019047 A, KR10200467498, JP6046284 U1, JP5296647 A2, JP4113887 U1, JP4078493 U1, JP4078493 A2, JP4011388 U1, JP4011388 A2, JP2136686 A2, JP2002267352 A2, CN2279568 Y, CN1465946 A,

Forward Citations: US9074810, US7992951, US2013257255, US2012181910, US2012073321, US2006232176, JP2006064369, EP2682697, EP2682693, EP2422148, EP1630502, CN102734997, CN102734997,

Abstract:
Source: US2006043853A A refrigerator includes an opening/closing apparatus. In the refrigerator and opening/closing apparatus, an extendible cabinet with shelves is accommodated in a storing compartment. Therefore, food or other items can be loaded in the cabinet and taken out from the cabinet more easily.

0) US5707518A – REFRIGERATOR WATER FILTER

11) Family number: 11588976 (US5707518A) © PatBase

Title: Refrigerator water filter

Priority: EP19970903008 19970115 EP20020026289 19970115 US19980006062 19980112 US19960587635 19960117 WO1997US00842 19970115 US19960739256 19961030

Family:

Publication number	Publication date	Application number	Application date
AU199717043 A1	19970811	AU19970017043	19970115
AU724118 B2	20000914	AU19970017043	19970115
DE69720193 D1	20030430	DE19976020193	19970115
DE69720193 T2	20031023	DE19976020193T	19970115
DE69736497 D1	20060921	DE19976036497	19970115
DE69736497 T2	20070222	DE19976036497T	19970115
DE69737983 D1	20070913	DE19976037983	19970115
DE69737983 T2	20080417	DE19976037983T	19970115
DE69738438 D1	20080214	DE19976038438	19970115
DE69738438 T2	20080703	DE19976038438T	19970115
EP0881928 A1	19981209	EP19970903008	19970115
EP0881928 B1	20030326	EP19970903008	19970115
EP1288599 A2	20030305	EP20020026289	19970115
EP1288599 A3	20030312	EP20020026289	19970115
EP1288599 B1	20060809	EP20020026289	19970115
EP1605218 A1	20051214	EP20050011891	19970115
EP1605218 B1	20070801	EP20050011891	19970115
EP1645824 A2	20060412	EP20050025503	19970115
EP1645824 A3	20060419	EP20050025503	19970115
EP1645824 B1	20080102	EP20050025503	19970115
ES2196300 T3	20031216	ES19970903008T	19970115
ES2271176 T3	20070416	ES20020026289T	19970115
ES2290820 T3	20080216	ES20050011891T	19970115
ES2299943 T3	20080601	ES20050025503T	19970115
NZ330927 A	19990528	NZ19970330927	19970115
US5707518 A	19980113	US19960587635	19960117
US5715699 A	19980210	US19960739256	19961030
US5907958 A	19990601	US19980006062	19980112
WO9726066 A1	19970724	WO1997US00842	19970115

Probable Assignee: WHITE CONSOLIDATED IND INC

Assignee(s):(std)**:** ELECTROLUX HOME PROD INC ; ELECTROLUX HOME PRODUCTS INC ; WHITE CONS IND INC ; WHITE CONSOLIDATED IND INC

Assignee(s): WHITE CONSOLIDATED INDUSTRIES INC ; WHITE CONSOLIDATED IND

Inventor(s):(std)**:** COATES A ; COATES DONALD A ; GUNDERSON L ; GUNDERSON RICKIE L ; MORRIS E ; MORRIS KENNETH E ; RUSSELL C ; RUSSELL ROBERT C ; SPARKS E ; SPARKS WALTON E

Inventor(s): WALTON E SPARKS ; RICKIE L GUNDERSON ; ROBERT C RUSSELL ; KENNETH E MORRIS ; DONALD A COATES

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BAUMGARTL GERHARD WILLI

Designated states: AT AU BE BR CA CH CN DE DK ES FI FR GB GR IE IT JP KR LU MC MX NL NZ PT SE SG

International class (IPC 8–9):	B01D27/00 B01D27/08 B01D29/15 B01D35/153 C02F9/00 F25D23/06 F25D23/12 (Advanced/Invention); B01D29/15 (Advanced/Non–invention); B01D27/00 B01D27/08 B01D35/14 C02F9/00 F25D23/12 (Core/Invention); B01D29/13 (Core/Non–invention)
International class (IPC 1–7):	B01D27/00 B01D27/00 B01D27/08 B01D27/08 B01D35/153 B01D35/30 F25D23/12
CPC:	B01D29/15 B01D35/153 B01D2201/301 F25D23/126 F25D2323/121 F25D2400/06
European class:	B01D35/153 B01D35/30 C02F9/00H4 F25D23/12B L01D201/30C L01D29/15 R25D323/121 R25D400/06
US class:	210/232 210/238 210/416.3 210/443 210/444 210/455 210/497.01 222/183 62/338 62/339 62/340 62/389 62/67
Classification Explorer	
Cited documents:	US5715699 A, US5707518 A, US5502978 A, US5490547 A, US5454944 A, US5445734 A, US5336406 A, US5320752 A, US5290442 A, US5269154 A, US5200067 A, US5171430 A, US5143575 A, US5135645 A, US5133858 A, US5122272 A, US5083442 A, US5049269 A, US5013434 A, US4946599 A, US4915831 A, US4866250 A, US4859320 A, US4839037 A, US4830223 A, US4815497 A, US4808302 A, US4764275 A, US4615799 A, US4580542 A, US4571953 A, US4561979 A, US4556484 A, US4529866 A, US4502956 A, US4172798 A, US4019570 A, US4009572 A, US3982406 A, US3367127 A, US3146606 A, US3122501 A, US2622738 A, US2567062 A, US2229850 A, JP5149663 A2, JP3230069 A2, EP0779485 A2,
Forward Citations:	WO9817371, WO15106221, WO09051757, WO08122482, WO08122482, WO08058643, WO08035201, WO08027083, WO08006690, WO07062915, WO07062898, WO05045335, WO05045335, WO05030658, WO05030656, WO03008883, WO0020093, USRE43409, USD547417, USD545394, USD508502, USD501912, USD494654, USD492753, USD431577, USD418845, US9713781, US9682335, US9651296, US9487414, US9409108, US9409106, US9359224, US9327216, US9320993, US9314716, US9216914, US9170040, US9157677, US9115920, US9046299, US8911041, US8893927, US8887923, US8850843, US8850842, US8850841, US8844307, US8833100, US8707728, US8656728, US8601830, US8584483, US8556127, US8511107, US8496823, US8438871, US8413844, US8354024, US8256625, US8146379, US8119012, US8104305, US8020403, US8017009, US7922008, US7878022, US7850859, US7823407, US7762098, US7749394, US7740766, US7740765, US7708148, US7703298, US7677055, US7673472, US7673470, US7658212, US7654105, US7637119, US7631514, US7624591, US7615152, US7610932, US7552597, US7543711, US7520139, US7520138, US7491327, US7490475, US7490474, US7484382, US7442301, US7430873, US7428820, US7392665, US7340915, US7261815, US7228701, US7216502, US7188486, US7083725, US7081201, US7056435, US7043150, US7000894, US6973803, US6964739, US6866806, US6835304, US6810682, US6741236, US6613236, US6532758, US6475379, US6460367, US6458257, US6432233, US6375834, US6355177, US6337015, US6325929, US6303031, US6276146, US6235194, US6207046, US6139739, US6120685, US6019447, US5907958, US5813245, US2016025406, US2015290569, US2014041409, US2012304679, US2012096892, US2011232500, US2011232316, US2011197620, US2011197619, US2011155661, US2011120172, US2011042298, US2010212349, US2010199702, US2010170284, US2010133297, US2010126210, US2010064896, US2009288439, US2009282857, US2009230061, US2009230050, US2009218292, US2009165493, US2009151367, US2009025826, US2008258597, US2008224587, US2008223070, US2008223068, US2008218048, US2008216509, US2008216506, US2008216505, US2008211368, US2008203877, US2008202144, US2008156015, US2008142431, US2008134711, US2008134707, US2008047889, US2007278148, US2007186576, US2007119773, US2007080102, US2007012611, US2006219622, US2006218961, US2006124532, US2006113237, US2006086133, US2006049096, US2006032249, US2006021919, US2006006107, US2005247620, US2005229623, US2005178273, US2005173323, US2005161394, US2005133463, US2005103721, US2005036772, US2004211209, US2004206682, US2004129624, US2004129617, US2004094468, US2003222010, US2003042192, US2003024259, US2002189983, RU2507457, GB2426570, GB2426570, GB2426569, GB2426569, GB2426568, GB2426568, GB2416024, EP2730545, EP1939560, EP1923353, EP1775538, EP1775538, EP1635927, EP1121187, DE112006002400, AU748325, AU747874, AU747874, AU739655, AU2006200672, AU2002319629, AU2002319629,

Abstract:
Source: US5707518A A water filter assembly mounted to an inner surface of a refrigerator and accessible from within a refrigeration compartment of the refrigerator. The filter assembly includes a first housing part, a second housing part, and a replaceable filter cartridge. The first and second housing parts cooperate to define a

fluid–tight chamber for receipt of the filter cartridge. The first housing part includes an inlet port through which unfiltered water may be introduced into the chamber and an outlet port through which filtered water may exit the chamber. The second housing part surrounds a portion of the first housing part and provides a volume sufficient to hold the filter cartridge and any water within the chamber when the second housing part is released from the first housing part to replace the filter cartridge, and thereby prevents or minimizes spillage of water from the filter assembly during filter cartridge replacement. A shield member is disposed within the refrigeration compartment and cooperates with a cabinet wall to define a filter compartment which surrounds the filter assembly. A heater disposed within the filter compartment adjacent the filter assembly and is operable to heat the filter assembly to prevent freezing of water contained therein.

0) US2013031798A – DRYING APPARATUS AND WASHING MACHINE HAVING THE...

12) Family number: 52994031 (US2013031798A) © PatBase

Title: DRYING APPARATUS AND WASHING MACHINE HAVING THE SAME AND CONTROL METHOD THEREOF

Priority: KR20110076635 20110801 KR20110117506 20111111

Family:

Publication number	Publication date	Application number	Application date
CN202830575 U	20130327	CN201220379615U	20120801
EP2554740 A2	20130206	EP20120177652	20120724
EP2554740 A3	20130731	EP20120177652	20120724
KR20130018466 A	20130225	KR20110117506	20111111
US2013031798 AA	20130207	US20120561764	20120730
US9657432 BB	20170523	US20120561764	20120730
WO13019054 A1	20130207	WO2012KR06077	20120731

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

Assignee(s):(std)**:** BAE SEOK KEUN ; CHANG PHIL SOO ; KANG MIN HEE ; OAK SEONG MIN ; SAMSUNG ELECTRONICS CO LTD ; SEOK HYE JOON

Assignee(s): SAMSUNG ELECTRONICS CO

Inventor(s):(std)**:** BAE SEOK KEUN ; CHANG PHIL SOO ; KANG MIN HEE ; OAK SEONG MIN ; SEOK HYE JOON

Agent(s): GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER; STAAS AND HALSEY LLP; SELIM INTELLECTUAL PROPERTY LAW FIRM

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): D06F25/00 D06F37/04 D06F39/08 D06F58/10 D06F58/24 D06F58/28 F26B21/06 F26B7/00 (Advanced/Invention)

CPC: D06F25/00 D06F33/02 D06F37/04 D06F37/22 D06F39/08 D06F39/088 D06F58/24 D06F58/28 D06F2058/2861 D06F2204/086

US class: 34/443 34/468 34/469 34/73

Classification Explorer

Cited documents: US2011041562 AA, US2010139111 AA, US2009211309 AA, US2007101602 AA, US2006179896 AA, US2006096114 AA, US2006090524 AA, US2004000174 AA, KR20060322327 A, KR20060082894 A, KR20060032327 A, KR20060004369 A, KR20050099182 A, KR20050054701 A, KR20030084067 A, KR10200600322327, GB2181220 A1, EP2196126 A1, EP2108730 A1, EP1852539 A1, EP1612318 A2, DE3920737 A1,

DE102008008805 A1

Forward Citations: US9518353, US9297493, US2015176195, US2015176168, KR20150074597, KR101586371, EP2891743, EP2889427, CN104727113, CN104727113, CN104727061,

Abstract:
Source: US2013031798A A drying apparatus having a structure capable of improving condensation efficiency, and a washing machine having the same. The washing machine including a cabinet, a tub installed inside the cabinet, a drum rotatably installed inside the tub, a condenser duct configured to condense moisture in air introduced from the inside the drum, a drying duct configured to heat the air introduced from the condenser duct and supply the heated air to the inside the drum, and a condensation water storage unit formed at a circumference of the condenser duct to store condensation water that is used to condense the moisture in the air moving inside the condenser duct.

0) US2005061016A – REFRIGERATOR WITH ICEMAKER

13) Family number: 31764158 (US2005061016A) © PatBase

Title: REFRIGERATOR WITH ICEMAKER

Priority: KR20030065163 20030919 US20040769814 20040203 US20060402818 20060413 US20080104268 20080416 US20080133978 20080605 US20100766119 20100423 US20070739291 20070424 US20110009910 20110120 US20110009905 20110120 US20110009913 20110120 US20110009924 20110120

Family:

Publication number	Publication date	Application number	Application date
CN1314933 C	20070509	CN200410002561	20040130
CN1598451 A	20050323	CN200410002561	20040130
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EP1517102 A3	20050803	EP20040250518	20040130
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JP4499437 B2	20100707	JP20040020063	20040128
KR100565622 B1	20060330	KR20030065163	20030919
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US2005061016 AA	20050324	US20040769814	20040203
US2006179869 AA	20060817	US20060402818	20060413
US2007186576 AA	20070816	US20070739291	20070424
US2008209938 AA	20080904	US20080104268	20080416
US2008236188 AA	20081002	US20080133978	20080605
US2010199702 AA	20100812	US20100766119	20100423
US2011107785 AA	20110512	US20110009905	20110120
US2011113811 AA	20110519	US20110009910	20110120
US2011113812 AA	20110519	US20110009913	20110120
US2011113813 AA	20110519	US20110009924	20110120
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US7703298 BB	20100427	US20080104268	20080416
US7703298 C1	20140821	US20080104268	20080416
US8601830 BB	20131210	US20100766119	20100423
US8707728 BB	20140429	US20110009905	20110120

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** CHUNG SUNG H ; CHUNG SUNG HOON ; KIM SEONG J ; KIM SEONG JAE ; LEE MYUNG R ; LEE MYUNG RYUL ; LG ELECTRONICS INC ; SEO CHANG HO ; SEO CHANG H

Inventor(s):(std)**:** CHANG HO SEO ; CHUNG SUNG HOON ; KIM SEONG JAE ; LEE MYUNG RYUL ; MYUNG RYUL LEE ; SEO CHANG HO ; SEONG JAE KIM ; SUNG HOON CHUNG ; SUNG HOON LEE MYUNG RYUL KIM S ; SEO CHANG H ; LEE MYUNG R ; KIM SEONG J ; CHUNG SUNG H

Inventor(s): LEE MYUNG RYUL KIM SEONG JAE SEO CHANG HO... ; SEO CHANG ; LEE MYUNG ; KIM SEONG ; CHUNG SUNG

Agent(s): HALE PETER; BIRCH STEWART KOLASCH AND BIRCH; FISH AND RICHARDSON PC; BIRCH STEWART KOLASCH AND BIRCH LLP

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

International class (IPC 8–9): A47B96/00 F25C1/00 F25C1/04 F25C1/12 F25C1/22 F25C1/24 F25C5/14 F25C5/18 F25D11/02 F25D17/04 F25D17/06 F25D17/08 F25D23/02 F25D23/04 F25D23/12 F25D3/02 (Advanced/Invention);
F25C1/24 F25C5/04 (Advanced/Non–invention);
A47B96/00 F25C5/00 F25D17/04 F25D23/02 F25D23/12 (Core/Invention)

International class (IPC 1–7): F25C1/00 F25C1/04 F25C1/24 F25D11/02 F25D17/04 F25D17/06 F25D17/08 F25D23/04 F25D23/12

CPC: F25C5/046 F25C1/04 F25C2400/10 F25D17/065 F25D23/087 F25D2317/061 F25D2317/062 F25D2317/0666 F25D2317/0682 F25D2317/0683 F25D2400/04 F25D2400/06 F25D2500/02 F25C1/24

European class: F25C1/04 F25C5/04C F25D17/06A1 R25C400/10 R25C5/04C R25D23/08B2 R25D317/061 R25D317/062 R25D317/0666 R25D317/0682 R25D317/0683 R25D400/04 R25D400/06 R25D500/02

US class: 312/405.1 312/405.100S 62/340 62/340P 62/344 62/344P 62/344S 62/353 62/353P 62/377 62/407 62/407S 62/408 62/408S 62/419 62/419S 62/420 62/426 62/426S 62/441 62/441S 62/449 62/449S 623/44

Classification Explorer

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Forward Citations: WO16099863, WO10120038, WO08082216, WO08082215, WO08082213, WO07062952, USD712440, USD697094, USD694297, USD694296, USD694295, USD549745, US9714784, US9683771, US9683770, US9683769, US9593870, US9581382, US9568234, US9557091, US9528736, US9482458, US9476627, US9447999, US9417001, US9404682, US9310121, US9291386, US9291382, US9285153, US9285151, US9267724, US9255728, US9250004, US9239181, US9234687, US9222718, US9222717, US9222716, US9207009, US9200827, US9097458, US9097455, US8978406, US8973391, US8966926, US8925340, US8875536, US8863985, US8857206, US8844311, US8826679, US8814284, US8808599, US8794026, US8794024, US8794023, US8789388, US8776544, US8756952, US8733123, US8720221, US8707728, US8695370, US8677775, US8677773, US8627679, US8627677, US8616019, US8616018, US8601830, US8584474, US8578721, US8572999, US8511106, US8495891, US8484987, US8464543, US8459056, US8448462, US8443621, US8438872, US8413460, US8408023, US8408016, US8375734, US8371136, US8353177, US8336330, US8240156, US8151597, US8132423, US8117863, US8096142, US8074464, US8028534, US8020403, US7980089, US7900465, US7895859, US7891198, US7886500, US7870754, US7866773, US7818975, US7762097, US7726148, US7703297, US7681406, US7631513, US7617698, US7617634, US7614244, US7607312, US7594413, US7591141, US7587910, US7568359, US7568357, US7568354, US7552594, US7549297, US7493777, US7458230, US7458229, US7437885, US7418831, US7418830, US7406833, US7386992, US7340914, US7337620, US7287397, US7284392, US7284390, US7272949, US7266973, US7266972, US7266957, US7240512, US7240510, US7228703, US7228702, US7188479, US7185507, US2016084570, US2015308725, US2015135760, US2015115790, US2015033773, US2014150467, US2014013792, US2013205825, US2013199229, US2013199212, US2013167569, US2013105611, US2013061626, US2012111048, US2012111047, US2012060526, US2012006846, US2011252816, US2011214442, US2011162405, US2011132021, US2011113811, US2011094255, US2011000237, US2010319389, US2010293984, US2010281906, US2010257877, US2010251744, US2010251743, US2010218542, US2010218540, US2010218535, US2010218526, US2010218520, US2010218519, US2010218518, US2010199702, US2010192608, US2010126210, US2010126204, US2010122548, US2010122546, US2010095692, US2010064715, US2010050681, US2010050680, US2010050663, US2010043458, US2010030383, US2010018239, US2010000249, US2009266090, US2009145158, US2009113921, US2009044560, US2009038331, US2008156026, US2008156021, US2008156020, US2008156000, US2008155999, US2008148761, US2008134708, US2008127670, US2008104977, US2008053138, US2008041088, US2008034779, US2007227176, US2007163282, US2007018548, US2006272235, US2006272218, US2006266070, US2006266068, US2006266067, US2006266066, US2006266065, US2006266061, US2006266059, US2006266055, US2006265960, US2006260351, US2006260350, US2006260349, US2006260348, US2006260347, US2006260346, US2006260345, US2006260344, US2006260343, US2006260342, US2006260333, US2006213213, US2006201194, US2006201193, US2006201192, US2006201191, US2006201190, US2006201189, US2006144075, US2006144074, US2006090496, US2006086135, US2006086132, US2006086130, US2006086129, US2006086128, US2005252232, US2005210909, US2005178145, US2005160756, US2005005426, KR20120009623, KR20110056943, KR20100110182, KR101700760, KR101659011, KR101658998, KR101283190, KR101088221, KR100716254, KR100621237, JP5271134, JP2010503819, JP2010230224, JP2010203658, JP2010112676, JP2010096410, JP2010071565, EP2685186, EP2623906, EP2431688, EP2419685, EP2419685, EP2414751, EP2097693, EP2097693, CN103542662, CN103542662, CN103185431, CN103185431, CN103017430, CN102575891, CN102575891, CN102441995, CN102395843, CN102395843, CN102378885, CN102378885, CN102221276, CN102213524, CN102171524, CN102132117, AU2010217892,

Abstract:
Source: US2005061016A Refrigerator with an icemaker including a cabinet having a mullion wall for compartmentalization of a freezing chamber and a refrigerating chamber, a case provided to a door on the refrigerating chamber, having a cavity therein, a first duct for supplying cold air from a neighborhood of an evaporator in the freezing chamber to the cavity, the icemaker in the cavity for producing ice, an ice container in the cavity for storing the ice, and a dispenser in the door in communication with the cavity, thereby having ice supplied to a user at an outside of the refrigerator through a dispenser provided to the door.

0) US2010319901A – COMPACT GRILLE CABINET FOR ROOM AIR–CONDITIONER...

14) Family number: 41913258 (US2010319901A) © PatBase

Title: COMPACT GRILLE CABINET FOR ROOM AIR–CONDITIONERS

Priority: EP20070859626 20071207 IN2006KA01316 20061207 IN2006KO01316 20061207 WO2007IN00570 20071207

Family:

Publication number	Publication date	Application number	Application date
DE602007043925 D1	20151224	DE200760043925T	20071207
EP2108096 A1	20091014	EP20070859626	20071207
EP2108096 B1	20151111	EP20070859626	20071207
IN01316KO2006 A	20080711	IN2006KO01316	20061207
IN252392 B	20120518	IN2006KO01316	20061207
US2010319901 AA	20101223	US20070517807	20071207
US8215123 BB	20120710	US20070517807	20071207
WO08068774 A1	20080612	WO2007IN00570	20071207

Probable Assignee: AGARWAL SANJIV

Assignee(s):(std)**:** AGARWAL SANJIV

Assignee(s): SANJIV AGARWAL

Inventor(s):(std)**:** AGARWAL SANJIV

Inventor(s): SANJIV AGARWAL

Agent(s): WUESTHOFF AND WUESTHOFF PATENTANWAELTE PARTG MBB; VON HELLFELD AXEL; SANJIV AGARWAL; DAVAR G S ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): F17C13/00 F24F1/00 F24F13/00 F24F13/08 F24F5/00 F25B13/00 F25B29/00 F25D17/06 F25D19/02 F25D23/00 F25D23/12 F25D3/00 (Advanced/Invention); F24F1/00 F24F13/00 F24F13/08 (Core/Invention)

International class (IPC 1–7): F24F13/00

CPC: F24F5/0017 F24F5/0096 F24F13/082 Y02E60/147

European class: F24F13/08C F24F5/00T

US class: 165/253 62/262 62/262S 62/324.6 62/324.600S 62/389 62/389S 62/419 62/419S 62/448 62/457.9

Classification Explorer

Cited documents: US6347526 BA, US4637222 A, KR20020026727 A, GB765498 A, GB2138128 A1,

Forward Citations: USD792486, US8814971, US2014367069, NL2007569,

Abstract:
Source: US2010319901A This invention relates to an improved compact grille cabinet for room air conditioners operable in normal and extreme climatic conditions with optimized efficiency mode comprising of: an insulated box chiller (B) with louvers, the insulated box being mounted on a window air conditioner; a hinge (C) allowing partial opening of the cabinet at angles up to 180 degrees (120 and 130); an additional lid (A) opening upwards to accommodate an ice box compartment (210) or a tubular grille storing a liquid; an additional outlet (D) consisting of a small grilled aperture; an electronic control panel (E) adaptable with various programme modes indicating different temperatures of the cabinet and controlling the variable opening of the cabinet according to temperature to be maintained in a room; and a means to maintain opening angles of louvers proportional to the angle of the cabinet door to operate the air–conditioning device in a refrigerating, heating or air–conditioning mode facilitating heat exchange between ice tray, cooled stored matter in the cabinet and air entering the conditioner and air of the room.

0) US2006070299A – GREENING SYSTEM

15) Family number: 30611034 (US2006070299A) © PatBase

Title: GREENING SYSTEM

Priority:
EP20040745783 20040611 JP20030169837 20030613 JP20030432251 20031226
JP20030432252 20031226 JP20030432253 20031226 JP20080194093 20080728
JP20080194096 20080728 JP20050506929 20040611 JP20050506929 20040611
US20050242725 20051003 US20120426327 20120321 WO2004JP08189 20040611
JP20030432254 20031226

Family:

Publication number	Publication date	Application number	Application date
AU2004246926 AA	20041223	AU20040246926	20040611
AU2004246926 BB	20081002	AU20040246926	20040611
CA2529073 AA	20051213	CA20042529073	20040611
CA2529073 C	20100105	CA20042529073	20040611
CN101816268 A	20100901	CN201010139383	20040611
CN101816268 B	20120718	CN201010139383	20040611
CN101849483 A	20101006	CN201010139427	20040611
CN101849483 B	20120704	CN201010139427	20040611
CN1774168 A	20060517	CN200480009921	20040611
CN1774168 B	20100929	CN200480009921	20040611
DE602004045252 D1	20140717	DE200460045252T	20040611
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EP1642493 B1	20140611	EP20040745783	20040611
HK1088788 A1	20110128	HK20060109103	20060816
HK1088788 A3	20061117	HK20060109103	20060816
HK1147643 A1	20130201	HK20110101705	20110222
JP2004041196 A2	20040212	JP20030169837	20030613
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JP2008289496 A2	20081204	JP20080194093	20080728
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JP5248945 B2	20130731	JP20080194096	20080728
US2006070299 AA	20060406	US20050242725	20051003
US2012227321 AA	20120913	US20120426327	20120321
US8209905 BB	20120703	US20050242725	20051003
US8701345 BB	20140422	US20120426327	20120321
WO04110131 A1	20041223	WO2004JP08189	20040611

Probable Assignee: KAWADA CONSTRUCTION CO LTD

Assignee(s):(std)**:** FUKUHARA TOSHIAKI ; FURUMURA TAKASHI ; KAWADA CONSTRUCTION CO LTD ; KAWADA KENSETSU KABUSHIKI KAISHA KAWADA CONSTRUCTION CO LTD ; KAWADA SHINICHI

Assignee(s): KAWADA CONSTRUCTION CO

Inventor(s):(std)**:**

FUKUHARA TOSHIAKI ; FURUMURA TAKASHI ; SHINICHI FURUMURA TAKASHI FUKU ; TOSHIAKI FUKUHARA ; TAKASHI FURUMURA ; SHINICHI KAWADA ; KAWADA SHINICHI

Inventor(s): KAWADA SHINICHI KITA KU ; FURUMURA TAKASHI FUKUHARA TOSHIAKI KAWADA SHINICHI ; FURUMURA TAKASHI KITA KU ; FUKUHARA TOSHIAKI KITA KU

Agent(s): PHILLIPS ORMONDE FITZPATRICK; BLAKE CASSELS AND GRAYDON LLP; PAGE WHITE AND FARRER; JENKINS PETER DAVID; GREENBERG TRAURIG LLP; PERKINS COIE LLP; KENNETH H

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A01G1/00 A01G27/02 A01G27/04 A01G27/06 A01G7/00 A01G9/00 A01G9/02 A01G9/14 B01D24/02 B01D35/027 E01C11/22 E01C11/24 E01C15/00 E03B11/14 E03B3/02 E03F5/14 E04D13/00 (Advanced/Invention);
B01D35/027 (Advanced/Non–invention);
A01G1/00 A01G27/00 A01G7/00 A01G9/00 A01G9/02 A01G9/14 B01D24/02 B01D35/00 E01C11/00 E01C11/24 E01C15/00 E03B11/00 E03B3/00 E03F5/14 E04D13/00 (Core/Invention);
B01D35/00 (Core/Non–invention);
A01G E04D (Subclass/Invention)

International class (IPC 1–7): A01G1/00 A01G27/06 A01G7/00 A01G9/02 B01D24/02 B01D35/027 E01C11/22 E01C11/24 E01C15/00 E03F5/14 E04D13/00

CPC: A01G9/02 A01G27/02 Y02B80/32

European class: A01G27/02 A01G9/02

US class: 47/65.9 47/69 47/69P 47/80

Classification Explorer

Cited documents: WO04110131 A1, US6862842 BB, US6645267 BA, US6606823 BA, US6263616 BA, US6134848 A, US5816738 A, US5803662 A, US5675929 A, US5608989 A, US5472458 A, US5437698 A, US5405211 A, US5403117 A, US5277877 A, US4926586 A, US4923329 A, US4908984 A, US4178715 A, US4112619 A, US4107876 A, US4073753 A, US4070794 A, US4034507 A, US3866352 A, US2814161 A, US2346029 A, US2009211186 AA, US2005044791 AA, US2005011120 AA, US2004237465 AA, US2003066238 AA, US2002152676 AA,

JPPCT/JP2004/008189

JP9140252 A2, JP8256604 A2, JP8228605 A2, JP8140507 A2, JP8006807 Y2, JP6225635 A2, JP6165617 A2, JP6153715 A2, JP6153701 A2, JP6153685 A2, JP6019423 U1, JP6019423 A2, JP5284857 A2, JP5219845 A2, JP5176640 A2, JP5095734 A2, JP4347202 A2, JP4144611 A2, JP4106953 U1, JP4106953 A2, JP406225635, JP406165617, JP406153701, JP405176640, JP404347202, JP404144611, JP3515777 B1, JP3180119 A2, JP2004337073 A2, JP2004290044 A2, JP2004261021 A2, JP2004242546 A2, JP2004097235 A2, JP2004092390 A2, JP2004089210 A2, JP2004089209 A2, JP2004041196 A2, JP2004008189 A2, JP2004/337073, JP2004/290044, JP2004/261021, JP2004/097235, JP2004/092390, JP2004/089210, JP2004/089209, JP2004/041196, JP2003199224 A2, JP2003189741 A2, JP2003158914 A2, JP2003/158914, JP2002294766 A2, JP2002247914 A2, JP2002212911 A2, JP2002/294766, JP2002/212911, JP2001299094 A2, JP2000139229 A2, JP2000104206 A2, JP1260000 A2, JP11243784 A2, JP11220950 A2, JP10174522 A2, JP10108547 A2, GB213368 A, EP1060655 A2, EP0475489 A1, EP0266701 A2, DE3936264 A1, DE3529717 A1, DE3328110 A1, DE29714151 U1, DE2045516 A1, CN87207429 U, CN87207429 A,

Forward Citations: WO14205994, WO07080582, WO07060732, US9631328, US9428913, US9167743, US9068352, US8701345, US8662403, US8578651, US8516743, US8500996, US8209905, US8153005, US7897047, US7718062, US2015282438, US2014352247, US2014059926, US2013212941, US2012227321, US2010051540, US2009293350, US2009001002, KR200464609, KR101411476, KR101309133, KR101205223, KR100920060, KR100910661, KR100733281, KR100598770, JP5784686, JP5252652, JP2015061964, JP2013042518, JP2011012453, JP2010001691, JP2009171884, JP2009097161, JP2008289497, JP2008231703, JP2008127961, JP2007306859, JP2007203197, JP2007051462, JP2005304319, GB2431851, EP1642493, DE102008049362, CN105756295, CN105544345, CN105113357, CN105064171,

CN104969791, CN104358363, CN104196277, CN104196113, CN104179240, CN103898826, CN103828632, CN103583172, CN103374972, CN103161198, CN103161198, CN103070036, CN103070036, CN103039289, CN102845278, CN102845278, CN102535579, CN102518174, CN102230319, CN102213007, CN102037867, CN101796915,

Abstract:
Source: US2006070299A A greening system us disclosed for enabling plants/vegetation to grow only with natural rainfall, without any particular irrigation facilities, enabling a full−blown garden to be constructed on building rooftops, minimizing the applicable loads on the building, and free from the risk of leakage. Planting container 1 comprises box 2 with stickers 3 to carry perforated partition panel 4. The lower half of the container is constituted as water storage 5, and drain holes 6 are opened on sides of the container. Soil layer 7 placed on partition panel 4 is formed of light woody soil−based on charcoal 9 and humus timber chips for absorbing moisture transported from the water 8 stored in water storage 5 by evaporation or difference in humidity, to have a large water capacity letting less water evaporate into the air. Charcoal 9 absorbs water from the air inside the lower half of the container to water the plants. Water storage 5 assures an amount of water necessary for plants to grow.

0) US2005097925A – APPARATUS FOR SUPPLYING DETERGENT IN WASHER

16) Family number: 28831092 (US2005097925A) © PatBase

Title: APPARATUS FOR SUPPLYING DETERGENT IN WASHER

Priority: KR20020001724 20020111 KR20020001725 20020111 KR20020001726 20020111 KR20020001727 20020111 KR20020001728 20020111 KR20020001731 20020111 KR20020001737 20020111 KR20020040247 20020711 KR20020052976 20020903 WO2003KR00050 20030110

Family:

Publication number	Publication date	Application number	Application date
AU2003202813 AA	20030724	AU20030202813	20030110
AU2003202813 BB	20060316	AU20030202813	20030110
CN1256478 C	20060517	CN20038000060	20030110
CN1496425 A	20040512	CN20038000060	20030110
DE60318386 D1	20080214	DE20036018386	20030110
DE60318386 T2	20081211	DE20036018386T	20030110
EP1463854 A1	20041006	EP20030701904	20030110
EP1463854 B1	20080102	EP20030701904	20030110
JP2005514133 T2	20050519	JP20030558256T	20030110
JP3982821 B2	20070926	JP20030558256T	20030110
KR100429644 B1	20040503	KR20020001724	20020111
KR100429645 B1	20040503	KR20020001728	20020111
KR100441096 B1	20040721	KR20020001726	20020111
KR100452357 B1	20041013	KR20020001727	20020111
KR100457564 B1	20041118	KR20020040247	20020711
KR100471446 B1	20050310	KR20020052976	20020903
KR100484796 B1	20050422	KR20020001725	20020111
KR100484797 B1	20050422	KR20020001731	20020111
KR100484798 B1	20050422	KR20020001737	20020111
KR20030061180 A	20030718	KR20020001724	20020111
KR20030061181 A	20030718	KR20020001725	20020111
KR20030061182 A	20030718	KR20020001726	20020111
KR20030061183 A	20030718	KR20020001727	20020111
KR20030061184 A	20030718	KR20020001728	20020111
KR20030061187 A	20030718	KR20020001731	20020111
KR20030061193 A	20030718	KR20020001737	20020111
KR20040006243 A	20040124	KR20020040247	20020711
KR20040020713 A	20040309	KR20020052976	20020903
US2005097925 AA	20050512	US20030471336	20030110
US7257969 BB	20070821	US20030471336	20030110
WO03057970 A1	20030717	WO2003KR00050	20030110

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** CHO HAN K ; CHO HAN KI ; HA YOUNG H ; HA YOUNG HOON ; JUNG YEON S ; JUNG YEON SU ; KANG JUNG H ; LG ELECTRONICS INC ; KIM JONG SEOK ; NO YANG HWAN ; KANG JUNG HOON ; PARK MYUNG SIK ; KIM JONG S ; NO YANG H ; PARK MYUNG S

Inventor(s):(std)**:** CHO HAN GI ; HA YEONG HUN ; KANG JEONG HUN ; NOH YANG HWAN ; PARK MYEONG SIK ; KIM JONG S ; KANG JUNG H ; JUNG YEON S ; JONG SEOK KIM ; HAN KI KIM JONG SEOK RO YANG H ; HAN KI CHO ; HA YOUNG H ; CHO HAN K ; PARK MYUNG SIK ; YANG HWAN RO ; PARK MYUNG S ; NO YANG H ; NO YANG HWAN ; KIM JONG SEOK ; KANG JUNG HOON ; JUNG YEON SU ; HA YOUNG HOON ; CHO HAN KI ; JUNG YOUN SU

Inventor(s): CHO HAN ; HA YOUNG ; JUNG YEON ; KANG JUNG ; KIM JONG ; NO YANG ; KIM JONG SEOK RO YANG HWAN CHO HAN KI ; RO YANG HWAN ; PARK MYUNG ; YANG HWAN NO ; YEON SU JUNG ; YOUNG HOON HA ; MYUNG SIK PARK ; JUNG HOON KANG

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; HALE PETER ET AL; SONG K JUNG, MCKENNA LONG AND ALDRIDGE; SONG K JUNG MCKENNA LONG AND ALDRIDGE; MCKENNA LONG AND ALDRIDGE LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): D06F25/00 D06F29/00 D06F39/02 D06F39/08 (Advanced/Invention); D06F25/00 D06F39/02 (Advanced/Non–invention); D06F25/00 D06F29/00 D06F39/02 D06F39/08 (Core/Invention)

International class (IPC 1–7): D06F25/00 D06F29/00 D06F39/02 D06F39/08

CPC: D06F39/02 D06F39/028 D06F37/20 D06F39/022 D06F39/12 D06F25/00 D06F39/088 D06F58/04 D06F58/24 D06F39/14

European class: D06F39/02 D06F39/02S

US class: 68/12.18 68/170R 68/17A 68/17R 68/207

Classification Explorer

Cited documents: US6434977 BA, US6311701 BA, US6000248 A, US5759398 A, US5641947 A, US5306421 A, US4700554 A, US4490862 A, US4467627 A, US4188897 A, US4188807 A, US4118957 A, US3988908 A, JP57036565 A2, JP55053084 A2, JP4282198 A2, JP3173599 A2, DE1246655 B,

Forward Citations: WO15106978, WO15080491, WO15080491, WO15080487, WO08016262, WO08016262, US9328450, US9121123, US8707743, US7980102, US7942024, US7934402, US7827831, US7770418, US7654119, US7614261, US2016194809, US2016194808, US2014312069, US2010132416, US2008295546, US2008229790, US2007240456, US2007056330, US2007056329, US2007022788, US2005056060, SG130995, KR101577448, KR101568038, KR101481585, KR101256137, KR101256136, KR101241869, KR101233188, KR101203554, KR101176483, KR101072031, KR101050097, KR101010683, KR101009449, KR100987447, KR100987446, JP4372607, JP2014128733, JP2005304663, EP2896737, EP2653601, EP2653601, EP2230347, EP2061923, EP2061923, EP1808520, CN105612281, CN103069068, CN102454089,

Abstract:
Source: US2005097925A The invention relates to a detergent supplying apparatus in a washer which includes a cabinet (**1**), a drum (**4**) rotatably provided in the cabinet and a tub (**3**) fixed outside the drum (**4**). The detergent supplying apparatus includes: a water feed pipe (**21**) for feeding water; a detergent container (**100**) including water storage pool (**104**) having water inlet opening (**141**) connected to the water feed pipe, for being supplied with water through the water inlet opening (**141**), detergent pool (**101** to **103**) dividedly formed at a side of the water storage pool (**104** to **106**) by overflow compartments (**108** to **110**), for storing detergent, and drain (**107**) provided at a passage end of the detergent pools (**104** to **106**), whereby the water fed to the water storage pools (**104** to **106**) overflows the overflow compartments (**108** to **110**) to be fed to the detergent pools (**101** to **103**), and discharges through the drain (**107**); and detergent discharge pipe (**25**) of which one end is connected to the drain of the detergent container and the other end is connected to the tub of the washer, for guiding the detergent and water discharged through the drain into the tub.

17) Family number: 54360742 (US2014208951A) © PatBase

Title: BOTTLED WATER DISPENSERS WITH SINGLE–SERVE COFFEE BREWING FEATURES

Priority: CN201310106511 20130329 US20130011689 20130827 US20140205247 20140311 US20130751996 20130128 US20130858911 20130408 US20160225735 20160801 US20160997558 20160117

Family:

Publication number	Publication date	Application number	Application date
CN103202663 A	20130717	CN201310106511	20130329
CN103202663 B	20141203	CN201310106511	20130329
US2014208951 AA	20140731	US20130751996	20130128
US2014208953 AA	20140731	US20140205247	20140311
US2014208955 AA	20140731	US20130858911	20130408
US2014238245 AA	20140828	US20130011689	20130827
US2016338528 AA	20161124	US20160225735	20160801
US9271603 BB	20160301	US20130011689	20130827

Probable Assignee: ELECTROTEMP TECHNOLOGIES CHINA INC

Assignee(s):(std)**:** ELECTROTEMP TECHNOLOGIES CHINA INC ; QIUBO WANG ; YUI ANDREI ; YUI GEORGE ; YUI GEORGE M

Inventor(s):(std)**:** YUI GEORGE M ; YUI GEORGE ; YUI ANDREI ; YU QIAOZHI ; QIUBO WANG

International class (IPC 8–9)**:** A47J31/00 A47J31/36 A47J31/40 A47J31/46 A47J31/56 B67D3/00 B67D7/80 (Advanced/Invention)

CPC: A47J31/465 A47J31/407 B67D1/0004 B67D1/001 B67D1/0884 B67D1/0888 B67D1/1202 B67D1/1243 B67D2210/00118 B67D1/0857 B67D1/0895 A47J31/3628 A47J31/3695 B67D3/0009 B67D3/0019

US class: 1/1 165/48.1 99/280 99/285 99/290 99/295

Classification Explorer

Cited documents: US9271603 BB, US8636174 BA, US8606092 BB, US8540118 BB, US8276787 BA, US8225961 BB, US7866508 BB, US7856920 BB, US7552672 BB, US7028603 BA, US6636151 BB, US6164189 A, US6148146 A, US6073539 A, US6053092 A, US5865097 A, US5816135 A, US5584229 A, US5540355 A, US5285718 A, US5043689 A, US4575615 A, US4567350 A, US4480173 A, US4360128 A, US3787659 A, US3345934 A, US3100434 A, US2013186282 AA, US2013171320 AA, US2013034344 AA, US2011259913 AA, US2011044671 AA, US2010252570 AA, US2010092625 AA, US2008264877 AA, US2008190297 AA, US2007029005 AA, US2007006737 AA, US2007000949 AA, US2006107841 AA, US2006096465 AA, US2005188855 AA, US2005150391 AA, US2004187693 AA, US2004031394 AA, CN202960125 U, CN201365835 Y, CN1500432 A, CN101950187 A, CN101276211 A,

Forward Citations: US9440839, US2015374168, US2014208953, CN106438437, CN105739568, CN104423401, CN104423401, CN104161457, CN104161457,

Abstract:
Source: US2014208951A Water dispenser and coffee making devices that include a cabinet configured to house a water bottle in a bottom half of the interior portion of the cabinet; a cold tank that is configured to receive water from the water bottle, which is connected to an evaporator; one or more hot tanks that are configured to receive water (directly or indirectly) from the cold tank, which are connected to a heating coil to heat the water that is contained therein; and a coffee making device located on a top side of the cabinet, which (i) receives water from the hot tank, receives a disposable cartridge that contains coffee grinds for a single–serving of coffee, and causes water to contact the coffee grinds to produce a coffee beverage and (ii) employs a blunt– and sharp–ended spike, which are positioned to make water entry and exit apertures in the coffee cartridge, which are positioned in a way that prevents user injury from such spikes.

18) Family number: 56894920 (US2014196507A) © PatBase

Title: AUXILIARY WASHING MACHINE AND LAUNDRY TREATMENT APPARATUS USING THE SAME

Priority: EP20130188289 20131011 KR20130004676 20130116 WO2013KR08523 20130924

Family:

Publication number	Publication date	Application number	Application date
AU2013374554 AA	20140724	AU20130374554	20130924
AU2013374554 BB	20161215	AU20130374554	20130924
CA2895058 AA	20150612	CA20132895058	20130924
CA2895058 C	20170718	CA20132895058	20130924
CN104884698 A	20150902	CN201380069163	20130924
DE602013014966 D1	20170119	DE201360014966T	20131011
EP2757186 A1	20140723	EP20130188289	20131011
EP2757186 B1	20161207	EP20130188289	20131011
ES2616318 T3	20170612	ES20130188289T	20131011
IN01880KN2015 A	20160129	IN2015KN01880	20150616
JP2016508063 T2	20160317	JP20150552562T	20130924
JP6126243 B2	20170510	JP20150552562T	20130924
KR20140094055 A	20140730	KR20130004676	20130116
RU2015124010 A	20170221	RU20150124010	20130924
RU2622832 C2	20170620	RU20150124010	20130924
US2014196507 AA	20140717	US20130037425	20130926
US9670609 BB	20170606	US20130037425	20130926
WO14112704 A1	20140724	WO2013KR08523	20130924

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** KIM DONGWON ; LEE DONGSOO ; LG ELECTRONICS INC

Assignee(s): ELDZHI ELEKTRONIKS INK

Inventor(s):(std)**:** KIM DONG WON ; KIM DONGVON ; KIM DONGWON ; LEE DONG SOO ; LEE DONGSOO ; LI DONGSOO

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; VOSSIUS AND PARTNER PATENTANWAELTE RECHTSANWAELTE MBB; VOSSIUS AND PARTNER; DE ELZABURU ALBERTO; AOKI ATSUSHI; TSURUTA JUNICHI; KED AND ASSOCIATES LLP; KIM YONG IN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class(IPC 8–9)**:** D06F17/06 D06F23/04 D06F29/00 D06F31/00 D06F37/12 D06F37/20 D06F37/24 D06F37/26 D06F39/08 D06F39/12 (Advanced/Invention); D06F37/24 D06F39/12 (Advanced/Non–invention)

CPC: D06F29/00 D06F31/00 D06F37/245 D06F39/125 D06F23/04 D06F37/12 D06F37/26 D06F39/08

US class: 68/27

Classification Explorer

Cited documents: WO200806907, WO12150539 A2, WO12150539, WO09134018 A2, WO08084932 A2, WO08069607 A2, US8561438 BB, US5606879 A, US2014053612 AA, US2011265524 AA, US2011265524, US2011214458 AA, US2010307200 AA, US2010307200,

US2009139275 AA, US2009139273 AA, US2008289368 AA, US2008289368, US2006075824 AA, US2004074263 AA, EP0808933 A2, CN102844486 A, CN101617077 A, CN101578409 A, CN101451295 A, CN101407990 A,

Forward Citations: WO17063601, WO17039325, WO16169526, EP3112519, EP2980296, CN104790168,

Abstract:
Source: US2014196507A Provided is a washing machine which may include a cabinet that defines an accommodation space, a washing device configured to be withdrawn from the accommodation space of the cabinet, and a front panel provided in front of the washing device that defines a front external appearance of the auxiliary washing machine. The washing device may include a drawer configured to be slidably inserted or withdrawn from the accommodation space of the cabinet, the drawer including a tub for wash water, a rotating drum assembly provided in the drawer, the rotating drum assembly having a drum and a rotating shaft connected to the drum and extending through the tub, and a motor provided below the drawer and connected to the rotating shaft to rotate the drum.

0) US2005269361A – PORTABLE BOTTLED WATER DISPENSER

19) Family number: 32475576 (US2005269361A) © PatBase

Title: PORTABLE BOTTLED WATER DISPENSER

Priority: US20040575797P 20040529 US20050139220 20050527 US20060339594 20060124 US20080019605 20080124 US20070701887 20070202

Family:

Publication number	Publication date	Application number	Application date
US2005269361 AA	20051208	US20050139220	20050527
US2006124665 AA	20060615	US20060339594	20060124
US2007131716 AA	20070614	US20070701887	20070202
US2008110931 AA	20080515	US20080019605	20080124
US7182222 BB	20070227	US20060339594	20060124
US7328818 BB	20080212	US20050139220	20050527
US7490739 BB	20090217	US20080019605	20080124
WO05118461 A2	20051215	WO2005US18875	20050528
WO05118461 A3	20070104	WO2005US18875	20050528
WO07087222 A2	20070802	WO2007US01348	20070119
WO07087222 A3	20080424	WO2007US01348	20070119
WO07087222 C1	20071101	WO2007US01348	20070119

Probable Assignee: PRABUCKI ROBERT W

Assignee(s):(std)**:** PRABUCKI ROBERT W

Inventor(s):(std)**:** PRABUCKI ROBERT W

Inventor(s): PRABUCKI ROBERT

Agent(s): CHERNOFF VILHAUER MCCLUNG AND STENZEL; J DOUGLAS; CHERNOFF VILHAUER MCCLUNG AND STENZEL LLP; WELLS J DOUGLAS; CHERNOFF VILHAUER MCCLUNG AND STENZEL LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B67D1/00 B67D1/08 B67D3/00 B67D5/06 B67D5/56 B67D5/62 B67D7/06 B67D7/74 B67D7/78 B67D7/80 B67D7/84 F25B21/02 F25B25/02 (Advanced/Invention); B67D1/00 (Advanced/Non–invention); B67D3/00 B67D7/06 B67D7/74 B67D7/78 B67D7/80 B67D7/84 F25B25/00 (Core/Invention); B67D1/00 (Core/Non–invention)

International class (IPC 1–7): B67D5/06

CPC: B67D1/0869 B67D3/0029 B67D2210/00128 B67D3/0009 F25B21/04 F25B27/002

European class: B67D1/08D4 B67D3/00C B67D3/00H F25B21/04 F25B27/00B L67D210/00D16

US class: 222/129.1 222/129.100P 222/146.1 222/146.100P 222/146.6 222/146.600P 222/175 222/183 222/185.1 222/185.100S 222/608 62/3.64 62/36.4 62/364 62/389

Classification Explorer

Cited documents: USD502059 S1, USD313330 S1, USD292466 S1, USD289724 S1, USD277255 S1, US7328818 BB, US7182222 BB, US6980788 BB, US6960717 BB, US6931756 BB, US6871675 BA, US6868986 BA, US6830167 BB, US6793099 BA, US6786255 BA, US6783034 BA, US6751963 BB, US6739150 BB, US6675593 BA, US6648184 BA, US6616013 BB, US6547317 BA, US6457317 BA, US6354511 BA, US6305185 BA, US6269980 BA, US6193894 BA, US6182453 BA, US6155460 A, US6080971 A, US6073539 A, US6059143 A, US6058718 A, US6021642 A, US6012790 A, US5969501 A, US5868986 B1, US5868986 A, US5866880 A, US5845504 A, US5842606 A,

US5772075 A, US5766453 A, US5752661 A, US5699669 A, US5692454 A, US5647416 A, US5638991 A, US5636852 A, US5619856 A, US5616243 A, US5573142 A, US5553751 A, US552632 A, US5501077 A, US5449093 A, US5447256 A, US5447041 A, US5405052 A, US5397700 A, US5395014 A, US5390826 A, US5385275 A, US5379596 A, US5356045 A, US5310088 A, US5297700 A, US5246141 A, US5235822 A, US5195004 A, US5172832 A, US5153561 A, US5123720 A, US5072590 A, US5058718 A, US4993229 A, US4981019 A, US4958747 A, US4928856 A, US4913713 A, US4899911 A, US4895418 A, US4866945 A, US4833888 A, US4823554 A, US4779426 A, US4646944 A, US4629096 A, US4409961 A, US4367633 A, US4341328 A, US4320626 A, US4293082 A, US3933275 A, US3824801 A, US3325058 A, US3170601 A, US2080787 A, US2006003216 AA, US2005284167 AA, US2005284151 AA, US2005268962 AA, US2005257827 AA, US2005233189 AA, US2005194404 AA, US2005160620 AA, US2005139552 AA, US2005133082 AA, US2005116872 AA, US2005103212 AA, US2005087260 AA, US2005076665 AA, US2005029298 AA, US2004129723 AA, US2004055313 AA, US2003213755 AA, US2003157893 AA, US2003136797 AA, US2003076672 AA, US2003070708 AA, US2002139815 AA, US2002134091 AA, US2001004081 AA, US1673007 A, US1619120 A, US1078214 A,

Forward Citations: WO12170013, WO08112535, WO07106994, USD730673, USD727693, USD703392, USD688537, USD682484, USD678624, USD655053, US9717114, US9580291, US9572730, US9538581, US9505601, US9475682, US9448000, US9399570, US9392646, US9377223, US9290890, US9241600, US9126747, US8973787, US8857882, US8820593, US8777059, US8763857, US8695371, US8684050, US8495893, US8258443, US8123069, US8070023, US8066152, US7490739, US7464836, US2016101001, US2015375918, US2015230641, US2014291350, US2014252040, US2013334256, US2013240562, US2013233438, US2013221030, US2013042941, US2012175013, US2012090333, US2012086243, US2011163128, US2011139672, US2011068126, US2010252569, US2010199711, US2010170656, US2010154463, US2010050677, US2009321443, US2009302038, US2009140006, US2008302822, US2008217363, US2008217362, US2008217361, US2008148763, US2008110931, US2007131716, FR2928907, EP2103565, CN102641083, AU2008226514,

Abstract:
Source: US2005269361A The present invention provides a compact and short profile portable bottled beverage dispenser for gravitationally dispensing a liquid from an inverted standard sized bottle such as the 3– or 5–gallon bottles commonly used in the drinking water industry. In one embodiment, the dispenser includes a removable top made of a rigid material and closeable over a space large enough to hold and fully enclose the inverted standard sized bottle, a base having a substantially flat bottom surface for maintaining the inverted standard sized bottle in an inverted position and mating surfaces for receiving the removable top, a collar having an aperture sized to receive a neck portion of the inverted standard sized bottle and disposed within the base for supporting the inverted standard sized bottle in the inverted position, a reservoir attached to the collar for receiving the liquid from the inverted standard sized bottle, whereby the neck portion of the inverted standard sized bottle extends downward through the aperture of the collar into the reservoir, and a spigot extending from the reservoir for dispensing the liquid from the reservoir. In one embodiment, the dispenser includes shoulder straps and handles for carrying the dispenser and tie downs for securing the dispenser to an object such as a bench, chain link fence, or pickup truck bed. In another embodiment, the dispenser comprises a vehicle utility box having a space large enough to hold the inverted standard sized water bottle and a base for maintaining the inverted standard sized water bottle in an inverted position.

0) US2006090498A – IN–DOOR WATER DISPENSER WITH DOOR REVERSIBILITY...

20) Family number: 32877115 (US2006090498A) © PatBase

Title: IN–DOOR WATER DISPENSER WITH DOOR REVERSIBILITY

Priority: US20040977997 20041029 US20070782683 20070725

Family:

Publication number	Publication date	Application number	Application date
AU2005225152 AA	20060518	AU20050225152	20051025
BRPI0505196 A	20060613	BR2005PI05196	20051031
CN1766475 A	20060503	CN200510119215	20051027
EP1653180 A2	20060503	EP20050109990	20051026
EP1653180 A3	20130116	EP20050109990	20051026
EP1653180 B1	20140312	EP20050109990	20051026
IN02705DE2005 A	20080801	IN2005DE02705	20051010
MXPA05011586 A1	20060504	MX2005PA11586	20051027
US2006090498 AA	20060504	US20040977997	20041029
US2008011012 AA	20080117	US20070782683	20070725
US7281391 BB	20071016	US20040977997	20041029
US7415834 BB	20080826	US20070782683	20070725

Probable Assignee: WHIRLPOOL CO

Assignee(s):(std): GARRISON GUY E ; MARRET DIANE E ; MOELLER JILL C ; REUTER DARYL L ; REVLETT JOHNNY R ; SMALE JEFF J ; STEFFENHAGEN MARK G ; WHIRLPOOL CO

Assignee(s): WHIRLPOOL CORP

Inventor(s):(std): GARRISON GUY E ; GARR REVLETT JOHNNY R SMALE JE ; MARRET DIANE E ; MOELLER JILL C ; REUTER DARYL L ; REVLETT JOHNNY R ; SMALE JEFF J ; STEFFENHAGEN MARK G

Inventor(s): STEFFENHAGEN MARK ; REVLETT JOHNNY R SMALE JEFF J MARRET DIANE E MOELL ; SMALE JEFF ; REVLETT JOHNNY ; REUTER DARYL ; MOELLER JILL ; GARRISON GUY ; DARYL L REUTER ; DARYL LREUTER ; DIANE E MARRET ; GUY E GARRISON ; JEFF J SMALE ; JILL C MOELLER ; JOHANNY R REVLETT ; JOHNNY R REVLETT ; MARK G STEFFENHAGEN ; MARRET DIANE

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GUERCI ALESSANDRO; WHIRLPOOL PATENTS COMPANY – MD 0750, SUITE 102; WHIRLPOOL PATENTS CO MD 0750 SUITE 102; WHIRLPOOL PATENTS CO MD 0750; KIRK; MICHAEL D; GOODWIN KIRK; LAFRENZ MICHAEL D

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

International class (IPC 8–9): B60H1/32 B67D1/00 B67D5/62 B67D7/80 B67D99/00 E05D11/00 F25D11/00 F25D23/02 F25D23/12 (Advanced/Invention);
B60H1/32 B67D1/00 B67D7/80 B67D99/00 E05D11/00 F25D11/00 F25D23/02 (Core/Invention)

International class (IPC 1–7): B67D1/00 B67D5/00 F25D23/02 F28D3/00

CPC: F25D23/126 F25D23/028

European class: F25D23/12B R25D23/02E

US class: 222/146.6 222/146.600 312/405 49/193 49/382 62/177 62/337 62/389 62/441

Classification Explorer

Cited documents: WO04048865 A1, WO04048730 A1, US6935712 BB, US6868692 BB, US6584786 BB, US6039219 A, US6000771 A, US5941619 A, US5787724 A, US5359795 A, US5263509 A, US4912942 A, US4543800 A, US3788094 A, US3429140 A, US2786338 A, US2512395 A, US2004206106 AA,

Forward Citations: WO07062919, USD774568, USD731842, USD728985, US9664438, US9383133, US9328954, US9182167, US8991205, US8870095, US8701940, US8573719,

US8336975, US8281608, US8117865, US8075074, US8042353, US7942017, US7908882, US7836720, US7730750, US7578141, US7350374, US2015247665, US2013047656, US2011259719, US2011146327, US2011146054, US2011089263, US2010326119, US2010326113, US2010252585, US2010218567, US2010218547, US2010175417, US2009272142, US2009255291, US2009249822, US2009229298, US2009229297, US2009178429, US2009044562, US2008245117, US2007261426, US2007220916, US2007204647, US2007074527, ITTO20121142, EP2743435, EP2322887, DE202007013947, CN102369406,

Abstract:
Source: US2006090498A An appliance cabinet with at least one openable door has a hinge at a pivoting edge of the door to allow the door to open about the pivoting edge. An endcap is secured to an edge of the door adjacent to the pivoting edge. A first conduit extends from an in−door apparatus to an end within the endcap. A second conduit extends from within the cabinet to an end exterior of the cabinet and within the endcap. An end connector is provided to receive the ends of the first and second conduits. The hinge is movable from the pivoting edge of the door to an opposite edge of the door. The second conduit is arranged to exit from either adjacent one corner or adjacent an opposite corner of the cabinet to be adjacent to the pivoting edge. In this arrangement, the two conduits are joinable within the endcap at the end connector to form a continuous conduit.

21) Family number: 43231392 (US2010307057A) © PatBase

Title: RAINWATER CATCHMENT APPARATUS AND PLANT CULTIVATING SYSTEM HAVING RAINWATER CATCHMENT APPARATUS

Priority: JP20070289929 20071107 WO2008JP69772 20081030

Family:

Publication number	Publication date	Application number	Application date
CN101691767 A	20100407	CN200810175825	20081104
CN101691767 B	20111026	CN200810175825	20081104
EP2208830 A1	20100721	EP20080846884	20081030
EP2208830 A4	20161214	EP20080846884	20081030
JP2009114760 A2	20090528	JP20070289929	20071107
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KR101635837 B1	20160704	KR20107009897	20081030
KR20100085960 A	20100729	KR20107009897	20081030
US2010307057 AA	20101209	US20080741521	20081030
US8689819 BB	20140408	US20080741521	20081030
WO09060784 A1	20090514	WO2008JP69772	20081030

Probable Assignee: SUNTORY LTD

Assignee(s):(std)**:** HASHIMOTO MASAKI ; MIYAKE YOSHIRO ; SUNTORY HOLDINGS LTD ; SUNTORY LTD

Assignee(s): SUNTORY HOLDINGS LIMITED

Inventor(s):(std)**:** HASHIMOTO MASAKI ; MASAKI HASHIMOTO ; MIYAKE YOSHIRO ; YOSHIRO MIYAKE

Agent(s): VOSSIUS AND PARTNER; DRINKER BIDDLE AND REATH (DC); DRINKER BIDDLE AND REATH LLP; KITAMURA SHUICHIRO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01G25/00 A01G27/00 A01G27/02 A01G9/02 E03B11/00 E03B11/16 E03B3/02 E03B3/03 E04D13/00 E04D13/04 E04D13/08 F16L5/00 (Advanced/Invention); A01G27/02 E03B11/00 E03B11/16 E03B3/02 (Advanced/Non–invention); A01G25/00 A01G27/00 E03B11/00 E03B3/00 E04D13/04 (Core/Invention)

CPC: A01G9/025 A01G25/06 A01G27/00 E03B3/02 E04D11/002 E04D13/0409 E04D2013/0427 E04D2013/0873 Y02B80/32 Y10T137/6969 Y10T137/85978 Y02P60/244

European class: A01G25/06 A01G27/00 E03B3/02 E04D11/00B E04D13/04B20 P04D13/04B20F P04D13/08P Y02B80/32

US class: 137/357 137/565.01 137/565.010S 47/79 47/79P 52/12 52/16

Classification Explorer

Cited documents: US4934404 A, US2005257433 AA, JP56038733 A2, JP5526004 B2, JP53148840 A2, JP5256004 A2, JP2000064526 A2, JP2000064526, FR2842843 A1, DE3723900 A1,

Forward Citations: WO14167556, WO13045673, US9366070, US2015230416, US2012137580, CN104542042, CN103477946, CN102778902, CN102359141, CN102182228, CN102071719,

Abstract:
Source: US2010307057A The present invention provides a rainwater catchment apparatus that is easily installed without renovating a building. The rainwater catchment apparatus comprises a rainwater inlet for introducing rainwater, a flange portion engaged with a peripheral portion of a rainwater outlet serving as a leading end of a drainage canal formed in a building framework for introducing rainwater in the rainwater inlet, a drain portion for

discharging excessive water exceeding a predetermined level to the drainage canal, a reservoir freely fitted into the drainage canal through the rainwater outlet, and a pumping mechanism for pumping water stored in the reservoir to the outside.

0) US2015252513A – WASHING MACHINE

22) Family number: 60278787 (US2015252513A) © PatBase

Title: WASHING MACHINE

Priority: KR20140025733 20140304 KR20140025746 20140304 KR20140025747 20140304 WO2015KR02048 20150303 WO2015KR02050 20150303 WO2015KR02053 20150303

Family:

Publication number	Publication date	Application number	Application date
AU2015224713 AA	20150911	AU20150224713	20150303
AU2015224713 BB	20161110	AU20150224713	20150303
AU2015224715 AA	20150911	AU20150224715	20150303
CN105308230 A	20160203	CN201580000904	20150303
CN106068344 A	20161102	CN201580012005	20150303
CN106103832 A	20161109	CN201580011983	20150303
EP2994565 A1	20160316	EP20150758139	20150303
EP2994565 A4	20161221	EP20150758139	20150303
EP3114269 A1	20170111	EP20150758397	20150303
EP3114270 A1	20170111	EP20150759297	20150303
IN201637029611 A	20161111	IN201637029611	20160830
JP2016522729 T2	20160804	JP20160516472T	20150303
KR20150103981 A	20150914	KR20140025733	20140304
KR20150103988 A	20150914	KR20140025746	20140304
KR20150103989 A	20150914	KR20140025747	20140304
US2015252513 AA	20150910	US20150637023	20150303
US2015252514 AA	20150910	US20150637037	20150303
US2017073875 AA	20170316	US20150122852	20150303
WO15133796 A1	20150911	WO2015KR02048	20150303
WO15133798 A1	20150911	WO2015KR02050	20150303
WO15133799 A1	20150911	WO2015KR02053	20150303

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** LG ELECTRONICS INC

Inventor(s):(std)**:** IM MYUNG HUN ; IM MYUNGHUN ; SEO BO SUNG ; SEO BOSUNG

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; VOSSIUS AND PARTNER PATENTANWAELTE RECHTSANWAELTE MBB; VOSSIUS AND PARTNER PATENTANWAELTE RECHTSANWAELTE MBB; AOKI ATSUSHI; TSURUTA JUNICHI; PARK JANG WON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): D06F39/02 D06F39/08 (Advanced/Invention)

CPC: D06F39/028 D06F39/08 D06F39/022 D06F2202/02 D06F2202/085 D06F2204/02 D06F39/02 D06F37/04 D06F37/22 D06F37/26 D06F37/30 D06F39/085 D06F39/12 Y02B40/50 D06F37/10 D06F37/28 D06F39/14 E05Y2900/312

US class: 68/17R

Classification Explorer

Cited documents:

US5345637 A, US2013312463 AA, US2013302137 AA, US2012103028 AA, US2012006077 AA, US2011186098 AA, US2011174021 AA, US2011154865 AA, US2010107704 AA, US2009235962 AA, US2008229790 AA, KR20130010800 A, KR20100065589 A, KR20090122004 A, KR101343712 B1, JP2011041586 A2, EP1884584 A2, CN203374479 U, CN202913249 U, CN202744826 U, CN103422328 A, CN102345223 A, CN102127853 A, CN101725015 A, CN101652513 A,

Forward Citations: USD775771, USD767835, USD765323, CN105734914,

Abstract:
Source: US2015252513A A washing machine including a cabinet having with an inlet port formed at a front panel for laundry insertion thereinto and a door to open or close the inlet port; a tub within the cabinet for storing wash water; a drum in communication with the inlet port, and rotatably provided within the tub; a detergent dispenser provided below the inlet; a water passage to supply wash water from a water source to at least one of the tub and the detergent dispenser; and a connecting passage to connect the tub and the detergent dispenser for transfer of the wash water stored in the tub to the detergent dispenser and for transfer of the detergent stored in the detergent dispenser to the tub.

23) Family number: 41824019 (US2012055885A) © PatBase

Title: METHOD AND APPARATUS FOR SANITIZING WATER DISPENSED FROM A WATER DISPENSER HAVING A RESERVOIR

Priority: US20030511986P 20031016 US20040967812 20041018 US20080126545 20080523 US20110221448 20110830 US20120710170 20121210 US20150716295 20150519

Family:

Publication number	Publication date	Application number	Application date
US2012055885 AA	20120308	US20110221448	20110830
US2013161269 AA	20130627	US20120710170	20121210
US2015360978 AA	20151217	US20150716295	20150519
US7378014 BA	20080527	US20040967812	20041018
US7422684 BA	20080909	US20040967812	20041018
US8007666 BA	20110830	US20080126545	20080523
US8343341 BB	20130101	US20110221448	20110830
US9034183 BB	20150519	US20120710170	20121210

Probable Assignee: SIP TECHNOLOGIES LLC

Assignee(s):(std)**:** DAVIS KENNETH A ; S I P TECHNOLOGIES L L C ; SHELTON JAMES JACKSON ; SIP TECHNOLOGIES LLC

Inventor(s):(std)**:** SHELTON JAMES J ; SHELTON JAMES JACKSON ; DAVIS KENNETH A

Agent(s): GARVEY SMITH NEHRBASS AND NORTH LLC; GARVEY JR CHARLES C; BEHRBASS SETH M; CHARLES C; SETH M; VANESSA M; GERVEY SMITH NEHRBASS AND NORTH LLC

International class (IPC 8–9)**:** B67D3/00 C02F1/50 C02F1/78 (Advanced/Invention); C02F1/78 (Core/Invention)

CPC: B67D3/0035 B67D3/0038 B67D2210/00002 B67D2210/00013 C02F2201/78 Y10S261/42 C02F1/50 C02F1/78

European class: B67D3/00H4 B67D3/00K C02F1/78 L67D210/00B L67D210/00B4 M02F201/78

US class: 210/141 210/141S 210/192 210/197 210/198.1 210/416.3 210/418 210/760 210/764 210/790 222/190 261/29 261/87 261/DIG.42

Classification Explorer

Cited documents: WO9742924 A1, WO9317725 A1, WO0202706 A1, WO0038815 A1, US9034183 BB, US8343341 BB, US8007666 BA, US7422684 BA, US6568900 BB, US6561382 BB, US6532760 BB, US6481219 BB, US6405387 BA, US6389690 BA, US6328261 BA, US6289690 BA, US6270733 BA, US6247633 BA, US6193113 BA, US6149804 A, US6085540 A, US6053391 A, US6050474 A, US5871701 A, US5862975 A, US5698164 A, US5683576 A, US5669221 A, US5632268 A, US5587089 A, US5582717 A, US5567332 A, US5567322 A, US5531908 A, US5503809 A, US5431861 A, US5366619 A, US5328059 A, US5295519 A, US5256282 A, US5232125 A, US5106495 A, US5015394 A, US4842723 A, US4805808 A, US4776127 A, US4764349 A, US4410495 A, US4341641 A, US4193949 A, US4035657 A, US4019986 A, US3970731 A, US3967131 A, US3843521 A, US3726404 A, US3692180 A, US3448045 A, US3382980 A, US2947525 A, US2093619 A, US2005236432 AA, US2004074252 AA, US2003071069 AA, US1403025 A, JP3055479 A2,

Forward Citations: WO14088739, WO13045508, US9526805, US9480762, US9446968, US9315371, US9034183, US8647501, US8366920, US8343341, US8176948, US8007666, US7681411, US7655150, US2015360978, US2015151957, US2014339261, US2009242074, US2009101594, US2008264877, US2008035241, US2007163283, JP2014527947, EP2821365, EP2574593, CN103827017, CN103827017,

Abstract:
Source: US2012055885A A method and apparatus of sanitizing drinking water to be dispensed from a water dispenser having a reservoir includes the steps of providing the ozone gas generator that generates an ozone gas stream, transmitting the ozone gas stream from the generator to the water dispenser reservoir, mechanically breaking up the ozone gas stream inside the reservoir to produce ozone gas bubbles, and using the ozone gas bubbles to disinfect water in the reservoir. The ozone gas stream can be mechanically broken up using a pump

such as, for example, an impeller type pump.

0) US2002104271A – MODULAR PATIENT ROOM

24) Family number: 28274374 (US2002104271A) © PatBase

Title: MODULAR PATIENT ROOM

Priority:

US19990298257	19990422	US20010293949P	20010525	US20020061597	20020201
US20020071361	20020208	US20020150574	20020517	US20020154312	20020926
US20020153206	20020522	US20030643045	20030818	US20020154312	20020523
US20070672087	20070207	US20060605018	20061128	US20040005583	20041206
US20050318689	20051227	US20040885369	20040706	US20020154314	20020523
WO2002US15987	20020520	US20070770213	20070628	US20080135244	20080609
WO2002US16150	20020522	WO2002US16210	20020523	WO2002US15960	20020520
WO2002US16404	20020523	US20090468179	20090519	US20100773415	20100504
US20100962701	20101208	US20120541825	20120705	US20120564268	20120801
US20130765227	20130212				

Family:

Publication number	Publication date	Application number	Application date
AU2002305689 AA	20021209	AU20020305689	20020523
AU2002309987 AA	20021209	AU20020309987	20020520
AU2002310044 AA	20021209	AU20020310044	20020523
CA2446209 AA	20031103	CA20022446209	20020520
CA2447653 AA	20031117	CA20022447653	20020520
CA2447655 AA	20031117	CA20022447655	20020522
CA2447656 AA	20031117	CA20022447656	20020523
CA2447661 AA	20031118	CA20022447661	20020523
EP1389995 A2	20040225	EP20020734523	20020523
EP1391036 A2	20040225	EP20020737020	20020520
EP1395220 A1	20040310	EP20020737065	20020522
EP1395221 A1	20040310	EP20020737025	20020520
EP1397103 A2	20040317	EP20020737084	20020523
JP2005514080 T2	20050519	JP20020592855T	20020522
JP2005515800 T2	20050602	JP20020592851T	20020523
JP2005515801 T2	20050602	JP20020592856T	20020520
JP2005516635 T2	20050609	JP20020592854T	20020523
US2002104271 AA	20020808	US20020071361	20020208
US2002174483 AA	20021128	US20020061597	20020201
US2003009825 AA	20030116	US20020150574	20020517
US2003009952 AA	20030116	US20020154312	20020523
US2003014817 AA	20030123	US20020154314	20020523
US2003019165 AA	20030130	US20020153206	20020522
US2004049845 AA	20040318	US20030643045	20030818
US2004237202 AA	20041202	US20040885369	20040706
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Agent(s): MACRAE AND CO; ISSHIKI AND CO; BARNES AND THORNBURG; BARNES AND THORNBURG LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9)**:** A47B23/04 A47C21/04 A47C21/08 A47C31/00 A47F10/00 A61F7/00 A61G1/02 A61G10/00 A61G12/00 A61G13/00 A61G7/00 A61G7/005 A61G7/02 A61G7/05 A61G7/06 A61G7/10 A61G7/14 A61G9/02 A61M1/00 A61M5/14 B65B1/04 E03C1/01 E04B2/74 E04C2/52 E04F19/00 E04H1/00 E04H14/00 E04H3/08 G05D7/06 G06F19/00 (Advanced/Invention);

A61G7/00 A61G7/015 A61G7/018 A61G7/053 A61M1/00 A61M16/00 G06F19/00 H01R13/00 H01R13/631 (Advanced/Non-invention); A61G10/00 A61G12/00 A61G13/00 A61G7/00 A61G7/02 A61G7/05 A61G9/00 A61M1/00 A61M5/14 B65B1/04 E04B2/74 E04F19/00 E04H3/08 G06F19/00 (Core/Invention); A61G7/002 A61G7/05 A61M1/00 A61M16/00 H01R13/00 H01R13/631 (Core/Non-invention)

International class (IPC 1-7): A47B23/04 A47C31/00 A47F10/00 A47K4/00 A61F7/00 A61G1/02 A61G10/00 A61G12/00 A61G13/00 A61G7/00 A61G7/02 A61G7/05 A61G7/10 A61G9/02 A61M1/00 A61M5/14 E03C1/01 E04B1/32 E04B2/74 E04F19/00 E04H1/00 E04H3/08 G05D7/06 H02G3/10 H03G1/00

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European class: A61G1/00 A61G1/02 A61G1/02P A61G1/04 A61G1/06B A61G10/00 A61G12/00 A61G12/00S A61G13/10R A61G7/00 A61G7/00B A61G7/012 A61G7/018 A61G7/02 A61G7/05 A61G7/05H A61G7/05S A61G7/10 A61G7/10S4 A61G9/02 A61M5/14R2 E04B2/74 E04B2/74C4 E04B2/74C4B E04H3/08 G06F19/00A G06F19/32C G06F19/34A G06F19/34N K61G10/00 K61G12/00B K61G13/10V K61G200/32 K61G200/34 K61G203/80 K61G205/00 K61G7/00B K61G7/00E K61G7/015 K61G7/018 K61G7/053 K61G7/05S14 K61G7/05S2A K61G7/05S2B K61G7/05S4A K61G7/05S4A2 K61G9/02 K61M1/00A6 K61M16/00 K61M209/08A K61M209/08B P04B2/74P P04B2/74R S06F19/32G S06F19/34A S06F19/34C S06F19/34L3 T01R13/00C T01R13/631B T01R201/12

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Classification Explorer

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Forward Citations: WO17037612, WO13130871, WO12140136, WO12122002, WO12100219, WO12035560, WO11139247, WO11066001, WO10096179, WO09152326, WO09152326, WO09022320, WO09018422, WO08127868, WO08012187, WO08011221, WO07054921, WO07054921, WO06093841, WO05120301, WO05120301, WO05120300, WO05120300, WO05120298, WO05120298, WO04082554, WO04082554, WO04082553, WO04081746, WO04081746, USD785360, USD778653, USD775345, USD758777, USD758776, USD758115, USD736023, USD733452, USD710025, USD656237, USD645158, USD641494, USD610832, USD592422, USD561910, USD528216, US9719251, US9717844, US9717344, US9702483, US9700149, US9700134, US9682134, US9655797, US9642967, US9642759, US9635941, US9629473, US9628597, US9622570, US9607722, US9598782, US9597053, US9588550, US9566443, US9539155, US9526665, US9526346, US9492340, US9486374, US9480615, US9463126, US9455561, US9451833, US9433546, US9421312, US9408996, US9398771, US9389643, US9387297, US9342787, US9310088, US9306322, US9301652, US9299468, US9299467, US9295338, US9280743, US9276523, US9271795, US9271569, US9259371, US9241850, US9237979, US9237814, US9226593, US9222255, US9173797, US9173794, US9173793, US9167968, US9128474, US9127470, US9123449, US9114203, US9103134, US9084516, US9072381, US9044366, US9044365, US9031673, US9027182, US9016023, US9010709, US9010031, US9009893, US8955261, US8955260, US8940152, US8934226, US8926535, US8914924, US8909357, US8909320, US8869328, US8851017, US8831983, US8820002, US8800243, US8776446, US8776445, US8752979, US8745786, US8733719, US8732875, US8713727, US8708352, US8707630, US8695284, US8692213, US8683750, US8682457, US8678334, US8677996, US8677535, US8677528, US8667742, US8640391, US8621787, US8621688, US8615933, US8596021, US8565934, US8561226, US8539949, US8538903, US8532938, US8526176, US8522488, US8516637, US8511306, US8499503, US8494999, US8474921, US8474193, US8465629, US8458962, US8458961, US8453643, US8453283, US8441782, US8424130, US8418692, US8418287, US8381668, US8375646, US8375488, US8371912, US8353288, US8340944, US8336138, US8333038, US8328260, US8327589, US8317674, US8307591, US8297028, US8273008, US8258973, US8240092, US8216184, US8216181, US8215065, US8146975, US8146191, US8141499, US8141188, US8122540, US8104729, US8100061, US8096005, US8087735, US8069512, US8068991, US8056162, US8051610, US8047484, US8042869, US8011039, US8006440, US8000981, US7990691, US7975333, US7974856, US7949567, US7931321, US7927787, US7921489, US7920061, US7912754, US7893876, US7884735, US7878809, US7865983, US7865982, US7862534, US7857354, US7849978, US7845601, US7827631, US7827042, US7798456, US7791866, US7775000, US7770934, US7770860, US7770247, US7748672, US7736002, US7735788, US7735266, US7698765, US7676865, US7661641, US7636966, US7612999, US7600280, US7600277, US7581708, US7552071, US7537030, US7495247, US7430771, US7421747, US7392621, US7278615, US7263501, US7254850, US7243386, US7216382, US7204714, US7200882, US7174678, US7158863, US7090180, US7090180, US7090179, US7083150, US7073765, US7065812, US7065811, US7054149, US7054149, US7009840, US6926239, US6895715, US6820375, US6658680, US2017093100, US2017035634, US2016348360, US2016136356, US2016136018, US2015327379, US2015296983, US2015216622, US2015167333, US2015135438, US2015089890, US2015075085, US2015033642, US2014323816, US2014290151, US2014245531, US2014244410, US2014174019,

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Abstract:
Source: US2002104271A A modular patient room includes a plurality of modular wall panels or units having various configurations. In some embodiments, the modular wall units have water dispensers. Headwall units having water dispensers are also disclosed. The water dispensers are configured to filter water or to sterilize water.

0) US2006144074A – REFRIGERATOR WITH FORWARD PROJECTING DISPENSER ...

25) Family number: 33100041 (US2006144074A) © PatBase

Title: REFRIGERATOR WITH FORWARD PROJECTING DISPENSER

Priority: CA20052531469 20051222 CA20062545021 20060427 US20060421812 20060602 US20050140096 20050527 US20060421817 20060602 US20050028422 20050103 US20060421827 20060602 US20060421831 20060602 US20060421818 20060602 US20110185232 20110718 US20130442499F 20130315 US20140462595 20140819 US20160218671 20160725

Family:

Publication number	Publication date	Application number	Application date
CA2531469 AA	20060703	CA20052531469	20051222
CA2545021 AA	20061127	CA20062545021	20060427
US2006144074 AA	20060706	US20050028422	20050103
US2006144075 AA	20060706	US20050140096	20050527
US2006201190 AA	20060914	US20060421812	20060602
US2006201191 AA	20060914	US20060421817	20060602
US2006201192 AA	20060914	US20060421818	20060602
US2006201193 AA	20060914	US20060421827	20060602
US2006201194 AA	20060914	US20060421831	20060602
US2011271706 AA	20111110	US20110185232	20110718
US2014352347 AA	20141204	US20140462595	20140819
US2017010035 AA	20170112	US20160218671	20160725
US7340914 BB	20080311	US20050140096	20050527
US7418830 BB	20080902	US20050028422	20050103
US7418831 BB	20080902	US20060421818	20060602
US7587910 BB	20090915	US20060421817	20060602
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US7980089 BB	20110719	US20060421831	20060602
US8844311 BB	20140930	US20110185232	20110718
US9423167 BB	20160823	US20140462595	20140819
USD694295 S1	20131126	US20130442499F	20130315

Probable Assignee: WHIRLPOOL CO

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Assignee(s): WHIRLPOOL CORP

Inventor(s):(std)**:** BOWEN JR MICHAEL A ; BOWEN MICHAEL A ; ERTZ LAWRENCE J ; KOPF BRUCE A ; LEIMKUEHLER SCOTT W ; MARTIN DEAN A ; ROTTER CHAD J

Inventor(s): ROTTER CHAD ; MARTIN DEAN ; LEIMKUEHLER SCOTT ; KOPF BRUCE ; ERTZ LAWRENCE ; BOWEN MICHAEL

Agent(s): FINLAYSON AND SINGLEHURST; MCKEE VOORHEES AND SEASE PLC ATTN MAYTAG WHIRLPOOL; LAFRENZ MICHAEL D; GOODWIN KIRK W; KIRK W; MICHAEL D; GOODWIN KIRK; KIRK; MCKEE VOORHEES AND SEASE; MCKEE VOORHEES AND SEASE PLC

International class (IPC 8–9): B60H1/32 B67D5/62 B67D7/80 F25C1/24 F25C5/00 F25C5/16 F25C5/18 F25D23/00 F25D23/02 F25D23/04 F25D23/12 F25D27/00 F25D31/00 (Advanced/Invention); F25D27/00 (Advanced/Non–invention); B67D7/80 F25C1/22 F25C5/00 F25D23/00 F25D23/12 (Core/Invention)

CPC: F25C5/18 F25D31/002 F25D23/126 F25D2500/02 F25D23/028 F25D2323/021 F25C5/005 F25C5/002 F25D27/00

European class: F25C5/00B2 F25D23/12B R25D27/00 R25D500/02

US class: 1/1 141/362 222/146.6 222/146.600S 222/504 251/129.12 362/92 362/96 62/264 62/340 62/344 62/344P 62/389 62/389S 62/449 D15/89

Locarno class: 15/07

Classification Explorer

Cited documents: WO08135473 A2, WO04085937 A1, WO03102481 A1, USD672376 S1, USD582443 S1, USD549745 S1, USD484150 S1, USD372739 S1, USD324869 S1, US8117863 BB, US8011202 BB, US7980089 BB, US7870754 BB, US7703297 BB, US7617698 BB, US7610774 BB, US7591141 BB, US7587910 BB, US7418831 BB, US7418830 BB, US7340914 BB, US7316121 BB, US7284390 BB, US7266972 BB, US7228703 BB, US7228702 BB, US7219509 BB, US7194868 BB, US7185507 BB, US7137272 BB, US7100379 BB, US7076967 BB, US7065975 BA, US7059693 BB, US7040111 BB, US7040110 BB, US7007500 BB, US6978626 BB, US6964352 BB, US6964177 BB, US6945068 BB, US6895767 BB, US6836083 BB, US6804974 BA, US6804083 BB, US6789634 BA, US6735959 BA, US6726341 BB, US6679082 BA, US6595021 BB, US6574982 BA, US6533003 BA, US6425425 BB, US6299025 BA, US6188029 BA, US6186306 BA, US6135173 A, US6095673 A, US6082130 A, US6050097 A, US5967371 A, US5941619 A, US5860564 A, US5836669 A, US5822955 A, US5819547 A, US5768900 A, US5701235 A, US5542265 A, US5535600 A, US5526854 A, US5526843 A, US5474213 A, US5473911 A, US5447256 A, US5437391 A, US5405054 A, US5353689 A, US5307250 A, US5299716 A, US5273219 A, US5272888 A, US5211462 A, US5117654 A, US5112477 A, US5077985 A, US5056688 A, US5037004 A, US4872318 A, US4851662 A, US4706169 A, US4462437 A, US4333588 A, US4276750 A, US4227383 A, US4209999 A, US4090641 A, US4069545 A, US3942334 A, US3902331 A, US3789620 A, US3640088 A, US36300 A, US3572053 A, US3561231 A, US3537132 A, US3476295 A, US3399809 A, US3248011 A, US2751757 A, US2717505 A, US2689669 A, US2548641 A, US2011271706 AA, US2010287970 AA, US2010257887 AA, US2010199701 AA, US2010077789 AA, US2010058796 AA, US2010050681 AA, US2010050677 AA, US2010037631 AA, US2009255289 AA, US2009173098 AA, US2009064704 AA, US2009064703 AA, US2009038330 AA, US2008289355 AA, US2008168794 AA, US2008134709 AA, US2008041090 AA, US2008016900 AA, US2008011010 AA, US2007245762 AA, US2006266055 AA, US2006201189 AA, US2006090496 AA, US2006086132 AA, US2006086131 AA, US2006086130 AA, US2006086129 AA, US2006086128 AA, US2005268638 AA, US2005061017 AA, US2005056043 AA, US2005044874 AA, US2005036300 AA, US2004237565 AA, US2004216765 AA, KR9525387 A, KR300355715 S, KR20050117536 A, KR20050094673 A, KR20050028658 A, KR20050028657 A, KR20050028656 A, KR20050028227 A, KR20050023863 A, KR20040102570 A, KR200400571587, KR20030092871 A, KR20030030961 A, KR20030018246 A, KR200256596 Y1, KR200164305 Y1, KR19990182534 B1, KR19990156726 B1, KR1999007058 A, KR19990056269 A, KR19990034649 A, KR19990031599 U, KR19990021510 U, KR1999001784 A, KR19970059690 A, KR19960018479 A, KR19940011915 A, KR19880000896 A, KR100356542 B1, JP9303944 A2, JP9145210 A2, JP8271110 A2, JP8061824 A2, JP7305946 A2, JP7301479 A2, JP7294115 A2, JP7174453 A2, JP7019701 A2, JP6147743 A2, JP6011228 A2, JP56047453 A2, JP51021165, JP5079367 U, JP5071849 A2, JP5066084 A2, JP5010660 A2, JP50069644 A2, JP49077571 B4, JP4222378 A2, JP4032673 B2, JP4015477 A2, JP3545617 B2, JP2103382 A2, JP2029589 A2, JP2006105418, JP2004053092 A2, JP2003262438 A2, JP2003121043 A2, JP2003114075 A2, JP2003010896 A2, JP2002181429 A2, JP2002139271 A2, JP2001349657 A2, JP2001116410 A2, JP2000337760 A2, JP2000266458 A2, JP2000161830 A2, JP2000111229 A2, JP2000009372 A2, JP11211308 A2, JP11101544 A2, EP1519131 A1, EP1517103 A2, EP1482263 A2, EP0449061 A2, CN1412509 A, CN1340685 A,

Forward Citations: WO13012730, WO13012730, WO12023721, WO11162550, WO11162550, WO11139116, WO11139116, WO11080048, WO11054070, WO11054070, WO10100916, WO10052656, WO10023090, WO10023090, WO09075524, USD765180, USD697094, USD694297, USD694296, USD694295, US9719711, US9664432, US9606785, US9581382, US9506682, US9488406, US9341404, US9291382, US9284179, US9273890, US9243841, US9175894, US9073743, US9033192, US8966927, US8944534, US8881951, US8857206, US8756951, US8713960, US8690027, US8667808, US8656730, US8640485, US8640484, US8640483, US8615929, US8596085, US8511106, US8418496, US8413460, US8376184, US8336331, US8336325, US8333305, US8333223, US8333081, US8328054, US8261570, US8201715, US8196426, US8191378, US8146783, US8141748, US8141747, US8141382, US8113248, US8074466, US8069887, US8042708, US8024940, US8006502, US8001796, US7928331, US7874460, US7866165, US7832224, US7757732, US7743623, US2014230481, US2014124688, US2014042186, US2013146612, US2013026184, US2012324915, US2012017512, US2011167862, US2011139817, US2011139304, US2011132021, US2011083457, US2011023525, US2011005258, US2010319389, US2010307184, US2010223946, US2010218526, US2010200621, US2010175417, US2010147012, US2010132835, US2010122547, US2010101257,

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Abstract:
Source: US2006144074A A refrigerator having a forward projecting dispenser that extends forward a front panel of the door. The door has an outer door pan with an outer door cavity and an inner liner having an inner liner cavity. An ice chute may be placed through both the inner liner cavity and the outer door cavity to move ice to the forward projecting dispenser. The dispenser may have a housing that positions a control panel and water outlet forward the front panel. The dispenser may extend to the door handle of the refrigerator or beyond the handle. The distance the dispenser extends forward the front panel of the door is minimized using a slight diagonal rear side of the dispenser housing.

0) US2011131735A – WASHING MACHINE AND WASHING METHOD

26) Family number: 49043995 (US2011131735A) © PatBase

Title: WASHING MACHINE AND WASHING METHOD

Priority: CA20102723556 20101202 KR20090120596 20091207 KR20090120597 20091207 KR20090120598 20091207

Family:

Publication number	Publication date	Application number	Application date
AU2010249192 AA	20110623	AU20100249192	20101206
AU2010249192 BB	20130307	AU20100249192	20101206
CA2723556 AA	20110607	CA20102723556	20101202
CA2723556 C	20140211	CA20102723556	20101202
CN102086582 A	20110608	CN201010584003	20101207
CN102086582 B	20131204	CN201010584003	20101207
KR101663516 B1	20161007	KR20090120598	20091207
KR101680033 B1	20161212	KR20090120597	20091207
KR101687548 B1	20161219	KR20090120596	20091207
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KR20110064133 A	20110615	KR20090120597	20091207
KR20110064134 A	20110615	KR20090120598	20091207
US2011131735 AA	20110609	US20100961230	20101206
US9249535 BB	20160202	US20100961230	20101206
US9284674 BB	20160315	US20100961230	20101206

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Inventor(s):(std)**:** CHO KI CHUL ; CHO KICHUL ; KICHUL CHO ; KIM YONG TAE ; KIM YONGTAE ; PARK SOON AN ; PARK SOONAN ; SOONAN PARK ; YONGTAE KIM

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; BIRCH STEWART KOLASCH AND BIRCH LLP

International class (IPC 8–9)**:** A47L15/42 D06F23/04 D06F33/02 D06F35/00 D06F37/00 D06F37/12 D06F37/26 D06F37/30 D06F37/36 D06F39/00 D06F39/08 D06F39/12 D06L1/20 (Advanced/Invention)

CPC: A47L15/4212 D06F39/081 D06F33/02 D06F37/12 D06F1/02 D06F37/26 D06F39/08 D06F39/12 D06F17/00 D06F39/002 D06F39/004

European class: D06F33/02 Y02B40/56

US class: 1/1 68/13.00RS 68/13R 8/137 8/137P

Classification Explorer

Cited documents: US5722560 A, US5515702 A, US4765698 A, US3874403 A, US3200388 A, US3096781 A, US2676477 A, US2676477, US2676476 A, US2010126235 AA, US2009134301 AA, US2009057527 AA, US2008068189 AA, US2007101512 AA, US2007044519 AA, US2006218976 AA, US2006081014 AA, US2004163185 AA, US2004123633 AA, KR20090106061 A, KR20090106061, KR20060025736 A, KR20060023757 A, KR20060013462 A, KR20060013462, KR20050066528 A, KR20050066528, KR20040046958 A, KR20030055973 A, KR20030055973, KR20000065940 A, KR20000065940, KR100513033 B1, KR100513033 B1, KR100423981 B1, KR100336392 B1, JPS5834160 B4, JP58034160 B4, JP58034160 B2, JP2004305707 A2, JP2004305707, JP1208549, FR1591008 A, EP1329546 A1, DE4040716 A1, DE2820470 A1, DE2820470,

DE102007056425 A1

CN1690290 A, CN1520480 A, 28A, 2005.06.30, ;CN,

Forward Citations: US9328444, US2015061560, US2014317954, US2012186614, KR101546953, CN104342889,

Abstract:
Source: US2011131735A Provided are a washing machine and a washing method. The washing machine includes a cabinet, an outer tub disposed in the cabinet and provided with an opened top through which wash water is supplied into the outer tub, an inner tub that is disposed in the outer tub to receive laundry and rotates about a vertical axis, a base that supports the cabinet and stores the wash water that is splattered from the outer tub by rotation of the inner tub, and an electrode sensor that is disposed on the base to detect the wash water splattered out of the outer tub.

0) US2012222212A – SELF–RIMMING APRON–FRONT SINK

27) Family number: 51884133 (US2012222212A) © PatBase

Title: SELF–RIMMING APRON–FRONT SINK

Priority: CN201280021594 20120301 US20110310481 20111202 US20110449589P 20110304 US20110325768 20111214 US20140486332 20140915 US20160296834 20161018 WO2012US27318 20120301 WO2012US27303 20120301 US20160349890 20161111

Family:

Publication number	Publication date	Application number	Application date
CN103501656 A	20140108	CN201280021594	20120301
CN103501656 B	20151125	CN201280021594	20120301
CN103502543 A	20140108	CN201280021521	20120301
CN103502543 B	20160330	CN201280021521	20120301
CN105297844 A	20160203	CN201510661178	20120301
CN105297844 B	20170630	CN201510661178	20120301
EP2680722 A1	20140108	EP20120711994	20120301
EP2681369 A1	20140108	EP20120713414	20120301
US2012222212 AA	20120906	US20110310481	20111202
US2012222213 AA	20120906	US20110325768	20111214
US2015000031 AA	20150101	US20140486332	20140915
US2017037606 AA	20170209	US20160296834	20161018
US2017058497 AA	20170302	US20160349890	20161111
US8844070 BB	20140930	US20110310481	20111202
US9492010 BB	20161115	US20110325768	20111214
US9492011 BB	20161115	US20140486332	20140915
WO12121975 A1	20120913	WO2012US27303	20120301
WO12121979 A1	20120913	WO2012US27318	20120301

Probable Assignee: KOHLER CO

Assignee(s):(std)**:** BOOTH SHAWN J ; GIEFER JAMES S ; KOHLER CO ; MILLER JASON R

Inventor(s):(std)**:** MILLER JASON R ; GIEFER JAMES S ; BOOTH SHAWN J

Agent(s): WIGHTMAN DAVID ALEXANDER; FOLEY AND LARDNER LLP; SPROW MARCUS W ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47B77/06 A47K1/04 B23P17/00 B23P17/04 E03C1/18 E03C1/32 E03C1/322 E03C1/33 (Advanced/Invention); E03C1/18 E03C1/33 (Advanced/Non–invention)

CPC: Y10T29/49826 Y10T29/49947 E03C1/33 A47B77/06 E03C1/18 E03C1/335

European class: E03C1/18 E03C1/33B K47B77/06

US class: 248/213.2 29/428 29/525.01 4/619 4/630 4/631 4/648

Classification Explorer

Cited documents: WO0052270 A2, USD700301 S1, USD558311 S1, USD524078 S1, USD523940 S1, USD518560 S1, USD501541 S1, USD498520 S1, USD394487 S1, USD358457 S1, USD353652 S1, USD313068 S1, US6793190 BB, US6785918 BB, US6782593 BA, US6745416 BB, US6564398 BA, US5931151 A, US5201306 A, US5070554 A, US5016297 A, US4878257 A, US4016608 A, US4002383 A, US3813707 A, US3231903 A, US3095580 A, US3051160 A, US3040338 A, US3029446 A, US3001209 A, US2996730 A, US2897516 A, US2878091 A, US2818579 A, US2646575 A, US2629880

A, US2505828 A, US2035301 A, US2023692 A, US2010301175 AA, US2008313804 AA, US2008313803 AA, US2008196158 AA, US2006195981 AA, JP5009966 A2, FR2632838 A1, EP2088250 A2, EP1598489 A1, DE8535539 U, DE8535539, DE4034926 A1,

DE102006006404 A1

CN2678459 Y, CN201704756 U, CN201232235 Y, CN1699764 A, CA2622792 AA, BE483814 A,

Forward Citations: US9689151, US9637898, US9290919, US9133609, US9055846, US2015108310, US2014060450, US2013061389, CN104790481, CN104790480, CN104790479, CN104790474, CN104790474,

Abstract:
Source: US2012222212A A self−rimming sink is provided. The self−rimming sink includes a basin and a rim extending outwardly from an upper end of the basin in a relatively horizontal orientation. The rim is configured to be placed on top of a countertop for supporting the sink The self−rimming sink also includes an apron coupled to the rim and defining a front portion of the sink The apron has a front surface extending vertically below the rim and laterally between a first side surface and an opposite second side surface. The first and second side surfaces each having a front vertical lip that extends laterally to an outer periphery of the rim and a rear side wall portion. The rear side wall portion is recessed relative to the front vertical lip and the outer periphery of the rim.

0) US2004211209A – REFRIGERATOR WATER SUPPLY SYSTEMS

28) Family number: 31170998 (US2004211209A) © PatBase

Title: REFRIGERATOR WATER SUPPLY SYSTEMS

Priority: US20030466152P 20030428 US20040828714 20040421 US20050298342 20051209

Family:

Publication number	Publication date	Application number	Application date
US2004211209 AA	20041028	US20040828714	20040421
US2006086133 AA	20060427	US20050298342	20051209
US6973803 BB	20051213	US20040828714	20040421
US7188486 BB	20070313	US20050298342	20051209

Probable Assignee: OLIVE BENTLEY J

Assignee(s):(std)**:** OLIVE BENTLEY J ; OLIVE LEANNE C

Inventor(s):(std)**:** OLIVE BENTLEY J ; OLIVE LEANNE C

Inventor(s): OLIVE BENTLEY ; OLIVE LEANNE

Agent(s): BENTLEY J OLIVE; BENTLEY J

International class (IPC 8–9)**:** B67D1/00 B67D1/08 B67D1/12 B67D3/00 B67D5/62 B67D7/80 F25C1/00 F25D23/12 (Advanced/Invention); B67D1/00 B67D3/00 B67D7/80 F25C1/00 F25D23/12 (Core/Invention)

International class (IPC 1–7)**:** B67D5/62 F25C1/00 F25D17/00

CPC: B67D1/0009 B67D1/0858 B67D1/0871 B67D1/12 B67D3/0009 B67D3/0029 F25C2400/10 F25C2400/14 F25D23/126 F25D2323/122 F25D2400/06

European class: B67D1/00E4 B67D1/08D2 B67D1/08E B67D1/12 B67D3/00C B67D3/00H F25D23/12B R25C400/10 R25C400/14 R25D323/122 R25D400/06

US class: 62/338 62/339 62/340 62/348 62/348P 62/389 62/389S 623/390

Classification Explorer

Cited documents: US6610339 BA, US6460367 BA, US6349733 BA, US6158305 A, US6039219 A, US5918773 A, US5907958 A, US5819547 A, US5813245 A, US5791523 A, US5753289 A, US5743106 A, US5715699 A, US5697222 A, US5542265 A, US5490547 A, US5405052 A, US5297401 A, US5156021 A, US5083442 A, US3834178 A, US3803870 A, US3570266 A, US3511415 A, US3208641 A, US3032722 A, US2914218 A, US2811021 A, US2761288 A, US2751757 A, US2274409 A, US2032722 A, US2030291 A, US2027092 A,

Forward Citations: WO11000072, WO10055478, WO10055478, WO06062491, WO06062491, US9494362, US9360239, US9310122, US9302897, US9170040, US8938985, US8783055, US8499577, US8104304, US7698900, US2014283542, US2013233888, US2012060540, US2011068128, US2010293986, US2010236273, US2010229592, US2010147008, US2008104977, US2006112715, KR101754365, KR101754360, DE102016000375, CN102472548, CN102472548, CN102401529,

Abstract:
Source: US2004211209A Refrigerator Water Supply Systems. A refrigerator is provided according to the present invention. The refrigerator can include a cabinet including at least one wall and a door pivotally mounted to the at least one wall to define a refrigeration compartment. The refrigerator can also include a first water supply line extending into the cabinet and adapted to interface with a removable water supply. Further, the refrigerator can include a mount attached to the cabinet and positioned to hold the removable water supply in the refrigeration compartment for interfacing the first water supply line.

0) US2007080102A – WATER FILTER FOR REFRIGERATOR WATER DISPENSER

29) Family number: 34381295 (US2007080102A) © PatBase

Title: WATER FILTER FOR REFRIGERATOR WATER DISPENSER

Priority: US20050248809 20051012 US20070782723 20070725 US20120604774 20120906

Family:

Publication number	Publication date	Application number	Application date
BRPI0604260 A	20070612	BR2006PI04260	20061011
EP1775538 A2	20070418	EP20060121867	20061006
EP1775538 A3	20140730	EP20060121867	20061006
EP1775538 B1	20160810	EP20060121867	20061006
PL1775538 T3	20161230	PL20060121867T	20061006
US2007080102 AA	20070412	US20050248809	20051012
US2008011008 AA	20080117	US20070782723	20070725
US2012324936 AA	20121227	US20120604774	20120906
US7261815 BB	20070828	US20050248809	20051012
US8282820 BB	20121009	US20070782723	20070725
US8496823 BB	20130730	US20120604774	20120906

Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** ALLARD PAUL B ; AMARAL CLAITON E ; CUR NIHAT O ; HEINZLE MARCOS ; KAHWAJI MICHAEL A ; MURPHY TIMOTHY T ; WU GUOLIAN ; WHIRLPOOL CO

Assignee(s): WHIRLPOOL CORP

Inventor(s):(std)**:** ALLARD PAUL B ; AMARAL CLAITON E ; CUR NIHAT O ; HEINZLE MARCOS ; MURPHY TIMOTHY T ; KAHWAJI MICHAEL A ; WU GUOLIAN ; MURPHY TIMOTHY

Inventor(s): MARCOS HEINZLE ; MICHAEL A KAHWAJI ; NIHAT O CUR ; PAUL B ALLARD ; TIMOTHY T MURPHY ; KAHWAJI MICHAEL ; GUOLIAN WU ; CLAITON E AMARAL ; CUR NIHAT ; AMARAL CLAITON ; ALLARD PAUL

Agent(s): GUERCI ALESSANDRO; WHIRLPOOL PATENTS COMPANY– MD 0750; WHIRLPOOL PATENTS CO MD 0750; KIRK; MICHAEL D; KIRK W; ROBERT L

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO RS SE SI SK TR

International class (IPC 8–9): B01D27/08 B01D35/14 B01D35/147 B01D35/153 F25D23/12 F25D31/00 (Advanced/Invention); B01D35/14 (Core/Invention)

CPC: F25D23/126 F25D2201/14 F25D2323/121

European class: F25D23/12B R25D201/14 R25D323/121

US class: 210/175 210/186 210/232 210/234 210/235 210/235P 210/238 210/249 210/443 62/318 62/332 62/338 62/338P 62/389 62/390

Classification Explorer

Cited documents: WO03102481 A1, US8282820 BB, US7442301 BB, US7261815 BB, US7228701 BB, US6351958, US6314745, US6286324, US6082130, US6050097, US5715699 A, US5707518 A, US5320752 A, US5135645 A, US5083442 A, US4915831 A, US423157, US3982406 A, US2354272 A, US2229850 A, US2008258597 AA, US2007080102 AA, US2004211717 AA, US2001023843 AA, JP3043398 A2, EP1139045 A2,

Forward Citations: WO14053956, WO10066557, WO10066557, USD722132, US9687762, US9656880, US9579438, US9568230, US9533894, US9366388, US9353981, US9345995, US9297573, US9274020, US9222721, US9170040, US9149745, US8955349, US8911623, US8844307, US8746003, US8627675, US8556321, US8496823, US8282820, US8240159, US2015211784, US2014263066, US2014041409, US2014000303, US2012324938, US2012324936, US2012211412, US2012210743, US2012210740, US2011314859, US2011185762, US2011146327, US2011036765, US2010326114, US2010326112, US2010270225, US2010264078, US2008011008, EP2339277, CN104703669, CN102908818, CN102908818, CN101839611, CN101769666,

Abstract:
Source: US2007080102A A water dispenser in a refrigerator door can include a filter casing in the door opening into the bottom of the dispenser housing. The filter casing can include a top wall positioned in the bottom of the dispenser housing, a head assembly at the bottom of the filter casing connected to the water supply and to a water outlet in the dispenser, and can include a filter casing drain. A filter cartridge in the filter casing can connect to the head assembly. The filter casing can include a filter retainer mounted adjacent the opening into the filter casing and can hold the filter cartridge connected to the head assembly in a first position and can release the filter cartridge in a second position. The filter casing can include a drain line leading from the filter casing drain to a pan outside the refrigerated space.

0) US2014034152A – WATER STORAGE FENCE APPARATUS

30) Family number: 55718999 (US2014034152A) © PatBase

Title: WATER STORAGE FENCE APPARATUS

Priority: US20120562504 20120731

Family:

Publication number	Publication date	Application number	Application date
AU2013101769 AD	20161006	AU20130101769	20130718
AU2013207624 AA	20140220	AU20130207624	20130718
US2014034152 AA	20140206	US20120562504	20120731

Probable Assignee: DRUMMOND PETER

Assignee(s):(std)**:** DRUMMOND PETER ; DRUMMOND PETER A

Inventor(s):(std)**:** DRUMMOND PETER ; DRUMMOND PETER A

Agent(s): WADESON

International class (IPC 8–9)**:** B65D90/02 E03B1/04 E03B11/02 E03B3/02 E04H17/16 (Advanced/Invention)

CPC: E03B3/03 E04H17/1404 Y10T137/6991

US class: 137/363

Classification Explorer

Cited documents: US8474195 BA, US8302937 BB, US8074405 BA, US6102375 A, US5890702 A, US5873383 A, US5730179 A, US5122008 A,

Forward Citations: WO15130667, US9562353, US9279271, US8973313, US2015143757, US2013104994,

Abstract:
Source: US2014034152A A water storage fence apparatus for collecting, storing, and apportioning use of rainwater diverted therein, said water storage fence apparatus including a plurality of interconnectable fencing sections configured to be erectable around the boundary of an extant property, each of said fencing sections having a first storage tank and a second storage tank disposed within, wherein a plurality of joining pipes and a plurality of T junction pipes interconnect each of the plurality of fencing sections, wherein rainwater is storable within the first and second storage tank of each of the plurality of fencing sections and said rainwater drainable therefrom, as desired.

0) US2002069868A – ROOFTOP WATER HEATER

31) Family number: 29933145 (US2002069868A) © PatBase

Title: Rooftop water heater

Priority: US20000732472 20001207 US20020274183 20021018 US20030369421 20030218 WO2001US43864 20011114 WO2003US18524 20030612

Family:

Publication number	Publication date	Application number	Application date
AU2002248139 AA	20020716	AU20020248139	20011114
AU2003239992 AA	20040513	AU20030239992	20030612
AU2003239992 AH	20080306	AU20030239992	20030612
CA2431330 AA	20030605	CA20012431330	20011114
CA2502422 AA	20050414	CA20032502422	20030612
MXPA03005067 A1	20030905	MX2003PA05067	20011114
MXPA05004116 A1	20050622	MX2005PA04116	20030612
US2002069868 AA	20020613	US20000732472	20001207
US2003041554 AA	20030306	US20020274183	20021018
US2003123863 AA	20030703	US20030369421	20030218
US6591788 BB	20030715	US20000732472	20001207
US6679014 BB	20040120	US20020274183	20021018
US7277627 BB	20071002	US20030369421	20030218
WO02053985 A2	20020711	WO2001US43864	20011114
WO02053985 A3	20030213	WO2001US43864	20011114
WO02053985 B1	20030501	WO2001US43864	20011114
WO04038296 A2	20040506	WO2003US18524	20030612
WO04038296 A3	20080110	WO2003US18524	20030612

Probable Assignee: AOS HOLDING CO

Assignee(s):(std)**:** AKKALA MARC W ; AOS HOLDING CO ; FIELD KEVIN M ; HUGHES DENNIS R ; MEYER RANDY T

Assignee(s): AOS HOLDING COMPANY

Inventor(s):(std)**:** FIELD KEVIN M ; HUGHES DENNIS R ; AKKALA MARC W ; MEYER RANDY T

Inventor(s): RANDY T MEYER ; DENNIS R HUGHES ; KEVIN M FIELD ; MARC W AKKALA

Agent(s): SMART AND BIGGAR; MICHAEL BEST AND FRIEDRICH LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47J27/00 E03B11/02 E03B5/02 F24H1/18 F24H1/20 F24H1/28 F24H9/00 F24H9/02 F24H9/06 F24H9/12 F24H9/14 F24H9/16 F28D20/00 (Advanced/Invention); F24H1/20 F24H9/02 F24H9/06 F24H9/12 F28D20/00 (Core/Invention)

International class (IPC 1–7): E03B11/02 E03B5/02 E04B1/00 E04C2/52 F04C2/52 F24B0/00 F24B7/00 F24H0/00000 F24H1/00 F24H1/18 F24H1/20 F24H9/00 F24H9/02 F24H9/06 F24H9/12 F24H9/14 F24H9/16

CPC: F24H1/206 F24H1/28 F24H9/02 F24H9/06 F24H9/122 F28D20/0034 Y02E60/142

European class: F24H1/20C2 F24H1/28 F24H9/02 F24H9/06 F24H9/12C F28D20/00C Y02E60/14B

US class: 122/13.01 122/14.22 122/149 122/18.3 122/18.300S 122/19.2 122/19.200S 126/100 126/638 392/307 392/441 392/449 392/449P 52/220.1 52/220.8 52/220.800S 52/741.1

Classification Explorer

Cited documents:

US6062174 A, US5915960 A, US5761379 A, US5749415 A, US5713310 A, US5582026 A, US4981112 A, US4938204 A, US4917077 A, US4875465 A, US4867106 A, US4809523 A, US4785792 A, US4771762 A, US4637347 A, US4501232 A, US4497281 A, US4414464 A, US4344645 A, US4232656 A, US3903868 A, US3028843 A, US1847431 A, JP2000304351 A2,

Forward Citations: WO16024005, US9587403, US9033254, US8879897, US8851022, US8783581, US8606093, US8113153, US8024871, US7836856, US7699026, US7634977, US6866036, US2012079995, US2012048257, US2009179079, US2009151653, US2009052932, US2008127505, US2008087234, US2005022804, US2003226561, TWI591302, EP2336668, EP2336668, EP1813881,

Abstract:
Source: US2002069868A A water heater adapted to be mounted on the rooftop of a building includes a substantially cylindrical tank having a horizontally−oriented longitudinal axis. A U−shaped flue tube has a burner end and an exhaust end, both ends being mounted in a head portion of the tank. The legs of the flue tube define a flue plane that is preferably angled 30 degrees −60 degrees with respect to vertical. An inlet tube and an outlet tube also extend through the head of the tank. The inlet tube is positioned at the bottom of the tank and has holes that open downwardly only; the outlet tube is positioned at the top of the tank and has holes that open upwardly only. The tank is weather−tightly enclosed by a cabinet. A base member of the cabinet is supported by a roof curb and supports the water tank. The base member includes a drain opening for draining water from the inside the cabinet to the sewage system of the building, and a water pipe opening through which extend a plurality of pipes communicating with the tank. A grommet weather−tightly seals the pipes with respect to the base member.

0) US2014182685A – DRAIN DEVICE FOR WASHING MACHINE

32) Family number: 56826045 (US2014182685A) © PatBase

Title: DRAIN DEVICE FOR WASHING MACHINE

Priority: EP20130194156 20131122 KR20120154985 20121227

Family:

Publication number	Publication date	Application number	Application date
CN103898717 A	20140702	CN201310528970	20131030
CN103898717 B	20160608	CN201310528970	20131030
DE602013003746 D1	20151217	DE201360003746T	20131122
EP2749686 A1	20140702	EP20130194156	20131122
EP2749686 B1	20151104	EP20130194156	20131122
KR20140084944 A	20140707	KR20120154985	20121227
US2014182685 AA	20140703	US20130080498	20131114

Probable Assignee: DONGBU DAEWOO ELECTRONICS CORP

Assignee(s):(std)**:** DONGBU DAEWOO ELECTRONICS ; DONGBU DAEWOO ELECTRONICS CORP

Assignee(s): DONGBU DAEWOO ELECTRONICS CORPORATION

Inventor(s):(std)**:** KIM IN DONG

Agent(s): MICHALSKI HUETTERMANN AND PARTNER PATENTANWAELTE MBB; MICHALSKI HUETTERMANN AND PARTNER PATENTANWAELTE MBB

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class(IPC 8–9)**:** A47L15/42 D06F39/08 (Advanced/Invention)

CPC: D06F39/083 Y10T137/0318 Y10T137/85978 D06F39/08

US class: 137/1 137/565.01

Classification Explorer

Cited documents: US5997518 A, US4482299 A, US3612095 A, US2010095989 AA, KR20080100542 A, KR20030056714 A, EP0437735 A1, DE8008161 U, CN2372344 Y,

Forward Citations: US9255358, US2014182161,

Abstract:
Source: US2014182685A A drain device for a washing machine includes a water storage unit connected to a tub and configured to receive wash water discharged from the tub; a drain pipe connected to the water storage unit and extending to an outside of a cabinet; and a supply pipe connected to the water storage unit and guiding external air to an inlet of the drain pipe.

0) US2017050836A – WATER DISPENSER

33) Family number: 64975790 (US2017050836A) © PatBase

Title: WATER DISPENSER

Priority: KR20150118211 20150821

Family:

Publication number	Publication date	Application number	Application date
CN106466121 A	20170301	CN201610685295	20160818
IN201614026169 A	20170407	IN201614026169	20160730
KR20170022774 A	20170302	KR20150118211	20150821
US2017050836 AA	20170223	US20160200214	20160701
WO17034145 A2	20170302	WO2016KR07142	20160701
WO17034145 A3	20170622	WO2016KR07142	20160701

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** LG ELECTRONICS INC

Inventor(s):(std)**:** SHIC YOON ; YOON SHIC

Agent(s): PARK JANG WON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A47J31/46 A61B17/04 B01D35/00 B01D35/04 B01D35/30 B67D1/00 B67D1/10 B67D1/16 (Advanced/Invention)

CPC: B01D35/04 B01D35/00 B01D35/30 B67D1/0081 B67D1/0864 B67D1/0888 B67D1/0895 B67D1/16 B67D2210/00031 B67D2210/00039 B67D2210/00044 B67D2210/00049 B67D2210/00062 B67D2210/00094 B67D2210/00118 B67D1/0004

US class: 222/108

Classification Explorer

Cited documents: US2013292316 AA, US2013037469 AA, US2010243542 AA, US2007102344 AA, KR20150004669 A, KR101381803 B1,

Forward Citations: USD792145,

Abstract:
Source: US2017050836A A water dispenser is provided. The water dispenser may include a main body, a rotator installed to be rotatable in a horizontal direction in the main body and including a water discharger, a rotation guide rail having a predetermined curvature within the main body, and a rotation guide protrusion provided in the rotator and slidably coupled to the rotation guide rail to guide rotation of the rotator.

0) US2012255580A – CLEANING APPARATUS AND CLEANING METHOD

34) Family number: 49150224 (US2012255580A) © PatBase

Title: CLEANING APPARATUS AND CLEANING METHOD

Priority: JP20090295147 20091225 WO2010JP07503 20101224

Family:

Publication number	Publication date	Application number	Application date
CN102686141 A	20120919	CN201080059331	20101224
EP2517612 A1	20121031	EP20100838985	20101224
JP2011077747 A1	20130502	JP20110547326T	20101224
US2012255580 AA	20121011	US20100518280	20101224
WO11077747 A1	20110630	WO2010JP07503	20101224

Probable Assignee: PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO LTD

Assignee(s):(std)**:** MATSUSHITA ELECTRIC INDUSTRIAL CO LTD ; PANASONIC CORP ; TSUJIMURA SATOSHI

Assignee(s): PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO LTD

Inventor(s):(std)**:** TSUJIMURA SATOSHI ; SATOSHI TSUJIMURA

Agent(s): SCHWABE SANDMAIR MARX; OGURI SHOHEI ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47L15/42 A47L15/46 B08B3/02 B08B3/10 B08B7/04 F24H1/18 (Advanced/Invention); F24H1/18 (Advanced/Non–invention)

CPC: A47L15/4285 A47L15/0047 A47L15/4291 A47L2401/34 A47L2501/06 A47L2501/26 Y02B40/44

European class: A47L15/00C4 A47L15/42M A47L15/42R K47L401/34 K47L501/06 K47L501/26 Y02B40/44

US class: 134/18 134/57R

Classification Explorer

Cited documents: US2013205814 AA, JP2006314503 A2, JP2006170542 A2, JP2006158027 A2, JP2006029745 A2, JP2005135738 A2, CN201093773 Y,

Forward Citations: WO13098008, WO12124371, JP5699705, JP2012195991, CN103487128,

Abstract:
Source: US2012255580A A cleaning apparatus includes: a first storage unit; and a heating unit configured to heat the cleaning liquid stored in the first storage unit. The cleaning apparatus further includes: a signal reception unit configured to receive a surplus power generation notification signal; a heating control unit configured to control the heating unit to heat the cleaning liquid stored in the first storage unit when the surplus power generation notification signal is received; a second storage unit configured to introduce therein, at non–cleaning time, the cleaning liquid stored in the first storage unit and heated by the heating unit, and to store the introduced cleaning liquid with heat insulation; and a cleaning liquid spraying unit configured to introduce therein the cleaning liquid stored in the first storage unit or the second storage unit, and to spray the introduced cleaning liquid.

0) US2007204647A – WATER ROUTING SYSTEM FOR REVERSIBLE DOOR REFRIG...

35) Family number: 35999366 (US2007204647A) © PatBase

Title: WATER ROUTING SYSTEM FOR REVERSIBLE DOOR REFRIGERATOR WITH DISPENSER

Priority: CA20072573323 20070104 US20060367832 20060303

Family:

Publication number	Publication date	Application number	Application date
CA2573323 AA	20070903	CA20072573323	20070104
EP1830144 A2	20070905	EP20070250562	20070213
EP1830144 A3	20130123	EP20070250562	20070213
US2007204647 AA	20070906	US20060367832	20060303
US7578141 BB	20090825	US20060367832	20060303

Probable Assignee: WHIRLPOOL CORP

Assignee(s):(std)**:** ARGUMEDO SINUHE ; DEIG MATTHEW P ; KLITZING FRANK W ; LEATHERWOOD KEVIN R ; WHIRLPOOL CO ; WILSON JEFFREY N ; PUTHIYAVEETIL SOORAJ

Assignee(s): WILSON JEFFREY NEIL ; WHIRLPOOL CORP

Inventor(s):(std)**:** ARGUMEDO SINUHE ; DEIG MATTHEW P ; DIEG MATTHEW P ; LEATHERWOOD KEVIN R ; PUTHIYAVEETIL SOORAJ ; SMALE JEFFREY J ; STEFFENHAGEN MARK G ; KLITZING FRANK W ; WILSON JEFFREY N ; WILSON JEFFREY NEIL

Inventor(s): LEATHERWOOD KEVIN ; WILSON JEFFREY ; KLITZING FRANK ; DEIG MATTHEW

Agent(s): KIRBY EADES GALE BAKER; Nicholls Michael John; WHIRLPOOL PATENTS COMPANY – MD 0750, SUITE 102; WHIRLPOOL PATENTS CO MD 0750 SUITE 102; KIRK W; GREER BURNS AND CRAIN LTD

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO RS SE SI SK TR

International class(IPC 8–9)**:** A47B96/04 B67D5/62 B67D7/80 F25D11/00 F25D23/02 F25D23/12 (Advanced/Invention); A47B96/00 B67D7/80 F25D11/00 F25D23/02 F25D23/12 (Core/Invention)

CPC: E05D11/0081 E05Y2800/10 F25D23/126 E05D7/1044 F25D2323/022 E05Y2900/31

European class: F25D23/12B P05D7/10C R25D323/022

US class: 222/146.6 312/326 312/401 312/401S 312/405 62/389 62/389P 62/440 62/440S

Classification Explorer

Cited documents: US7316124 BB, US7281391 BB, US6868692 BB, US5960518 A, US5787724 A, US2665414 A, US2004206106 AA, US2004182104 AA,

Forward Citations: WO14194954, WO12010426, WO10029094, WO10029094, US9482043, US9383133, US8336975, US8267492, US8033623, US2016123055, US2016010385, US2015247665, US2014115825, US2010283366, US2010026155, US2009289536, US2009229297, US2009044562, US2008290775, EP2274562, CN102505905,

Abstract:
Source: US2007204647A A refrigerator having an in–door water dispenser and a water routing system is provided with a cabinet. A door is reversibly hinged to the cabinet at either a first edge or a second edge. A water supply line leads from a water reservoir and has a first connection at a first top front corner of the cabinet and a second connection at a second top front corner. A feeder line leads from the dispenser to a top surface of the door with an end at one of the first door edge and the second door edge. When the door is hinged along the first edge, the end of the feeder line is connected to the first connection and when the door is hinged along the second edge, the end of the feeder line is connected to the second connection.

0) US2010326062A – COMPRESSED AIR ENERGY STORAGE SYSTEM UTILIZING ...

36) Family number: 47930612 (US2010326062A) © PatBase

Title: COMPRESSED AIR ENERGY STORAGE SYSTEM UTILIZING TWO–PHASE FLOW TO FACILITATE HEAT EXCHANGE

Priority:

CN201080013689	20100628	EP20100800272	20100628	US20100294396P	20100112
US20090221487P	20090629	JP20110553178	20100628	JP20140091298	20100628
US20100701023	20100205	US20100358776P	20100625	US20100348661P	20100526
US20100347312P	20100521	US20100347056P	20100521	US20100320150P	20100401
US20100306122P	20100219	US20100695922	20100128	US20100701080	20100205
US20100868720	20100825	US20100868716	20100825	US20100701146	20100205
US20100701032	20100205	US20100868705	20100825	US20100868683	20100825
US20100868701	20100825	US20110187393	20110720	US20110196069	20110802
US20110217242	20110825	US20110010683	20110120	US20100868695	20100825
US20100823944	20100625	US20100701039	20100205	US20100730549	20100324
US20110222838	20110831	US20110221889	20110830	US20110293882	20111110
US20110293866	20111110	US20110270167	20111010	US20120355455	20120120
US20120402816	20120222	US20120360779	20120129	US20120293892	20120706
US20120555011	20120720	US20120560853	20120727	US20120660942	20121025
US20120689647	20121129	US20120689651	20121129	US20120660936	20121025
US20110270068	20111010	US20130746204	20130121	US20110284850	20111028
US20130775091	20130222	US20120617334	20120914	US20120616812	20120914
US20120356188	20120123	US20130914401	20130610	US20130887235	20130503
US20130938656	20130710	US20130938639	20130710	US20130952440	20130726
US20130971057	20130820	US20130027089	20130913	US20130967281	20130814
US20140465550	20140821	US20140533963	20141105	WO2010US40240	20100628
WO2010US31915	20100421	WO2012US21923	20120119	US20150645298	20150311
US20160170038	20160601	US20160241540	20160819		

Family:

Publication number	Publication date	Application number	Application date
CA2749975 AA	20110120	CA20102749975	20100628
CA2798756 AA	20121106	CA20122798756	20120119
CN102365458 A	20120229	CN201080013689	20100628
CN102365458 B	20140903	CN201080013689	20100628
CN103370495 A	20131023	CN201280007642	20120119
CN103370495 B	20160302	CN201280007642	20120119
CN104612755 A	20150513	CN201410380127	20100628
DE112010002759 T5	20121220	DE201011002759T	20100421
DE602010030221 D1	20160303	DE201060030221T	20100628
EP2449259 A2	20120509	EP20100800272	20100628
EP2449259 A4	20141022	EP20100800272	20100628
EP2449259 B1	20160113	EP20100800272	20100628
EP2665895 A2	20131127	EP20120737132	20120119
IN01544MN2011 A	20120727	IN2011MN01544	20110723
IN02544MN2012 A	20140620	IN2012MN02544	20121108
JP2012523514 T2	20121004	JP20110553178T	20100628
JP2014185640 A2	20141002	JP20140091298	20140425
JP2014509359 T2	20140417	JP20130550589T	20120119
JP2016008613 A2	20160118	JP20150140174	20150714
JP5537572 B2	20140702	JP20110553178T	20100628
JP5781192 B2	20150916	JP20140091298	20140425
JP6124349 B2	20170510	JP20130550589T	20120119
KR101533371 B1	20150702	KR20127002515	20100628
KR101533372 B1	20150703	KR20157000860	20100628
KR20120112363 A	20121011	KR20127002515	20100628
KR20140015334 A	20140206	KR20137021802	20120119

KR20150023737 A	20150305	KR20157000860	20100628	
US2010326062 AA	20101230	US20100701080	20100205	
US2010326064 AA	20101230	US20100701023	20100205	
US2010326066 AA	20101230	US20100868720	20100825	
US2010326068 AA	20101230	US20100701039	20100205	
US2010326069 AA	20101230	US20100695922	20100128	
US2010326075 AA	20101230	US20100868716	20100825	
US2010329891 AA	20101230	US20100701032	20100205	
US2010329903 AA	20101230	US20100823944	20100625	
US2010329909 AA	20101230	US20100701146	20100205	
US2011023488 AA	20110203	US20100868705	20100825	
US2011023977 AA	20110203	US20100868683	20100825	
US2011030359 AA	20110210	US20100868695	20100825	
US2011030552 AA	20110210	US20100868701	20100825	
US2011115223 AA	20110519	US20110010683	20110120	
US2011233934 AA	20110929	US20100730549	20100324	
US2011314800 AA	20111229	US20110196069	20110802	
US2011314804 AA	20111229	US20110187393	20110720	
US2012017580 AA	20120126	US20110222838	20110831	
US2012019009 AA	20120126	US20110217242	20110825	
US2012023919 AA	20120202	US20110221889	20110830	
US2012042772 AA	20120223	US20110284850	20111028	
US2012055147 AA	20120308	US20110293882	20111110	
US2012057996 AA	20120308	US20110293866	20111110	
US2012067036 AA	20120322	US20110270068	20111010	
US2012090314 AA	20120419	US20110270167	20111010	
US2012118137 AA	20120517	US20120355455	20120120	
US2012119514 AA	20120517	US20120356188	20120123	
US2012255292 AA	20121011	US20120402816	20120222	
US2012260645 AA	20121018	US20120360779	20120129	
US2012269651 AA	20121025	US20120293892	20120706	
US2012286522 AA	20121115	US20120555011	20120720	
US2012291989 AA	20121122	US20120560853	20120727	
US2013001958 AA	20130103	US20120616812	20120914	
US2013009408 AA	20130110	US20120617334	20120914	
US2013047597 AA	20130228	US20120660936	20121025	
US2013104533 AA	20130502	US20120660942	20121025	
US2013108480 AA	20130502	US20120689647	20121129	
US2013111895 AA	20130509	US20120689651	20121129	
US2013126014 AA	20130523	US20130746204	20130121	
US2013168961 AA	20130704	US20130775091	20130222	
US2013276440 AA	20131024	US20130914401	20130610	
US2013291529 AA	20131107	US20130887235	20130503	
US2013291960 AA	20131107	US20130938656	20130710	
US2013294943 AA	20131107	US20130938639	20130710	
US2013307269 AA	20131121	US20130952440	20130726	
US2013333373 AA	20131219	US20130971057	20130820	
US2014026549 AA	20140130	US20130027089	20130913	
US2015033724 AA	20150205	US20140465550	20140821	
US2015054291 AA	20150226	US20140533963	20141105	

US2015184641 AA	20150702	US20150645298	20150311	
US2016273529 AA	20160922	US20160170038	20160601	
US2016356421 AA	20161208	US20160241540	20160819	
US8037677 BB	20111018	US20100701023	20100205	
US8037679 BB	20111018	US20100701080	20100205	
US8061132 BB	20111122	US20100868701	20100825	
US8065873 BB	20111129	US20100701039	20100205	
US8065874 BB	20111129	US20100868695	20100825	
US8087241 BB	20120103	US20100868720	20100825	
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US8196395 BB	20120612	US20100823944	20100625	
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US8201403 BB	20120619	US20110187393	20110720	
US8215105 BB	20120710	US20100868683	20100825	
US8215106 BB	20120710	US20110221889	20110830	
US8240142 BB	20120814	US20110196069	20110802	
US8247915 BB	20120821	US20100730549	20100324	
US8299644 BB	20121030	US20120356188	20120123	
US8353156 BB	20130115	US20110284850	20111028	
US8356478 BB	20130122	US20110293882	20111110	
US8387374 BB	20130305	US20110270068	20111010	
US8393148 BB	20130312	US20110270167	20111010	
US8436489 BB	20130507	US20110010683	20110120	
US8450884 BB	20130528	US20120555011	20120720	
US8468814 BB	20130625	US20120402816	20120222	
US8468817 BB	20130625	US20120360779	20120129	
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US8505288 BB	20130813	US20130746204	20130121	
US8516809 BB	20130827	US20120660936	20121025	
US8516810 BB	20130827	US20120355455	20120120	
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US8793989 BB	20140805	US20100701032	20100205	
US8806861 BB	20140819	US20130914401	20130610	
US8844277 BB	20140930	US20130027089	20130913	
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US9024458 BB	20150505	US20120617334	20120914	
US9382799 BB	20160705	US20140533963	20141105	
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US9444378 BB	20160913	US20130952440	20130726	
US9581140 BB	20170228	US20150645298	20150311	
WO11008321 A2	20110120	WO2010US31915	20100421	
WO11008321 A3	20110324	WO2010US31915	20100421	
WO11008325 A2	20110120	WO2010US33795	20100505	
WO11008325 A3	20110331	WO2010US33795	20100505	
WO11008500 A2	20110120	WO2010US40240	20100628	
WO11008500 A3	20110519	WO2010US40240	20100628	
WO12100094 A2	20120726	WO2012US21923	20120119	
WO12100094 A3	20121026	WO2012US21923	20120119	

Probable Assignee: LIGHTSAIL ENERGY INC

Assignee(s):(std)**:** BERLIN EDWIN P JR ; BERLIN JR EDWIN P ; BOWERS TODD ; LIGHTSAIL ENERGY INC ; FONG DANIELLE A ; MAHALATKAR KARTIKEYA ; CRANE STEPHEN E ; POURMOUSA ABKENAR AMIRHOSSEIN ; HOU YONGXI ; LIGHTSALE ENERGY INC ; LIGHSAIL ENERGY INC ; ABKENAR AMIRHOSSEIN POURMOUSA ; STAHLKOPF KARL E

Assignee(s): BERLIN EDWIN P ; GIBRALTAR BUSINESS CAPITAL LLC ; LIGHTSAIL ENERGY INC OAKLAND

Inventor(s):(std)**:** ABKENAR AMIRHOSSEIN POURMOUSA ; AMIRHOSSEIN POURMOUSA ABKENAR ; BERLIN EDWIN P ; BERLIN EDWIN P JR ; BERLIN JR EDWIN P ; BOWERS TEDD ; BOWERS TODD ; CRANE STEPHEN E ; FONG DANIELLE ; FONG DANIELLE A ; HOU YONGXI ; KARTIKEYA MAHALATKAR ; MAHALATKAR KARTIKEYA ; POURMOUSA ABKENAR AMIRHOSSEIN ; POURMOUSA ABKENNAR AMIRHOSSEIN ; STAHLKOFF KARL E ; STAHLKOPF KARL E ; TODD BOWERS ; YONGXI HOU ; STEPHEN E CRANE ; POURMOUSA ABKENAR AMIR HOSSEIN ; EDWIN P BERLIN JR ; DANIELLE A FONG

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP; ZENZ PATENTANWAELTE PARTNERSCHAFT MBB; NOBLE NICHOLAS; AMPACC LAW GROUP PLLC; CHO STEVE Y; CHO STEVE

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B05B1/00 B05B1/02 F01B1/00 F01B15/02 F01B17/02 F01B21/02 F01B21/04 F01B23/08 F01B23/10 F01B25/02 F01B25/10 F01B29/04 F01B29/10 F01B31/00 F01B9/02 F01C1/00 F01C1/02 F01C1/16 F01C1/34 F01C13/00 F01D15/10 F01K13/02 F01K21/02 F01K21/04 F01K23/10 F01K25/00 F01K25/06 F01K25/10 F01K27/00 F01K3/02 F02C1/02 F02C1/04 F02C6/16 F02D25/00 F02G1/04 F02G1/043 F02G1/05 F03B11/00 F03C1/00 F03D11/00 F03D11/02 F03D11/04 F03D5/00 F03D9/00 F03D9/02 F03G7/00 F04B17/00 F04B17/02 F04B35/02 F04B39/00 F04B39/06 F04B39/12 F04B41/02 F04B41/04 F04B49/00 F04B49/22 F04B9/123 F04B9/127 F04D29/58 F15B1/00 F15B1/02 F15B1/027 F15B1/08 F15B1/26 F15B11/06 F15B11/08 F15B13/00 F15B13/04 F15B13/042 F15B13/044 F15B13/16 F15B15/00 F15B15/02 F15B15/20 F15B21/04 F15B21/14 F16D25/00 F16D31/02 F16L3/00 F16L53/00 F17C13/02 F17C13/04 F17C5/00 F17D1/02 F24H3/00 F24J3/08 F25B13/00 F25B27/00 F25B9/00 G05B15/02 G05D7/00 G05F3/06 H02J1/00 H02J1/10 H02J15/00 H02K7/18 H02P9/04 (Advanced/Invention); F03C1/00 F15B1/02 F28D20/00 H02J1/10 (Advanced/Non–invention)

CPC: F04B39/06 F15B13/00 F05B2260/406 Y02E10/728 F17D1/02 F04B41/02 F15B1/02 F02G1/05 F01C13/00 F01B17/022 H02J15/006 F01K25/10 Y02E50/12 Y02T50/678 F15B15/20 F15B15/02 F15B2015/208 Y02B10/30 F15B1/265 F15B1/00 H02K7/1815 F01B23/10 F01B15/02 F01B9/02 F01B29/10 F05B2260/40311 Y02E10/725 Y02E10/726 Y02E60/15 Y02E60/17 Y10T137/0318 Y10T137/0379 Y10T137/6579 F03G7/00 F01D15/10 F02C1/02 F02C6/16 F03G2007/00 F01K13/02 F01K25/06 F01K27/00 F28D20/00 F15B1/024 Y02E60/74 F03D13/20 Y10T137/6416 Y10T137/8593 Y10T307/50 Y10T307/735 F04B17/02 F04B49/22 G05B15/02 F01B17/02 F03D15/00 F17C5/002 F15B1/08 F15B11/08 F15B13/042 F15B13/044 F04B39/0005 F04B39/12 F17C13/026 F17C13/04 F15B2211/50554 F15B2211/20538 H02P9/04 F03D9/001 F03D9/002 F03D9/25 Y10T137/6851 F03D9/17 F03D9/28 Y02B10/70 F01B21/02 B05B1/02 F01B29/04 F03C1/00

European class: F01K13/02 F01K25/06 F01K25/10 F01K27/00 F03D11/04 F03D9/00B F03D9/02D F04B17/02 H02J15/00D R05B260/40311 R05B260/406 Y02B10/30 Y02E10/72 Y02E10/72J Y02E10/72N Y02E50/12 Y02E60/15 Y02E60/17 Y02E70/30

US class: 1/1 137/1 137/12 137/12S 137/334 137/340 137/343 137/343S 137/561R 165/45 165/48.1 239/518 239/589 239/589S 290/1.00RP 290/1R 290/43 290/44 290/4D 290/52 290/52P 290/55 290/55S 290/7 290/7P 307/151 307/43 307/87 415/124.1 417/228 417/237 417/26 417/266 417/280 417/280P 417/321 417/321S 417/330 417/330S 417/334 417/334S 417/398 417/398P 417/438 417/438P 417/438S 417/53 417/53P 417/53S 60/325 60/325P 60/327 60/327P 60/329 60/329P 60/370 60/371 60/375 60/375S 60/398 60/398P 60/407 60/408 60/408P 60/408S 60/412 60/413 60/413P 60/413S 60/415 60/415P 60/415S 60/416 60/416S 60/417 60/418 60/418S 60/456 60/509 60/517 60/517P 60/517S 60/522 60/525 60/525P 60/650 60/650P 60/659 60/659P 60/659S 62/121 62/121S 700/282 91/418 91/418S 91/462 91/462P 91/5 91/5P 92/144 92/144P

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Forward Citations: WO17066826, WO17044658, WO17035110, WO17021509, WO16167910, WO16160856, WO15188160, WO15124771, WO15123784, WO15109232, WO15093034, WO15076951, WO15051190, WO14171911, WO14154715, WO14141162, WO14134555, WO13155491, WO13148707, WO13138667, WO13102128, WO13071134, WO13059522, WO13043754, WO13025582, WO12175178, WO12128924, WO12096938, WO12030741, US9728814, US9719682, US9719514, US9718341, US9708977, US9689309, US9675719, US9670841, US9664299, US9660450, US9634169, US9631815, US9631542, US9618261, US9618013, US9617914, US9611756, US9603957, US9599070, US9599021, US9587510, US9581140, US9581081, US9574496, US9568025, US9563207, US9563203, US9559386, US9551292, US9551219, US9546800, US9528465, US9520618, US9512759, US9512741, US9502737, US9463417, US9444378, US9430734, US9399950, US9385646, US9382801, US9382799, US9353940, US9353682, US9341383, US9334756, US9320711, US9316178, US9312522, US9297362, US9283181, US9273681, US9273630, US9267504, US9260966, US9243585, US9234534, US9229437, US9222712, US9222671, US9222372, US9220677, US9194401, US9175810, US9166139, US9163786, US9157635, US9140475, US9140273, US9127884, US9109614, US9109512, US9109511, US9062548, US9057265, US9052252, US9051834, US9038595, US9027321, US8997475, US8996222, US8991536, US8991169, US8984857, US8978766, US8978380, US8978264, US8973847, US8965594, US8961101, US8950398, US8950199, US8919112, US8912684, US8904792, US8893487, US8893486, US8884578, US8875740, US8851043, US8850808, US8847417, US8844277, US8806866, US8806861, US8803355, US8794941, US8793989, US8770325, US8769943, US8763390, US8756928, US8739533, US8734545, US8733095, US8733094, US8726629, US8713929, US8689566, US8677744, US8667792, US8661808, US8659194, US8653686, US8627658, US8614519, US8613267, US8606420, US8601992, US8590296, US8578708, US8572959, US8567303, US8561399, US8539763, US8536726, US8525361, US8522538, US8516810, US8516809, US8505288, US8495872, US8479505, US8479502, US8474255, US8468817, US8468815, US8468814, US8457800, US8454321, US8450006, US8448433, US8436489, US8415814, US8393148, US8387375, US8387374, US8359857, US8359856, US8356478, US8353156, US8311681, US8306671, US8286659, US8278773, US8272212, US8250863, US8247915, US8245508, US8240146, US8240142, US8240140, US8237299, US8234868, US8234863, US8234862, US8225606, US8215106, US8209974, US8201403, US8196395, US8191362, US8191361, US8191360, US8181456, US8171728, US8161741, US8122718, US8117842, US8109085, US8104274, US8096117, US8046990, US8037678, US7984566, US7963110, US7958731, US2017064863, US2016280062, US2016218511, US2016197534, US2016190867, US2016069359, US2016041383, US2016036230, US2015346726, US2015321678, US2015263589, US2015263523, US2015204554, US2015184641, US2015176526, US2015145470, US2015117135, US2015114605, US2015107676, US2015091478, US2015054291, US2015033871, US2015033724, US2014379143, US2014367919, US2014351187, US2014333069, US2014318877, US2014318741, US2014262737, US2014209522, US2014208732, US2014190165, US2014157821, US2014150284, US2014130490, US2014109563, US2014102551, US2014061517, US2014060467, US2014041953, US2014026549, US2013333969, US2013333373, US2013327033, US2013307269, US2013307229, US2013298760, US2013294943, US2013291971, US2013291529, US2013276440, US2013248609, US2013209288, US2013181458, US2013139500, US2013126014, US2013111895, US2013108480, US2013104533, US2013093192, US2013074941, US2013074488, US2013047597, US2013026139, US2013018517, US2012326448, US2012297772, US2012297761, US2012291989, US2012279222,

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Abstract:
Source: US2010326062A A compressed−air energy storage system according to embodiments of the present invention comprises a reversible mechanism to compress and expand air, one or more compressed air storage tanks, a control system, one or more heat exchangers, and, in certain embodiments of the invention, a motor−generator. The reversible air compressor−expander uses mechanical power to compress air (when it is acting as a compressor) and converts the energy stored in compressed air to mechanical power (when it is acting as an expander). In certain embodiments, the compressor−expander comprises one or more stages, each stage consisting of pressure vessel (the "pressure cell") partially filled with water or other liquid. In some embodiments, the pressure vessel communicates with one or more cylinder devices to exchange air and liquid with the cylinder chamber(s) thereof. Suitable valving allows air to enter and leave the pressure cell and cylinder device, if present, under electronic control.

0) US2012246960A – CLOTHES TREATING APPARATUS HAVING HEAT EXCHANGE...

37) Family number: 52063566 (US2012246960A) © PatBase

Title: CLOTHES TREATING APPARATUS HAVING HEAT EXCHANGER CLEANING DEVICE

Priority: EP20120764467 20120327 KR20110028389 20110329 KR20110028390 20110329 KR20110028391 20110329 KR20110028397 20110329 KR20110028398 20110329 WO2012KR02226 20120327

Family:

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AU2012237107 AA	20121004	AU20120237107	20120327
AU2012237107 BB	20150917	AU20120237107	20120327
CN103547728 A	20140129	CN201280016569	20120327
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WO12134149 A2	20121004	WO2012KR02226	20120327
WO12134149 A3	20130103	WO2012KR02226	20120327

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Assignee(s): EHLDZHI EHLEKTRONIKS INK

Inventor(s):(std)**:** DZUNG KIVOOK ; HEO SEON IL ; HEO SEONIL ; JUNG KI WOOK ; JUNG KIWOOK ; KHEO SEONIL ; LEE JUN SEOK ; LEE JUNSEOK ; LI DZUNSEOK ; SHIN TAE KYU ; SHIN TAEKIU ; SHIN TAEKYU

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; TER MEER STEINMEISTER AND PARTNER PATENTANWAELTE MBB; TER MEER STEINMEISTER AND PARTNER; CARPINTERO MARIO; KED AND ASSOCIATES LLP; PARK JANG WON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): D06F25/00 D06F58/02 D06F58/04 D06F58/06 D06F58/10 D06F58/20 D06F58/22 D06F58/24 D06F58/26 D06F58/28 F26B19/00 F28G1/16 F28G15/00 (Advanced/Invention); D06F58/20 D06F58/24 (Advanced/Non–invention)

CPC: Y02B30/52 D06F58/206 D06F2058/2832 F28G1/16 D06F25/00 F28G1/00 F28G15/00 F28G15/02 D06F58/06 D06F39/005 D06F58/22 D06F58/24 D06F58/26 D06F2216/00 D06F37/26 D06F39/12 D06F58/28

US class: 34/85 34/86 68/20

Classification Explorer

Cited documents: US8438750 BB, US8182612 BB, US7665225 BB, US7624470 BB, US7055262 BB, US5226203 A, US2011277334 AA, US2010212369 AA, US2010192398 AA, US2010192397 AA, US2010101606 AA, US2010065087 AA, US2009094852 AA, US2009071033 AA, US2007028653 AA, US2005204755 AA, RU25010 U1, RU25010 U, KR20110059993 A, KR20110019095 A, KR20100032227 A, JP4671917 B2, JP2008259665 A2, GB2087029 A1, EP1584734 A2, EP0535348 A1, DE3738031 A1, CN1609326 A, CN101796244 A, CN101684605 A, CN101560724 A, CN101387072 A, CN101387059 A,

Forward Citations: WO17025117, WO16204414, WO16108795, WO15074837, WO14116002, WO14115999, US9290885, US9279211, US9163352, US8595954, US2016298280, US2016115636, US2016083896, US2012079735, KR20160149593, KR101718040, JP2014018447, FR3006334, EP3190360, EP3190219, DE102015206494, DE102015206492, CN104903507, CN103512340, CN103512339,

Abstract:
Source: US2012246960A A laundry machine having a heat exchanger cleaning device may include a cabinet, a drum provided in the cabinet, a heat exchanger for heating air to dry laundry in the drum, air conduits to circulate the air between the heat exchanger and the drum, and a control valve that controls a flow of water to the heat exchanger to clean lint deposits on the heat exchanger. An area of the heat exchanger may be divided into a plurality of regions, such that a first nozzle is coupled to the first outlet port and provided above a first region of the plurality of regions and a second nozzle is coupled to the second outlet port and provided above a second region of the plurality of regions. The control valve may selectively direct the flow of water toward the first nozzle or the second nozzle to clean a desired region.

38) Family number: 40839242 (US2007267163A) © PatBase

Title: USED PAPER RECYCLING APPARATUS AND ITS CONSTITUTENT DEVICES

Priority: CA20072586770 20070430 EP20070252054 20070518 JP20060140275 20060519
EP20100075645 20070518 EP20100075674 20070518 EP20100075673 20070518
JP20110238084 20111030 JP20110238084 20060519 JP20130028487 20130216

Family:

Publication number	Publication date	Application number	Application date
CA2586770 AA	20071119	CA20072586770	20070430
CN101074545 A	20071121	CN200710105010	20070518
CN101074545 B	20120328	CN200710105010	20070518
DE602007024151 D1	20120920	DE200760024151T	20070518
DE602007031334 D1	20130822	DE200760031334T	20070518
DE602007034604 D1	20140220	DE200760034604T	20070518
DE602007037837 D1	20140904	DE200760037837T	20070518
EP1862586 A1	20071205	EP20070252054	20070518
EP1862586 B1	20120725	EP20070252054	20070518
EP2275600 A2	20110119	EP20100075645	20070518
EP2275600 A3	20120411	EP20100075645	20070518
EP2275600 B1	20140101	EP20100075645	20070518
EP2281941 A2	20110209	EP20100075673	20070518
EP2281941 A3	20120425	EP20100075673	20070518
EP2281941 B1	20130626	EP20100075673	20070518
EP2290157 A2	20110302	EP20100075667	20070518
EP2290157 A3	20120425	EP20100075667	20070518
EP2290158 A2	20110302	EP20100075674	20070518
EP2290158 A3	20120502	EP20100075674	20070518
EP2290158 B1	20140723	EP20100075674	20070518
ES2390907 T3	20121119	ES20070252054T	20070518
IN01026DE2007 A	20071123	IN2007DE01026	20070511
JP2007308837 A2	20071129	JP20060140275	20060519
JP2012021257 A2	20120202	JP20110238084	20111030
JP2013091888 A2	20130516	JP20130028487	20130216
JP5207504 B2	20130612	JP20060140275	20060519
JP5525075 B2	20140618	JP20130028487	20130216
KR101402095 B1	20140530	KR20070048914	20070518
KR20070112074 A	20071122	KR20070048914	20070518
RU2007118452 A	20081127	RU20070118452	20070517
RU2415219 C2	20110327	RU20070118452	20070517
TH90458 A	20080710	TH20071002469	20070517
TW200801281 A	20080101	TW20070115031	20070427
TWI403630 B	20130801	TW20070115031	20070427
US2007267163 AA	20071122	US20070798104	20070510
US8449722 BB	20130528	US20070798104	20070510

Probable Assignee: SEED CO LTD

Assignee(s):(std)**:** KOYAMA YUJI ; SEED CO LTD ; SEED COMPANY LTD ; SID KO LTD ; SEED RUBBER CO LTD ; TAMAI SHIGERU

Assignee(s): SEED KK ; SID KO ; SEED COMPANY LIMITED ; SEED CO

Inventor(s):(std): TAMAI SHIGERU ; TAMAI SIGERU ; YUJI TAMAI SHIGERU KOYAMA ; YUJI KOYAMA ; KOJAMA JUDZI ; KOYAMA YUJI ; SHIGERU TAMAI

Inventor(s): KOYAMA YUJI 3 5 25 ; TAMAI SHIGERU KOYAMA YUJI

Agent(s): MARKS AND CLERK; MARKS AND CLERK LUXEMBOURG LLP; MOUNTENEY SIMON JAMES; WHITE DUNCAN ROHAN; RADER FISHMAN AND GRAUER PLLC; CHENG LAW GROUP PLLC

Designated states: AL BA DE ES FR GB HR IT MK YU

International class (IPC 8–9): D21B1/08 D21B1/14 D21B1/32 D21B1/34 D21C5/02 D21D1/20 D21D1/30 D21F1/00 D21F1/06 D21F1/10 D21F1/56 D21F11/02 D21F3/00 D21F3/08 D21F5/00 D21F5/18 D21F7/08 D21F9/00 D21F9/02 D21G1/02 D21G3/04 D21H17/01 (Advanced/Invention); D21B1/08 D21C5/02 D21H17/01 (Advanced/Non–invention); D21B1/00 D21C5/02 D21F1/00 D21F1/06 D21F1/10 D21F3/00 D21F5/00 D21F9/00 D21H17/00 (Core/Invention)

International class (IPC 1–7): D21B1/32 D21C5/02

CPC: Y02W30/646 Y02W30/648 D21B1/32 D21C5/02 D21C9/18 D21F9/00 D21H11/14 D21H17/01 D21B1/08

European class: D21B1/32 D21C5/02 D21F9/00 N21C9/18 N21H11/14

US class: 162/252 162/252S 162/261 162/264 162/264S 162/8

Classification Explorer

Cited documents: WO11158613 A1, WO06054570 A1, WO05054570 A1, WO0121312 A1, US6219505 BA, US5912448 A, US5567273 A, US4966651 A, US4706391 A, US4141388 A, US3357880 A, US2148613 A, US2007113994 AA, US2002152630 AA, TWI294006 B, TW340884 B, TW312722 B, JPS5240608, JP8302589 A2, JP8060570 A2, JP7214030 A2, JP6134331 A2, JP52040608 A2, JP35014558 B1, JP2086056 A2, JP2007084967 A2, JP2007023450 A2, JP2003119684 A2, JP2002069877 A2, JP2000117014 A2, JP2000034660 A2, JP10317290 A2, EP1767689 A2, EP1746201 A1, EP1746200 A1, EP0972873 A1,

Forward Citations: WO14023728, WO11070995, WO09072419, US8459461, US8157965, US2010300637, US2010200181, TWI346165, TWI346164, KR101575674, KR101117097, JP6132509, JP5906547, JP5826474, JP5679703, JP5653159, JP5586127, JP5509464, JP5426399, JP5354968, JP5354967, JP5147642, JP5001901, JP2015003387, JP2014084532, JP2012152510, JP2012082553, JP2012067406, JP2012067396, JP2012007246, JP2012001822, JP2011144457, JP2011121125, JP2011099180, JP2011032604, JP2010180512, JP2010156080, JP2010106376, JP2009299231, JP2009299230, JP2009299228, JP2009280926, GB2544498, EP2460933, EP2415930, EP2407593, EP2319982, EP2287397, EP2284313, EP2248943, EP2224057, EP2202353, EP1947236, CN104520504, CN103814170, CN103814170, CN102345239, CN102345239, CN102051832, CN101988275,

Abstract:
Source: US2007267163A A used paper recycling apparatus being installed in a room of a small shop or the like, friendly to the environment, low in running cost, and capable of maintaining a high confidentiality. The apparatus includes, in an apparatus case of furniture size, a pulp making section for manufacturing used paper pulp by macerating and mashing used paper, a paper making section for manufacturing recycled paper by making the used paper pulp manufactured in the pulp making section, and a control section for driving and controlling the pulp making section and paper making section, in which the pulp making section comprises a macerating unit for macerating the used paper by agitating and tearing, and a mashing unit for mashing the used paper macerated in the macerating unit, and the mashing machine of the mashing unit has mashing members rotating relatively being disposed oppositely across a slight mashing clearance, and the opposing faces of these mashing members cooperate to form a mashing action surface, and the used paper passing the mashing clearance is pressurized and mashed by the mashing action surface, and the inks forming characters and patterns on the used paper are pulverized.

0) US2017105360A – VERTICAL PLANTER FOR GROWING PLANTS

39) Family number: 61056480 (US2017105360A) © PatBase

Title: VERTICAL PLANTER FOR GROWING PLANTS

Priority: FI20140005501 20140602 WO2015FI50380 20150602

Family:

Publication number	Publication date	Application number	Application date
CA2950996 AA	20161201	CA20152950996	20150602
EP3148316 A1	20170405	EP20150730822	20150602
FI125733 B	20160129	FI20140005501	20140602
US2017105360 AA	20170420	US20150316089	20150602
WO15185801 A1	20151210	WO2015FI50380	20150602

Probable Assignee: 3GREN OY

Assignee(s):(std)**:** 3GREN OY

Assignee(s): KINGELIN TUUKKA ; NILSSON MARKUS

Inventor(s):(std)**:** KINGELIN TUUKKA ; NILSSON MARKUS

Agent(s): MARKS AND CLERK; BOCO IP OY AB

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01G31/00 A01G31/06 A01G7/06 A01G9/02 (Advanced/Invention)

CPC: Y02P60/216 A01G9/023 A01G9/025 A01G2031/006 A01G7/06 A01G31/001 A01G9/022 A01G31/06

US class: 47/62N

Classification Explorer

Cited documents: WO12066212 A1, WO11136842 A1, WO07101339 A1, US7788848 BA, KR20130086903 A, GB2481823 A1, CN102640674 A,

Abstract:
Source: US2017105360A A vertical planter for growing plants includes a frame, a plurality of support planes each having a support surface for supporting at least one plant, wherein the plurality support planes are supported by the frame and a nutrient supply system including a nutrient distribution feature for delivering liquid nutrient to the support surface of a uppermost support plane, a nutrient conducting arrangement for conducting liquid nutrient from the uppermost support plane to a lowermost support plane via the support surface of intermediate support planes, and nutrient receiving feature for receiving liquid nutrient from the support surface of the lowermost support plane.

0) US2007089450A – WATER DISPENSER ASSEMBLY AND METHOD OF ASSEMBLI...

40) Family number: 34399446 (US2007089450A) © PatBase

Title: WATER DISPENSER ASSEMBLY AND METHOD OF ASSEMBLING SAME

Priority: CA20062541395 20060330 CA20072580071 20070223 US20050258657 20051026 US20060495976 20060727

Family:

Publication number	Publication date	Application number	Application date
CA2541395 AA	20070426	CA20062541395	20060330
CA2580071 AA	20080127	CA20072580071	20070223
US2007089450 AA	20070426	US20050258657	20051026
US2007093936 AA	20070426	US20060495976	20060727
US7475555 BB	20090113	US20050258657	20051026
US7869901 BB	20110111	US20060495976	20060727

Probable Assignee: HAIER US APPLIANCE SOLUTIONS INC

Assignee(s):(std)**:** GEN ELECTRIC

Assignee(s): GENERAL ELECTRIC CO ; GENERAL ELECTRIC COMPANY ; HAIER US APPLIANCE SOLUTIONS INC ; HAMAD ABDEL ; HANLEY KENNETH ; PAEZ ERIC ; HOOKER JOHN KENNETH ; JOHNSON ERIC SCOTT ; TUMMALA ANIL KUMAR ; JANARDHANAM RAMESH ; VENKATAKRISHNAN NATARAJAN

Inventor(s):(std)**:** HOOKER JOHN K ; HOOKER JOHN KENNETH ; JANARDHANAM RAMESH ; JOHNSON ERIC S ; JOHNSON ERIC SCOTT ; PAEZ ERIC ; TUMMALA ANIL K ; TUMMALA ANIL KUMAR ; VENKATAKRISHNAN NATARAJAN ; HAMAD ABDEL ; HANLEY KENNETH

Inventor(s): HOOKER JOHN ; TUMMALA ANIL ; JOHNSON ERIC

Agent(s): CRAIG WILSON AND CO; JOHN S BEULICK 13307; ARMSTRONG TEASDALE LLP; RIDEOUT ESQ GEORGE L; GEORGE L

International class (IPC 8–9): B67D1/12 B67D5/16 B67D5/30 B67D5/34 B67D7/16 B67D7/30 B67D7/36 B67D7/80 F25C1/00 F25C1/22 F25D23/00 G06F17/00 (Advanced/Invention); F25D11/00 F25D29/00 G01F15/07 (Advanced/Non–invention); B67D1/00 B67D7/06 B67D7/08 B67D7/80 F25C1/00 F25C1/22 F25D23/00 G06F17/00 (Core/Invention); F25D11/00 F25D29/00 G01F15/00 (Core/Non–invention)

CPC: F25C2400/10 F25C2400/14 F25C2600/04 F25D23/126

European class: F25D23/12B R25C400/10 R25C400/14 R25C600/04

US class: 222/146.6 62/340 62/340P 62/389 62/389S 62/89 700/232 700/236 700/240 700/240P 700/240S

Classification Explorer

Cited documents: US7475555 BB, US6955056 BA, US6952937 BB, US6912870 BB, US6550642 BB, US6354342 BA, US6354341 BA, US6093312 A, US6041607 A, US5911744 A, US5819547 A, US5737932 A, US5551598 A, US5542450 A, US5502978 A, US5495725 A, US5419150 A, US5291004 A, US5135645 A, US5124934 A, US5038971 A, US4885943 A, US4793513 A, US4520950 A, US4487333 A, US4433701 A, US4191025 A, US4150767 A, US3765569 A, US2006196212 AA, US2005038557 AA, US2003200870 AA,

Forward Citations: WO10071953, US9661979, US9593874, US9297574, US9145976, US9032744, US8266922, US8132586, US8011537, US7869901, US2014196479, US2012111048, US2012111031, US2010229893, US2010024541, US2009165494, US2009133430, US2009069948, US2008110194, US2008072610, US2007093936, EP2205913,

Abstract:
Source: US2007089450A A water dispenser assembly used for a dispensing system includes an inlet configured to receive water from a water supply, and a flow meter in communication with the inlet. The flow meter is configured to measure an amount of water passing therethrough. A first valve is arranged in communication with the flow meter, and the first valve is configured to enable and restrict water flow to an outlet. A controller is operatively coupled to the flow meter and the first valve. The controller is configured to control the dispensing of

water based on the measured amount of water passing through the flow meter and based upon a volume error factor correction.

41) Family number: 43593171 (US2011303701A) © PatBase

Title: WATER DISPENSER WITH A RESERVOIR SYSTEM AND FAUCET MANIFOLD THEREFOR

Priority: EP20090707079 20090128 US20080006694 20080128 US20080006694P 20080128 WO2009CA00069 20090128 US20090864957 20090128

Family:

Publication number	Publication date	Application number	Application date
CA2712538 AA	20090806	CA20092712538	20090128
CN101970335 A	20110209	CN200980109167	20090128
DE602009018875 D1	20131114	DE200960018875T	20090128
EP2252543 A1	20101124	EP20090707079	20090128
EP2252543 A4	20110831	EP20090707079	20090128
EP2252543 B1	20130918	EP20090707079	20090128
JP2011510871 T2	20110407	JP20100543349T	20090128
JP5572099 B2	20140813	JP20100543349T	20090128
KR101569541 B1	20151116	KR20107018719	20090128
KR20100117085 A	20101102	KR20107018719	20090128
US2011303701 AA	20111215	US20090864957	20090128
US8857669 BB	20141014	US20090864957	20090128
WO09094754 A1	20090806	WO2009CA00069	20090128
WO09094754 A8	20100708	WO2009CA00069	20090128

Probable Assignee: CARDOMON HOLDINGS LTD

Assignee(s):(std)**:** ALGORA GERMAN ; CARDOMON HOLDINGS LTD ; LIU SHUSHENG ; NICKERSON TYLER ; ZENG BOHONG

Assignee(s): CRYSTAL MOUNTAIN ; CARDOMON HOLDINGS LIMITED

Inventor(s):(std)**:** ALGORA GERMAN ; BOHONG ZENG ; NICKERSON TYLER ; LIU SHUSHENG ; GERMAN ALGORA ; SHUSHENG LIU ; ZENG BOHONG ; TYLER NICKERSON

Agent(s): LAHRTZ FRITZ; LADAS AND PARRY LLP; VOULOUMANOS TOM

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B67D3/00 B67D5/34 B67D5/60 B67D5/62 B67D7/06 B67D7/36 B67D7/68 B67D7/78 B67D7/80 (Advanced/Invention);
B67D3/00 B67D7/36 B67D7/68 B67D7/80 (Advanced/Non–invention);
B67D3/00 B67D7/06 B67D7/78 B67D7/80 (Core/Invention)

International class (IPC 1–7): B67D5/34 B67D5/60 B67D5/62

CPC: B67D3/0009 B67D3/0022 B67D3/0029 B67D3/0038 B67D3/00 B67D7/36 B67D7/68 B67D7/80

European class: B67D3/00C B67D3/00F B67D3/00H B67D3/00K

US class: 222/146.1 222/185.1 222/185.100P

Classification Explorer

Cited documents: WO9851970 A2, WO9511194 A1, WO06092783 A2, WO06092783, US5992684 A, US5979709 A, US5911341 A, US5667103 A, US5439145 A, US5390826 A, US5192004 A, US5184476 A, US5184476, US3698603 A, US2912142 A, US2007278250 AA, US2007056314 AA, US2007056314, US2005028550 AA, US2005028550, US2005006405 AA, JP2004263961 A2, JP2003104494 A2, JP11314699 A2, JP10057953 A2, CA2160586 AA,

Forward Citations: WO12117399, WO11138656, WO11029747, US2015075197, ITTV20090174, ITBO20100276, CN104169208, CN104169208, CN103946653, CN103108829,

Abstract:
Source: US2011303701A A water dispenser is disclosed having a housing for a reservoir in communication with a faucet to draw water therefrom. A water bottle is positioned spout−down at the top of the housing or in the top section of the reservoir. Water flows to the faucet via gravity without the use of pumps and the like. The configuration of the reservoir and the positioning of conduits provides to place the faucet closer to the top of the water dispenser again without the use of pumps and the like. The faucet includes separate compartments as well as inlets and outlets so as to divert water towards a variety of water treatment apparatuses such as hot tanks, carbonators, chillers and the like. The faucet includes controllable valves which provide the user to choose between hot, cold, carbonated or otherwise treated water. The faucet and reservoir can form an assembly which can be removed from the housing without tools.

0) US2003009940A – WATER STORAGE DEVICE FOR USE WITH POTTED HOUSEP...

42) Family number: 20748632 (US2003009940A) © PatBase

Title: Water storage device for use with potted houseplants

Priority: US19970053578P 19970717 US19980055968 19980407 WO1998US14202 19980715 US20020167610 20020613 US20000713316 20001116

Family:

Publication number	Publication date	Application number	Application date
AU199885686 A1	19990210	AU19980085686	19980715
US2003009940 AA	20030116	US20020167610	20020613
US6176038 BA	20010123	US19980055968	19980407
US6536160 BA	20030325	US20000713316	20001116
US6675533 BB	20040113	US20020167610	20020613
WO9903325 A2	19990128	WO1998US14202	19980715
WO9903325 A3	19990902	WO1998US14202	19980715
WO9903325 B1	19991028	WO1998US14202	19980715

Probable Assignee: LYNN MORLIER

Assignee(s):(std)**:** MORLIER LYNN ; MORLIER LYNN WALKER ; LYNN MORLIER

Assignee(s): GREVE CHRISTOPHER G ; LYNN WALKER MORLIER ; O CONNOR RONALD M ; MORLIER LYNN W

Inventor(s):(std)**:** MORLIER LYNN ; MORLIER LYNN W ; MORLIER LYNN WALKER ; O CONNOR RONALD M ; GREVE CHRISTOPHER G

Inventor(s): LYNN WALKER MORLIER

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

International class (IPC 8–9): A01G27/06 A47G7/04 (Advanced/Invention)

International class (IPC 1–7): A01G25/00 A01G27/04

CPC: A01G27/06 A47G7/047

European class: A01G27/06 A47G7/04F

US class: 47/62R 47/66.7 47/667 47/79 47/790 47/79P 47/81

Classification Explorer

Cited documents: US918563 A, US6176038 BA, US6138411 A, US6023886 A, US5918415 A, US5860249 A, US5806241 A, US5782035 A, US5622004 A, US5535542 A, US5446994 A, US5409510 A, US5341596 A, US5193305 A, US5157868 A, US5136806 A, US4965963 A, US4829709 A, US4782627 A, US4608835 A, US4407092 A, US4339891 A, US4236352 A, US4231187 A, US4083146 A, US4048754 A, US3857196 A, US3842539 A, US3786598 A, US3739524 A, US3220144 A, US320588 A, US2810235 A, US2072185 A, US1928810 A, US1712986 A, US1251552 A, US1247766 A, US1216642 A, JP6225651 A2, JP5219845 A2, JP11032602 A2, JP10313713 A2, JP10304783 A2, JP10127177 A2, GB2040659 A1, GB2030037 A1, GB187501104 A, GB1104, FR2701808 A1,

Forward Citations: WO13071969, WO10101457, WO10042082, WO09099977, USD566615, US9599354, US9429346, US9155255, US8893432, US8528252, US8381441, US7877930, US7540473, US7281670, US7244398, US7093391, US6993869, US6675533, US6675532, US6536160, US2016050861, US2015362201, US2015237814, US2015123294, US2014208796, US2014123557, US2014048165, US2014007501, US2013212942, US2011131879, US2011036006, US2009249687, US2009064576, US2006277825, US2006185238, US2006170119, US2006131439, US2006032132, US2005183334, US2005050798, US2001029699, EP1900275,

Abstract:
Source: US2003009940A A houseplant maintenance device and methods for receiving and maintaining a potted plant. The device having a base, a water reservoir, at least one wick element, a wick holder. The wick element draws moisture or nutrients from within the reservoir and delivers it to the soil in the pot. Adjusting the wick element in the wick holder regulates the rates of moisture conductance. The wick elements include a water–impervious covering around a middle portion thereof. The base of the device includes a gasket, a support ring, and a raised lip as well as features that facilitate methods for displaying the plant, such as hanging or aligning the device. Additionally, a device and method for addition of nutrient cations to a containerized houseplant from nutrient solids of relatively low aqueous solubility. The nutrient solids dissociate in the aqueous reservoir. A wick element communicates between the aqueous reservoir and the soil of the potted plant. The wick element is capable of conducting moisture and has been chemically bonded with negative sites, as an cation exchanger. The cations dissociating in the reservoir are attracted to the negative sites on the wick element and are driven upward with the moisture conductance of the wick. The absence of cations from solution encourages more dissociation of nutrient solid's cations which ultimately collect on the wick. Periodically the wick element is immersed into a solution of sufficient ionic strength to drive the retained cations on the wick into the soil.

0) US2006096898A – SINK WITH OIL CONTENT RECOVERY FUNCTION

43) Family number: 30430965 (US2006096898A) © PatBase

Title: SINK WITH OIL CONTENT RECOVERY FUNCTION

Priority: JP20020302354 20020908 WO2003JP11340 20030905

Family:

Publication number	Publication date	Application number	Application date
AT366615 E	20070815	AT20030794247T	20030905
AU2003264384 AA	20040329	AU20030264384	20030905
BRPI0314083 A	20050705	BR2003PI14083	20030905
BRPI0314083 B1	20110823	BR2003PI14083	20030905
CN100393384 C	20080611	CN20038021277	20030905
CN1681571 A	20051012	CN20038021277	20030905
DE60314894 D1	20070823	DE20036014894	20030905
DE60314894 T2	20080313	DE20036014894T	20070905
DE60314894 T2	20080313	DE20036014894T	20030905
EP1550493 A1	20050706	EP20030794247	20030905
EP1550493 A4	20060531	EP20030794247	20030905
EP1550493 B1	20070711	EP20030794247	20030905
ES2290550 T3	20080216	ES20030794247T	20030905
HK1082698 A1	20080201	HK20060100306	20060106
HK1082698 A3	20060616	HK20060100306	20060106
IN00557DN2005 A	20090227	IN2005DN00557	20050214
IN236420 B	20091106	IN2005DN00557	20050214
JP2004022197 A1	20060105	JP20040534169	20030905
JP4496960 B2	20100707	JP20040534169T	20030905
KR100977649 B1	20100824	KR20057003933	20030905
KR20050057257 A	20050616	KR20057003933	20030905
TW200409846 A	20040616	TW20030124492	20030904
TWI316578 B	20091101	TW20030124492	20030904
US2006096898 AA	20060511	US20050524863	20050928
WO04022197 A1	20040318	WO2003JP11340	20030905

Probable Assignee: N AJP

Assignee(s):(std)**:** SATO TADAYOSHI ; TADAYOSHI SATO

Assignee(s): TI AUTOMOTIVE LLC ; TI GROUP AUTOMOTIVE SYSTEMS LLC ; HANIL USA LLC ; N AJP

Inventor(s):(std)**:** SATO TADAYOSHI ; TADAYOSHI SATO

Agent(s): LUCAS AND MERCANTI LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9):
A47B77/02 B01D17/00 B01D17/022 B01D17/025 B01D17/032 B01D21/02 B01D21/24 E03C1/182 E03C1/244 E03C1/26 E03C1/266 E03C1/28 E03C1/284 E03F5/16 (Advanced/Invention);
B01D17/022 E03C1/244 (Advanced/Non–invention);
A47B77/02 B01D17/00 B01D17/02 B01D17/025 B01D21/02 B01D21/24 E03C1/26 E03C1/28 E03F5/14 (Core/Invention);
E03C1/182 E03C1/266 E03F5/16 (Core/Non–invention);
B01D (Subclass/Invention);
A47B E03C (Subclass/Non–invention)

International class (IPC 1–7):	A47B77/02 B01D17/022 B01D17/032 B01D21/02 E03C1/182 E03C1/244 E03C1/26 E03C1/266 E03F5/16
CPC:	B01D17/00 E03C1/284 E03F5/16 B01D17/02 E03C1/244
European class:	B01D17/00 E03C1/284 E03F5/16
US class:	210/109 210/109S 210/513 210/513S 210/521 210/521S 210/97 210/97P
Classification Explorer	
Cited documents:	US911314 A, US5637234 A, US4396508 A, US4333835 A, US2284737 A, US2003033670 AA, US1164527 A, TW143295, JP9117756 A2, JP8108004, JP6126103, JP59110006 U1, JP5118064, JP2002059156, JP2001317117, JP2001248201 A, JP2001179248 A2, JP2001179248 A, JP2001162274, JP2001162106, JP2000220192 A, JP1148703 U1, JP11217861,
Forward Citations:	US7744767, US7520393, US2007108118, RU2595150, JP2007307546, ITRM20090519, CN105056579, CN104196091, CN104196091, CN102553304,

Abstract:
Source: US2006096898A A sink with an oil content recovery function, comprises a separation vessel for separating oil content from sewage water based on the difference in specific gravity between the oil content and water, a water storage vessel forming a letter U–shaped passage as a whole together with the separation vessel and storing sewage water sent from the separation vessel up to a predetermined water level, a water discharge portion for discharging water flooding from the water storage vessel, and open/close means for recovering oil content that floats in the separation vessel.

0) US2016362285A – BOTTOM–LOADING BOTTLED WATER DISPENSERS WITH HO...

44) Family number: 64367646 (US2016362285A) © PatBase

Title: BOTTOM–LOADING BOTTLED WATER DISPENSERS WITH HOT WATER SANITIZING FEATURES

Priority: US20150173307P 20150609 US20150751081 20150625 US20150857521 20150917

Family:

Publication number	Publication date	Application number	Application date
EP3103762 A1	20161214	EP20150176558	20150713
US2016362285 AA	20161215	US20150751081	20150625
US2016362286 AA	20161215	US20150857521	20150917
WO16197230 A1	20161215	WO2015CA50641	20150710
WO16197243 A1	20161215	WO2016CA50652	20160608

Probable Assignee: YUI ANDREI

Assignee(s):(std)**:** YUI ANDREI ; YUI GEORGE

Inventor(s):(std)**:** YUI ANDREI ; YUI GEORGE

Agent(s): MCQUEEN ANDREW PETER; MILTONS IP PI

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61L2/04 B67D1/00 B67D1/07 B67D1/08 B67D1/10 B67D3/00 B67D7/32 B67D7/80 B67D7/82 C02F1/02 C02F1/32 (Advanced/Invention)

CPC: B67D1/07 B67D1/0857 B67D1/0888 B67D1/0878 B67D1/10 B67D2001/075 B67D1/0014 B67D1/0858 B67D3/0009 B67D3/0022 B67D3/0029 B67D2210/00015 B67D2210/00026 B67D2210/00102 B67D2210/00118 B67D1/0009 B67D1/0895 B67D3/0038 B67D1/0859 B67D1/1277 B67D2001/1261 B67D2001/1263 B67D2210/0001 B67D2210/00013 B67D2210/00154 B67D2210/00157

US class: 222/146.1

Classification Explorer

Cited documents: WO14065078 A1, WO10076581 A2, WO05068349 A1, US6561382 BB, US6143258 A, US5441179 A, US2011315711 AA, US2009029775 AA, GB2022979 A1, EP2816004 A1, EP0963338 A1, CA2798899 AA, CA2794314 AA, CA2698177 AA, CA2592925 AA, CA2435587 AA,

Abstract:
Source: US2016362285A Bottom–loading bottled water dispensers are disclosed that include hot water sanitizing capabilities (and, optionally, UV light sanitizing features). The dispensers include a water bottle that is operably connected to a pump that is configured to extract water from the bottle and force the water through one or more tubes and into a cold tank. The cold tank includes an evaporator that is configured to chill the water in the cold tank. The dispensers further include a hot tank that is fluidly coupled to the cold tank through one or more tubes, with the hot tank being attached to a heating element that is configured to heat the water in the hot tank. In addition, the dispensers include an electronic control board that is configured to heat a volume of water contained in the cold tank above a defined threshold temperature and for a defined period of time that is effective to sanitize the internal surfaces of the cold tank.

0) US2010132688A – BUILT–IN COOKING APPLIANCE

45) Family number: 42001424 (US2010132688A) © PatBase

Title: BUILT–IN COOKING APPLIANCE

Priority: KR20070001222 20070105 KR20070002603 20070109 WO2007KR05757 20071115

Family:

Publication number	Publication date	Application number	Application date
AU2007339667 AA	20080710	AU20070339667	20071115
AU2007339667 BB	20100916	AU20070339667	20071115
CN101573562 A	20091104	CN200780049353	20071115
CN101573562 B	20110427	CN200780049353	20071115
EP2102555 A1	20090923	EP20070834063	20071115
EP2102555 A4	20150729	EP20070834063	20071115
EP2102555 B1	20170426	EP20070834063	20071115
KR100826709 B1	20080430	KR20070002603	20070109
KR20080064382 A	20080709	KR20070001222	20070105
MX2009007264 A1	20090710	MX20090007264	20071115
RU2009125564 A	20110110	RU20090125564	20071115
RU2420693 C2	20110610	RU20090125564	20071115
US2010132688 AA	20100603	US20070448725	20071115
US8881717 BB	20141111	US20070448725	20071115
WO08082075 A1	20080710	WO2007KR05757	20071115

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std): LG ELECTRONICS INC ; YI SOO CHEOL

Assignee(s): EHLDZHI EHLEKTRONIKS INK

Inventor(s):(std): I SOO CHEOL ; SOO CHEOL YI ; YI SOO CHEOL

Inventor(s): I SOO–CHEOL

Agent(s): FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; FPA PATENT ATTORNEYS PTY LTD; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; PALMER JONATHAN R; BOULT WADE TENNANT; MCKENNA LONG AND ALDRIDGE LLP; HAW YONG NOKE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): F24C1/00 F24C15/10 F24C15/30 F24C15/32 F24C7/08 H05B6/12 (Advanced/Invention); F24C15/30 F24C15/32 F24C7/08 (Advanced/Non–invention); F24C1/00 F24C15/00 F24C15/32 F24C7/08 (Core/Invention)

CPC: F24C15/30 F24C15/101 H05B6/1263 F24C15/006 F24C15/08 F24C15/108 F24C15/2007 F24F12/006

European class: F24C15/10B F24C15/30

US class: 126/1.00RP 126/1R 126/211 126/214A 126/299D 126/39H 219/432 219/450.1

Classification Explorer

Cited documents: US6297482 BA, US3797375 A, US2006144388 AA, RU42943 U1, KR200449779 Y1, KR20040049779 A, JP6338384 A2, JP6005358 A2, JP57182014 U1, JP57182014 A2, JP5121155 A2, JP3122990 A2, JP2690156 B2, JP2690156 A2, JP2021590 A2, JP2006322645 A2, JP2005265209 A2, JP11354263 A2, CN1723368 A,

Forward Citations: WO10036594, WO10036594, US8269148, CN102239365,

Abstract:
Source: US2010132688A A built−in cooking appliance includes a top plate, a main body provided under the top plate and receiving a heat source, a cabinet on which the top plate is installed, a top cover covering a space defined between a side cover of the top plate and the cabinet, an air outlet formed on the main body, a cover airflow hole provided on the top corner and providing a path along which the air discharged through the air outlet is discharged to an external side, and a storage space provided on a path an airflow path between the air outlet and the cover airflow hole and storing water introduced through the cover airflow hole.

0) US2002020187A – AUTOMATIC ICE MAKER OF THE OPEN–CELL TYPE

46) Family number: 28165075 (US2002020187A) © PatBase

Title: Automatic ice maker of the open–cell type

Priority: JP20000121498 20000421

Family:

Publication number	Publication date	Application number	Application date
DE60117428 D1	20060427	DE20016017428	20010420
DE60117428 T2	20061012	DE20016017428T	20010420
EP1150081 A2	20011031	EP20010109758	20010420
EP1150081 A3	20020320	EP20010109758	20010420
EP1150081 B1	20060301	EP20010109758	20010420
ES2254281 T3	20060616	ES20010109758T	20010420
JP2001304730 A2	20011031	JP20000121498	20000421
JP3667593 B2	20050706	JP20000121498	20000421
US2002020187 AA	20020221	US20010838568	20010420
US6453696 BA	20020924	US20010838568	20010420

Probable Assignee: HOSHIZAKI DENKI KK

Assignee(s):(std)**:** HAYAKAWA SHINSAKU ; HOSHIZAKI ELECTRIC CO LTD ; KAWASUMI MASAAKI ; KODANI MASAHIRO ; NAGASAWA SHINICHI ; TOYA CHIYOSHI

Assignee(s): HOSHIZAKI DENKI K K ; HOSHIZAKI DENKI K K TOYOAKE ; HOSHIZAKI DENKI K USHIKI KAISHA AB ; HOSHIZAKI DENKI KABUSHIKI KAISHA ; HOSHIZAKI DENKI KK

Inventor(s):(std)**:** HAYAKAWA SHINSAKU ; KAWASUMI MASAAKI ; KODANI MASAHIRO ; KOTANI MASAHIRO ; NAGASAWA SHINICHI ; TORITANI KAZUMI ; TOYA CHIYOSHI

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

International class (IPC 8–9): F25C1/04 F25C1/22 F25C5/16 (Advanced/Invention); F25C1/04 F25C1/22 F25C5/00 (Core/Invention)

International class (IPC 1–7): F25C1/00 F25C1/04 F25C1/22 F25C1/4

CPC: F25C1/045 F25C5/16

European class: F25C1/04B F25C5/16

US class: 62/344 62/347 62/348 623/440

Classification Explorer

Cited documents: US6148633 A, US6062036 A, US5941091 A, US5722244 A, US5329780 A, US4966015 A, US3430452 A, US2729070 A, JP9089426, JP62248972, JP61136278 U, JP55168173 U, JP11237149, JP11182999 A2, JP10160305, JP0989426, GB2021746 A1,

Forward Citations: US7984622, US7802444, US7281386, US7263835, US7210298, US7010933, US2011023520, US2010199701, US2007193299, US2006277928, US2006260325, US2006254285, US2004237567, US2004226311, ES2265701, EP2660157, CN104261091,

Abstract:
Source: US2002020187A An automatic ice maker of the open–cell type including a housing composed of a pair of spaced side wall panels and front and rear wall panels jointed at their opposite ends to the side wall panels, a water storage tank mounted to the bottom of the housing, a sprinkler mounted within the bottom portion of the housing and having a plurality of nozzles for spouting upward ice making water supplied from the water storage tank, a cooling pipe mounted within an ice making chamber formed in an upper portion of the housing, a plurality of ice making cell casings horizontally mounted in the ice making chamber and located above the nozzles of the sprinkler to be supplied with the ice making chamber spouted therefrom and to be cooled by refrigerant supplied into the cooling pipe, and an ice chute in the form of a lattice placed in a forwardly inclined condition between the sprinkler and the ice making cell casings to permit the ice making water spouted into the cell casings therethrough from the nozzles of the sprinkler and to receive ice cubes formed in and released from the cell casings, wherein the ice chute is detachably mounted on a forwardly inclined support portion provided on the side wall panels in the interior of the housing and retained in place by resilient engagement with the support portion, wherein the water

storage tank is supported at its opposite sides on a pair of spaced support portions integrally formed with the lower ends of tie side wall panels when inserted into a bottom space of the housing from its front and is retained in place by engagement with the support portions of the side wall panels, and wherein the sprinkler is supported and retained in place on a pair of spaced support portions integrally formed with the lower ends of the side walls and located above the water storage tank.

0) US4332040A – SELF–CONTAINED, COMPACT TOWABLE FACILITY HAVING...

47) Family number: 2334054 (US4332040A) © PatBase

Title: Self–contained, compact towable facility having maximized balanced water storage drain water collection and waste water isolation systems

Priority: CA19810372580 19810309 US19800129180 19800310 US19820383203 19820528

Family:

Publication number	Publication date	Application number	Application date
CA1155473 A1	19831018	CA19810372580	19810309
GB2071025 A1	19810916	GB19810007425	19810310
GB2071025 B2	19840830	GB19810007425	19810310
US4332040 A	19820601	US19800129180	19800310
US4454613 A	19840619	US19820383203	19820528

Probable Assignee: PALMER W A

Assignee(s):(std)**:** PALMER W A ; PALMER WILLIAM A

Inventor(s):(std)**:** PALMER WILLIAM A

Agent(s): MEREDITH AND FINLAYSON

International class (IPC 8–9)**:** B60P3/32 B60R15/00 (Advanced/Invention); B60P3/32 B60R15/00 (Core/Invention)

International class (IPC 1–7)**:** A47K4/00 B60R15/00 E03D7/00

CPC: B60P3/32 B60R15/00

European class: B60P3/32 B60R15/00

US class: 296/171 4/300 4/317 4/458 4/598 4/602 4/625

Classification Explorer

Cited documents: US3992727 A, US3668710 A, US3594825 A, US3593346 A, US3123393 A, US2817846 A, US2772420 A, US2569641 A, US2567506 A, US2544092 A, US1514157 A,

Forward Citations: USD663241, US9605424, US9366019, US9346689, US9346503, US9060652, US8931122, US8879897, US8360506, US8074933, US7882577, US7780222, US7234759, US7226115, US7172231, US7097762, US6644333, US6631941, US6317898, US5759387, US5251345, US4769863, US2014259971, US2011266763, US2011147315, US2009212161, US2007234472, US2007130686, US2004173688, FR2968686, EP0209354,

Abstract:
Source: US4332040A A self–contained, compact towable facility having sanitary components and electrical, water and gas distribution systems with minimum weight, optimum balance and a maximum volume of water adapted to be stored therein and including a frame having an axle and a tow bar adapted to be coupled to a towing vehicle, a multi–stage potable water storage and drain and waste water collection and isolation system which includes a potable water storage system, adapted to be filled by an exterior source, comprising tanks having a predetermined geometrical shape and balance over the wheels forming the axle of the trailer and wherein the tanks are positioned to have the collective center of gravity thereof located at approximately the collective center of gravity of the drain and waste water collection and isolation system.

48) Family number: 29378759 (US5669221A) © PatBase

Title: PORTABLE, POTABLE WATER RECOVERY AND DISPENSING APPARATUS

Priority: CA20012341106 20010320 US19960035753P 19961231 US19960629305 19960408 US19970035753P 19970106 US19980087892 19980529 US20000544407 20000406 US19970802489 19970220 WO1997US05665 19970405

Family:

Publication number	Publication date	Application number	Application date
AR006558 AA	19990908	AR1997P101383	19970408
AU199728003 A1	19971029	AU19970028003	19970405
BRMU8103528 Y1	20110517	BR2001MU03528U	20010404
BRPI0101316 A	20011106	BR2001PI01316	20010404
BRPI9708616 A	19990803	BR1997PI08616	19970405
CA2251095 AA	19981006	CA19972251095	19970405
CA2251095 C	20030520	CA19972251095	19970405
CA2341106 AA	20011006	CA20012341106	20010320
CA2341106 C	20070710	CA20012341106	20010320
CL1997000633 A1	19971231	CL19970000633	19970408
CL42209 B	20040730	CL19970000633	19970408
CN1122803 C	20031001	CN19971093694	19970405
CN1159083 C	20040728	CN20011010354	20010406
CN1225715 A	19990811	CN19971093694	19970405
CN1316571 A	20011010	CN20011010354	20010406
DE69734575 D1	20051215	DE19976034575	19970405
DE69734575 T2	20060727	DE19976034575T	19970405
EG21410 A	20011031	EG19970000283	19970408
EP0891523 A1	19990120	EP19970922289	19970405
EP0891523 A4	19990519	EP19970922289	19970405
EP0891523 B1	20051109	EP19970922289	19970405
EP1142835 A2	20011010	EP20010201135	20010327
EP1142835 A3	20020918	EP20010201135	20010327
ID16418 A	19970925	ID19970001176	19970408
IL126461 A0	19990817	IL19970126461	19970405
IL126461 A1	20020814	IL19970126461	19970405
IN00148CA2001 A	20051111	IN2001CA00148	20010314
IN192413 A	20040424	IN1997CA00597	19970404
MXPA98008295 A1	20030321	MX19980008295	19970405
MY134862 A	20071231	MY19970001509	19970408
TH25345 B	20090128	TH19971001320	19970408
TH35701 A	19991105	TH19971001320	19970408
TW353714 B	19990301	TW19980110896	19970630
TW552390 B	20030911	TW20010108056	20010404
US5669221 A	19970923	US19960629305	19960408
US5845504 A	19981208	US19970802489	19970220
US6058718 A	20000509	US19980087892	19980529
US6182453 BA	20010206	US20000544407	20000406
WO9738272 A1	19971016	WO1997US05665	19970405
WO9738272 C1	20030220	WO1997US05665	19970405
ZA9702974 A	19990108	ZA19970002974	19970408

Probable Assignee: WORLDWIDE WATER INC

Assignee(s):(std)**:** GLOBAL WATER INC ; WORLDWIDE WATER INC ; WORLDWIDE WATER ; WOLLMANN DAN D

Assignee(s): WORLDWIDE WATER INC US ; WORLD WIDE WATER INC ; DROUGHT MASTERS INC ; FORSBERG FRANCIS C ; LEBLEU MR TERRY LYLE ; LEBLEU STEPHEN M ; LEBLEU STEPHEN M SUITE ; LEBLEU TERRY LYLE ; LOU O HARDING

Inventor(s):(std)**:** LEBLEU MILAN STEPHEN ; TERRY L LEBLEU ; WOLLMANN DAN D ; LEBLUE TERRY L ; LEBLEU TERRY LYLE ; LEBLEU TERRY L ; LEBLEU TERRY ; LEBLEU STEPHEN M ; FUSBURG FRANCIS C ; FORSBERQ FRANK C ; FORSBERG FRANK CHANDLER ; FORSBERG FRANK C ; FORSBERG FRANCIS C ; BLEU LE TERRY LYLE ; BLEU LE MILAN STEPHEN ; TURRY LAIER LUBULER ; TURRY ; LAIER LUBULER ; FRANK C FORSBERG ; FRANCISC C FOSBERG ; FRANCIS C FUSBURG

Inventor(s): FRANCIS C FORSBERG ; TERRY LYLE LEBLEU ; STEPHEN M LEBLEU ; FRANK C FORSBERQ

Agent(s): SMART AND BIGGAR; SARGENT; REINHOLD COHN AND PARTNERS

Designated states: AT AU BE BR CA CH CN CY DE DK ES FI FR GB GR IE IL IT JP KR LI LU MC MX NL NZ PL PT RO SE SG TR

International class (IPC 8–9): B01D5/00 C02F1/00 C02F1/18 C02F9/00 E03B3/28 F25B29/00 F25B49/00 F25C1/00 F25D17/00 F25D17/06 F25D21/14 F25D3/10 F28B9/08 (Advanced/Invention); C02F1/28 C02F1/32 C02F1/36 C02F1/78 (Advanced/Non–invention); B01D5/00 C02F1/00 C02F9/00 E03B3/00 F24D19/03 F25D17/06 (Core/Invention); C02F1/28 C02F1/32 C02F1/34 C02F1/78 F25B49/00 (Core/Non–invention)

International class (IPC 1–7): B01D37/00 B01D5/00 B01D63/00 B67D3/00 C02F1/00 C02F1/18 C02F1/28 C02F1/32 C02F9/00 E03B3/28 F24D19/03 F25B49/00 F25C1/00 F25D17/00 F25D17/06 F25D21/14 F25D3/10 F28B9/08

CPC: Y02W10/37 C02F1/001 C02F9/005 B01D5/0072 C02F1/008 C02F1/283 C02F1/32 C02F1/36 C02F9/00 C02F2201/009 C02F2209/008 C02F2209/02 C02F2209/40 C02F2209/42 E03B3/28 C02F1/78

European class: B01D5/00H14 C02F1/00T C02F9/00B E03B3/28 M02F1/00D M02F1/28D M02F1/32 M02F1/36 M02F1/78 M02F201/00I M02F201/00P M02F209/00T4 M02F209/02 M02F209/40 M02F209/42 M02F9/00

US class: 62/125 62/150 62/272 62/285 62/92 62/920

Classification Explorer

Cited documents: WO9812489 A1, WO0163059 A1, US6029461 A, US5857344 A, US5845504 A, US5704223 A, US5701749 A, US5669221 A, US5553459 A, US5517829 A, US5484538 A, US5398517 A, US5315830 A, US5301516 A, US5259203 A, US5250258 A, US5227053 A, US5203989 A, US5149446 A, US5106512 A, US4484315 A, US4351651 A, US4255937 A, US4204956 A, US3675442 A, US3299651 A, US3035418 A, US2996897 A, US2805560 A, EP0597716 A1,

Forward Citations: WO9943997, WO9812489, WO17003296, WO16111941, WO14048399, WO13169841, WO12162545, WO12162545, WO12120501, WO12092187, WO11146428, WO11146428, WO11134426, WO11117841, WO10146443, WO10144603, WO09045168, WO09032455, WO08070900, WO08027041, WO07062904, WO07012202, WO06090276, WO06076831, WO06052250, WO06029540, WO06004553, WO05119139, WO05119139, WO05116549, WO05116549, WO05100257, WO05060686, WO05060686, WO05057114, WO04094317, WO04094317, WO04067857, WO04052793, WO04052793, WO04028290, WO04020919, WO03078334, WO03073029, WO03064314, WO03052209, WO0227250, WO02094725, WO02094725, WO0204343, WO0184066, WO0163059, WO0130703, WO0113475, WO0113053, WO0014464, USRE44337, USRE42907, USD729342, USD729341, USD727458, USD707124, US9708113, US9707307, US9694488, US9656383, US9643768, US9617719, US9581356, US9578867, US9572454, US9561451, US9538581, US9533894, US9487414, US9446968, US9428326, US9416029, US9392646, US9389129, US9374991, US9366388, US9346687, US9316408, US9310113, US9290890, US9274020, US9266752, US9247725, US9237742, US9216914, US9212067, US9200909, US9200831, US9179703, US9115920, US9115007, US9111324, US9057557, US9046299, US9034180, US8999154, US8975596, US8952301, US8943844, US8906242, US8900459, US8878103, US8872130, US8840729, US8839631, US8828222, US8816300, US8788380, US8781736, US8764910, US8758677, US8756857, US8721898, US8720217, US8720109, US8718819, US8718817, US8685144, US8683821, US8673136, US8652412, US8650892, US8647501, US8640360, US8633425, US8627673, US8626440, US8607583, US8580351, US8549871, US8535489, US8516832,

US8505329, US8500882, US8491644, US8481970, US8480979, US8479440, US8479439, US8443794, US8366920, US8362914, US8336326, US8318027, US8309030, US8302412, US8291777, US8281608, US8226831, US8196424, US8176948, US8161769, US8158084, US8135482, US8116907, US8075652, US8056358, US8038873, US8028728, US8025186, US8015724, US8007666, US8006502, US8001796, US7954335, US7943087, US7942387, US7942011, US7940247, US7921842, US7919042, US7886557, US7886547, US7874325, US7874168, US7861544, US7854119, US7840286, US7837134, US7794592, US7766077, US7759948, US7748233, US7723253, US7713482, US7699994, US7699988, US7655150, US7641790, US7640766, US7631511, US7603861, US7596306, US7567420, US7540167, US7490739, US7481234, US7437887, US7422684, US7419405, US7402284, US7402241, US7389651, US7378015, US7373787, US7365982, US7332075, US7328818, US7306716, US7293420, US7272947, US7258803, US7257951, US7241388, US7214023, US7175760, US7175054, US7160566, US7157802, US7143600, US7114637, US7089763, US7043934, US7029587, US6993928, US6945063, US6934602, US6931756, US6924495, US6895771, US6863827, US6857746, US6828499, US6779358, US6765941, US6755037, US6711961, US6705104, US6694748, US6694093, US6684648, US6644060, US6621838, US6619061, US6612125, US6588226, US6561382, US6550264, US6532760, US6505477, US6505099, US6490879, US6487867, US6481232, US6405546, US6391191, US6378311, US6370902, US6290848, US6289690, US6257002, US6237352, US6237345, US6199395, US6182453, US6167711, US6116034, US6085540, US6058718, US6029461, US5990783, US5845504, US2017190598, US2016368752, US2016289090, US2016278424, US2016258653, US2016083936, US2015241085, US2015129607, US2014305787, US2014226960, US2014069853, US2014021220, US2013220905, US2013213865, US2013199974, US2013199221, US2013138379, US2013126403, US2013075312, US2013047655, US2012318723, US2012318722, US2012312030, US2012255219, US2012200385, US2012181235, US2012160874, US2012118145, US2012048119, US2012047911, US2011289949, US2011283730, US2011233143, US2011198209, US2011197770, US2011186526, US2011174993, US2011167670, US2011131597, US2011110815, US2011094500, US2011093122, US2011083453, US2011049394, US2011006080, US2010326646, US2010326113, US2010320147, US2010307181, US2010276114, US2010275779, US2010266742, US2010258507, US2010251755, US2010224495, US2010219958, US2010218510, US2010212348, US2010212335, US2010209313, US2010193448, US2010170284, US2010154785, US2010154216, US2010140292, US2010115950, US2010065506, US2010050882, US2010044582, US2010031759, US2010024462, US2010013112, US2010005825, US2010000931, US2009321435, US2009302027, US2009293528, US2009293513, US2009272827, US2009255874, US2009254215, US2009242074, US2009241580, US2009230059, US2009211276, US2009211275, US2009205354, US2009149987, US2009144190, US2009143900, US2009142223, US2009101594, US2009091338, US2009090430, US2009077992, US2009050572, US2009050131, US2009020624, US2009008940, US2009000316, US2008314062, US2008312598, US2008307802, US2008264877, US2008245092, US2008218131, US2008196422, US2008190827, US2008190494, US2008184720, US2008168789, US2008135495, US2008130189, US2008104978, US2008087039, US2008078190, US2008034770, US2008022694, US2008020096, US2008016886, US2008011354, US2008006582, US2007297776, US2007295021, US2007262011, US2007261823, US2007256444, US2007256414, US2007250313, US2007205308, US2007157922, US2007157636, US2007156261, US2007151929, US2007151263, US2007151020, US2007108135, US2007097640, US2007080613, US2007079624, US2007062370, US2007039345, US2007000280, US2006278085, US2006278084, US2006253246, US2006253245, US2006191960, US2006191411, US2006163126, US2006151715, US2006124440, US2006112709, US2006102733, US2006101838, US2006096300, US2006065386, US2006060233, US2006060218, US2006059922, US2006028447, US2006017289, US2006006104, US2006005561, US2005284151, US2005279679, US2005269361, US2005252230, US2005236432, US2005218083, US2005204750, US2005198989, US2005178984, US2005173320, US2005160620, US2005139552, US2005133427, US2005133420, US2005126199, US2005087554, US2005077244, US2004244398, US2004156959, US2004108280, US2004084378, US2004074252, US2004037680, US2004001182, US2004000165, US2003122455, US2003086453, US2002189273, TWI454607, RU2536375, KR101477883, KR101013128, JP2006501059, ITMI20121580, GB2467241, GB2447411, ES2379326, ES2226593, ES2215427, EP3120907, EP2833087, EP2393570, EP2393570, EP1680203, EP1478891, EP1407201, EP1407201, EP1257713, EP1239232, EP1142835, EP1056976, EP1056976, CN105369856, CN105094183, CN104831780, CN104831780, CN104614304, CN104614304, CN104481001, CN103919464, CN103422537, CN103225331, CN103225331, CN102971756, CN102400480, CN102383465, CN101967843, CN101759317, AU2006274424, AU2004232788, AU2003275209, AU2003275209,

Abstract:
Source: US5669221A A portable, potable−water generator for producing high−purity liquid water by condensation

of dew from ambient air. The generator employs filtration subsystems to remove particulates and aerosols from the incoming air. An enclosed heat absorber cools the filtered air to its dew point and collects droplets of condensate into a closed system. The collected dew is further continually treated in a bacteriostat loop to destroy adventitious living organisms and to filter out undesirable and dangerous contaminants. All the subsystems are failsafe–interlocked to disable the generator immediately and prevent delivery of water if any one of them stops functioning within predetermined safe limits.

0) US5405052A – BOTTLED–WATER DISPENSER WITH ICE MAKER AND CRUS...

49) Family number: 8528629 (US5405052A) © PatBase

Title: Bottled–water dispenser with ice maker and crusher

Priority: US19930164415 19931209 US19950413841 19950330 WO1994US14142 19941209

Family:

Publication number	Publication date	Application number	Application date
AU199515120 A1	19950627	AU19950015120	19941209
CA2178749 AA	19960610	CA19942178749	19941209
CA2178749 C	20040622	CA19942178749	19941209
US5405052 A	19950411	US19930164415	19931209
US5553744 A	19960910	US19950413841	19950330
WO9515917 A1	19950615	WO1994US14142	19941209

Probable Assignee: SAWYER III MILES G

Assignee(s):(std)**:** MILES G SAWYER III ; SAWYER III MILES G ; SAWYER MILES G ; SAWYER MILES G III

Inventor(s):(std)**:** SAWYER III MILES G ; SAWYER MILES G III

Inventor(s): MILES G SAWYER III ; SAWYER MILES G

Agent(s): MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP

Designated states: AT AU BE CA CH DE DK ES FR GB GR IE IT JP LU MC NL PT SE

International class (IPC 8–9): B67D3/00 B67D5/62 B67D7/80 F25C5/00 F25D23/12 G07F13/06 (Advanced/Invention); B67D3/00 F25C5/00 F25D23/12 G07F13/06 (Core/Invention)

International class (IPC 1–7): B67D5/08 B67D5/62

CPC: B67D3/0009 F25C5/005 F25C2700/02 F25D23/126 F25D2323/122 G07F13/06

European class: B67D3/00C F25C5/00B2 F25D23/12B G07F13/06 R25C700/02 R25D323/122

US class: 222/146.6 222/340 222/413 222/64 62/340

Classification Explorer

Cited documents: US5405052 A, US5297401 A, US5212957 A, US5112477 A, US5050777 A, US4939816 A, US4815941 A, US4207994 A, US3983583 A, US3908391 A, US3796063 A, JP5332653 A2, DE1276060 B,

Forward Citations: WO15139814, US8746296, US8656730, US8640485, US8640484, US8561655, US8534088, US8245488, US8024940, US7874460, US7874457, US7870974, US7866165, US7802444, US7743622, US7698900, US7568354, US7490739, US7426838, US7377407, US7328818, US7201014, US7188486, US6439428, US6438976, US6282916, US6176090, US6101835, US6093312, US5996852, US5683011, US5553744, US2017108880, US2016025398, US2014109770, US2011083457, US2010319806, US2010206899, US2009107166, US2009019866, US2008256973, US2008178628, US2008178627, US2008178626, US2008173037, US2008134709, US2008110931, US2007193299, US2006260346, US2006237557, US2006112715, US2006086133, US2005269361, US2004255606, TWI391113, GB2434790, GB2434790, EP2133641, EP2133638,

Abstract:
Source: US5405052A A bottled–water dispenser is capable of dispensing either cold water or ice made from purified bottled water. The bottled–water dispenser includes a cabinet having a cooling compartment and a freezer compartment. The cooling compartment is maintained above the freezing point of water. The freezer compartment is maintained below the freezing point of water. A water reservoir is mounted in the cooling compartment and receives water from an inverted water bottle mounted on top of the cabinet. The ice maker and water dispensing valves are connected by water supply lines to the reservoir. The ice maker unit includes a discharge assistant for discharging ice from a storage bin. The discharge assistant and water solenoid are activated by dispensing levers disposed on the front of the cabinet. By pressing a glass against the dispensing levers, either cold water or ice is dispensed.

0) US2008230207A – WALL ASSEMBLY, HOT–WATER SUPPLY SYSTEM AND ARCH...

50) Family number: 42114715 (US2008230207A) © PatBase

Title: WALL ASSEMBLY, HOT–WATER SUPPLY SYSTEM AND ARCHITECTURE

Priority: JP20080007313 20080116 JP20080007314 20080116 JP20080007315 20080116
US20070903327P 20070223 JP20080007346 20080116 JP20080007316 20080116
US20080072104 20080222 US20080070926 20080222

Family:

Publication number	Publication date	Application number	Application date
CN101255760 A	20080903	CN200810081044	20080222
CN101255760 B	20100616	CN200810081044	20080222
CN101285322 A	20081015	CN200810081040	20080222
CN101285322 B	20120725	CN200810081040	20080222
EP1961884 A2	20080827	EP20080003302	20080222
EP1961884 A3	20160727	EP20080003302	20080222
EP1962029 A2	20080827	EP20080003301	20080222
JP2008208702 A2	20080911	JP20080007313	20080116
JP2008208703 A2	20080911	JP20080007314	20080116
JP2008208704 A2	20080911	JP20080007315	20080116
JP2008208705 A2	20080911	JP20080007316	20080116
JP2008208706 A2	20080911	JP20080007346	20080116
JP4597197 B2	20101215	JP20080007315	20080116
JP4597198 B2	20101215	JP20080007346	20080116
JP4693848 B2	20110601	JP20080007313	20080116
JP4693849 B2	20110601	JP20080007314	20080116
JP4693850 B2	20110601	JP20080007316	20080116
US2008230207 AA	20080925	US20080072104	20080222
US2008309833 AA	20081218	US20080070926	20080222
US8297001 BB	20121030	US20080070926	20080222

Probable Assignee: SHARP KK

Assignee(s):(std)**:** NAKAMURA HIROYUKI ; SHARP KABUSHIK KAISHA ; SHARP KK ; UCHIBE MAKOTO

Assignee(s): SHARP KABUSHIKI KAISHA ; SHARP CORP ; SHARP K K

Inventor(s):(std)**:** HIROYUKI NAKAMURA ; MAKOTO UCHIBE ; NAKAMURA HIROYUKI ; UCHIBE MAKOTO ; TEZUKA YASUSHI

Agent(s): MUELLER – HOFFMANN AND PARTNER; MUELLER HOFFMANN AND PARTNER; KOHNO TAKAO; DAY PITNEY LLP

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR

International class(IPC 8–9)**:** E04B1/00 E04B1/74 E04B2/74 E04F13/074 E04F19/00 F24D3/00 F24D3/16 F24F5/00 F24H1/00 G02F1/1333 G09F9/00 H04N5/64 H04N5/655 H05K7/00 H05K7/20 (Advanced/Invention); E04B2/74 (Advanced/Non–invention); E04B1/74 E04B2/74 F24D3/12 F24F5/00 F24H1/00 G02F1/13 H04N5/655 (Core/Invention); E04B2/74 (Core/Non–invention)

CPC: E04B2/7453 E04B2002/7483 F24F5/0089

European class: E04B2/74C5 F24F5/00R P04B2/74P

US class: 165/56 348/794 348/794P 348/E05.132 348/E5.132 348/E51.32S 52/220.1 52/27

Classification Explorer

Cited documents: WO9302260 A1, WO200502307, WO07012196 A1, WO05002307 A1, US6833992 BB, US5148283 A, US4296280 A, US2006139882 AA, US2006126296 AA, US2005135068

AA, US2003214783 AA, US2001043290 AA, JP8284546 A2, JP7248480 A2, JP6088440 A2, JP4076995 A2, JP3423529 B2, JP3423529 A2, JP3127568 A2, JP3044336 U, JP3044336 A2, JP2074107 A2, JP200733792, JP2007140096 A2, JP2007033792 A2, JP200702486, JP2007002486 A2, JP2006302588 A2, JP2006302588, JP2006235914 A2, JP2006162641 A2, JP2006162641, JP2006058679 A2, JP2006058587 A2, JP2006041917 A2, JP200584270, JP2005308862 A2, JP2005308862, JP2005084270 A2, JP2005036609 A2, JP2005017413 A2, JP200447922, JP2004333526 A2, JP2004333526, JP2004081537 A2, JP2004047922 A2, JP200375858, JP2003075858 A2, JP200230750, JP2002277053 A2, JP2002277053, JP2002030750 A2, JP2001345562 A2, JP2001207571 A2, JP2001207571, JP2000337658 A2, JP2000337658, JP2000156581 A2, JP2000156581, JP200012340, JP200010501, JP2000012340 A2, JP2000010501 A2, JP1199277, JP11275727 A2, JP11275727, JP11238987 A2, JP11200533 A2, JP11200533, JP11099277 A2, JP10207385 A2, JP08284546, JP07248480, JP0688440, JP0476995, JP03127568, JP0274107,

Forward Citations: US9370266, US9273473, US8713866, US8466965, US2016331157, US2016091748, US2014352915, US2014101980, US2012127321, US2010226079, US2009091887, US2008198584, RU171652, KR101022836, JP6107092, JP5985431, JP5174638, JP2016113893, JP2014209519, JP2014109261, JP2011190569, JP2010127047, JP2010101539, ITMI20120373, DE102009030759, CN102910186, CN102910186, CN102866715,

Abstract:
Source: US2008230207A A wall assembly comprises a front plate having a window provided therein for accommodating the display screen of a display module of a thin, large−screen television receiver, a holding unit for holding a housing in which the display module is installed, a cooling jacket disposed in contact with a heat conductive sheet joined by pressure to the back side of the housing for cooling and having a flow passage through which a heat exchange medium runs, and a rear plate disposed to confront the front plate, wherein the front plate and the rear plate accommodate the holding unit and the cooling jacket for assembling with the display module.

0) AU738211B – DISHWASHER

51) Family number: 11519891 (AU738211B) © PatBase

Title: Dishwasher

Priority: AU19980057835 19980130 AU20000013630 20000131 AU20000013631 20000131 AU20000013632 20000131 AU20000013634 20000131 AU20000013633 20000131 NZ19970314155 19970130

Family:

Publication number	Publication date	Application number	Application date
AU200013630 A5	20000406	AU20000013630D	20000131
AU200013631 A5	20000406	AU20000013631D	20000131
AU200013632 A5	20000406	AU20000013632D	20000131
AU200013633 A5	20000406	AU20000013633D	20000131
AU200013634 A5	20000406	AU20000013634D	20000131
AU738211 B2	20010913	AU20000013633	20000131
AU739535 B2	20011018	AU20000013630	20000131
AU741915 B2	20011213	AU20000013634	20000131
AU742014 B2	20011213	AU20000013632	20000131
AU742511 B2	20020103	AU20000013631	20000131

Probable Assignee: FISHER AND PAYKEL

Assignee(s):(std)**:** FISHER AND PAYKEL

Assignee(s): FISHER AND PAYKEL APPLIANCES LTD ; FISHER AND PAYKEL LIMITED ; FISHER AND PAYKEL LTD

Inventor(s):(std)**:** KAZIANUS BABIS ; MAUNSELL STEVE

Inventor(s): STEVE MAUNSELL ; BABIS KAZIANUS

Agent(s): A J PARK; AJ PARK

International class (IPC 8–9)**:** A47L15/00 A47L15/08 A47L15/14 A47L15/23 A47L15/42 A47L15/44 A47L15/46 (Advanced/Invention); A47L15/00 A47L15/14 A47L15/42 A47L15/44 A47L15/46 (Core/Invention)

International class (IPC 1–7)**:** A47L15/00 A47L15/08 A47L15/14 A47L15/23 A47L15/42 A47L15/44 A47L15/46

Classification Explorer

Cited documents: WO9312706 A1, US5671991 A, US5566696 A, US5168621 A, US4412710 A, JP9010162 A2, EP0465787 A1, DE4209232 A1, DE4006621 A1, DE3330537 A1,

Abstract:
Source: AU738211B –22– ABSTRACT A dishwasher having a cabinet and wash chambers in the form of drawers which slide in and out of the cabinet. Rigid and flexible closures are disclosed for sealing off the wash chambers when retracted into the cabinet. A detergent dispenser for the dishwasher is provided in one wall of a wash chamber in the wash water discharge path into the wash chamber so that detergent powder is flushed out of the dispenser and mixed with the wash water prior to the latter being discharged into the wash chamber. A wash programme for a dual wash chamber dishwasher is also disclosed which minimises total water consumption by transferring water from one chamber to the other. ss•oo o **ooo sso o g ssooo ooooss ssoooss ssooo o

0) US2003215680A – METHOD AND APPARATUS FOR PROVIDING MODULAR POWE...

52) Family number: 29751324 (US2003215680A) © PatBase

Title: METHOD AND APPARATUS FOR PROVIDING MODULAR POWER

Priority: US20020374377P 20020422 US20030420633 20030422 WO2003US12336 20030422

Family:

Publication number	Publication date	Application number	Application date
AU2003228624 AA	20031103	AU20030228624	20030422
AU2003228624 AH	20031103	AU20030228624	20030422
CN1647307 A	20050727	CN20038009044	20030422
EP1497886 A2	20050119	EP20030726385	20030422
JP2005523568 T2	20050804	JP20030586988T	20030422
US2003215680 AA	20031120	US20030420633	20030422
US7083875 BB	20060801	US20030420633	20030422
WO03090334 A2	20031030	WO2003US12336	20030422
WO03090334 A3	20040212	WO2003US12336	20030422

Probable Assignee: PROTON ENERGY SYSTEMS INC

Assignee(s):(std)**:** PROTON ENERGY SYS INC ; PROTON ENERGY SYSTEMS INC ; SPERANZA A JOHN ; YI HERMIN ; SUMMA KIM ; TOMBAUGH PHIL ; SHIROMA IRIS ; CHRISTOPHER MATTHEW ; HALTER DEAN ; LILLIS MARK ; NOMIKOS SPYROS

Assignee(s): PERSEUS PARTNERS VII LP

Inventor(s):(std)**:** CHRISTOPHER MATTHEW ; DEAN HALTER ; HALTER DEAN ; HERMIN YI ; IRIS SHIROMA ; JOHN SPERANZA A ; KIM SUMMA ; LILLIS MARK ; MARK LILLIS ; MATTHEW CHRISTOPHER ; NOMIKOS SPYROS ; PHIL TOMBAUGH ; SHIROMA IRIS ; SPERANZA A JOHN ; SPYROS NOMIKOS ; SUMMA KIM ; TOMBAUGH PHIL ; YI HERMIN

Inventor(s): A JOHN SPERANZA

Agent(s): CANTOR COLBURN LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): H01M2/10 H01M8/00 H01M8/04 H01M8/06 H01M8/18 H01M8/24 (Advanced/Invention)

International class (IPC 1–7): H01M10/44 H01M10/46 H01M8/00 H01M8/04 H01M8/06 H01M8/18 H02J1/10 H02M

CPC: H01M8/04208 H01M8/0656 H01M8/184 Y02E60/528

European class: H01M8/04C6B H01M8/06B6 H01M8/18C Y02E60/52J

US class: 429/21 429/34 429/38 429/422 429/428 429/515 429/99

Classification Explorer

Cited documents: US6828049 BB, US6828049 BA, US6468682 BA, US6368740 BA, US6030718 A, US5401589 A, US5360679 A, US5298874 A, US4883724 A, US4778579 A, US2005004716 AA, US2004043274 AA, US2003082427 AA,

Forward Citations: WO17042604, WO13168578, WO12150174, WO07098895, WO06105385, WO06097741, WO06032359, WO06032359, US9190693, US8883362, US8709629, US8485140, US8389169, US8343674, US8003268, US7966945, US7846609, US7729812, US7399392, US2015125765, US2012015265, US2011281185, US2011159391, US2010141202, US2010104904, US2009258268, US2009104489, US2009011294, US2008296904, US2008241634, US2008233440, US2008199758, US2008171240, US2008131747, US2008131740, US2008029156, US2007243425, US2007237996, US2006222912, US2006078777, US2006006108, US2004137290, KR100786480, JP2013529354, JP2009531830, FR3002953, ES2323613, EP2775013, EP2323210,

EP1775791, EP1775791, DE102008004949, CN104584333,

Abstract:
Source: US2003215680A A modular power system having separately removable electrolysis and power modules, each with separate sets of connection ports, is disclosed. The connection port set of the electrolysis module is adapted for operable communication with a water supply, a hydrogen storage device, and the power module, and the connection port set of the power module is adapted for operable communication with the water supply, the hydrogen storage device, and the electrolysis module.

53) Family number: 28575968 (US2003097763A) © PatBase

Title: COMBINATION DEHYDRATOR AND CONDENSED WATER DISPENSER

Priority: US20010296472P 20010608 US20020167966 20020610 US20020363232P 20020312 US20070739000 20070423 US20040508105 20040911 US20020363233P 20020312 WO2003US07632 20030311 US20030508105 20030311

Family:

Publication number	Publication date	Application number	Application date
AU2003213855 AA	20030929	AU20030213855	20030311
CA2478896 AA	20040910	CA20032478896	20030311
CN1643320 A	20050720	CN20038006900	20030311
MXPA04008899 A1	20060224	MX2004PA08899	20030311
US2003097763 AA	20030529	US20020167966	20020610
US2005160620 AA	20050728	US20030508105	20030311
US2008184720 AA	20080807	US20070739000	20070423
US6931756 BB	20050823	US20020167966	20020610
WO03078909 A1	20030925	WO2003US07632	20030311
ZA200407934 A	20050926	ZA20040007934	20041001
ZA200407934 A	20051130	ZA20040007934	20041001

Probable Assignee: H20LIQUIDAIR OF FLORIDA LLC

Assignee(s):(std)**:** MORGAN MICHAEL ; MORGAN JANET ; MICHAEL MORGAN

Assignee(s): MIKE AND JANET MORGAN LLC ; MORGAN J MICHAEL ; H20LIQUIDAIR INC ; H20LIQUIDAIR INC (ALSO KNOWN LIQUID AIR INC) AS ; H20LIQUIDAIR INC ALSO KNOWN LIQUID AIR INC AS ; H20LIQUIDAIR OF FLORIDA LLC ; H2OLIQUIDAIR OF FLORIDA LLC

Inventor(s):(std)**:** JANET MORGAN ; MICHAEL MORGAN ; MORGAN JANET ; MORGAN MICHAEL

Agent(s): FB RICE; FB RICE PTY LTD; FETHERSTONHAUGH AND CO; KLEINBERG AND LERNER; HUGHES LAW FIRM PLLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): A23B7/02 C02F1/32 C02F9/10 E03B3/28 F25B39/04 F25D21/14 F26B19/00 F26B21/00 F26B21/08 F26B9/00 F26B9/06 (Advanced/Invention); F25C1/10 (Advanced/Non–invention); C02F1/32 C02F9/08 F25B39/04 F25D21/14 F26B21/00 F26B21/06 F26B9/00 (Core/Invention); F26B (Subclass/Invention)

International class (IPC 1–7): A23B7/02 E03B3/28 F25D21/14 F26B F26B19/00 F26B21/06 F26B3/00 F26B7/00

CPC: F25C1/10 F26B9/066 Y02W10/37 F26B9/003 F26B21/001 F26B21/086

European class: F26B21/00B F26B21/08C F26B9/00B F26B9/06C R25C1/10

US class: 165/61 34/202 34/428 34/468 34/469 34/469P 34/471 34/69 34/71 34/73 34/76 342/20 62/150 62/272 62/291 62/93

Classification Explorer

Cited documents: US7175054 BB, US6931756 BB, US6481232 BB, US6469308 BA, US6390378 BA, US6182453 BA, US6139726 A, US6058718 A, US6029461 A, US5857344 A, US5845504 A, US5765726 A, US5704223 A, US5701749 A, US5669221 A, US5564601 A, US5553459 A, US5517829 A, US5484538 A, US5421038 A, US5398517 A, US5366705 A, US5315830 A, US5313811 A, US5301516 A, US5259203 A, US5250258 A, US5235906 A, US5227053 A, US5203989 A, US5149446 A, US5119571 A, US5106512 A, US4505128 A, US4487337 A, US4484315 A, US4351651 A, US4255937 A, US4252003 A, US4204956 A, US4152842 A, US4067205 A, US4027727 A, US3915180

A, US3675442 A, US3299651 A, US3035418 A, US2996897 A, US2805560 A, US2062412 A, US2002125269 AA, US2002100878 AA, US1931347 A,

Forward Citations: WO11063199, WO11063199, WO10144603, WO09048421, USD698833, US9631834, US9615604, US9587870, US9561451, US9538581, US9392646, US9290890, US9084376, US9016073, US8952301, US8888963, US8878103, US8650892, US8633425, US8607583, US8359877, US8335081, US8325479, US8325478, US8302412, US8245330, US8233278, US8146265, US8117764, US8028536, US8028438, US7981254, US7908766, US7900372, US7886557, US7669350, US7272947, US7182222, US6755037, US2014260347, US2013206574, US2013125574, US2013100611, US2012060531, US2012014063, US2011214309, US2011147194, US2011048038, US2011006080, US2010307181, US2010118488, US2009302027, US2009293301, US2009241572, US2009145001, US2009127251, US2009107156, US2009077992, US2009056244, US2008245090, US2008072615, US2008047162, US2008034608, US2008022694, US2007261162, US2007170105, US2007131716, US2006124665, US2006124440, US2006070398, US2006059922, US2005284167, US2005160620, US2005098563, KR101188483, EP1817260, CN105756126, CN102712514, CN102012071, AU2010321841,

Abstract:
Source: US2003097763A A portable, atmospheric dehydrator and water condenser for dehydrating fruits and vegetables while producing pure atmospheric condensation from humidity found in the air and purifying the water for dispensing and drinking purposes.

0) WO09003213A1 – A CABINET MEUBLE LAVABO

54) Family number: 42780240 (WO09003213A1) © PatBase

Title: A CABINET

Priority: AU20070903523 20070629 AU20080271898 20080606 WO2008AU00822 20080606 AU20150200670 20150211

Family:

Publication number	Publication date	Application number	Application date
AU2008271898 AA	20090108	AU20080271898	20080606
AU2015200670 AA	20150305	AU20150200670	20150211
AU2015200670 BB	20161222	AU20150200670	20150211
WO09003213 A1	20090108	WO2008AU00822	20080606

Probable Assignee: CAROMA IND LTD

Assignee(s):(std)**:** CAROMA IND LTD ; CUMMINGS STEPHEN JOHN

Assignee(s): CAROMA INDUSTRIES LIMITED

Inventor(s):(std)**:** CUMMINGS STEPHEN JOHN

Inventor(s): STEPHEN JOHN CUMMINGS

Agent(s): SPRUSON AND FERGUSON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47B35/00 A47B77/06 A47B77/08 D06F95/00 E03C1/12 (Advanced/Invention); A47B35/00 A47B77/06 A47B77/08 D06F95/00 E03C1/12 (Core/Invention)

CPC: A47B35/00 D06F39/006 D06F39/083 E03B1/04 E03B2001/045

European class: A47B35/00 D06F39/00R D06F39/08D E03B1/04 P03B1/04B20

Classification Explorer

Cited documents: WO07002119 A1, US5232010 A, US2007174959 AA, JP2004267500, GB2314016 A1,

Abstract:
A cabinet comprising a cabinet body (12), a tub (14) and at least one liquid storage reservoir (20). The cabinet body (12) has an open end and an interior. The tub (14) is in the open end of the body (12). The at least one liquid storage reservoir (20) is within the interior of the body (12). The tub (14) has an outlet which is in selective fluid communication with an inlet to the at least one storage reservoir (20).

0) US2002029775A – METHOD AND DEVICE FOR SANITIZING BOTTLED WATER ...

55) Family number: 23225871 (US2002029775A) © PatBase

Title: Method and device for sanitizing bottled water dispensers

Priority: NO20000000335 20000121 US20010951736 20010914 WO2001NO00018 20010119 WO2001US01980 20010122

Family:

Publication number	Publication date	Application number	Application date
AU200130634 A5	20010731	AU20010030634D	20010119
AU200131035 A5	20010731	AU20010031035D	20010122
BG106950 A	20030228	BG20020106950	20020724
BRPI0107752 A	20030225	BR2001PI07752	20010122
CA2397498 AA	20020715	CA20012397498	20010122
CZ20022450 A3	20021113	CZ20020002450	20010122
EP1163014 A1	20011219	EP20010903185	20010122
EP1163014 A4	20020130	EP20010903185	20010122
HU0204244 AB	20030328	HU20020004244	20010122
IL150761 A0	20030212	IL20010150761	20010122
MXPA02007073 A1	20030619	MX2002PA07073	20010122
NO20000335 A	20010723	NO20000000335	20000121
NO20000335 A0	20000121	NO20000000335	20000121
NO311078 B1	20011008	NO20000000335	20000121
PL357263 A1	20040726	PL20010357263	20010122
RU2002122400 A	20040310	RU20020122400	20010122
US2002029775 AA	20020314	US20010951736	20010914
WO0152908 A1	20010726	WO2001NO00018	20010119
WO0152909 A1	20010726	WO2001US01980	20010122

Probable Assignee: OASIS CORP

Assignee(s):(std)**:** OASIS CORP ; SABIN STEPHEN ; SANDVOLL THORGRIM ; STENBERG SVERRE S ; BIRKEBEINERKILDEN AS

Assignee(s): HARRIS TRUST AND SAVINGS BANK AGENT AS ; OASIS COLUMBUS CORP

Inventor(s):(std)**:** STENBERG SVERRE S ; SANDVOLL THORGRIM ; SABIN STEPHEN ; SANDVOLL HORGRIM ; STENBERG SVERRE ; SANDOVAL THORGRIM

Inventor(s): THORGRIM SANDVOLL ; THORGRIM SANDOVAL ; SVERRE S STENBERG ; STEPHEN SABIN

Agent(s): GRIFFITH HACK; GOWLING LAFLEUR HENDERSON LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): A61L2/07 B08B3/00 B08B3/02 B08B9/08 (Advanced/Invention); A61L2/04 B08B3/02 B08B9/08 (Core/Invention)

International class (IPC 1–7): A61L A61L2/06 A61L2/07 B08B3/00 B67D B67D5/58 F22D7/00 F24B9/00 F24C13/00

CPC: A61L2/07 B08B3/026 B08B9/08 B08B2203/005 B08B2230/01

European class: A61L2/07 B08B3/02H B08B9/08 L08B203/00B L08B230/01

US class: 122/408.1 122/408.100S 126/361.1 126/361.100P 126/362.1 126/362.100S

Classification Explorer

Cited documents: WO9933745 A1, US6085540 A, US5649575 A, US5413152 A, US5328059 A, GB2031378 A1, DE868947 C1, DE3800181 A1, DE19901240 A1, DE19618319 A1, DE19542447 A1,

Forward Citations: WO16197242, WO11160975, WO10091920, WO03027023, FR2830005, CN103182094,

Abstract:
Source: US2002029775A A method of sanitizing a bottled water dispenser may include transporting a portable boiler to a location of a bottled water dispenser. The method also may include generating steam in the portable boiler at the location of the bottled water dispenser, and flowing steam through an outlet of the portable boiler. The method may further include flow coupling the outlet of the portable boiler with an opening of the bottled water dispenser, wherein the opening leads to a fluid flow path of the bottled water dispenser. The method may additionally include flowing steam into the fluid flow path through the opening of the bottled water dispenser, and maintaining steam flow through at least a portion of the fluid flow path for a time period sufficient to sanitize the portion of the fluid flow path. The invention may also include a device for sanitizing a bottled water dispenser with steam.

0) US2010223944A – REFRIGERATOR

56) Family number: 43152671 (US2010223944A) © PatBase

Title: REFRIGERATOR

Priority: JP20070263116 20071009 JP20070288370 20071106 JP20070316912 20071207 JP20080014625 20080125 JP20080018701 20080130 JP20080065408 20080314 JP20080091155 20080331 WO2008JP02837 20081008 JP20130134613 20130627

Family:

Publication number	Publication date	Application number	Application date
AU2008310473 AA	20090416	AU20080310473	20081008
AU2008310473 AB	20100701	AU20080310473	20081008
AU2008310473 BB	20120920	AU20080310473	20081008
AU2008310473 BI	20130530	AU20080310473	20081008
BRPI0818294 A2	20151103	BR2008PI18294	20081008
CN101874185 A	20101027	CN200880110646	20081008
CN101874185 B	20140402	CN200880110646	20081008
EP2199714 A1	20100623	EP20080837068	20081008
EP2199714 A4	20110420	EP20080837068	20081008
IN02037CN2010 A	20100917	IN2010CN02037	20100412
JP2009109175 A2	20090521	JP20080014625	20080125
JP2009115374 A2	20090528	JP20070288370	20071106
JP2009204294 A2	20090910	JP20080065408	20080314
JP2009243782 A2	20091022	JP20080091155	20080331
JP2013238392 A2	20131128	JP20130134613	20130627
JP5239456 B2	20130717	JP20080091155	20080331
JP5298503 B2	20130925	JP20070288370	20071106
JP5342157 B2	20131113	JP20080065408	20080314
JP5386827 B2	20140115	JP20080014625	20080125
NZ584547 A	20120112	NZ20080584547	20081008
RU2010113919 A	20111120	RU20100113919	20081008
RU2473025 C2	20130120	RU20100113919	20081008
US2010223944 AA	20100909	US20080682169	20081008
WO09047896 A1	20090416	WO2008JP02837	20081008

Probable Assignee: PANASONIC CORP

Assignee(s):(std)**:** MATSUSHITA ELECTRIC INDUSTRIAL CO LTD ; NAKANISHI KAZUYA ; UEDA YOSHIHIRO ; TSUJIMOTO KAHORU ; PANASONIC CORP ; ADACHI TADASHI ; KAMISAKO TOYOSHI ; MATSUSHITA ELECTRIC IND CO LTD

Assignee(s): MATSUSHITA ELECTRIC INDUSTRIAL CO ; PANASONIC ELECTRIC WORKS CO LTD ; PANASONIK KORPOREHJSHN ; PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO LTD

Inventor(s):(std)**:** UEDA YOSHIHIRO ; UEDA JOSIKHIRO ; TSUJIMOTO KAHORU ; TSUDZIMOTO KAKHORU ; NAKANISI KAZUJA ; NAKANISHI KAZUYA ; KAMISAKO TOYOSHI ; KAMISAKO TOJOSI ; KAMISACO TOYOSHI ; ADATI TADASI ; ADACHI TADASHI ; YOSHIHIRO UEDA ; TOYOSHI KAMISAKO ; TADASHI ADACHI ; KAZUYA NAKANISHI ; KAHORU TSUJIMOTO

Agent(s): GRIFFITH HACK; EISENFUEHR SPEISER AND PARTNER; HAMRE SCHUMANN MUELLER AND LARSON PC; IWAHASHI FUMIO ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A23B7/00 A23B7/04 A23B7/144 B05B5/025 B05B5/057 F25B21/02 F25D11/00 F25D23/00 F25D27/00 F28D5/00 (Advanced/Invention); A23B7/04 A23B7/144 B05B5/025 F25B21/02 F25D23/00 F25D27/00 F28D5/00 (Core/Invention)

International class (IPC 1–7): F25D23/00

CPC: F25D2317/0413 F25D17/042 A23B7/0433 A23B7/152 A23L3/3445 A23L3/363 B05B5/0255 B05B5/0533 B05B5/057 B05B7/0012 F25D2317/04131 F25D2317/0416 F25D2400/22 F25D2317/061

European class: A23B7/04F2 A23B7/152 A23L3/3445 A23L3/36F B05B5/025A B05B5/057 F25D17/04A L05B5/053B L05B7/00B R25D317/0413 R25D317/04131 R25D317/0416 R25D400/22

US class: 239/690 239/690S 62/264 62/264P 62/304 62/304S

Classification Explorer

Cited documents: WO06009190 A1, WO06009190, WO06009189 A1, WO06009189, WO05097338 A1, WO03038351 A1, US7874503 BB, US7279322 BB, US7213408 BB, US7096936 BA, US6477853 BA, US5931014 A, US5141156 A, US2005089458 AA, SU486735 T, JP7135945 A2, JP7135945, JP6257933 A2, JP6257933, JP2007327741 A2, JP2007327741, JP2007278569 A2, JP2007245149 A2, JP2007225277 A2, JP2007192539 A2, JP2007192539, JP2007147101 A2, JP2007147101, JP2007101034 A2, JP2007101033 A2, JP2007101033, JP2007046891 A2, JP2007046891, JP2006280319 A2, JP2006280319, JP2006242556 A2, JP2006242556, JP2006204968 A2, JP2006204968, JP2006118825 A2, JP2006075285 A2, JP2006061072 A2, JP2006061072, JP2006057999 A2, JP2006057999, JP2006057992 A2, JP2006057992, JP2006026459 A2, JP2004125179 A2, JP2004125179, JP2000220949 A2, JP2000220949, GB2326095 A1, EP0878203 A2, CN1989382,

Forward Citations: WO14030449, WO13137838, WO13113180, WO13060840, WO12039125, USD789714, USD783063, USD775882, USD745580, US9719714, US9671149, US9482459, US9448006, US9429535, US8397532, US8015724, US2017055538, US2016286846, US2015223660, US2014369888, US2013340465, US2012181911, US2012102984, US2012090346, US2012064818, US2012031112, US2012031111, US2011011118, US2010024462, TWI572869, TWI542838, JP6155391, JP5649022, JP5615784, JP5585029, JP2017501017, JP2014199172, JP2014145584, JP2013064577, JP2012088032, JP2011078660, JP2011069499, GB2500665, GB2500665, EP2620728, EP2591682, DE102011122198, CN105026857, CN104145182, CN104145182, CN103884147, CN102538378,

Abstract:
Source: US2010223944A To provide a refrigerator including: a heat−insulating main body; a storage compartment defined in the heat−insulating main body; and a mist spray apparatus that sprays a fine mist into the storage compartment. The fine mist generated by the mist spray apparatus has a nano−size particle diameter and reduces microorganisms adhering to the inside of the storage compartment and to vegetable surfaces, the microorganisms including molds, bacteria, yeasts, and viruses.

0) US2016003523A – APPARATUS FOR PRODUCING CARBONATED WATER, AND R...

57) Family number: 61318089 (US2016003523A) © PatBase

Title: APPARATUS FOR PRODUCING CARBONATED WATER, AND REFRIGERATOR INCLUDING THE SAME AND METHOD FOR CONTROLLING THE SAME

Priority: EP20150174498 20150630 KR20140084012 20140704 KR20140084014 20140704

Family:

Publication number	Publication date	Application number	Application date
EP2963366 A1	20160106	EP20150174498	20150630
EP3106807 A1	20161221	EP20160174608	20150630
KR101611706 B1	20160426	KR20140084012	20140704
KR101668152 B1	20161028	KR20140084014	20140704
KR20160004866 A	20160113	KR20140084012	20140704
KR20160004867 A	20160113	KR20140084014	20140704
US2016003523 AA	20160107	US20150788959	20150701
US9702616 BB	20170711	US20150788959	20150701

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** LG ELECTRONICS INC

Inventor(s):(std)**:** AN SIYEON ; KIM SUNGKYOUNG ; KIM YONGHYUN ; YOU JIMIN ; YOU JI MIN ; KIM YONG HYUN ; KIM SUNG KYOUNG ; AN SI YEON

Agent(s): TER MEER STEINMEISTER AND PARTNER; FISH AND RICHARDSON PC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9)**:** A23L2/00 A23L2/54 B01F15/00 B01F3/04 B67D1/00 C02F1/68 F25C5/00 F25D11/00 F25D23/02 F25D23/12 F25D25/00 (Advanced/Invention); B67D1/00 (Advanced/Non–invention)

CPC: B67D1/0014 B67D1/0071 F25D23/126 B67D1/006 F25C5/005 F25C2400/14 F25D23/028 F25D2323/122 A23L2/54 B01F3/04106 B01F3/04787 B01F3/04815 B01F3/04262 B01F3/04808 B01F15/00155 B01F15/00415 B01F2003/04319 B01F2003/04822

US class: 222/146.6

Classification Explorer

Cited documents: US8905383 BB, US5565149 A, US5124088 A, US5124088, US4882097 A, US4562013 A, US4562013, US2012038068 AA, KR20130128524 A, KR20130128524, KR20080015739 A, KR20080015739, KR20050087536 A, KR20050087536, JP2004216320 A2, JP2004216320, JP2000348250 A2, JP2000348250, EP1579906 A1, EP1579905 A2,

Forward Citations: US9492796, US2014239522,

Abstract:
Source: US2016003523A An apparatus for producing carbonated water includes a gas cylinder configured to store carbon dioxide gas, a cold water storage unit configured to store cold water, a producing tank defining a closed space where the carbonated water is produced, a water supply passage configured to connect the cold water storage unit to the producing tank, the water supply passage including a water supply valve that controls supply of the cold water, a gas supply passage connecting the gas cylinder to the producing tank, the gas supply passage including a gas valve that controls supply of the carbon dioxide, a first relief valve provided along the gas supply passage, the first relief valve configured to control the discharge of the carbon dioxide gas, a dispensing passage connecting the producing tank to a dispensing member, and the dispensing member configured to dispense the carbonated water from a front surface of a refrigerator.

0) AU199868098A – PRESSURE RELIEF CIRCUIT FOR WATER FILTER

58) Family number: 11457546 (AU199868098A) © PatBase

Title: PRESSURE RELIEF CIRCUIT FOR WATER FILTER

Priority: AU19980068098 19980525

Family:

Publication number	Publication date	Application number	Application date
AU199868098 A1	19991202	AU19980068098	19980525
AU739655 B2	20011018	AU19980068098	19980525

Probable Assignee: WHITE CONSOLIDATED IND INC

Assignee(s):(std)**:** WHITE CONS IND INC ; WHITE CONSOLIDATED IND INC

Assignee(s): WHITE CONSOLIDATED INDUSTRIES INC

Inventor(s):(std)**:** COATES DONALD A ; MORRIS KENNETH E

Inventor(s): KENNETH E MORRIS ; DONALD A COATES

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD

International class (IPC 8–9): B01D27/10 (Advanced/Invention); B01D27/00 (Core/Invention)

International class (IPC 1–7): B01D27/10

Classification Explorer

Cited documents: US5715699 A, US5707518 A, US5502978 A,

Abstract:
Source: AU199868098A A refrigerator (20) having a water filtration and dispensing system (22) including a first control valve (36) for unfiltered water, a household water supply line (54) for fluidly connecting the first control valve (36) to a source of household water, a water filter assembly (40) disposed within a refrigeration compartment an unfiltered water supply line (56) fluidly connecting the first control valve (36) to the water filter assembly a second control valve (38) having first and second outlets (132, 134), a filtered water supply line fluidly connecting the filter assembly (40) to the second control valve a filtered water dispenser (46) fluidly connected to the first outlet to. 10 (132) of second control valve and an ice maker (44) disposed within a freezer sso•0 compartment and fluidly connected to the second outlet (134) of the second control e. valve The system (22) also includes a water dispenser switch for opening the first and second control valves (36, 38) to permit unfiltered water to flow into the water filter assembly (40) and to permit filtered water to flow out of the water dispenser and an oooo ice maker switch connected for opening the first and second control valves (36, 38) to :o permit unfiltered water to flow into the water filter assembly (40) and to permit filtered go water to flow into the ice maker A pressure–relief switch connects the water dispenser switch and the first control valve (36) so that the first control valve (36) can be selectively disconnected. With the first control valve (36) disconnected, the water dispenser switch only opens the second control valve (38) to thereby prevent unfiltered water from flowing into the water filter assembly (40) and permit filtered water to flow out of the water dispenser The system (22) is thereby relieved or bled of water pressure prior to replacing the filter cartridge (68).

0) US2017120305A – MOBILE HIGH–PRESSURE CLEANING APPARATUS

59) Family number: 61456424 (US2017120305A) © PatBase

Title: MOBILE HIGH–PRESSURE CLEANING APPARATUS

Priority: US20170407844 20170117 WO2014EP65523 20140718

Family:

Publication number	Publication date	Application number	Application date
EP3169453 A1	20170524	EP20140741301	20140718
US2017120305 AA	20170504	US20170407844	20170117
WO16008543 A1	20160121	WO2014EP65523	20140718

Probable Assignee: ALFRED KAERCHER GMBH AND CO KG

Assignee(s):(std)**:** ALFRED KAERCHER GMBH AND CO KG

Inventor(s):(std)**:** EHRHARDT STEFAN ; KRAUTER RONALD ; PFIZENMAIER ANDREAS ; SCHMIDGALL THOMAS

Agent(s): HOEGER STELLRECHT AND PARTNER PATENTANWAELTE MBB; HOEGER STELLRECHT AND PARTNER PATENTANWAELTE

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B08B13/00 B08B3/02 (Advanced/Invention)

CPC: B08B3/02 B08B13/00 B08B2203/007 B08B2203/0217 B08B2203/0211 B08B2203/0241 B08B2203/0276 B08B3/026

Classification Explorer

Cited documents: WO11018661 A1, US3481544 A, DE19644570 A1,

DE102007018249 A1

AU2009250988 AA,

Abstract:
Source: US2017120305A A mobile high–pressure cleaning apparatus is provided with a vehicle trailer, on the chassis of which at least two running wheels are held so as to be rotatable, and with a high–pressure cleaning appliance having a motor and a pump, and also with at least one water storage tank for storing water for the high–pressure cleaning appliance. So that water can be provided to the apparatus from the at least one water storage tank or from a water supply mains, without risk of water from the water supply mains being returned thereto, the high–pressure cleaning apparatus has a decoupling tank with at least one inlet which can be connected to the water supply mains, and at least one outlet which is connected to the high–pressure cleaning appliance and to at least one water supply tank via a shut–off member which can be actuated by the user.

0) US2012248141A – DRINKING WATER DISPENSER

60) Family number: 49511233 (US2012248141A) © PatBase

Title: DRINKING WATER DISPENSER

Priority: CN201080064128 20100224 CN201610959220 20100224 WO2010JP01238 20100224 US20120524080 20120615

Family:

Publication number	Publication date	Application number	Application date
CN102762487 A	20121031	CN201080064128	20100224
CN106882758 A	20170623	CN201610959220	20100224
KR101470110 B1	20141205	KR20127014259	20100224
KR20120078744 A	20120710	KR20127014259	20100224
US2012248141 AA	20121004	US20120524080	20120615
US9061875 BB	20150623	US20120524080	20120615
WO11104753 A1	20110901	WO2010JP01238	20100224

Probable Assignee: PURPOSE CO LTD

Assignee(s):(std)**:** PURPOSE CO LTD ; SANO KAZUTOSHI ; FUSHIMI HIROSHI ; TAKAGI KOGYO KK

Assignee(s): PURPOSE CO ; TAKAGI INDUSTRIAL CO ; TAKAGI INDUSTRIAL CO LTD

Inventor(s):(std)**:** FUSHIMI HIROSHI ; HIROSHI FUSHIMI ; KAZUTOSHI SANO ; SANO KAZUTOSHI

Agent(s): WESTERMAN HATTORI DANIELS AND ADRIAN LLP; UNEMOTO SHOICHI

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B67D1/00 B67D3/00 B67D7/14 B67D7/80 F25D11/00 (Advanced/Invention)

CPC: B67D3/0022 B67D3/0003 B67D3/0009 B67D3/0032 B67D3/00 B67D7/80 F25D11/00

European class: B67D3/00B B67D3/00C B67D3/00F B67D3/00H2

US class: 1/1 222/146.1 222/52 222/67

Classification Explorer

Cited documents: WO10116544 A1, US7117685 BB, US6588630 BB, US5611459 A, US5111966 A, US4958747 A, US3915341 A, US2062423 A, US2019034 A, US2012055953 AA, US2005006405 AA, KR20120001758 A, KR20060073462 A, JP4317262 B1, JP3141387 U, JP3141387 A2, JP2010228807 A2, JP2009196650 A2, JP2009046150 A2, JP2007057219 A2, JP2006176179 A2, JP2005308297 A2, JP2005249266 A2, JP2003128194 A2, JP1134098 U1, JP1134098 U, EP2415705 A1, CN2324142 Y, CN1792304 A, CN102365228 A,

Forward Citations: WO16039421, US9568240, US9327956, US9085450, US2015369531, US2015129607, US2015083251, US2014263449, US2012193375, EP2966031, EP2966029, CN106163974, CN106132866, CN105008267,

Abstract:
Source: US2012248141A A drinking water dispenser heats and cools drinking water supplied from a water supply bottle, and provides heated and cooled drinking water. The dispenser includes a cold water tank, a hot water tank, a water supply pipe, a valve, a by−pass pipe, a by−pass valve and a control unit. The valve opens and closes a water outlet for taking in the drinking water from the water supply bottle according to a level of the drinking water in the cold water tank, limits supply of the drinking water to the cold water tank, and, while the water outlet is shut, suppresses convection of the drinking water and/or heat of the drinking water between the water supply bottle and the cold water tank.

0) US2014270725A – REFRIGERATOR APPLIANCE WITH HOT WATER DISPENSER...

61) Family number: 57414336 (US2014270725A) © PatBase

Title: REFRIGERATOR APPLIANCE WITH HOT WATER DISPENSER

Priority: US20130838208 20130315 US20150604841 20150126 WO2014US23970 20140312

Family:

Publication number	Publication date	Application number	Application date
CN105247304 A	20160113	CN201480021585	20140312
EP2972023 A1	20160120	EP20140719919	20140312
KR20160005340 A	20160114	KR20157029718	20140312
US2014270725 AA	20140918	US20130838208	20130315
US2015136803 AA	20150521	US20150604841	20150126
US8967432 BB	20150303	US20130838208	20130315
US9216895 BB	20151222	US20150604841	20150126
WO14150686 A1	20140925	WO2014US23970	20140312

Probable Assignee: ELECTROLUX HOME PROD INC

Assignee(s):(std)**:** ELECTROLUX HOME PROD INC

Assignee(s): ELECTROLUX HOME PRODUCTS INC

Inventor(s):(std)**:** SANCHEZ JORGE ; HALL DAVID L ; BERTOLINI NILTON CARLOS

Agent(s): STJERNBERG NILS OLOF TORE; PEARNE AND GORDON LLP; GARVAY MICHAEL W ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B67D1/08 B67D7/82 F24H7/02 F25D23/02 F25D23/04 F25D23/12 F25D31/00 (Advanced/Invention); B67D1/08 B67D3/00 B67D7/80 F25D23/12 F25D31/00 (Advanced/Non–invention)

CPC: B67D7/82 F25D23/028 F25D23/04 F25D23/12 F25D2323/024 F25D2331/806 F25D2400/02 F25D2600/02 B67D1/0857 B67D1/0858 B67D1/0867 B67D3/0009 B67D7/80 F25D23/02 F25D23/126 F25D31/005 F25D2323/122

US class: 1/1 222/1 222/146.2 222/146.5 392/341

Classification Explorer

Cited documents: US8967432 BB, US8695371 BB, US8651330 BB, US8083104 BB, US8011537 BB, US7814763 BB, US7793690 BB, US7757732 BB, US7207189 BB, US7137272 BB, US7130533 BB, US6101835 A, US5511388 A, US2341872 A, US2229850 A, US2126491 A, US2014270725 AA, US2014270724 AA, US2010294804 AA, US2010252575 AA, US2010175415 AA, US2009249821 AA, US2009199586 AA, US2009133430 AA, US2008110194 AA, US2007256444 AA, US2007251261 AA, US2006144066 AA, KR100602221 B1, EP1677061 A2, CN2864525 Y, CN102147182 A, CN101063573 A, CN100380076 C,

Forward Citations: USD771471, US9568240, US9567201, US9216895, US9139415, US2015300729, US2015225226, US2015136803,

Abstract:
Source: US2014270725A A refrigerator is provided, including a cabinet formed with at least one refrigerated compartment, and a door pivotally mounted to the cabinet. A vented exhaust conduit is provided at least partially within an interior of the door and defines a pathway in fluid communication with an environment exterior of the cabinet. A water heater includes a heating element located at least partially within the vented exhaust conduit and configured to heat water supplied from the refrigerator, wherein heat generated by said heating element can escape through the pathway of the vented exhaust to said environment exterior of the cabinet. A hot water dispenser is positioned on the door that is configured to dispense hot water supplied from the water heater into a receiver vessel. A method of dispensing hot water is also provided. The method utilizes at least two distinct,

user–initiated steps to permit the dispensing of hot water.

0) US5813245A – PRESSURE RELIEF CIRCUIT FOR REFRIGERATOR CONTAI...

62) Family number: 11151996 (US5813245A) © PatBase

Title: Pressure relief circuit for refrigerator contained water filter

Priority: US19960740262 19961025 WO1997US19640 19971024

Family:

Publication number	Publication date	Application number	Application date
AU199850948 A1	19980515	AU19980050948	19971024
US5813245 A	19980929	US19960740262	19961025
WO9817371 A1	19980430	WO1997US19640	19971024

Probable Assignee: WHITE CONSOLIDATED IND INC

Assignee(s):(std): WHITE CONSOLIDATED IND INC

Assignee(s): WHITE CONSOLIDATED INDUSTRIES INC ; ELECTROLUX HOME PRODUCTS INC ; WHITE CONSOLIDATED IND

Inventor(s):(std): COATES DONALD A ; MORRIS KENNETH E

Inventor(s): DONALD A COATES ; KENNETH E MORRIS

Designated states: AT AU BE BR CA CH CN DE DK ES FI FR GB GR IE IT JP KR LU MC MX NL NZ PT SE SG

International class (IPC 8–9): B01D35/153 F25D23/12 (Advanced/Invention); B01D35/14 F25D23/12 (Core/Invention)

International class (IPC 1–7): B01D17/12 B01D35/153 B01D35/30 B67D5/62 F25D23/12

CPC: B01D35/153 F25D23/126 F25D2323/121 F25D2400/06

European class: B01D35/153 F25D23/12B R25D323/121 R25D400/06

US class: 210/110 210/134 210/175 62/338 62/389

Classification Explorer

Cited documents: WO9726066 A1, US5715699 A, US5707518 A, US5573142 A, US5560393 A, US5502978 A, US5254243 A, US5135645 A, US5064097 A, US4853117 A, US4571953 A,

Forward Citations: WO05030658, WO04097314, WO0195995, WO0195995, USRE43409, USD501912, USD494654, USD492753, US9683771, US9359224, US8850843, US8850842, US8850841, US8720221, US8707728, US8695370, US8627679, US8601830, US8438871, US8353177, US8146379, US8119012, US8117863, US8028534, US7954647, US7922008, US7900465, US7895859, US7891198, US7878022, US7870754, US7850859, US7749394, US7740766, US7740765, US7673472, US7615152, US7610932, US7350821, US7340915, US7338599, US7188486, US7147773, US7073876, US7000894, US6973803, US6964739, US6866806, US6810682, US6613236, US6532758, US6460367, US6458257, US6375834, US2012103898, US2011120172, US2011094255, US2010126204, US2010030383, US2009266090, US2009165493, US2009145158, US2009038331, US2007145070, US2007119772, US2006266059, US2006260345, US2006090496, US2006086133, US2005160754, US2005103721, US2004211717, US2004211209, US2004007009, US2002189983, EP3153802, EP2405220, EP1674143, EP1624266, EP1333235, EP1236683, EP1139045, EP1028299,

Abstract:
Source: US5813245A A refrigerator having a water filtration and dispensing system including a first control valve for unfiltered water, a household water supply line for fluidly connecting the first control valve to a source of household water, a water filter assembly disposed within a refrigeration compartment, an unfiltered water supply line fluidly connecting the first control valve to the water filter assembly, a second control valve having first and second outlets, a filtered water supply line fluidly connecting the filter assembly to the second control valve, a filtered water dispenser fluidly connected to the first outlet of second control valve, and an ice maker disposed within a freezer compartment and fluidly connected to the second outlet of the second control valve. The system also includes a water dispenser switch for opening the first and second control valves to permit unfiltered water to flow into the water filter assembly and to permit filtered water to flow out of the water dispenser, and an ice maker switch connected for opening the first and second control valves to permit unfiltered water to flow into the water filter assembly and to permit filtered water to flow into the ice maker. A pressure–relief switch connects the water dispenser switch and the first control valve so that the first control valve can be selectively disconnected. With the

first control valve disconnected, the water dispenser switch only opens the second control valve to thereby prevent unfiltered water from flowing into the water filter assembly and permit filtered water to flow out of the water dispenser. The system is thereby relieved or bled of water pressure prior to replacing the filter cartridge.

0) US2009072692A – SYSTEM FOR FASTENING A FURNITURE FRONT

63) Family number: 40751600 (US2009072692A) © PatBase

Title: SYSTEM FOR FASTENING A FURNITURE FRONT

Priority: DE200610018420 20060420 WO2007EP53193 20070402

Family:

Publication number	Publication date	Application number	Application date
AT439065 E	20090815	AT20070727665T	20070402
DE102006018420 A1	20071025	DE200610018420	20060420
DE502007001309 D1	20090924	DE200750001309T	20070402
EP2010022 A1	20090107	EP20070727665	20070402
EP2010022 B1	20090812	EP20070727665	20070402
ES2329634 T3	20091127	ES20070727665T	20070402
RU2008144785 A	20100527	RU20080144785	20070402
RU2406424 C2	20101220	RU20080144785	20070402
US2009072692 AA	20090319	US20070226380	20070402
US9267728 BB	20160223	US20070226380	20070402
WO07122075 A1	20071101	WO2007EP53193	20070402

Probable Assignee: BSH HAUSGERAETE GMBH

Assignee(s):(std)**:** BSH BOSCH SIEMENS HAUSGERAETE ; LAIBLE KARL FRIEDRICH ; STEICHELE HELMUT ; BSH HAUSGERAETE GMBH

Assignee(s): BSKH BOSH U SIMENS KHAUSGERETE GMBKH ; BSH BOSCH UND SIEMENS HAUSGERATE GMBH ; BSKH BOSH UND SIMENS KHAUSGERETE GMBKH ; BSH BOSCH U ; BSH BOSCH U SIEMENS HAUSGERAETE GMBH ; BSH BOSCH U SIEMENS HAUSGERATE GMBH ; BSH BOSCH UND SIEMENS HAUSGERAETE GMBH

Inventor(s):(std)**:** LAIBLE KARL FRIEDRICH ; STEICHELE HELMUT ; SHTAJKHELE KHEL MUT ; LAJBLE KARL FRIDRIKH

Inventor(s): LAJBLE KARL–FRIDRIKH ; SHTAJKHELE KHEL'MUT

Agent(s): BSH HOME APPLIANCES INTELLECTUAL PROPERTY DEPARTMENT CORP; JAMES E; ANDRE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47B77/08 A47B95/00 A47B96/20 F16D23/10 F25D23/02 F25D23/10 (Advanced/Invention); F25D23/02 F25D23/12 (Advanced/Non–invention); A47B77/08 A47B96/00 F25D23/02 F25D23/10 (Core/Invention)

CPC: F25D23/10 A47B95/00 F25D23/02 F25D23/126

European class: A47B95/00 F25D23/10 R25D23/02 R25D23/12B

US class: 1/1 312/405 312/405P

Classification Explorer

Cited documents: US7240510 BB, US6948788 BA, US5971213 A, US5077985 A, US2936050 A, US2720683 A, US2498139 A, US2219962 A, US2010327720 AA, US2010295425 AA, US2010270901 AA, US2009282856 AA, US2009071184 AA, US2009045705 AA, US2009039750 AA, US2008252186 AA, US2008143227 AA, US2006065007 AA, US2004183414 AA, US2004183413 AA, GB2050814 A1, GB1107996 A, EP1245916 A2, EP1145667 A1, EP0877215 A2, EP0647821 A1,

Forward Citations: DE102015003208,

Abstract:
Source: US2009072692A A system for fastening a furniture front to a door of a built−in refrigerator is provided and includes at least two retaining fittings interposed between the back of the furniture front and the front of the door of the built−in refrigerator. An ice/water dispenser is provided on the door of the built−in refrigerator, the dispenser being actuatable through a recess in the furniture front, and one of the retaining fittings is arranged directly next to the dispenser between the door and the furniture front.

0) EP2743435B1 – KUEHLSCHRANK MIT FUEHRUNGSELEMENT FUER EIN FLEX...

64) Family number: 56650861 (EP2743435B1) © PatBase

Title: KUEHLSCHRANK MIT FUEHRUNGSELEMENT FUER EIN FLEXIBLES, ROHRFOERMIGES ELEMENT REFRIGERATING APPLIANCE WITH GUIDING ELEMENT FOR A FLEXIBLE TUBULAR ELEMENT

Priority: IT2012TO01064 20121211 IT2012TO01086 20121217 IT2012TO01142 20121224

Family:

Publication number	Publication date	Application number	Application date
EP2743435 A1	20140618	EP20130196490	20131210
EP2743435 B1	20170315	EP20130196490	20131210
ITTO20121064 A1	20140612	IT2012TO01064	20121211
ITTO20121086 A1	20140618	IT2012TO01086	20121217
ITTO20121142 A1	20140625	IT2012TO01142	20121224

Probable Assignee: WHIRLPOOL EMEA SPA

Assignee(s):(std)**:** INDESIT CO SPA ; WHIRLPOOL EMEA S P A

Assignee(s): WHIRLPOOL EMEA SPA

Inventor(s):(std)**:** BAZZUCCHI VALTER

Agent(s): CAMOLESE MARCO

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9): E05D7/02 F25D23/02 (Advanced/Invention)

CPC: F25D2323/024 F25D2400/40 E05D7/02 F25D23/028 E05Y2900/31

Classification Explorer

Cited documents: WO10057790 A1, WO04048730 A1, US5263509 A, US2148787 A, US2010176701 AA, JP63142681 U1, JP63142681 U, JP48010059 U1, JP48010059 U, FR2522891 A1, EP2329208 A2, EP2321597 A2, EP2307830 A1, EP1653180 A2, EP1624264 A1, EP1565637 B1, EP1191289 A2,

DE202008006133 U1

DE102008040610 A1

Abstract:
Source: EP2743435A1 The present invention relates to a refrigerating appliance comprising a cabinet (102), at least one door (103a) and at least one flexible tubular element (112) inserted on one side in the cabinet (102) and on the other side in the door (103a), the door (103a) being connected to the cabinet (102) through at least one hinge (110) allowing the door (103a) to rotate about an axis of rotation (111) for opening and closing; the refrigerating appliance further comprises a guiding element (113), wherein the guiding element (113) comprises a guiding fulcrum (114) defining a guiding axis (115) around which the flexible element (112) is adapted to wind and unwind, at least partially, during the closing and opening, respectively, and further comprises a support (116) defining a surface substantially perpendicular to the guiding axis (115) and adapted to support the flexible tubular element (112). The present invention also relates to other aspects of a refrigerating appliance (201, 301) and to a method for configuring the opening of a door (303a, 303c) of a refrigerating appliance (301).

0) US2009086434A – RECIRCULATING GAS RACK COOLING ARCHITECTURE

65) Family number: 43089829 (US2009086434A) © PatBase

Title: RECIRCULATING GAS RACK COOLING ARCHITECTURE

Priority: EP20080836781 20080922 US20070865020 20070930 WO2008US10960 20080922

Family:

Publication number	Publication date	Application number	Application date
CN101904231 A	20101201	CN200880109573	20080922
CN101904231 B	20121107	CN200880109573	20080922
DE602008024632 D1	20130711	DE200860024632T	20080922
EP2198682 A1	20100623	EP20080836781	20080922
EP2198682 B1	20130515	EP20080836781	20080922
IN02084DN2010 A	20100820	IN2010DN02084	20100325
JP2010541238 T2	20101224	JP20100526913T	20080922
JP5576282 B2	20140820	JP20100526913T	20080922
KR20100061708 A	20100608	KR20107006996	20080922
US2009086434 AA	20090402	US20070865020	20070930
US9025330 BB	20150505	US20070865020	20070930
WO09045281 A1	20090409	WO2008US10960	20080922

Probable Assignee: LUCENT TECHNOLOGIES INC

Assignee(s):(std)**:** ALCATEL LUCENT ; ALCATEL LUCENT USA INC ; HODES MARC ; HODES MARC SCOTT ; LYONS ALAN MICHAEL ; SCOFIELD WILLIAM HAROLD ; LUCENT TECHNOLOGIES INC

Assignee(s): ALCATEL LUCENT USA INC MURRAY HILL ; CREDIT SUISSE AG

Inventor(s):(std)**:** HAROLD SCOFIELD WILLIAM ; HODES MARC ; HODES MARC SCOTT ; LYONS ALAN MICHAEL ; MICHAEL LYONS ALAN ; SCOFIELD WILLIAM HAROLD ; SCOTT HODES MARC

Inventor(s): WILLIAM HAROLD SCOFIELD ; MARC SCOTT HODES ; ALAN MICHAEL LYONS

Agent(s): PATENTANWAELTE U KNECHT U KOLLEGEN; KOHLER SCHMID MOEBUS; OKABE YUZURU; KATO NOBUAKI; ASAHI NOBUMITSU; WALL AND TONG LLP ALCATEL LUCENT USA INC; WALL AND TONG LLP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): G06F1/20 H05K5/00 H05K7/00 H05K7/18 H05K7/20 (Advanced/Invention); H05K5/00 H05K7/20 (Advanced/Non–invention); H05K5/00 H05K7/00 H05K7/20 (Core/Invention)

International class (IPC 1–7): H05K7/20

CPC: H05K7/20754 H05K7/20609 H05K7/20 H05K5/00

European class: H05K7/20R16 H05K7/20S15

US class: 361/679.47 361/679.53 361/690 361/694 361/694S 361/698 361/700 361/700P 361/701 361/701S 62/259.2 700/300

Classification Explorer

Cited documents: US8427831 BB, US7869210 BB, US7826216 BB, US7643291 BB, US7508663 BB, US7492593 BB, US7486512 BB, US7418825 BA, US7385810 BB, US7365973 BB, US7330350 BB, US7315448 BA, US7286351 BB, US7226353 BB, US7187549 BB, US7184269 BB, US7184267 BB, US7182208 BB, US7135877 BB, US7051802 BB, US6927980 BB, US6924981 BB, US6896612 BA, US6881141 BB, US6877551 BB, US6836030 BB, US6819563 BA, US6798657 BA, US6775137 BB, US6742583 BB,

US6704198 BB, US6628520 BB, US6616524 BB, US6557357 BB, US6305180 BA, US6272016 BA, US6208510 BA, US6205796 BA, US6086476 A, US5796580 A, US5718628 A, US5144811 A, US5123478 A, US4911231 A, US4774631 A, US4728160 A, US3626251 A, US2009168345 AA, US2009126385 AA, US2009046423 AA, US2008310112 AA, US2008092387 AA, US2008068793 AA, US2008055846 AA, US2008002358 AA, US2007211428 AA, US2007165377 AA, US2007151707 AA, US2006180301 AA, US2006176664 AA, US2006126296 AA, US2006120036 AA, US2006102322 AA, US2006065386 AA, US2006007657 AA, US2005225936 AA, US2005207116 AA, US2005174733 AA, US2005047083 AA, US2004221604 AA, US2003010477 AA, US2002173267 AA, US2002173266 AA, US2001052412 AA, US2001042616 AA, JP9298377 A2, JP2008530484 T2, JP2008530484, JP2005530484 T2, JP2005249258 A2, JP2005249258, JP2004363308 A2, JP2004363308, JP2004047657 A2, JP09298377, FR2568712 A1, FR02568712, DE2138376 A1,

DE102005005588 A1

Forward Citations: WO12027319, WO10042572, WO10042572, US9717166, US9681589, US9606586, US9491892, US9433132, US9357681, US9155230, US9089078, US9016352, US8749968, US8553416, US8436246, US7576985, US2016044833, US2015382514, US2015342094, US2015319883, US2014216681, US2013189916, US2009141432, JP2015507284, JP2014173805, JP2014089695, CN103460827, CN103460827,

Abstract:
Source: US2009086434A Cabinet for housing and cooling electronic components with internally circulating air that is cooled at each of a plurality of equipment shelves.

0) US2014270724A – REFRIGERATOR APPLIANCE WITH HOT WATER DISPENSER...

66) Family number: 57414171 (US2014270724A) © PatBase

Title: REFRIGERATOR APPLIANCE WITH HOT WATER DISPENSER

Priority: US20130838077 20130315 US20150837425 20150827 WO2014US23875 20140312

Family:

Publication number	Publication date	Application number	Application date
CN105264311 A	20160120	CN201480021586	20140312
EP2972025 A1	20160120	EP20140727647	20140312
KR20160005339 A	20160114	KR20157029717	20140312
US2014270724 AA	20140918	US20130838077	20130315
US2015369531 AA	20151224	US20150837425	20150827
US9139415 BB	20150922	US20130838077	20130315
US9568240 BB	20170214	US20150837425	20150827
WO14150644 A1	20140925	WO2014US23875	20140312

Probable Assignee: ELECTROLUX HOME PROD INC

Assignee(s):(std)**:** ELECTROLUX HOME PROD INC

Assignee(s): ELECTROLUX HOME PRODUCTS INC

Inventor(s):(std)**:** BERTOLINI NILTON CARLOS ; HALL DAVID L

Agent(s): STJERNBERG NILS OLOF TORE; PEARNE AND GORDON LLP; GARVEY MICHAEL W ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B67D1/08 B67D7/80 B67D7/82 F16K31/06 F24H7/02 F25D23/02 F25D23/028 F25D23/04 F25D23/12 (Advanced/Invention); B67D1/00 B67D1/12 (Advanced/Non–invention)

CPC: F25D23/028 F25D23/04 F25D23/12 F25D2323/024 F25D2331/806 F25D2400/02 F25D2600/02 F25D23/126 F16K31/06 F25D2323/122 B67D7/82 B67D1/0007 B67D1/0014 B67D1/0895 B67D1/1234 B67D2210/00099 B67D2210/00118

US class: 1/1 222/1 222/146.5 392/341

Classification Explorer

Cited documents: US8695371 BB, US8651330 BB, US8083104 BB, US8011537 BB, US7814763 BB, US7793690 BB, US7757732 BB, US7207189 BB, US7137272 BB, US7130533 BB, US6101835 A, US5511388 A, US2341872 A, US2229850 A, US2229580 A, US2126491 A, US2014270725 AA, US2013108249 AA, US2012248141 AA, US2010294804 AA, US2010252575 AA, US2010175415 AA, US2009249821 AA, US2009199586 AA, US2009133430 AA, US2008110194 AA, US2007256444 AA, US2007251261 AA, US2006144066 AA, EP1677061 A2,

Forward Citations: US9656848, US9567201, US9216895, US8967432, US2016083238, US2015300729, US2015225226,

Abstract:
Source: US2014270724A A refrigerator is provided, including a cabinet formed with at least one refrigerated compartment and a door pivotally mounted to the cabinet via a hollow hinge to selectively open and close at least a portion of the refrigerated compartment. A water heater is mounted on an exterior surface of the cabinet about the hollow hinge and configured to heat water supplied from the refrigerator. A hot water dispenser is positioned on the door that is configured to dispense hot water supplied from the water heater into a receiver vessel, and a hot water conduit is guided through the hollow hinge and extending from the water heater to the hot water dispenser to supply the hot water from the heater to the dispenser. A method of dispensing hot water is also provided. The method utilizes at least two distinct, user–initiated steps to permit the dispensing of hot water.

0) US2010252570A – BOTTOM LOADING WATER COOLER

67) Family number: 46800390 (US2010252570A) © PatBase

Title: BOTTOM LOADING WATER COOLER

Priority: CA20092682823 20091015 CA20122781359 20120628 US20090416781 20090401 US20110177521 20110706 US20130018453 20130905

Family:

Publication number	Publication date	Application number	Application date
CA2682823 AA	20100823	CA20092682823	20091015
CA2682823 C	20130115	CA20092682823	20091015
CA2781359 AA	20130106	CA20122781359	20120628
US2010252570 AA	20101007	US20090416781	20090401
US2011259913 AA	20111027	US20110177521	20110706
US2014131385 AA	20140515	US20130018453	20130905

Probable Assignee: ELECTROTEMP TECHNOLOGIES CHINA

Assignee(s):(std)**:** ELECTROTEMP TECHNOLOGIES CHINA ; ELECTROTEMP TECHNOLOGIES CHINA INC ; YUI ALEXANDER SASCHA ; YUI GEORGE M ; YUI GEORGE

Assignee(s): YUI ANDREI

Inventor(s):(std)**:** YUI ALEXANDER SASCHA ; YUI GEORGE ; YUI GEORGE M

Agent(s): MILTONS IP PI; HPF

International class (IPC 8–9): B65D83/00 B67D1/00 B67D1/04 B67D1/08 B67D1/12 B67D1/16 B67D3/00 B67D5/62 B67D5/64 B67D7/06 B67D7/76 (Advanced/Invention); B67D1/00 (Core/Invention)

CPC: B67D1/1247 B67D1/0431 B67D1/06 B67D1/0871 B67D1/0888 B67D1/1243 B67D1/0004 B67D1/0801 B67D1/0857

European class: B67D1/00E2 B67D1/08A B67D1/08D

US class: 222/108 222/108S 222/146.6 222/146.600S 222/160 222/160S 222/173 222/173S 222/189.1 222/189.100S 222/400.7 222/400.700S 222/66 222/66P 222/67 222/67P 222/67S

Classification Explorer

Cited documents: US7131556 BB, US6962319 BB, US6453955 BA, US6056154 A, US5042689 A, US4958747 A, US4174743 A, US4030634 A, US3584472 A, US3495612 A, US3269143 A, US2880910 A, US2008014064 AA, US2007072496 AA, US2005000980 AA, US2004226313 AA, US2002125183 AA,

Forward Citations: WO12166376, US9598533, US9340404, US9175134, US2015129607, US2014208951, US2013118972, US2012152982, EP2910519, EP2821365, EP2821364, CN104643933,

Abstract:
Source: US2010252570A Bottom loading water coolers are disclosed, which include (1) a cabinet having an exterior portion and an interior portion; (2) a water bottle disposed in the bottom half of the interior portion of the cabinet; (3) a cold tank disposed in the top half of the interior portion of the cabinet and above the water bottle; (4) a bottle tray disposed in the bottom half of the interior portion of the cabinet that is configured to receive the water bottle in an upright position, such that the bottle tray may be reversibly pulled out of, and pushed into, the interior portion of the cabinet; (5) a pump that injects air into the water bottle at defined and periodic intervals; and (6) a specialized probe for transferring water from the water bottle to the cold tank (and for delivering air from a pump to the water bottle).

0) US5833096A – WATER DISPENSER

68) Family number: 29187651 (US5833096A) © PatBase

Title: Water dispenser

Priority: KR19950028200 19950831 KR19960023935 19960808 US19970911131 19970814 US19960697717 19960829

Family:

Publication number	Publication date	Application number	Application date
AT228966 E	20021215	AT19970303152T	19970509
CN1138698 C	20040218	CN19971014578	19970707
CN1173311 A	19980218	CN19971014578	19970707
DE69717559 D1	20030116	DE19976017559	19970509
EP0823397 A1	19980211	EP19970303152	19970509
EP0823397 B1	20021204	EP19970303152	19970509
JP10075889 A2	19980324	JP19970196215	19970722
JP3004227 B2	20000131	JP19970196215	19970722
KR0148649 B1	19990115	KR19950028200	19950831
KR100148649 B1	19990115	KR19950028200	19950831
KR19970011699 A	19970327	KR19950028200	19950831
US5833096 A	19981110	US19970911131	19970814

Probable Assignee: OHU HEE BUM

Assignee(s):(std)**:** DASAN C AND I CO LTD ; GO KIHAN ; HEUI POM OH ; OHU H B ; OH HEUI POM ; OH HEE BUM

Assignee(s): DASAN C AMP AMP ; OHU HEE BUM ; OHU HB ; I CO LTD

Inventor(s):(std)**:** HEUI POM OH ; OH HEE BUM ; OHU H B ; GO KIHAN

Inventor(s): OHU HB ; OH HEUI POM

Designated states: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

International class (IPC 8–9): A47J27/21 B67D1/00 B67D3/00 F25D11/00 (Advanced/Invention); B67D1/00 F25D11/00 (Advanced/Non–invention); A47J27/21 B67D1/00 B67D3/00 F25D11/00 (Core/Invention)

International class (IPC 1–7): A47J27/21 A47J31/54 B67D1/00 B67D5/62 F25D11/00

CPC: B67D1/0009 B67D3/0009 B67D3/0022 B67D2210/00097 B67D2210/00154 B67D3/0029

European class: B67D1/00E4 B67D3/00C B67D3/00F B67D3/00H L67D210/00D10B L67D210/00F2B2

US class: 141/231 222/146.1 222/325 222/609 280/79.5

Classification Explorer

Cited documents: US5540355 A, US5172832 A, US4958747 A, US4852621 A, US4153181 A, US3698454 A, US3584472 A, US3269143 A, US2212749 A, US2105990 A, JP3017396 U, GB2268925 A1, GB2059362 A1, FR2728552 A1,

Forward Citations: WO05068349, WO03062131, WO0014008, USRE44337, US8495893, US8083104, US7987769, US7703382, US7645381, US7596306, US7470364, US7287392, US7249557, US7168599, US6923006, US6564974, US6453955, US6443334, US2015129607, US2011006078, US2010170656, US2010163470, US2010116847, US2010074816, US2009159611, US2009071890, US2008226521, US2008202996, US2007297776, US2006288547, US2006086137, US2005279689, US2005072813, US2004237795, US2004035408, US2003177784, KR101405516, KR100691768, KR100625190, JP3087122, JP2000152872, GB2333514, GB2333514, FR2855384, ES2229892, EP2910517, EP2862835, EP2835338, EP2562131, EP2562130, EP1584602, EP1483991, EP1236675, EP1118582, EP1022251, CN105249818, CN104736467, CN102860750, CN102860750,

Abstract:
Source: US5833096A A water dispenser for dispensing bottled water with the water bottle installed into the bottom

portion of a dispenser cabinet with the water bottle's open end up, thereby eliminating the need to lift the water bottle to the top of the cabinet and the need to invert the bottle so that its open end points down.

0) US5873996A – COMMUNITY DRINKING WATER PURIFICATION SYSTEM

69) Family number: 29377416 (US5873996A) © PatBase

Title: COMMUNITY DRINKING WATER PURIFICATION SYSTEM

Priority: CN19971096026 19970429 US19960642535 19960503 US19970955888 19971022 WO1997US07106 19970429

Family:

Publication number	Publication date	Application number	Application date
AU199727464 A1	19971126	AU19970027464	19970429
BRPI9708907 A	20000509	BR1997PI08907	19970429
CN1223605 A	19990721	CN19971096026	19970429
EP0904155 A1	19990331	EP19970921425	19970429
US5873996 A	19990223	US19960642535	19960503
US5997750 A	19991207	US19970955888	19971022
WO9741960 A1	19971113	WO1997US07106	19970429

Probable Assignee: PURAQ WATER SYSTEMS INC

Assignee(s):(std)**:** PURAQ WATER SYSTEMS INC

Inventor(s):(std)**:** BAUMANN E R ; BAUMANN E ROBERT ; E R BAUMANN ; L ROZELLE ; ROZELLE L ; ROZELLE LEE

Inventor(s): LEE ROZELLE ; E ROBERT BAUMANN ; BAUMANN E

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GE GH GR HU IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG UZ VN YU

International class (IPC 8–9): B01D37/00 B03C5/00 C02F1/00 C02F1/28 C02F1/72 C02F1/76 C02F1/78 C02F9/00 (Advanced/Invention);
C02F1/00 C02F1/28 C02F1/78 (Advanced/Non–invention);
B01D37/00 B03C5/00 C02F1/00 C02F1/72 C02F1/76 C02F1/78 C02F9/00 (Core/Invention);
C02F1/00 C02F1/28 C02F1/78 (Core/Non–invention)

International class (IPC 1–7): B01D37/00 B03C5/00 C02F1/00 C02F1/76 C02F1/78 C02F9/00

CPC: Y02W10/37 C02F9/005 C02F1/001 C02F1/008 C02F1/281 C02F1/283 C02F1/76 C02F1/766 C02F1/78 C02F2201/008 C02F2201/009 C02F2209/005 C02F2209/006 C02F2209/40 C02F2209/42 C02F2303/04 C02F2303/16

European class: C02F1/28B C02F9/00B M02F1/00D M02F1/00T M02F1/28D M02F1/76 M02F1/76G M02F1/78 M02F201/00I M02F201/00M M02F201/00P M02F209/00T M02F209/00T2 M02F209/40 M02F209/42 M02F303/04 M02F303/16

US class: 210/104 210/108 210/140 210/143 210/196 210/202 210/257.1 210/274 210/275 210/284 210/744 210/794 210/806 210/807

Classification Explorer

Cited documents: WO9505231 A1, US5449543 A, US5415779 A, US5211852 A, US5133871 A, US5114576 A, US4941962 A, US4752397 A, US4647374 A, US4385998 A, US4211654 A, US4196081 A, US4181607 A, US3886071 A, US3870033 A, US3755157 A, US3701423 A, US3651942 A,

Forward Citations: WO14197563, WO14049430, WO14049430, WO11157868, WO11133159, WO11133159, WO11131919, WO09022143, WO07011352, WO06020254, WO04056447, WO0210072, WO0210072, US9588094, US9394185, US9096444, US9079784, US9069927, US9056783, US9015003, US8980105, US8958917, US8920619, US8778175, US8577623, US8540943, US8504305, US8377314, US8192619, US8133400, US8037492, US7971371, US7820059, US7811460, US7799236, US7775374, US7749380, US7698073, US7670494, US7497957, US7258798, US7241384, US7204930, US7122116, US6953525, US6645388, US6537614, US6495052, US6436283, US6379539, US6342155, US6274041, US6270658, US6224778, US2014263079, US2013306574, US2012292261, US2011303623, US2011100926, US2010300544, US2010224558, US2010153251, US2010100242, US2009152205, US2009138240, US2009132089, US2009078319, US2009039033, US2009039032,

US2008266758, US2008052951, US2007210236, US2007210009, US2007193932, US2007045200, US2007012628, US2007007213, US2006270888, US2006251551, US2006021953, US2006011553, US2005183999, US2004130851, GB2451875, GB2382345, GB2382345, GB2381267, GB2381267, GB2354233, GB2350358, GB2350358, ES2592980, ES2371807, EP2021201, EP1760046, CN104264739, AU758846, AU2008288270,

Abstract:
Source: US5873996A This invention comprises a process and apparatus for producing purified drinking water from surface or ground fresh water sources using no chemical pretreatment or coagulants, by usage of a positively−charged filtration media to attract the typically negatively−charged suspended solids present in the water source. The process, which can be portable, includes a filtration system having a filtration/recirulcation/backwash component and a disinfection step. The process further includes a system controller which receives electrical signals from float controls to control the filtration, recirculation, and backwash steps. This process produces drinking water which meets or exceeds the guidelines set by the World Health Organization for turbidity and microbiological content.

0) US2008163641A – ENHANCED AESTHETICS FOR WATER DISPENSING ILLUMI...

70) Family number: 41960430 (US2008163641A) © PatBase

Title: ENHANCED AESTHETICS FOR WATER DISPENSING ILLUMINATION

Priority: US20060882275P 20061228 US20070733803 20070411

Family:

Publication number	Publication date	Application number	Application date
BRPI0704687 A	20080819	BR2007PI04687	20071227
EP1939558 A1	20080702	EP20070254646	20071130
IN02649DE2007 A	20080905	IN2007DE02649	20071218
MX2007015313 A1	20090220	MX20070015313	20071204
US2008163641 AA	20080710	US20070733803	20070411

Probable Assignee: WHIRLPOOL CORP

Assignee(s):(std)**:** WHIRLPOOL CO

Assignee(s): WHIRLPOOL CORP

Inventor(s):(std)**:** MITCHELL ALAN JOSEPH

Inventor(s): ALAN JOSEPH MITCHELL

Agent(s): NICHOLLS MICHAEL JOHN; WHIRLPOOL PATENTS CO MD 0750

Designated states: AL BA DE FR GB HR IT MK RS

International class (IPC 8–9)**:** B65D5/66 B67D3/00 B67D5/62 B67D7/08 B67D7/80 E03C1/04 F21S8/00 F25D23/12 F25D27/00 G06F11/32 (Advanced/Invention); B65D5/64 B67D7/08 B67D7/80 F21S8/00 G06F11/00 (Core/Invention)

International class (IPC 1–7)**:** G01J3/00

CPC: B67D1/0875 B67D2210/00036 E03C1/0404 F25D23/126 F25D27/00 F25D2323/121 F25D2323/122 F25D2327/001

European class: B67D1/08F4 E03C1/04D F25D23/12B F25D27/00 L67D210/00D2B2 R25D323/121 R25D323/122 R25D327/001

US class: 222/113 222/113S 239/18 239/18S 239/20 239/20S 62/389 62/389P

Classification Explorer

Cited documents: US7404649 BB, US7360913 BB, US6804974 BA, US6791282 BB, US6679082 BA, US6126290 A, US4851662 A, US2236620 A, US2007139910 AA, US2006201190 AA, US2006196212 AA, US2005276035 AA, US2005268624 AA, US2005044871 AA, GB2393389 A1, GB2366361 A1,

Forward Citations: WO16032333, WO10119016, WO10119016, US9552706, US9488406, US9487384, US9285159, US9073743, US9045327, US8656728, US8505593, US8109301, US2016137476, US2015221206, US2014320040, US2014299628, US2013276472, US2013146612, US2013106097, US2012103001, US2012103000, US2012096892, US2011174008, US2011101026, US2011023524, US2010213212, EP2101003, CN102395847,

Abstract:
Source: US2008163641A A water dispenser including a light source that shines into a column of water produced by a nozzle is disclosed. The nozzle may be opaque, clear or semi–transparent. The water dispenser may be located in a household faucet, a refrigerator or any other appliance. The light source may vary in color to indicate either a consumer preference or a change in condition. The color selected may be controlled by a processor that is operatively connected to a display and/or one or more sensors. When in use, water is run through the nozzle to form a column. The light source shines into the column of water and may change color to indicate a preference or a change in condition.

0) US2012240425A – LAUNDRY TREATING APPARATUS

71) Family number: 49119741 (US2012240425A) © PatBase

Title: LAUNDRY TREATING APPARATUS

Priority: KR20090124596 20091215 WO2010KR08930 20101214

Family:

Publication number	Publication date	Application number	Application date
CN102656307 A	20120905	CN201080057023	20101214
CN102656307 B	20150708	CN201080057023	20101214
EP2514863 A1	20121024	EP20100837849	20101214
EP2514863 A4	20140416	EP20100837849	20101214
KR101053630 B1	20110804	KR20090124596	20091215
KR20110067833 A	20110622	KR20090124596	20091215
US2012240425 AA	20120927	US20100513769	20101214
WO11074853 A1	20110623	WO2010KR08930	20101214

Probable Assignee: LG ELECTRONICS INC

Assignee(s):(std)**:** LG ELECTRONICS INC ; LIM HYUNG GYU ; PARK HYE YONG

Inventor(s):(std)**:** GYU LIM HYUNG ; LIM HYUNG GYU ; PARK HYE YONG ; YONG PARK HYE

Agent(s): VOSSIUS AND PARTNER; KIM YONG IN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): D06B1/00 D06B15/09 D06F37/26 D06F58/10 D06F58/20 F26B25/06 (Advanced/Invention); D06F58/10 D06F58/20 (Advanced/Non–invention)

CPC: D06F58/20 D06F58/12 D06F58/203 D06F73/02 D06F58/10

European class: D06F58/10 D06F73/02

US class: 34/202 68/6

Classification Explorer

Cited documents: US8296967 BB, US7137211 BB, US5794818 A, US5505230 A, US4682424 A, US4295693 A, US4173379 A, US3682434 A, US2817501 A, US2324710 A, US2009113944 AA, US2009066205 AA, US2006255700 AA, US2004244439 AA, KR20100094796 A, KR20080090743 A, KR20080004028 A, KR20070109319 A, JP9140999 A2, JP2000225298 A2, GB2433109 A1, FR1270366 A, EP1876283 A1, CN1548634 A, CN101824734 A,

Forward Citations: USD743654, USD743653, USD743652, USD743130, USD743129, USD743128, USD743127, USD732776, USD732775, USD732774, USD732773, USD732772, USD732771, USD732770, USD732769, US9303349, US8621892, KR101295579, KR101295383, EP3034682, CN103054436,

Abstract:
Source: US2012240425A The present invention relates to a laundry treating apparatus which can make clothes drying, deodoring, crumple removal and sterilization easily, thereby preventing the clothes from damaging and having improved thermal insulation.

- **search:** SS10 sFT=((water or liquid) W1 (dispenser or storage or resevoir) and (spigot or valve or tap or faucet) and (removable W1 (top or lid)) and (grip* or handle*)) (Results 187)
- List: SS10 1–50 (sFT=((water or liquid) W1 (dispenser or storage or resevoir) and (spigot or valve or tap or faucet) and (removable W1 (top or lid)) and (grip* or handle*))) (Results 187)

0) US2011155750A – FLUID CONTAINER AND SUPPORT BRACKET THEREFOR

1) Family number: 48390184 (US2011155750A) © PatBase

Title: FLUID CONTAINER AND SUPPORT BRACKET THEREFOR

Priority: US20090275601P 20090831 US20090277318P 20090923 US20100807289 20100831 US20140281866 20140519

Family:

Publication number	Publication date	Application number	Application date
US2011155750 AA	20110630	US20100807289	20100831
US2014252014 AA	20140911	US20140281866	20140519
US8727244 BB	20140520	US20100807289	20100831
WO11025550 A1	20110303	WO2010US02405	20100831

Probable Assignee: RELAJ INC

Assignee(s):(std)**:** BERNSTEIN BRUCE ; BERNSTEIN REBECCA ; DIXON JON ; MARKS JONATHAN ; MCDONALD DAVID ; RELAJ INC

Inventor(s):(std)**:** BERNSTEIN BRUCE ; BERNSTEIN REBECCA ; DIXON JON ; MARKS JONATHAN ; MARKS JONATHON ; MCDONALD DAVID

Agent(s): FRIJOUF RUST AND PYLE PA; FRIJOUF DAVID A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A45F3/16 A47G19/22 B05B1/00 B05B1/34 B65D1/32 B65D25/40 B65D35/38 B65D37/00 B65D5/72 B65D51/16 (Advanced/Invention)

CPC: A47G19/2288 A47G19/2266 B62J11/00 A45F3/16

European class: A45F3/16 A47G19/22B12 B62J11/00

US class: 220/714 222/215 222/490 239/327 239/487 239/602

Classification Explorer

Cited documents: USD557653 S1, USD530261 S1, USD529859 S1, USD455707 S1, USD391222 S1, USD356542 S1, USD348641 S1, USD345134 S1, USD340217 S1, USD329628 S1, USD319421 S1, USD317146 S1, USD316389 S1, USD285186 S1, USD271852 S1, US7413244 BB, US7331489 BB, US7320410 BB, US7204382 BB, US7140509 BB, US6953135 BB, US6932255 BB, US6929135 BA, US6860404 BB, US6854629 BA, US6837407 BA, US6616021 BA, US6543660 BB, US6499615 BA, US6457691 BA, US6427928 BA, US6427890 BA, US6401997 BA, US6273283 BA, US6216929 BA, US6196413 BA, US6179146 BA, US6179146 B1, US6123065 A, US6059245 A, US6050444 A, US6050433 A, US6032841 A, US596998 A, US5901882 A, US5887774 A, US5878898 A, US5839632 A, US581767 A, US5810228 A, US5803328 A, US5788134 A, US5755368 A, US5704525 A, US5687861 A, US5676285 A, US5651471 A, US5624064 A, US5588548 A, US5582320 A, US5579948 A, US5513762 A, US5497920 A, US5484128 A, US5437389 A, US5423509 A, US5390836 A, US5388712 A, US5358142 A, US5353955 A, US5344055 A, US5337918 A, US5326006 A, US5320231 A, US5301860 A, US5301858 A, US5299720 A, US5282541 A, US5251777 A, US5249702 A, US5215231 A, US5178308 A, US5170981 A, US5158218 A, US5150815 A, US5145138 A, US5119978 A, US5117993 A, US5115952 A, US5109995 A, US5105958 A, US5105956 A, US5104016 A, US5065909 A, US5060832 A, US5048705 A, US5040709 A, US5024358 A, US4998652 A, US4976364 A, US4957227 A, US4955516 A, US4911339 A, US4852781 A, US4830240 A, US4815635 A, US4684032 A, US4640449 A, US4629098 A, US4544077 A, US4441638 A, US4437596 A, US4386721 A, US4366922 A, US4345704 A, US4274566 A, US4244477 A, US4147184 A, US4095812 A, US3840153 A, US3147888 A, US3143429 A, US2710108 A, US2010288723 AA, US2010084362 AA, US2008251492 AA, US2008237233 AA, US2008116238 AA, US2008087270 AA, US2007278273 AA, US2007175852 AA, US2007075094 AA, US2007062973 AA, US2007034594 AA, US2007012740 AA, US2006186076 AA, US2006131255 AA, US2006086758 AA, US2005279792 AA, US2005156001 AA, US2004256428 AA, US2004164047 AA, US2003102318 AA, US2003098324 AA, US2003094556 AA, US2002030059 AA, US1748681 A,

Forward Citations: WO15021015, WO14111489, WO14111489, USD767776, USD749956, US9402948, US9311806, US9095645, US8834433, US8562556, US2016236819, US2016176616, US2015352572, US2014354438, US2014039411, US2013075430, US2012277675, US2012145726,

Abstract:
Source: US2011155750A A fluid container is disclosed for retaining and dispensing a fluid into the mouth of an individual. The fluid container comprises a deformable body and defining an exterior surface and an interior chamber. An output end has an output orifice for positioning the fluid exterior to the interior chamber. A valve engages the output orifice for controlling the fluid flowing through the output orifice.

0) US2011226343A – METHOD AND APPARATUS FOR CARTRIDGE–BASED CARBON...

2) Family number: 49386706 (US2011226343A) © PatBase

Title: METHOD AND APPARATUS FOR CARTRIDGE–BASED CARBONATION OF BEVERAGES

Priority:

AU20110210627	20110131	AU20120290003	20120802	AU20130203669	20130411
AU20140202419	20140502	AU20140274512	20141208	AU20170204100	20170616
EP20110702766	20110131	CN201180017796	20110131	EP20140172953	20110131
CN201280048594	20120802	JP20120552021	20110131	EP20140163831	20110131
EP20140172953	20140618	EP20140198111	20110131	US20100337184P	20100201
US20110017459	20110131	WO2011US23157	20110131	US20110514676P	20110803
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JP20150120756	20150616	JP20150120755	20150616	JP20150120757	20150616
WO2012US49356	20120802				

Family:

Publication number	Publication date	Application number	Application date
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AU2011210627 BB	20140220	AU20110210627	20110131
AU2012290003 AA	20130207	AU20120290003	20120802
AU2013203669 AA	20130502	AU20130203669	20130411
AU2013203669 BB	20141127	AU20130203669	20130411
AU2014202419 AA	20140529	AU20140202419	20140502
AU2014202419 BB	20141127	AU20140202419	20140502
AU2014274512 AA	20150115	AU20140274512	20141208
AU2014274512 BB	20160421	AU20140274512	20141208
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DE602011031590 D1	20161201	DE201160031590T	20110131
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DK2921087 T3	20170130	DK20110198111T	20110131
EP2531080 A2	20121212	EP20110702766	20110131
EP2531080 B1	20141112	EP20110702766	20110131
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EP2786682 A1	20141008	EP20140172953	20110131	
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EP2921087 A1	20150923	EP20140198111	20110131	
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HK1213747 A1	20160715	HK20160101671	20130606	
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HK1216289 A1	20161104	HK20160104308	20130606	
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MX2012008857 A1	20121205	MX20120008857	20110131	
MX2014001332 A1	20140530	MX20140001332	20120802	
NZ602118 A	20140131	NZ20110602118	20110131	
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US2014335239 AA	20141113	US20140445521	20140729	
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WO11094677 A3	20111103	WO2011US23157	20110131	
WO13019963 A2	20130207	WO2012US49356	20120802	
WO13019963 A3	20130510	WO2012US49356	20120802	

Probable Assignee: KEURIG GREEN MOUNTAIN INC

Assignee(s):(std)**:** CAMPBELL NEIL LESTER ; CARROLL RAY ; COHEN MARK ; CHAN WAI ; CONSOLI FRANK ; DOBSON BARRY ; COHEN MARK JOSEPH ; COVEY CHRIS ; CAUWOOD PETER ; CHAN WAI TING ; GULLA SHAWN ; GREEN MOUNTAIN COFFEE ROASTERS INC ; HEMBER MILES WILLIAM NOEL ; JONES ROSS ; HARTLEY KEVIN ; ESTABROOK RICHARD ; HEWITT JIM ; JONES ROSS PETER ; HEMBER MILLES WILLIAM NOEL ; GRUBB SCOTT ; JACKSON THOMAS BATES ; HUOT CARLSON JENNIFER CAITLIN ; KEURIG GREEN MOUNTAIN INC ; MOTTRAM NIAL ALLAN ; MARTINEZ NICOLAS ALEJANDRO ; THOMPSON KEITH ; ROACH CHRIS ; MOTTRAM NIALL ALLAN ; O PREY CORMAC ; SCHMITT FABIEN YANNICK ; KILBY CHARLES FRAZER ; STACEY GARY ; SCHMITT CAMILLA ; ROLLINGS NICHOLAS DAVID ; WILKINS PAUL ; RICHARDSON CHRISTOPHER PAUL ; KEURIG GREEN MOUNTIAN INC ; PETERSON PETER ; PACKARD ROSS ; NOVAK THOMAS J ; ANGOTTI MARC ; KYURIG GRIN MAUNTIN INK

Assignee(s): BEDFORD SYSTEMS LLC ; O'PREY CORMAC ; KEURIG GREEN MOUNTAININC ; KEURIG GREEN MOUNTAIN INC WATERBURY ; GREEN MOUNTAIN COFFEE ROASTERS ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Inventor(s):(std)**:** ANGOTTI MARC ; ANGOTTI MARC M ; ANGOTTI MARK ; BARRY DOBSON ; CAMILLA SCHMITT ; CAMPBELL NEIL LESTER NL ; CARROLL RAY ; CARROLL RAY R ; CAUWOOD PETER P ; CHAN UAJ ; CHAN WAI ; CHAN WAI W ; CHARLES FRAZER KILBY ; CHRIS COVEY ; CHRIS ROACH ; CHRISTOPHER PAUL RICHARDSON ; COHEN MARK ; COHEN MARK M ; CONSOLI FRANK ; CONSOLI FRANK F ; CORMAC O PREY ; COVEY CHRIS C ; DOBSON BARRI ; DOBSON BARRY B ; DZHEKSON TOMAS BEJTS ; DZHONS ROSS ; ESTABROOK RICHARD ; ESTABROOK RICHARD R ; ESTABRUK RICHARD ; FABIEN YANNICK SCHMITT ; FRANK CONSOLI ; GARY STACEY ; GRABB SKOTT ; GRUB SCOTT ; GRUBB SCOTT S ; GULLA SHAWN S ; GULLA SHON ; HARTLEY KEVIN ; HARTLEY KEVIN K ; HEMBER MILES WILLIAM NOEL ; HEMBER MILES WILLIAM NOEL MWN ; HEWITT JIM ; HEWITT JIM J ; HUOT CARLSON JENNIFER CAITLIN JC ; JACKSON THOMAS BATES TB ; JENNIFER CAITLIN HUOT CARLSON ; JIM HEWITT ; JONES ROSS ; JONES ROSS R ; KAUVUD PITER ; KAVEJ KRIS ; KEITH THOMPSON ; KEMPBELL NEJL LESTER ; KEROLL REJ ; KEVIN HARTLEY ; KHARTLI KEVIN ; KHEMBER MAJLS UILYAM NOEL ; KHUOT KARLSON DZHENNIFER KEJTLIN ; KHYUITT DZHIM ; KILBI CHARLZ FRAZER ; KILBY CHARLES FRAZER CF ; KOEN MARK ; KONSOLI FRANK ; MARC ANGOTTI ; MARK COHEN ; MARTINEZ NICHOLAS ALEJANDRO ; MARTINEZ NICOLAS ALEJANDRO NA ; MARTINEZ NIKOLAS ALEKHANDRO ; MILES WILLIAM NOEL HEMBER ; MOTTRAM NIAL ALLAN ; MOTTRAM NIAL ALLAN NA ; NEIL LESTER CAMPBELL ; NIAL ALLAN MOTTRAM ; NICHOLAS DAVID ROLLINGS ; NICOLAS ALEJANDRO MARTINEZ ; NOVAK THOMAS ; PETERSON PITER ; RAY CARROLL ; RICHARD ESTABROOK ; RICHARDSON CHRISTOPHER PAUL CP ; RICHARDSON KRISTOFER POL ; ROACH CHRIS C ; ROLLINGS NICHOLAS DAVID ND ; ROLLINGS NIKOLAS DEVID ; ROSS JONES ; ROSS PACKARD ; ROUCH KRIS ; SCHMITT CAMILLA C ; SCHMITT FABIEN YANNICK FY ; SCOTT GRUBB ; SHAWN GULLA ; SHMITT FABIEN YANNIK ; SHMITT KAMILLA ; STACEY GARY G ; STEJSI GERI ; THOMAS BATES JACKSON ; THOMAS J NOVAK ; THOMPSON KEITH K ; TOMPSON KEJT ; UILKINS POL ; WAI CHAN ; WILKINS PAUL P ; WILKINS PAUL ; THOMPSON KEITH PAUL ; THOMPSON KEITH ; STACEY GARY ; SCHMITT FABIEN YANNICK ; SCHMITT CAMILLA ; ROLLINGS NICHOLAS DAVID ; ROACH CHRIS ; RICHARDSON CHRISTOPHER PAUL ; O PREY CORMAC ; MOTTRAM NIALL ALLAN ; MARTINEZ NICOLAS ALEJANDRO ; KILBY CHARLES FRAZER ; KILBY CHARLES ; JONES ROSS PETER ; JACKSON THOMAS BATES ; HUOT CARLSON JENNIFER CAITLIN ; HEWITT JAMES ; HEMBER MILLES WILLIAM NOEL ; GRUBB SCOTT ; DOBSON BARRY ; COVEY CHRIS ; COHEN MARK JOSEPH ; CHAN WAI TING ; CAUWOOD PETER DAVID ; CAUWOOD PETER ; CARLSON JENNIFER CAITLIN HUOT ; CAMPBELL NEIL LESTER ; PETERSON PETER ; PACKARD ROSS ; NOVAK THOMAS J ; GULLA SHAWN ; NOVAK THOMAS J TJ ;

NOVAK TOMAS DZH ; O PREJ KORMAK ; PAKARD ROSS ; PAUL WILKINS ; PETER CAUWOOD ; PETER PETERSON ; PETERSON PETER P ; OPREY CORMAC C ; PACKARD ROSS R

Inventor(s): PACKARD ROSS SOUTH BURLINGTON ; PETERSON PETER WATERBURY ; OPREY CORMAC ; O'PREY CORMAC ; NOVAK THOMAS J STOWE ; GULLA SHAWN GRAND ISLE

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR; ROBIC; SARGENT AND KRAHN; HARRISON GODDARD FOOTE; BARKER ROSEMARY ANNE; HGF LTD; LEHMANN MARIA ISABEL; YKI PATENT ATTORNEYS; WOLF GREENFIELD AND SACKS PC; HUNT ROBERT E; HUNT ROBERT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A23G9/20 A23L2/00 A23L2/40 A23L2/54 A47J31/40 A47J31/41 A47J31/44 B01F1/00 B01F15/02 B01F3/04 B65D85/73 B65D85/804 B65D85/816 B67D B67D1/00 B67D1/04 B67D1/07 B67D1/08 B67D3/00 F17C11/00 (Advanced/Invention);
A47J31/40 A47J31/41 B67D1/00 B67D3/00 (Core/Invention);
A23L2/54 B65D85/73 B67D1/04 (Core/Non–invention);
A23G A23L A47J B01F B67D (Subclass/Invention)

CPC: B01F3/04248 B01F3/04758 B01F5/0606 B01F5/10 B67D1/0078 B67D1/0043 B67D1/0057 B67D1/008 B67D1/0443 B67D3/0019 Y10S261/07 B01F3/04808 B01F15/0205 B01F15/0206 B65D85/8043 B01F3/04787 B01F3/04815 B01F2215/0022 F17C11/00 B01F3/0446 A23L2/54 A47J31/407 B65D85/73 B67D1/0406 A47J31/41 Y10T137/0385 A23L2/40 A47J31/00 A47J31/44 B01F3/04 B01F3/04099 B67D1/04 B67D3/00 B67D2001/0812 B67D1/00

European class: A23L2/54 A47J31/40H A47J31/41 B01F15/02B6 B01F15/02B6B B01F3/04C8G

US class: 137/12.5 137/12.500P 206/0.7 261/DIG.7 426/115 426/394 426/425 426/431 426/477 426/519 426/590 99/323.2 99/323.200S

Locarno class: 20/67

Classification Explorer

Cited documents: WO09088285 A1, WO08132571 A1, WO08124851 A1, WO08115047 A1, WO07114685 A1, WO06098231 A1, WO05080223 A1, WO05077811 A2, US7407154 BB, US7288276 BB, US7267247 BA, US7165488 BB, US716474 A, US7114707 BB, US7094434 BB, US6758130 BB, US6712342 BB, US6644173 BB, US6606938 BB, US6477743 BA, US6364103 BA, US6324850 BA, US6276551 BA, US627 A, US6253960 BA, US6250346 BA, US6182949 BA, US6142063 A, US6138995 A, US61337184, US5992685 A, US5967368 A, US5840189 A, US5743433 A, US5624645 A, US5611937 A, US5565149 A, US5553749 A, US5549037 A, US5510060 A, US5427258 A, US5391163 A, US5350587 A, US5330075 A, US5312017 A, US5242077 A, US5192513 A, US5192513, US5188257 A, US5182084 A, US5160461 A, US5128084, US5124088 A, US5115956 A, US5102627 A, US5102 A, US5073312 A, US5071595 A, US5021219 A, US5011700 A, US4993592 A, US4967936 A, US4940164 A, US4927569 A, US4927567 A, US4917267 A, US4867993 A, US4839107 A, US4826695 A, US4808346 A, US4804112 A, US4719056 A, US4688701 A, US4636337 A, US4520950 A, US4493441 A, US4475448 A, US4458584 A, US4387809 A, US4355735 A, US4316409 A, US4247001 A, US4214011 A, US4186215 A, US4123390 A, US4110255 A, US4110255, US4040342 A, US4025655 A, US4011733 A, US4007134 A, US3930053 A, US3888998 A, US3851797 A, US3851797, US3730336 A, US3711011 A, US3628444 A, US3596801 A, US2912018 A, US2745751 A, US2695238 A, US2219032 A, US2201430 A, US2073273 A, US2072350 A, US2011020508 AA, US2010263545 AA, US2010251901 AA, US2010237163 AA, US2010159077 AA, US2010154906 AA, US2010139496 AA, US2010133708 AA, US2009311384 AA, US2009282987 AA, US2009212060 AA, US2008257855 AA, US2008148948 AA, US2006049215 AA, US2006000851 AA, US2005252381 AA, US2005029287 AA, US2004238475 AA, US2004228955 AA, US2004134932 AA, US2003188540 AA, US2003080443 AA, US2002078831 AA, US1945489 A, US1889111 A, US1592395 A, US02912018, RU2306839, KR20070097420, KR200173575 Y, JP671149, JP6182000, JP61082000 A2, JP6071149 A2, JP6071149, JP57211691 A2, JP57211691, JP54026387 A2, JP54026387, JP53101588 A2, JP53101588, JP53101587 A2, JP53101587, JP53091181 A2, JP53091181, JP53091180 A2, JP53091180, JP5050845 U, JP50151795 A2, JP50151795, JP50050845 U1, JP4861664, JP48061664 A2, JP4201882 A2, JP3503983 T2, JP3503983, JP2008114926 A2, JP2008114926, JP2003231592 A2, JP1139128 A2,

JP1133917 A2, GB2234187 A1, GB2076628 A1, GB2038953 A1, GB1143742 A, GB1051012 A, EP1704803 A1,

DE102007001609 A1

DE102007001609, CN2647193 Y, CN1044412 A,

Forward Citations: WO17075167, WO17075167, WO16130452, WO16114490, WO16081480, WO16081477, WO16071155, WO16064791, WO16064787, WO16052861, WO16023726, WO15135826, WO15111065, WO15099943, WO15081145, WO15028592, WO14197373, WO14116976, WO14063103, WO14033705, WO14000092, USD752391, USD743786, USD743252, USD738150, USD731223, USD720516, USD711621, USD703039, USD695111, USD694620, USD675091, USD675090, USD675089, US9723863, US9700852, US9700171, US9695030, US9693651, US9675203, US9630770, US9629494, US9615597, US9604835, US9538877, US9527661, US9521924, US9521923, US9516970, US9505510, US9487348, US9481508, US9468230, US9463921, US9452879, US9408493, US9408492, US9402405, US9382119, US9364018, US9346611, US9339056, US9327900, US9295278, US9215946, US9198455, US9161654, US9149151, US9149150, US9149149, US9144343, US9114368, US9108794, US9107449, US9107448, US8985561, US8906436, US2017143158, US2017065121, US2017055761, US2015353335, US2015257586, US2015173562, US2015140184, US2014373722, US2014332101, US2014154368, US2014116257, US2014072678, US2014034667, US2013344205, US2013233180, US2013029016, US2013011520, US2011073607, JP2017506088, JP2015534498, GB2521785, EP2961283, EP2890277, EP2866593, DE102013109619, DE10002115, DE10002115, CN105431359, CN104582509, CN103654407,

Abstract:
Source: US2011226343A Systems, methods and cartridges for carbonating a precursor liquid, such as water, to form a beverage. A carbon dioxide source can be provided in a cartridge which is used to generate carbon dioxide gas that is dissolved into the precursor liquid. A beverage medium, such as a powdered drink mix or liquid syrup, may be provided in the same, or a separate cartridge as the carbon dioxide source and mixed with the precursor liquid to form a beverage. The use of one or more cartridges for the carbon dioxide source and/or beverage medium may make for an easy to use and mess−free system for making carbonated beverages, e.g., in the consumer's home.

0) US2005269361A – PORTABLE BOTTLED WATER DISPENSER

3) Family number: 32475576 (US2005269361A) © PatBase

Title: PORTABLE BOTTLED WATER DISPENSER

Priority: US20040575797P 20040529 US20050139220 20050527 US20060339594 20060124 US20080019605 20080124 US20070701887 20070202

Family:

Publication number	Publication date	Application number	Application date
US2005269361 AA	20051208	US20050139220	20050527
US2006124665 AA	20060615	US20060339594	20060124
US2007131716 AA	20070614	US20070701887	20070202
US2008110931 AA	20080515	US20080019605	20080124
US7182222 BB	20070227	US20060339594	20060124
US7328818 BB	20080212	US20050139220	20050527
US7490739 BB	20090217	US20080019605	20080124
WO05118461 A2	20051215	WO2005US18875	20050528
WO05118461 A3	20070104	WO2005US18875	20050528
WO07087222 A2	20070802	WO2007US01348	20070119
WO07087222 A3	20080424	WO2007US01348	20070119
WO07087222 C1	20071101	WO2007US01348	20070119

Probable Assignee: PRABUCKI ROBERT W

Assignee(s):(std)**:** PRABUCKI ROBERT W

Inventor(s):(std)**:** PRABUCKI ROBERT W

Inventor(s): PRABUCKI ROBERT

Agent(s): CHERNOFF VILHAUER MCCLUNG AND STENZEL; J DOUGLAS; CHERNOFF VILHAUER MCCLUNG AND STENZEL LLP; WELLS J DOUGLAS; CHERNOFF VILHAUER MCCLUNG AND STENZEL LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B67D1/00 B67D1/08 B67D3/00 B67D5/06 B67D5/56 B67D5/62 B67D7/06 B67D7/74 B67D7/78 B67D7/80 B67D7/84 F25B21/02 F25B25/02 (Advanced/Invention); B67D1/00 (Advanced/Non–invention); B67D3/00 B67D7/06 B67D7/74 B67D7/78 B67D7/80 B67D7/84 F25B25/00 (Core/Invention); B67D1/00 (Core/Non–invention)

International class (IPC 1–7): B67D5/06

CPC: B67D1/0869 B67D3/0029 B67D2210/00128 B67D3/0009 F25B21/04 F25B27/002

European class: B67D1/08D4 B67D3/00C B67D3/00H F25B21/04 F25B27/00B L67D210/00D16

US class: 222/129.1 222/129.100P 222/146.1 222/146.100P 222/146.6 222/146.600P 222/175 222/183 222/185.1 222/185.100S 222/608 62/3.64 62/36.4 62/364 62/389

Classification Explorer

Cited documents: USD502059 S1, USD313330 S1, USD292466 S1, USD289724 S1, USD277255 S1, US7328818 BB, US7182222 BB, US6980788 BB, US6960717 BB, US6931756 BB, US6871675 BA, US6868986 BA, US6830167 BB, US6793099 BA, US6786255 BA, US6783034 BA, US6751963 BB, US6739150 BB, US6675593 BA, US6648184 BA, US6616013 BB, US6547317 BA, US6457317 BA, US6354511 BA, US6305185 BA, US6269980 BA, US6193894 BA, US6182453 BA, US6155460 A, US6080971 A, US6073539 A, US6059143 A, US6058718 A, US6021642 A, US6012790 A, US5969501 A, US5868986 B1, US5868986 A, US5866880 A, US5845504 A, US5842606 A,

US5772075 A, US5766453 A, US5752661 A, US5699669 A, US5692454 A, US5647416 A, US5638991 A, US5636852 A, US5619856 A, US5616243 A, US5573142 A, US5553751 A, US552632 A, US5501077 A, US5449093 A, US5447256 A, US5447041 A, US5405052 A, US5397700 A, US5395014 A, US5390826 A, US5385275 A, US5379596 A, US5356045 A, US5310088 A, US5297700 A, US5246141 A, US5235822 A, US5195004 A, US5172832 A, US5153561 A, US5123720 A, US5072590 A, US5058718 A, US4993229 A, US4981019 A, US4958747 A, US4928856 A, US4913713 A, US4899911 A, US4895418 A, US4866945 A, US4833888 A, US4823554 A, US4779426 A, US4646944 A, US4629096 A, US4409961 A, US4367633 A, US4341328 A, US4320626 A, US4293082 A, US3933275 A, US3824801 A, US3325058 A, US3170601 A, US2080787 A, US2006003216 AA, US2005284167 AA, US2005284151 AA, US2005268962 AA, US2005257827 AA, US2005233189 AA, US2005194404 AA, US2005160620 AA, US2005139552 AA, US2005133082 AA, US2005116872 AA, US2005103212 AA, US2005087260 AA, US2005076665 AA, US2005029298 AA, US2004129723 AA, US2004055313 AA, US2003213755 AA, US2003157893 AA, US2003136797 AA, US2003076672 AA, US2003070708 AA, US2002139815 AA, US2002134091 AA, US2001004081 AA, US1673007 A, US1619120 A, US1078214 A,

Forward Citations: WO12170013, WO08112535, WO07106994, USD730673, USD727693, USD703392, USD688537, USD682484, USD678624, USD655053, US9717114, US9580291, US9572730, US9538581, US9505601, US9475682, US9448000, US9399570, US9392646, US9377223, US9290890, US9241600, US9126747, US8973787, US8857882, US8820593, US8777059, US8763857, US8695371, US8684050, US8495893, US8258443, US8123069, US8070023, US8066152, US7490739, US7464836, US2016101001, US2015375918, US2015230641, US2014291350, US2014252040, US2013334256, US2013240562, US2013233438, US2013221030, US2013042941, US2012175013, US2012090333, US2012086243, US2011163128, US2011139672, US2011068126, US2010252569, US2010199711, US2010170656, US2010154463, US2010050677, US2009321443, US2009302038, US2009140006, US2008302822, US2008217363, US2008217362, US2008217361, US2008148763, US2008110931, US2007131716, FR2928907, EP2103565, CN102641083, AU2008226514,

Abstract:
Source: US2005269361A The present invention provides a compact and short profile portable bottled beverage dispenser for gravitationally dispensing a liquid from an inverted standard sized bottle such as the 3– or 5–gallon bottles commonly used in the drinking water industry. In one embodiment, the dispenser includes a removable top made of a rigid material and closeable over a space large enough to hold and fully enclose the inverted standard sized bottle, a base having a substantially flat bottom surface for maintaining the inverted standard sized bottle in an inverted position and mating surfaces for receiving the removable top, a collar having an aperture sized to receive a neck portion of the inverted standard sized bottle and disposed within the base for supporting the inverted standard sized bottle in the inverted position, a reservoir attached to the collar for receiving the liquid from the inverted standard sized bottle, whereby the neck portion of the inverted standard sized bottle extends downward through the aperture of the collar into the reservoir, and a spigot extending from the reservoir for dispensing the liquid from the reservoir. In one embodiment, the dispenser includes shoulder straps and handles for carrying the dispenser and tie downs for securing the dispenser to an object such as a bench, chain link fence, or pickup truck bed. In another embodiment, the dispenser comprises a vehicle utility box having a space large enough to hold the inverted standard sized water bottle and a base for maintaining the inverted standard sized water bottle in an inverted position.

0) US5943944A – BREWING SYSTEM WITH HOT WATER URN FLUSHING APPA...

4) Family number: 12119705 (US5943944A) © PatBase

Title: Brewing system with hot water urn flushing apparatus

Priority: US19960026275P 19960918 US19970932497 19970918 US19970932498 19970918 US19970933606 19970918 US19970933027 19970918 US19970933258 19970918 US19970936473 19970918 US19990400051 19990921 US20020317574 20021210 WO1997US16637 19970918 WO1997US16637 19970918 US20030353352 20030129

Family:

Publication number	Publication date	Application number	Application date
CA2265970 AA	19990317	CA19972265970	19970918
CA2265970 C	20051227	CA19972265970	19970918
EP1011399 A1	20000628	EP19970942585	19970918
EP1011399 A4	20020731	EP19970942585	19970918
KR100574590 B1	20060428	KR19997002331	19970918
KR20000036245 A	20000626	KR19997002331	19990318
KR20000036245 A	20000626	KR19997002331	19970918
US5943944 A	19990831	US19970932497	19970918
US5953981 A	19990921	US19970932498	19970918
US6035761 A	20000314	US19970936473	19970918
US6044753 A	20000404	US19970933606	19970918
US6135009 A	20001024	US19970933027	19970918
US6543335 BA	20030408	US19990400051	19990921
US6668704 BA	20031230	US19970933258	19970918
US6706300 BA	20040316	US20020317574	20021210
US7234389 BA	20070626	US20030353352	20030129
WO9811809 A1	19980326	WO1997US16637	19970918

Probable Assignee: FOOD EQUIP TECHNOLOGIES CO INC

Assignee(s):(std)**:** FOOD EQUIP TECHNOLOGIES CO INC

Assignee(s): FOOD EQUIPMENT TECHNOLOGIES CO ; FOOD EQUIPMENT TECHNOLOGIES CO INC ; FOOD EQUIPMENT TECHNOLOGIES COMPANY INC ; LASSOTA ZBIGNIEW G

Inventor(s):(std)**:** LASSOTA ZBIGNIEW G

Agent(s): FINLAYSON AND SINGLEHURST; JAMES W; LAW OFFICES OF POTTHAST AND ASSOCIATES

Designated states: AT BE CA CH DE DK ES FI FR GB GR IE IT KR LU MC MX NL PL PT RU SE

International class (IPC 8–9)**:** A47J31/00 A47J31/06 A47J31/24 A47J31/44 A47J31/46 A47J31/50 A47J31/56 A47J31/60 (Advanced/Invention); A47J31/24 (Advanced/Non–invention)

International class (IPC 1–7)**:** A23L1/28 A23L3/16 A23L5/00 A47J31/00 A47J31/06 A47J31/24 A47J31/40 A47J31/44 A47J31/46

CPC: A47J31/007 A47J31/0621 A47J31/446 A47J31/4467 A47J31/465 A47J31/467 A47J31/50 A47J31/56 A47J31/60 A47J31/002 A47J31/06 A47J31/52 A47J31/24

European class: A47J31/00M A47J31/00R A47J31/06 A47J31/06F A47J31/44A2 A47J31/44A4 A47J31/44A4D A47J31/46S2 A47J31/46S4 A47J31/50 A47J31/52 A47J31/56 A47J31/60

US class: 141/231 141/352 222/146.5 426/433 426/435 99/275 99/279 99/280 99/281 99/282 99/283 99/286 99/290 99/291 99/299 99/300 99/304 99/305 99/306 99/307 992/810 992/830 992/860 993/60

Classification Explorer

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A, US5133247 A, US5111740 A, US5000082 A, US4857758 A, US4833978 A, US4811657 A, US4809594 A, US4773313 A, US4662271 A, US4621571 A, US4606476 A, US4579048 A, US4482066 A, US4407315 A, US4098175 A, US3945411 A, US3270918 A, US1851183 A, US1725338 A,

Forward Citations: WO13130576, WO13103793, WO13078437, WO09038989, WO08144471, WO08011042, WO06131207, USD677510, US9723944, US9668606, US9504974, US9402406, US9386877, US9307856, US9247846, US9131806, US9084509, US8974846, US8960999, US8950317, US8887622, US8844426, US8794127, US8791393, US8651333, US8621983, US8621982, US8621980, US8584900, US8567304, US8534187, US8522668, US8438968, US8397625, US8371211, US8327755, US8119953, US8107803, US8087346, US8075935, US8037811, US7921658, US7836820, US7827904, US7770510, US7673555, US7669740, US7640845, US7640844, US7610848, US7380494, US7322274, US7207266, US7202449, US7182970, US6934602, US6931984, US6792847, US6701826, US6659048, US6439105, US6428627, US6401729, US6227101, US6173458, US2015135964, US2013174743, US2013036914, US2012234183, US2011231306, US2011182652, US2011070348, US2011017776, US2010229730, US2010183778, US2010107887, US2010107885, US2010034943, US2010024657, US2009284157, US2009259570, US2009235826, US2009181143, US2009114734, US2009095165, US2009074930, US2009031901, US2008185803, US2008063772, US2008041233, US2008041231, US2008028944, US2008017042, US2007251395, US2007175337, US2007157820, US2007068393, US2007034085, US2006278092, US2006278090, US2006261088, US2006213376, US2006016343, US2005284304, US2005223925, US2005115986, US2005061156, US2004261624, US2004118298, US2004065208, US2004050259, KR101245077, KR101210771, JP2015042319, JP2014208269, GB2449630, GB2449630, EP3172997, EP2800500, EP1771103, EP1491121, EP1157647, CN101742951,

Abstract:
Source: US5943944A A brewing system (30) with a water dispensing brew valve (176) for controlling the passage of water through the beverage ingredient (186) and a by−pass valve (170) for passage of hot water through a brew basket (180) but past the beverage ingredient (186) having a controller (158) with a brew start switch (50) for controlling the brew valve (176) also has a flush switch (54") for opening independently of the brew switch (50), the brew valve (176) and also the by−pass valve (170) to flush a dispenser urn (66).

0) US2004149136A – SYSTEMS USEFUL FOR BEVERAGE MAKING MACHINES

5) Family number: 30574298 (US2004149136A) © PatBase

Title: SYSTEMS USEFUL FOR BEVERAGE MAKING MACHINES

Priority: CA20022411809 20021108 CA20022660302 20021108 CA20092411809 20090424 US20070728421 20070326 US20060493106 20060726 WO2003CA01718 20031110 US20030705411 20031110 US20100780474 20100514

Family:

Publication number	Publication date	Application number	Application date
AT407612 E	20080915	AT20030773393T	20031110
AU2003281879 AA	20040607	AU20030281879	20031110
CA2411809 AA	20040508	CA20022411809	20021108
CA2411809 C	20090623	CA20022411809	20021108
CA2660302 AA	20040508	CA20022660302	20021108
CA2660302 C	20130507	CA20022660302	20021108
DE60323527 D1	20081023	DE20036023527	20031110
EP1558118 A2	20050803	EP20030773393	20031110
EP1558118 B1	20080910	EP20030773393	20031110
HK1079069 A1	20090508	HK20060101019	20060123
HK1079069 A3	20060331	HK20060101019	20060123
JP2006505311 T2	20060216	JP20040548993T	20031110
JP4343842 B2	20091014	JP20040548993T	20031110
US2004149136 AA	20040805	US20030705411	20031110
US2006261085 AA	20061123	US20060493106	20060726
US2008034977 AA	20080214	US20070728421	20070326
US2010219201 AA	20100902	US20100780474	20100514
US7441495 BB	20081028	US20060493106	20060726
WO04041043 A2	20040521	WO2003CA01718	20031110
WO04041043 A3	20040923	WO2003CA01718	20031110

Probable Assignee: KEURIG CANADA INC

Assignee(s):(std)**:** VKI TECHNOLOGIES INC ; NORMANDEAU JOE ; HARNOIS MARTIN ; HALLE PATRICK ; HACHE DENIS ; DECLOS ROBERT ; THERIAULT ERIC ; GRENIER PASCAL ; GRANT STEPHEN ; GAUTHIER ANDRE ; BOULIANE REJEAN ; BOURGOUIN ROGER ; BRAZEAU PATRICK

Assignee(s): CREDIT SUISSE CAYMAN ISLANDS BRANCH AS COLLATERAL ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGE ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AS ; KEURIG CANADA INC

Inventor(s):(std)**:** GAUTHIER ANDRE ; GRANT STEPHEN ; GRENIER PASCAL ; HACHE DENIS ; HALLE PATRICK ; HARNOIS MARTIN ; NORMANDEAU JOE ; NROMANDEAU JOE ; BOUILIANE REJEAN ; BOULIANE REJEAN ; BOURGOUIN ROGER ; BRAZEAU PATRICK ; DECLOS ROBERT ; THERIAULT ERIC

Inventor(s): ANDRE GAUTHIER ; DENIS HACHE ; ERIC THERIAULT ; PASCAL GRENIER ; PATRICK BRAZEAU ; PATRICK HALLE ; REJEAN BOULIANE ; ROBERT DECLOS ; ROGER BOURGOUIN ; STEPHEN GRANT ; JOE NORMANDEAU ; MARTIN HARNOIS

Agent(s): BCF LLP; ROBIC; HOFFMANN JOERG PETER; TIMOTHY E NAUMAN ESQ FAY SHARPE FAGAN MINNICH AND MCKEE LLP; FAY SHARPE LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47J31/00 A47J31/24 A47J31/40 A47J31/44 A47J31/46 A47J31/54 A47J47/01 B65D83/06 B65G33/08 B65G33/24 B67D1/08 B67D5/08 B67D5/10 B67D5/14 B67D5/32

B67D5/34 B67D5/38 B67D7/08 B67D7/10 B67D7/14 B67D7/32 B67D7/36 B67D7/56 B67D7/82 G07F13/06 (Advanced/Invention);
A47J (Subclass/Invention)

International class (IPC 1–7): A23F3/00 A47J31/40 A47J47/01

CPC: A47J31/401 A47J31/404

European class: A47J31/40C A47J31/40E

US class: 141/351 222/146.2 222/146.200S 222/23 222/23P 222/23S 222/40 222/40S 222/54 222/54P 222/563 222/563S 99/275 99/275P 99/275S 99/295 99/299 99/323.3 99/323.300P 99/323.300S

Classification Explorer

Cited documents: WO9507041 A1, WO0064318 A1, WO0044268 A1, WO0038558 A1, US6571686 BA, US6450371 BA, US6389948 BA, US6289948 BA, US5957036 A, US5791526 A, US5421491 A, US5133247 A, US4665808 A, US4541552 A, US4357861 A, US4191101 A, US3682090 A, US3586214 A, US3072299 A, US3046869 A, US3046856 A, US2911901 A, US2183837 A, US2002960054, US2002096054 AA, US046662, EP1224894A18, EP1224894 A1, EP0640311 A1, EP0331271 A1, CA1144117 A1,

Forward Citations: WO12136643, WO10063035, WO10063035, WO10043313, WO09140349, WO09140349, WO09000836, WO09000836, WO08155063, WO08155063, WO08049222, US9394153, US9107537, US8820218, US8820214, US8651013, US8622257, US8541042, US8535748, US8528466, US8524306, US8418603, US8414953, US8328411, US8161865, US8114459, US8114458, US8114457, US8043645, US7975882, US7802514, US7258061, US2015150294, US2014373969, US2014030418, US2012031278, US2010126353, US2009285966, US2008302249, US2008245239, US2008166463, US2008053314, US2007290003, US2006207433, TWI457101, RU2484752, KR101249124, EP2123201, EP1867258, CN103596475,

Abstract:
Source: US2004149136A Various systems are provided which may be used in a beverage machine for dispensing one or more, (in particular a plurality of) beverage types. A beverage machine may thus comprise one or more systems selected from the group consisting of i) a conveyance system for the dispensing of particulate material; ii) a beverage selection system providing for the possibility of selecting from among a class of beverages; and iii) a hot water dispensing system which may have a system for detecting the absence of water in the fluid conduit component thereof.

6) Family number: 33150515 (US2006163165A) © PatBase

Title: METHOD FOR END–TO–END CONTROL OF WATER QUALITY

Priority: US20050183395 20050718 US20050645625P 20050121 US20050718953P 20050921 US20060533821 20060921 US20060787713P 20060331 US20060809286P 20060531 US20090356114 20090120 US20090645692 20091223 US20100906706 20101018

Family:

Publication number	Publication date	Application number	Application date
US2006163165 AA	20060727	US20050183395	20050718
US2007012628 AA	20070118	US20060533821	20060921
US2009132089 AA	20090521	US20090356114	20090120
US2010100242 AA	20100422	US20090645692	20091223
US2011029410 AA	20110203	US20100906706	20101018
US7497957 BB	20090303	US20060533821	20060921
US7670494 BB	20100302	US20090356114	20090120
US7767093 BB	20100803	US20050183395	20050718
US7820059 BB	20101026	US20090645692	20091223
US8377314 BB	20130219	US20100906706	20101018

Probable Assignee: FRANK BERNARD

Assignee(s):(std)**:** FRANK BERNARD

Inventor(s):(std)**:** FRANK BERNARD

Agent(s): MCKEE VOORHEES AND SEASE PLC; MCKEES VOORHEES AND SEASE PLC

International class (IPC 8–9)**:** B01J39/00 C02F1/00 C02F1/04 C02F1/32 C02F1/44 C02F1/76 C02F1/78 G05B21/00 G06Q30/00 (Advanced/Invention); B01J39/00 C02F1/00 C02F1/32 C02F1/44 C02F1/76 C02F1/78 G05B21/00 (Core/Invention)

CPC: Y10S210/92 C02F1/008 C02F1/001 C02F1/52 C02F1/56 C02F1/76 C02F9/00 C02F2201/006 C02F2209/003 C02F2209/008 C02F2209/05 C02F2209/06 C02F2209/08 C02F2209/11 C02F2209/22 C02F2209/40 C02F2303/04 G06Q30/0641

European class: C02F1/00T G06Q30/0641 M02F1/00D M02F1/52 M02F1/56 M02F1/76 M02F201/00D8 M02F209/00D M02F209/00T4 M02F209/05 M02F209/06 M02F209/08 M02F209/11 M02F209/22 M02F209/40 M02F303/04 M02F9/00

US class: 203/10 203/10S 210/184 210/650 210/650S 210/668 210/739 210/748 210/748.01 210/748.1 210/748.100S 210/749 210/753 210/753S 210/760 210/760S 210/767 210/767S 210/85 210/920 700/271 700/271P 702/184 705/1.1 705/27.1 705/27.100P

Classification Explorer

Cited documents: US7767093 BB, US7670494 BB, US7497957 BB, US6980962 BA, US6753186 BB, US6517707 BB, US6491811 BB, US6444172 BB, US6408227 BA, US6379560 BA, US6245224 BA, US6099735 A, US5873996 A, US2006249454 AA, US2003168389 AA, US2003145646 AA, US2003066788 AA, US2003014259 AA, US2002134714 AA, US2002130069 AA, AU692750 B3, AU692750,

Forward Citations: WO12151535, US9683924, US9651400, US9568392, US9464412, US9365437, US9206058, US9105181, US9053519, US8994551, US8869612, US8805594, US8702977, US8583386, US8377314, US8341106, US8279080, US8278779, US7920983, US7820059, US7767093, US7670494, US2016096742, US2014278246, US2014180761, US2013273208, US2012323380, US2012125203, US2011320134, US2011288899, US2011284433, US2011215945, US2011030482, US2010282692, US2010100242, US2009132089, US2007284293, US2006163165, AU2012250586,

Abstract:
Source: US2006163165A A method of providing end–to–end water quality control from a water system operator to a point of delivery proximate a consumer. The method includes treating the water and delivering the water to the consumer at the point of delivery, filtering/purifying the water at the point of delivery, monitoring water quality at the point of delivery, reporting water quality at the point of delivery to the water system operator over a network, monitoring total water volume at the point of delivery, and reporting total water volume at the point of delivery to the water system operator over a network.

0) US2004178222A – REFRIGERATOR LIQUID DISPENSER

7) Family number: 30064830 (US2004178222A) © PatBase

Title: REFRIGERATOR LIQUID DISPENSER

Priority: US20020382756P 20020523 US20030446281 20030523 WO2003US16400 20030523

Family:

Publication number	Publication date	Application number	Application date
AU2003237238 AA	20031212	AU20030237238	20030523
EP1551718 A2	20050713	EP20030736704	20030523
JP2005527438 T2	20050915	JP20040507333T	20030523
KR20050026390 A	20050315	KR20047018760	20030523
US2004178222 AA	20040916	US20030446281	20030523
US6935533 BB	20050830	US20030446281	20030523
WO03099664 A2	20031204	WO2003US16400	20030523
WO03099664 A3	20040304	WO2003US16400	20030523

Probable Assignee: RUBBERMAID INC

Assignee(s):(std)**:** RUBBERMAID INC

Assignee(s): CLAUSEN KENNETH F ; KERN LISA A ; PETERSON RICH

Inventor(s):(std)**:** CLAUSEN KENNETH F ; KERN LISA ; KERN LISA A ; PETERSON RICH

Inventor(s): RICH PETERSON ; LISA KERN ; KENNETH F CLAUSEN

Agent(s): MARSHALL GERSTEIN AND BORUN LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B65D1/20 B65D21/02 B65D25/28 B65D83/00 B67D3/00 F25D23/12 (Advanced/Invention); B65D1/20 B65D21/02 B65D25/28 (Advanced/Non–invention)

International class (IPC 1–7): A47J39/00 A47J41/00 B65D1/20 B65D21/02 B65D25/28 B65D81/38 B65D83/00 B65D83/72 B67D3/00 B67D5/60 B67D5/62 F25D23/12

CPC: B65D1/20 B65D21/0231 B65D25/2894 B67D3/0025 F25D23/126 F25D2323/122 B65D21/02 B65D25/28

European class: B65D1/20 B65D21/02E12B B65D25/28D4 B67D3/00G F25D23/12B R25D323/122

US class: 220/592.16 220/592.160S 222/143 222/146.6 222/146.600P 222/157 222/185.1 222/465.1 62/389 62/389S

Classification Explorer

Cited documents: WO9424011 A1, WO9110616 A2, US6135324 A, US6065646 A, US6050455 A, US6029859 A, US6029858 A, US5156021 A, US5105858 A, US5064101 A, US4143795 A, US3782602 A, US2726795 A, US2134865 A, JP11011451 A2, JP11011451, FR2543127 A3, FR2461216 A1,

Forward Citations: WO10146345, WO10076171, WO10076171, USD764295, US9580291, US9399570, US8893924, US8230697, US2013042941, US2009320517, US2009294453, US2009163329, US2008302831, US2007246488, US2006255000, US2006131347, US2004256406, GB2483611, GB2483611, ES2525835, EP2385925, BE1018200, AU2007231817, AU2004200197,

Abstract:
Source: US2004178222A An improved liquid dispenser that is adapted to fit into a refrigerator and that is more user friendly is disclosed. The liquid dispenser includes a hollow body, a top, a bottom, and at least one wall therebetween. The body creates a receptacle for a liquid. The top includes an inlet for the receptacle and the at least one wall includes an outlet for the receptacle. A handle located near a central axis of the body is adapted to carry the liquid dispenser. The liquid dispenser may be stacked vertically with similar configured dispensers.

0) US2013200097A – LIQUID DISPENSING UNITS

8) Family number: 54512871 (US2013200097A) © PatBase

Title: LIQUID DISPENSING UNITS

Priority: EP20130706812 20130207 US20120596672P 20120208 US20120609213P 20120309 US20130762265 20130207 WO2013US25227 20130207 US20150661372 20150318

Family:

Publication number	Publication date	Application number	Application date
CA2862506 AA	20140724	CA20132862506	20130207
CN104203058 A	20141210	CN201380016516	20130207
CN104203058 B	20170714	CN201380016516	20130207
DE602013014689 D1	20170112	DE201360014689T	20130207
EP2811881 A2	20141217	EP20130706812	20130207
EP2811881 B1	20161130	EP20130706812	20130207
US2013200097 AA	20130808	US20130762265	20130207
US2015238053 AA	20150827	US20150661372	20150318
US9265383 BB	20160223	US20130762265	20130207
WO13119874 A2	20130815	WO2013US25227	20130207
WO13119874 A3	20140410	WO2013US25227	20130207

Probable Assignee: SIMPLEHUMAN LLC

Assignee(s):(std): SIMPLEHUMAN LLC

Assignee(s): SIMPLEHUMAN LLC TORRANCE ; SIMPLEHUMAN LLC19850 MAGELLAN DRIVETORRANCECA90502US ; YANG FRANK ; WOLBERT DAVID ; CARDENAS ORLANDO ; SANDOR JOSEPH

Inventor(s):(std): YANG FRANK ; WOLBERT DAVID ; SANDOR JOSEPH ; CARDENAS ORLANDO

Inventor(s): CARDENAS ORLANDO LAGUNA NIGUEL ; SANDOR JOSEPH NEWPORT BEACH ; WOLBERT DAVID REDONDO BEACH ; YANG FRANK RANCHO PALOS VERDES ; YANG FRANKUS ; WOLBERT DAVIDUS ; SANDOR JOSEPHUS ; CARDENAS ORLANDOUS

Agent(s): SMART AND BIGGAR; HERNANDEZ YORCK DIPL ING; RAYNOR SIMON MARK; KNOBBE MARTENS OLSON AND BEAR LLP; CHRISTENSEN MICHAEL R

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47K5/12 B05B11/00 B65D25/00 H05K13/00 (Advanced/Invention)

CPC: B65D25/00 H05K13/00 A47K5/1211 B05B11/3043 A47K5/1217 Y10T29/49002 B05B12/122

US class: 1/1 206/216 222/173 222/23 222/333 222/52 29/592.1

Classification Explorer

Cited documents: WO13119874 A1, WO13119642 A1, WO12122056 A1, WO08103300 A2, WO08095187 A1, USRE37173 E, USD699475 S1, USD693597 S1, USD674636 S1, USD663983 S1, USD661531 S1, USD659454 S1, USD659452 S1, USD626365 S1, USD608578 S1, USD593784 S1, USD582187 S1, USD581193 S1, USD565878 S1, USD564273 S1, USD554412 S1, USD534753 S1, USD531845 S1, USD531440 S1, USD530954 S1, USD490262 S1, USD483974 S1, USD438041 S1, USD426413 S1, USD426093 S1, USD416154 S1, US8678244 BB, US8109411 BB, US8109301 BA, US8096445 BB, US8087543 BB, US7637893 BB, US7540397 BB, US7479000 BB, US7354015 BB, US7337635 BB, US7296765 BB, US7178746 BB, US7008073 BB, US6929150 BB, US6892899 BB, US6832542 BB, US6824369 BB, US6805042 BB, US6777007 BB, US6748850 BA, US6722265 BB, US6698616 BB, US6619938 BB, US6594105 BA,

US6557584 BA, US6444956 BA, US6443328 BA, US6390329 BA, US6375038 BA, US6325604 BA, US6311868 BA, US6279777 BA, US6279460 BA, US6269735 BA, US6209752 BA, US6126290 A, US6036056 A, US6021960 A, US6021705 A, US5988451 A, US5960991 A, US5836482 A, US5829636 A, US5823390 A, US5771925 A, US5632414 A, US5477984 A, US5472719 A, US5466131 A, US5449280 A, US5305916 A, US5271528 A, US5199118 A, US5186360 A, US5169040 A, US5082150 A, US5028328 A, US4967935 A, US4938384 A, US4921131 A, US4915347 A, US4722372 A, US4693854 A, US4524805 A, US4498843 A, US4457455 A, US4217993 A, US4113147 A, US4056050 A, US4046289 A, US3701482 A, US3631736 A, US3220954 A, US3149754 A, US3023922 A, US2772817 A, US2697446 A, US2651545 A, US2106043 A, US2017867 A, US2013200109 AA, US2012248150 AA, US2011114669 AA, US2011017769 AA, US2010282772 AA, US2010031982 AA, US2009184134 AA, US2009140004 AA, US2009088836 AA, US2009026225 AA, US2008277421 AA, US2008185396 AA, US2007274853 AA, US2007158359 AA, US2007138208 AA, US2007000941 AA, US2006243740 AA, US2006173576 AA, US2006067546 AA, US2005139612 AA, US2004226962 AA, US2004134924 AA, US2004103792 AA, US2004050875 AA, US2004032749 AA, US2002185002 AA, US2002179643 AA, KR2845520000, JPD1266683, JPD1117308, JP7023876, EP2322068 A2, EP0455431, EP0013426870001, CN303102706 S, CN302362836 S, CN101663568 A, CA152683, CA147357, CA144016, CA141847,

Forward Citations: WO16090469, USD785970, USD773848, USD770798, USD699475, US9728068, US9265383, US8678244, US2017028420, US2015235548, US2015157754, ITBO20130615,

Abstract:
Source: US2013200097A A soap dispenser can be configured to dispense an amount of liquid soap, for example, upon detecting the presence of an object. Certain embodiments of the dispenser include a housing, reservoir, pump, motor, sensor, electronic processor, and nozzle. In certain embodiments, the sensor can be configured to generate a signal based on a distance between an object and the sensor. In certain embodiments, the electronic processor can be configured to receive the signal from the sensor and to determine a dispensation volume of the liquid. The dispensation volume can vary as a function of the distance between the object and the sensor. The processor can be configured to control the motor to dispense approximately the dispensation volume of the liquid.

0) US2006288518A – SURFACE CLEANING APPARATUS WITH CLEANING FLUID ...

9) Family number: 32857304 (US2006288518A) © PatBase

Title: SURFACE CLEANING APPARATUS WITH CLEANING FLUID SUPPLY

Priority:

AU20060200644	20060216	AU20100241498	20101117	AU20100241504	20101117
GB20060003064	20060216	GB20080015272	20060216	GB20080015273	20060216
GB20080015274	20060216	GB20080015275	20060216	GB20080015270	20060216
GB20080015278	20060216	US20060276167	20060216	US20070763159	20070614
US20070763067	20070614	US20080337670	20081218	US20080339994	20081219
US20080346256	20081230	US20080346233	20081230	US20080340007	20081219
US20050593829P	20050217	US20060743153P	20060120	US20050293829P	20051217
US20110155960	20110608	US20130092244	20131127	US20160212780	20160718

Family:

Publication number	Publication date	Application number	Application date
AU2006200644 AA	20060831	AU20060200644	20060216
AU2006200644 BB	20100916	AU20060200644	20060216
AU2010241498 AA	20101209	AU20100241498	20101117
AU2010241498 BB	20110811	AU20100241498	20101117
AU2010241504 AA	20101209	AU20100241504	20101117
AU2010241504 BB	20110526	AU20100241504	20101117
AU2010241504 BH	20110623	AU20100241504	20101117
GB200603064 A0	20060329	GB20060003064	20060216
GB200815270 A0	20080924	GB20080015270	20060216
GB200815272 A0	20080924	GB20080015272	20060216
GB200815273 A0	20080924	GB20080015273	20060216
GB200815274 A0	20080924	GB20080015274	20060216
GB200815275 A0	20080924	GB20080015275	20060216
GB200815278 A0	20080924	GB20080015278	20060216
GB2423240 A1	20060823	GB20060003064	20060216
GB2423240 B2	20081022	GB20060003064	20060216
GB2449391 A1	20081119	GB20080015272	20060216
GB2449391 B2	20090422	GB20080015272	20060216
GB2449392 A1	20081119	GB20080015273	20060216
GB2449392 B2	20090729	GB20080015273	20060216
GB2449393 A1	20081119	GB20080015274	20060216
GB2449393 B2	20090429	GB20080015274	20060216
GB2449394 A1	20081119	GB20080015275	20060216
GB2449394 B2	20090429	GB20080015275	20060216
GB2449395 A1	20081119	GB20080015278	20060216
GB2449395 B2	20090617	GB20080015278	20060216
GB2449581 A1	20081126	GB20080015270	20060216
GB2449581 B2	20090107	GB20080015270	20060216
US2006288518 AA	20061228	US20060276167	20060216
US2007226943 AA	20071004	US20070763159	20070614
US2007234503 AA	20071011	US20070763067	20070614
US2009089957 AA	20090409	US20080337670	20081218
US2009094782 AA	20090416	US20080339994	20081219
US2009101187 AA	20090423	US20080346256	20081230
US2009113658 AA	20090507	US20080346233	20081230
US2009119868 AA	20090514	US20080340007	20081219
US2011232023 AA	20110929	US20110155960	20110608

US2014084079 AA	20140327	US20130092244	20131127	
US2016324385 AA	20161110	US20160212780	20160718	
US7657965 BB	20100209	US20080346233	20081230	
US7784148 BB	20100831	US20060276167	20060216	
US7966690 BB	20110628	US20080337670	20081218	
US7979951 BB	20110719	US20070763159	20070614	
US7979955 BB	20110719	US20080340007	20081219	
US8146200 BB	20120403	US20070763067	20070614	
US8505155 BB	20130813	US20080339994	20081219	
US8621708 BB	20140107	US20080346256	20081230	
US8726455 BB	20140520	US20110155960	20110608	
US9392922 BB	20160719	US20130092244	20131127	

Probable Assignee: BISSELL HOMECARE INC

Assignee(s):(std)**:** KASPER GARY A ; KREBS ALAN J ; LENKIEWICZ KENNETH M ; ULMAN LINDSAY M ; BISSELL HOMECARE INC

Assignee(s): JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Inventor(s):(std)**:** ASHBAUGH KURT E ; KASPER GARY A ; KREBS ALAN J ; LENKIEWICZ KENNETH M ; LENKIWICZ KENNETH M ; SCOTT ALLEN W ; TRUDELL EVELYN M ; ULMAN LINDSAY M ; ULMAN LINSAY M

Inventor(s): ULMAN LINSAY ; TRUDELL EVELYN ; LINDSAY M ULMAN ; SCOTT ALLEN ; LENKIWICZ KENNETH ; KURT E ASHBAUGH ; LENKIEWICZ KENNETH ; KENNETH M LENKIEWICZ ; KREBS ALAN ; ALAN J KREBS ; ALLEN W SCOTT ; ASHBAUGH KURT ; EVELYN M TRUDELL ; GARY A KASPER ; KASPER GARY

Agent(s): GRIFFITH HACK; MCGARRY BAIR PC

International class (IPC 8–9): A47L11/00 A47L11/20 A47L11/29 A47L11/30 A47L11/34 A47L11/40 A47L5/28 A47L5/32 A47L7/00 A47L7/04 A47L9/00 A47L9/10 A47L9/24 A47L9/32 B08B3/04 B08B3/10 (Advanced/Invention) ; A47L11/00 A47L11/29 A47L5/22 A47L7/00 A47L9/00 A47L9/10 A47L9/24 A47L9/32 B08B3/04 B08B3/10 (Core/Invention)

CPC: A47L11/30 A47L5/28 A47L9/0009 A47L9/325 A47L11/40 A47L7/0004 A47L5/32 A47L9/242 A47L9/0036 A47L11/34 A47L11/4097 A47L11/302 A47L11/4016 A47L11/4083 A47L11/4044 A47L11/4041 A47L11/4058 A47L11/4088

European class: A47L11/30 A47L11/34 A47L11/40T A47L5/28 A47L5/32 A47L7/00B A47L9/00B A47L9/00B2D A47L9/24B A47L9/32C

US class: 1/1 134/100.1 134/100.100S 134/58.00RP 134/58R 15/320 15/320P 15/321 15/321S 15/322 15/322P 15/327.2 15/331 15/331P 15/334 15/338 15/347 15/347S 15/353 239/102.1 239/124 239/302 239/375

Classification Explorer

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Abstract:
Source: US2006288518A A surface cleaning apparatus comprises a fluid delivery system including a supply of cleaning fluid and a fluid recovery system for drawing dirty cleaning fluid from the surface to be cleaned. The apparatus can comprise a passageway that passes heated motor cooling air in heat exchange with the cleaning fluid to heat the cleaning fluid. The apparatus can further comprise a mixing manifold that mixes first and second cleaning fluids at different concentrations for different cleaning modes. The apparatus can further comprise a fluid valve having a shape memory alloy actuator.

0) US2007028780A – COOKING DEVICE TO DEEP FAT FRY FOODS

10) Family number: 34194809 (US2007028780A) © PatBase

Title: COOKING DEVICE TO DEEP FAT FRY FOODS

Priority:

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Family:

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A23L1/00 A23L1/01 A23L1/315 A23L13/50 A23L5/10 A47J27/00 A47J27/04 A47J36/00 A47J37/00 A47J37/07 A47J37/12 A47J43/18 (Advanced/Invention);
A23L1/00 A47J45/06 (Advanced/Non–invention);
A23L1/00 A47J37/00 A47J37/12 (Core/Invention);
A23L1/00 (Core/Non–invention)

CPC: A47J36/10 A47J37/1261 A47J37/1266 A47J37/129 A47J43/18 A23L5/11 A23L13/57 A47J37/1209 A47J37/1219

European class: A23L1/01B A47J36/10 A47J37/12A1 A47J37/12C A47J37/12H2 A47J37/12K A47J37/12M3

US class: 126/20 126/20S 126/369 219/401 219/401S 220/573.1 294/61 426/233 426/233P 426/302 426/438 426/438S 426/509 426/509S 426/523 99/330 99/336 99/339 99/339P 99/340 99/350 99/355 99/356 99/403 99/403P 99/403S 99/407 99/407P 99/408 99/409 99/410 99/411 99/412 99/413 99/414 99/415 99/419 99/427 99/444 99/449 99/449S

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Abstract:
Source: US2007028780A A cooking device include an outer housing and a cooking cavity disposed within and separate from the outer housing. The cooking cavity accommodates a volume of cooking liquid therein. The device includes a heater positioned adjacent the cooking cavity to heat the cooking liquid. A lid is movably attached to the device and is used to form a seal with the cooking cavity. The lid includes a transparent portion positioned along a top surface to enable viewing inside of the cooking cavity. A controller can be used to heat the cooking fluid for an amount of time designated by user input. A moving mechanism can be used to move a food article into and out of the cooking liquid. The moving mechanism can be automated. The device can include a drainage system for removing the cooking liquid.

0) US2012125020A – METHODS AND SYSTEMS FOR DESICCANT AIR CONDITION...

11) Family number: 50018594 (US2012125020A) © PatBase

Title: METHODS AND SYSTEMS FOR DESICCANT AIR CONDITIONING USING PHOTOVOLTAIC–THERMAL (PVT) MODULES

Priority:

CN201180041233	20110525	JP20130512210T	20110525	US20100348076P	20100525
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US20110115760	20110525	US20110115789	20110525	US20110430692P	20110107
US20110115797	20110525	US20110115800	20110525	WO2011US37936	20110525
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Family:

Publication number	Publication date	Application number	Application date
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class(IPC 8–9)**:** B01D5/00 B01D53/14 B01D53/26 B23P19/04 B32B37/12 B32B37/30 F24F11/00 F24F13/02 F24F3/14 F24F3/153 F24F6/00 F25B17/00 F25B17/08 F25B27/00 F25B33/00 F25B37/00 F25B43/00 F25D17/04 F25D17/06 F25D23/00 F25D31/00 F28D21/00 F28F19/00 F28F3/08 F28F3/10 H01L31/042 H01L31/052 H01L31/058 H02S10/30 H02S20/00 H02S40/44 (Advanced/Invention); B01D53/26 (Advanced/Non–invention)

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European class: F24F3/14C1 L01D259/45B L01D53/26C Y02B10/70

US class: 1/1 136/246 136/248 156/291 156/291S 165/166 202/175 202/185.3 202/185.300S 29/426.1 29/426.100S 34/329 34/472 34/80 34/95 62/101 62/101S 62/151 62/153 62/186 62/235.1 62/235.100P 62/235.100S 62/236 62/271 62/271P 62/271S 62/314 62/476 62/476S 62/92 62/92P 62/93 62/94 62/94P 62/94S 95/118 95/172 95/180 95/231 95/91 96/245

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Abstract:
Source: US2012125020A Methods and systems are provided for air conditioning, capturing combustion contaminants, desalination, and other processes using liquid desiccants.

0) US2017058500A – CLEAN TOILET AND ACCESSORIES

12) Family number: 65075634 (US2017058500A) © PatBase

Title: CLEAN TOILET AND ACCESSORIES

Priority: US20150209198P 20150824 US20160245996 20160824

Family:

Publication number	Publication date	Application number	Application date
US2017058500 AA	20170302	US20160245996	20160824
WO17035246 A1	20170302	WO2016US48419	20160824

Probable Assignee: KOHLER CO

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Inventor(s):(std)**:** DENZIN PETER ; DENZIN PETER W ; GARRELS CLAYTON ; KURU WILLIAM ; LUETTGEN MICHAEL

Agent(s): SPROW MARCUS ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A47K17/00 C11D11/00 C11D7/04 E03D1/36 E03D11/13 E03D5/10 E03D9/00 E03D9/03 G08B21/18 (Advanced/Invention)

CPC: E03D9/005 E03D9/032 E03D11/13 E03D5/10 A47K17/00 E03D1/36 G08B21/182 C11D7/04 C11D11/0052 E03D2009/028 E03D9/038 E03D2009/024

US class: 4/314

Classification Explorer

Cited documents: WO10139584 A1, US507656 A, FR2699572 A1, DE8000249 U,

Abstract:
Source: US2017058500A A toilet that includes a bowl, a tank configured to hold water, and a flush valve within the tank. The flush valve includes a valve body fluidly connecting the tank and the bowl, a float moveable relative to the valve body to open and close the flush valve, and a guide member coupled to the valve body for guiding movement of the float, where the guide member includes a chamber that is configured to hold a cleaning compound including a chemical compound and water. The cleaning compound is configured to be dispensed into the bowl through the valve body with the flush valve open.

13) Family number: 30664801 (US2004149642A) © PatBase

Title: FILTER CARTRIDGE FOR A STANDLONE POINT OF USE WATER PURIFICATION DEVICE

Priority: US20020431125P 20021205 US20020431128P 20021205 US20030726778 20031203 US20050163160 20051007 US20080204942 20080905 US20060307859 20060225 US20030726779 20031203 WO2003US38228 20031203

Family:

Publication number	Publication date	Application number	Application date
AU2003298795 AA	20040630	AU20030298795	20031203
AU2003298795 AH	20040630	AU20030298795	20031203
US2004149642 AA	20040805	US20030726778	20031203
US2004149643 AA	20040805	US20030726779	20031203
US2006157399 AA	20060720	US20060307859	20060225
US2006231476 AA	20061019	US20050163160	20051007
US2008314808 AA	20081225	US20080204942	20080905
US6953523 BB	20051011	US20030726779	20031203
US7387729 BB	20080617	US20060307859	20060225
US7438799 BB	20081021	US20050163160	20051007
WO04052789 A2	20040624	WO2003US38228	20031203
WO04052789 A3	20040910	WO2003US38228	20031203

Probable Assignee: HEADWATERS R AND D INC

Assignee(s):(std)**:** ANDERSON TROY G ; HAMILTON JEREMY ; HEADWATERS INC ; HEADWATERS R AND D INC ; HEADWATERS RES AND DEV INC ; LANNING CHARLES R ; VANDENBELT RUDY A

Assignee(s): ANDERSON TROY C ; HEADWATERS RESEARCH AND DEVELOPMENT INC

Inventor(s):(std)**:** ANDERSON TROY C ; ANDERSON TROY G ; HAMILTON JEREMY ; LANNING CHARLES ; LANNING CHARLES M ; LANNING CHARLES R ; VANDENBELT RUDY ; VANDENBELT RUDY A

Inventor(s): ANDERSON TROY ; RUDY VANDENBELT ; JEREMY HAMILTON ; CHARLES LANNING

Agent(s): LAW OFFICE OF AP DURIGON; DURIGON ALBERT PETER; ALBERT PETER

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B01D24/18 B01D27/02 B01D3/00 B01D35/02 C02F1/00 C02F1/04 C02F1/28 C02F1/32 C02F1/42 C02F101/10 C02F101/30 C02F103/04 C02F9/00 C02F9/12 (Advanced/Invention); C02F1/28 C02F1/32 C02F1/42 C02F101/10 C02F101/30 C02F103/04 (Advanced/Non–invention); C02F1/00 C02F1/28 C02F1/32 C02F1/42 C02F9/00 C02F9/08 (Core/Invention); C02F1/28 C02F1/32 C02F1/42 (Core/Non–invention)

International class (IPC 1–7): C02F1/28 C02F1/32 C02F1/42 C02F9/00

CPC: C02F1/003 C02F1/006 C02F1/283 C02F1/42 C02F2201/006 C02F2307/04 C02F1/32 C02F9/005 C02F2201/009 C02F2209/005 C02F2201/326

European class: C02F1/00D4 C02F9/00B M02F1/00R M02F1/28D M02F1/32 M02F1/42 M02F201/00D8 M02F201/00I M02F201/00P M02F201/326 M02F209/00T M02F307/04

US class: 203/10 203/10S 210/138 210/141 210/202 210/241 210/241S 210/257.1 210/262 210/266 210/282 210/284 210/336 210/739 210/748 210/748.11 210/748.13 210/748.130S 210/85 210/85P

Classification Explorer

Cited documents: WO9958453 A1, WO9900331 A1, WO9504705 A1, WO9216241 A1, WO06043283 A1, WO05066077 A1, WO04052789 A2, WO0242225 A1, WO0242224 A1, WO0242218 A1, WO0242217 A1, WO0242216 A3, WO0242216 A2, WO0228782 A1, WO0078191 A1, WO0035813 A1, USD523280 S1, USD522304 S1, USD520597 S1, USD514868 S1, USD501755 S1, USD497195 S1, USD459941 S1, USD454469 S1, USD450531 S1, USD444987 S1, USD444662 S1, USD440110 S1, USD432205 S1, USD421361 S1, USD419027 S1, USD415922 S1, USD406003 S1, USD400392 S1, USD388655 S1, USD386041 S1, USD374911 S1, USD370711 S1, USD352212 S1, USD337691 S1, USD337690 S1, USD336760 S1, USD335608 S1, USD332028 S1, USD325768 S1, USD318095 S1, USD312863 S1, USD287325 S1, USD173455 S1, USD163117 S1, US8043502 BB, US7959872 BB, US795408 A, US7713496 BB, US7708958 BB, US7513278 BB, US7476312 BB, US7438799 BB, US7387729 BB, US7297283 BB, US7276161 BB, US7201840 BB, US7166216 BB, US7138054 BB, US7107838 BB, US6953523 BB, US6949185 BB, US6881327 BB, US6860992 BB, US6811691 BB, US6773587 BB, US6726839 BB, US6716345 BB, US6716343 BB, US6651824 BB, US6649045 BB, US6638426 BA, US6614039 BB, US6602406 BA, US6599427 BB, US6579495 BA, US6572769 BB, US6565743 BA, US6533930 BA, US6524477 BA, US6500346 BA, US6475352 BB, US6454941 BA, US6440302 BA, US6428687 BA, US6423224 BA, US6405875 BA, US6387260 BA, US6254768 BA, US6238552 BA, US6227382 BA, US6224751 BA, US6202541 BA, US6193894 BA, US6103114 A, US6074550 A, US6042725 A, US5989424 A, US5900212 A, US5900138 A, US5882507 A, US5873995 A, US5855160 A, US5846418 A, US5830360 A, US5811004 A, US5785844 A, US5665224 A, US5637214 A, US5628897 A, US5628895 A, US5536396 A, US5536394 A, US5529689 A, US5486285 A, US5441179 A, US5334347 A, US5328597 A, US5290442 A, US5238559 A, US5225078 A, US5207993 A, US5190643 A, US5139666 A, US5082558 A, US5078876 A, US5076922 A, US5049272 A, US5039402 A, US4998228 A, US4995975 A, US4969996 A, US4948499 A, US4902411 A, US4895648 A, US4842724 A, US4828692 A, US4776956 A, US4764274 A, US4762613 A, US4666600 A, US4655373 A, US4653671 A, US4623457 A, US4599166 A, US4578187 A, US4306971 A, US4298467 A, US3861565 A, US3823824 A, US3823728 A, US3747767 A, US3726404 A, US3692180 A, US3512686 A, US2805561 A, US2669661 A, US2537774 A, US2359985 A, US2011084006 AA, US2010215552 AA, US2010176037 AA, US2009123347 AA, US2007209984 AA, US2006260990 AA, US2006249442 AA, US2006231476 AA, US2006226064 AA, US2006191824 AA, US2006163174 AA, US2006163169 AA, US2006163148 AA, US2006157399 AA, US2006096925 AA, US2006000763 AA, US2005252844 AA, US2005247609 AA, US2005139540 AA, US2005133427 AA, US2005109683 AA, US2004173507 AA, US2004149643 AA, US2004149642 AA, US2004094465 AA, US2004060873 AA, US2003159979 AA, US2003001112 AA, US2002134715 AA, US2002125187 AA, US2002066698 AA, US2002060190 AA, US2002060189 AA, US2002060177 AA, US2002060176 AA, US2002060175 AA, US2002020673 AA, US2001006162 AA, US146590 A, US1450770 A, US1432351 A, EP0893127 A1, EP0893126 A1, EP0576563 B1, EP0576563, DE3535679 A1,

Forward Citations: WO16036400, WO13088252, WO12130331, WO12130329, WO12107785, WO10010572, WO10010572, WO07133834, WO07124311, WO07078302, WO07078294, USD729344, USD688909, USD684009, USD680791, USD680789, USD677753, USD677752, USD677511, USD677360, USD677359, USD676108, USD675861, USD668094, USD655375, USD655374, USD655373, USD653726, USD651446, USD650886, USD650885, USD650467, USD647594, USD640770, USD640769, USD640346, USD639114, USD639102, USD638246, USD636631, USD636627, USD630896, USD630895, USD630894, USD623465, USD620304, USD618032, USD616694, USD605890, USD604088, USD594690, USD583612, USD573395, USD573394, USD546113, USD524087, US9715238, US9394675, US9315976, US9285807, US9243756, US9243392, US9243391, US9228329, US9175458, US9162912, US9156713, US9132369, US9045358, US9034192, US8944105, US8844564, US8776817, US8747664, US8623206, US8614425, US8613419, US8561626, US8528579, US8510900, US8469056, US8376313, US8365767, US8313644, US8243040, US8216465, US8177966, US8162236, US8128820, US8127782, US8118240, US8089473, US8080160, US8043502, US7959872, US7955501, US7883619, US7767087, US7690395, US7632397, US7513278, US7441665, US7438799, US7361904, US7107838, US2016176698, US2015122725, US2014197089, US2013175228, US2012118803, US2012061312, US2012061301, US2012055857, US2012011874, US2011226703, US2011139698, US2011104017, US2011084006, US2011024311, US2010215552, US2010176037, US2009200215, US2009120851, US2009057241, US2009057220, US2009039176, US2008314808, US2008164223, US2008067414, US2007241037, US2007209984, US2006249442, US2006231476, US2006162806, US2005098506, US2005072729, US2004060873, ES2391113, EP2471745, EP2277832, DE102007016543, DE102007016543,

Abstract:
Source: US2004149642A A filter cartridge for a standalone point of use water purification device includes tandem first and second flow passageways containing flowthrough filter media that cooperate to provide opposing flow

directions in the first and second flow passageways that reduce, if not eliminate, channeling, and provide self−wetting of the flowthrough filter media contained in the tandem first and second flow passageways, eliminating the need for post−use wetting steps.

0) US2005242109A – LIQUID STORAGE AND DISPENSING SYSTEM AND METHOD...

14) Family number: 32364762 (US2005242109A) © PatBase

Title: LIQUID STORAGE AND DISPENSING SYSTEM AND METHOD

Priority: US20040521467P 20040430 US20050907960 20050422

Family:

Publication number	Publication date	Application number	Application date
EP1591412 A1	20051102	EP20050009145	20050426
US2005242109 AA	20051103	US20050907960	20050422

Probable Assignee: AVON RUBBER AND PLASTICS INC

Assignee(s):(std)**:** AVON RUBBER AND PLASTICS INC

Inventor(s):(std)**:** REED RICHARD J

Inventor(s): REED RICHARD

Agent(s): MCGARRY BAIR PC

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

International class (IPC 8–9)**:** B67D7/02 B67D7/04 B67D7/32 B67D7/60 B67D7/78 B67D7/84 G01F11/00 (Advanced/Invention)

International class (IPC 1–7)**:** B67D5/02 B67D5/42 B67D5/60 B67D5/64 G01F11/00

CPC: B67D7/0205 B67D7/0216 B67D7/0288 B67D7/04 B67D7/3236 B67D7/60 B67D7/78 B67D7/84

European class: B67D7/02B B67D7/02C B67D7/02G B67D7/04 B67D7/32E B67D7/60 B67D7/78 B67D7/84

US class: 222/1 222/1P

Classification Explorer

Cited documents: US6616007 BB, US6439417 BA, US6405897 BA, US6111187 A, US5967370 A, US5913451 A, US5711456 A, US5626313 A, US5573066 A, US5537066 A, US5400924 A, US5115944 A, US5114046 A, US4986446 A, US4854481 A, US4714178 A, US4676280 A, US4640328 A, US4597425 A, US4567918 A, US4008831 A, US3838795 A, US2865419 A, US2004069781 AA, US2003071074 AA, EP1142524 A1, DE8807536 U, DE2656717 A1, DE10139353 A1,

Forward Citations: US9272897, US8469405, US2011089686, US2010088011, US2008277018, US2006096990, ITVR20120252, EP2749525, EP2724981, CN104260846,

Abstract:
Source: US2005242109A A liquid storage and dispensing system comprises a bladder, a container in fluid communication with the bladder, a pump in fluid communication with the container, and a dispensing conduit in fluid communication with the pump. Liquid stored in the bladder flows from the bladder to the container, and the pump draws the liquid from the container and dispenses the liquid through the dispensing conduit. The container is sized such that it can store the other components of the liquid storage and dispensing system, including the bladder, which can be collapsed and folded into a compact configuration.

0) US2011031273A – RIBBED WATER SPIKE

15) Family number: 47096562 (US2011031273A) © PatBase

Title: RIBBED WATER SPIKE

Priority: US20090167044P 20090406 US20100755251 20100406 WO2010US30115 20100406

Family:

Publication number	Publication date	Application number	Application date
AU2010234593 AA	20101014	AU20100234593	20100406
AU2010234593 BB	20140410	AU20100234593	20100406
CN102448841 A	20120509	CN201080022942	20100406
CN102448841 B	20140827	CN201080022942	20100406
EP2417031 A2	20120215	EP20100762312	20100406
EP2417031 A4	20130911	EP20100762312	20100406
MY157230 A	20160513	MY20110004794	20100406
NZ595949 A	20140430	NZ20100595949	20100406
SG10201401145Y A1	20140730	SG20141001145	20100406
SG175082 A1	20111128	SG20110072667	20100406
TH121519 A	20130228	TH20111002524	20100406
US2011031273 AA	20110210	US20100755251	20100406
WO10118044 A2	20101014	WO2010US30115	20100406
WO10118044 A3	20110113	WO2010US30115	20100406

Probable Assignee: INT PACKAGING INNOVATIONS LLC

Assignee(s):(std)**:** INT PACKAGING INNOVATIONS ; INT PACKAGING INNOVATIONS LLC ; INTERNAT PACKAGING INNOVATIONS ; MACLER JEFFREY E ; INTERNAT PACKAGING INNOVATIONS LLC ; NEVERFAIL SPRINGWATER LTD

Assignee(s): CARLOS CID ATF CID FAMILY SHARE TRUST ; STIGMA PTY LTD ATF CID IP TRUST ; SPLATT INVESTMENTS PTY LTD ATF SPLATT... ; J AND M WILTON PTY LTD ATF WILTON INVESTMENT TRUST ; INTERNATIONAL PACKAGING INNOVATIONS LLC

Inventor(s):(std)**:** MACLER JEFFREY E

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; NEVERFAIL SPRINGWATER LTD; CULLENS PTY LTD; CASBON PAUL RICHARD; DREW AND NAPIER LLC; LEWIS RICE AND FINGERSH LC ATTN BOX IP DEPT; DAMMAN KIRK A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B65D25/40 B65D25/48 B65D33/38 B65D47/06 B65D75/58 B65D77/06 B67B7/00 B67D1/00 G01F11/00 (Advanced/Invention)

International class (IPC 1–7): B65D33/38

CPC: B65D77/068 B65D25/48 B65D75/5877 B67B7/24

European class: B65D25/48 B65D75/58G3A B65D77/06B3

US class: 222/1 222/1S 222/81 222/81P

Classification Explorer

Cited documents: WO9534475 A1, WO05022058 A2, USD295138 S1, US8550308 BB, US7980424 BB, US7331487 BB, US7188749 BB, US7165700 BB, US6932247 BB, US6227410 BA, US5647511 A, US53391409, US5325995 A, US5052614 A, US4826500 A, US4603793 A, US4542530 A, US4325496 A, US3973698 A, US3927803 A, US3768698 A, US3460715 A, US3343724 A, US3278083 A, US2925199 A, US2008142543 AA, US2005121464 AA, US1971284 A, EP1676784 A1, CN201006795 Y, CN1481322 A, CN1291157 A, CN1158591 A,

Forward Citations: WO14014738, USD729592, USD713193, US2011127281,

Abstract:
Source: US2011031273A A ribbed spike for use with dispensing a fluid, such a water, from a bag. The spike includes a plurality of ribs or undulations on its outer surface which can improve connection strength to a bag of fluid. Systems and methods for using such a spike in the dispensing of fluid in a variety of situations are also provided.

0) US2015284260A – COUNTERTOP FLUID DISPENSER

16) Family number: 59143972 (US2015284260A) © PatBase

Title: COUNTERTOP FLUID DISPENSER

Priority: US20140476787 20140904 US20140486906F 20140403 US20140498111F 20140731

Family:

Publication number	Publication date	Application number	Application date
CN303115568 S	20150225	CN201430309206F	20140827
CN303128087 S	20150311	CN201430128626F	20140513
IN263481 S	20151127	IN20140263481F	20140618
IN268721 S	20151204	IN20150268721F	20150108
US2015284260 AA	20151008	US20140476787	20140904
USD733482 S1	20150707	US20140498111F	20140731
USD734085 S1	20150714	US20140486906F	20140403
WO16036400 A1	20160310	WO2014US69653	20141211

Probable Assignee: KX TECHNOLOGIES LLC

Assignee(s):(std)**:** KX TECHNOLOGIES LLC ; MARMON WATER SINGAPORE PTE LTD

Assignee(s): KX TECHNOLOGIES CO LTD

Inventor(s):(std)**:** BRUNT JOHN ; FENG OOI SHEAU ; HUDA STEPHEN P ; KLIMPEL ERIK R ; SHERMAN MICHAEL J ; TOH AMOS ; TOON HOON WEE ; VERMA PRADEEP

Agent(s): DELIO PETERSON AND CURCIO LLC; ROBERT; CURCIO ROBERT ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B01D27/10 B01D27/14 B67D7/00 C02F1/00 (Advanced/Invention)

CPC: C02F1/003 C02F2307/04 C02F2201/005 C02F2209/42 B67D3/0054 B67D3/00 B67D2210/0001 C02F2307/10

US class: 210/128 210/335 210/435 210/436 D23/202 D23/209 D7/306 D7/312 D7/313

Locarno class: 31/00 07/01 23/01

Classification Explorer

Cited documents: WO11145646 A1, WO11017702 A1, USD718573 S1, USD708000 S1, USD707792 S1, USD654754 S1, USD636214 S1, USD484231 S1, USD426418 S1, USD361822 S1, USD323875 S1, US8002145 BB, US6013180 A, US4924922 A, US3561506 A, US2014144829 AA, US2011089103 AA, US2010320135 AA, US2008308484 AA, US2006157399 AA, US1729484 A, EP2609037 B1,

Forward Citations: USD785775, USD785154, USD785153, USD782611, USD758558, USD752728, US9700821, US9670076, US9517428, US2016200598,

Abstract:
Source: US2015284260A A countertop water dispenser having a three tiered reservoir system for filtering water and providing immediate dispensing via a spigot, and simultaneously filling a removable pitcher for transporting filtered water to another location. Water flow in the three tiered reservoir system may be controlled by flow valves that float with rising water to stop water flow when a maximum fill level is reached in a reservoir. A flow valve is provided in the middle reservoir as well as the lower reservoir to control the amount of filtered water in each reservoir. An air vent is provided on a filter housing, the air vent venting to a heightened arcuate rib on the countertop dispenser cover. The removable pitcher is mated to the lower reservoir via a pitcher filling mechanism that includes respective plunger or pin valves to allow water to flow into the pitcher when the lower reservoir is filled with water above or equal to the height of the pitcher filling mechanism.

17) Family number: 31777490 (US2006144700A) © PatBase

Title: APPARATUS AND PROCESS FOR MEDIATED ELECTROCHEMICAL OXIDATION OF MATERIALS

Priority: US20030477162P 20030610 US20040560576 20040610 US20050560576 20051230 WO2004US18447 20040610

Family:

Publication number	Publication date	Application number	Application date
US2006144700 AA	20060706	US20040560576	20040610
US8414748 BB	20130409	US20040560576	20040610
WO05028372 A2	20050331	WO2004US18447	20040610
WO05028372 A3	20061123	WO2004US18447	20040610

Probable Assignee: SCIMIST LNC

Assignee(s):(std)**:** BREMER BRUCE W ; C AND M GROUP LLC ; CARSON ROGER W ; MAGGARD KENT E ; MASTRACCI MICHAEL L ; SCIMIST INC

Assignee(s): THE C AND M GROUP LLC ; SCIMIST LNC

Inventor(s):(std)**:** BREMER BRUCE W ; CARSON ROGER W ; MAGGARD KENT E ; MASTRACCI MICHAEL L

Inventor(s): BREMER BRUCE ; MASTRACCI MICHAEL ; MAGGARD KENT ; CARSON ROGER

Agent(s): JAMES C WRAY; JAMES CREIGHTON

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B03B9/06 B09B3/00 C02F1/461 C02F1/467 C25B9/00 C25B9/06 C25B9/08 (Advanced/Invention); C02F (Subclass/Invention)

CPC: B09B3/00 A61L2/035 A61L2/24 A61L11/00 A62D2203/10 B01J2219/00006 C02F1/32 C02F1/36 C02F1/441 C02F1/4672 C02F11/06 C02F2201/46115 C02F2201/46145 C02F2201/46155 C02F2201/4618 C02F2201/46185 C02F2209/005 C02F2209/02 C02F2209/03 C02F2209/04 C02F2209/06 C02F2209/30 C02F2209/40 C25B9/06 Y02W10/40

European class: A61L11/00 A61L2/03E A61L2/24 B03B9/06 B09B3/00 C02F1/467B C02F11/06 C25B9/06 K62D203/10 L01J219/00A2B M02F1/32 M02F1/36 M02F1/44B M02F201/461B12 M02F201/461B12B M02F201/461B4 M02F201/461B6D M02F201/461B8 M02F209/00T M02F209/02 M02F209/03 M02F209/04 M02F209/06 M02F209/30 M02F209/40

US class: 204/242 204/242S 204/252 204/253 204/257 204/263 204/263S 205/746

Classification Explorer

Cited documents: WO9715354 A1, WO03031343 A1, US6402932 BA, US5968337 A, US5952542 A, US5919350 A, US5911868 A, US5855763 A, US5810995 A, US5756874 A, US5707508 A, US5516972 A, US5380445 A, US5261336 A, US5047224 A, US4967673 A, US4925643 A, US4874485 A, US4752364 A, US4749519 A, US4069371 A, US4013552 A, US2003024879 AA, DE4205739 A1, DE4113817 A1,

Forward Citations: WO16086287, WO15152761, WO14036036, WO14035919, WO14035919, WO13103834, WO11015556, WO08147866, WO08121936, WO08112253, US9722264, US9656215, US9616389, US9499422, US9440866, US9425164, US9404194, US9187324, US9139927, US9096450, US9045841, US9045357, US8961627, US8828216, US8663471, US8658046, US8658035, US8568573, US8419922, US8398828, US8388817, US8187444, US8029726, US7909980, US2016178278, US2016006053, US2014183054, US2013344407, US2013334059, US2013312435, US2012018309, US2011192179, US2011120870, US2010133115, US2009260980, US2009038944, US2008292498, US2005274623, TWI376274, DE102009036080, DE102007041828, CN104736474, AU2012267124,

Abstract:
Source: US2006144700A A unique apparatus unique apparatus and process that uses mediated electrochemical oxidation (MEO) for: (1) Destruction of: a) nearly all organic solid, liquid, and gases materials, except fluorinated hydrocarbons; b) all biological solid, liquid, and gases materials; c) and/or dissolution and decontamination (such as cleaning equipment and containers, etc.) of nearly all inorganic solid, liquid, or gas where higher oxidation states exist which includes, but is not limited to, halogenated inorganic compounds (except fluorinated), inorganic pesticides and herbicides, inorganic fertilizers, carbon residues, inorganic carbon compounds, mineral formations, mining tailings, inorganic salts, metals and metal compounds, etc.); and d) combined materials (e.g. a mixture of any of the foregoing with each other); henceforth collectively referred to as materials. (2) Sterilization/disinfection of equipment, glassware, etc., by destroying all existing infectious materials. (3) Dissolution of transuranic/actinide materials and/or destruction of the oxidizable components in the hazardous waste portion of mixed waste. (4) Generation of hydrogen and oxygen from MEO of materials. (5) Alteration of organic, biological, and inorganic materials by MEO to produce other compounds from these materials. The materials are introduced into an apparatus for contacting the materials with an electrolyte containing the oxidized form of one or more reversible redox couples, at least one of which is produced electrochemically by anodic oxidation at the anode of an electrochemical cell. The oxidized forms of any other redox couples present are produced either by similar anodic oxidation or reaction with the oxidized form of other redox couples present and capable of affecting the required redox reaction. The oxidized species of the redox couples oxidize the materials molecules and are themselves converted to their reduced form, whereupon they are reoxidized by either of the aforementioned mechanisms and the redox cycle continues until all oxidizable material species, including intermediate reaction products, have undergone the desired degree of oxidation. The entire process takes place at temperatures between ambient and approximately 100 degrees centigrade The oxidation process may be enhanced by the addition of reaction enhancements, such as: ultrasonic energy and/or ultraviolet radiation.

0) US2015368033A – A CAPSULE FOR BEVERAGE DISPENSING APPARATUS

18) Family number: 57187549 (US2015368033A) © PatBase

Title: A CAPSULE FOR BEVERAGE DISPENSING APPARATUS

Priority: EP20140703359 20140207 WO2013EP52424 20130207 WO2014EP52426 20140207

Family:

Publication number	Publication date	Application number	Application date
CN105188489 A	20151223	CN201480019037	20140207
EP2953511 A2	20151216	EP20140703359	20140207
IN07544DN2015 A	20160115	IN2015DN07544	20150825
RU2015137819 A	20170313	RU20150137819	20140207
US2015368033 AA	20151224	US20140766710	20140207
WO14121838 A1	20140814	WO2013EP52424	20130207
WO14122254 A2	20140814	WO2014EP52415	20140207
WO14122254 A3	20141120	WO2014EP52415	20140207
WO14122257 A2	20140814	WO2014EP52419	20140207
WO14122257 A3	20141002	WO2014EP52419	20140207
WO14122260 A2	20140814	WO2014EP52426	20140207
WO14122260 A3	20141120	WO2014EP52426	20140207

Probable Assignee: NUTRICIA NV

Assignee(s):(std)**:** BURDETT GARY ; FOSTER JODY JAMES ; HELD MICHA ALEXANDER ; HODGES KEVIN NEVILLE ; STADMAN ROBERT ; SCHMALOR CHRISTIAN ; KROESEN KLAUS ; KRUG JOERG ; MASON DAVID ANTHONY ; NUTRICIA NV

Inventor(s):(std)**:** BURDETT GARY ; FOSTER JODY JAMES ; HELD MICHA ALEXANDER ; HODGES KEVIN NEVILLE ; KROESEN KLAUS ; KRUG JOERG ; MASON DAVID ANTHONY ; SCHMALOR CHRISTIAN ; STADMAN ROBERT

Inventor(s): KRUG JORG

Agent(s): APPLEYARD LEES; DAVIES ROBERT EAN; INSTONE TERRY

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47J31/40 B65D85/804 (Advanced/Invention)

CPC: B65D85/8043 A47J31/407

US class: 426/112 99/295

Classification Explorer

Cited documents: WO12174331 A1, WO12104760 A1, WO11042489 A1, WO10028282 A1, WO08146115 A1, US2013017303 AA, US2012308688 AA, US2011110180 AA, US2005084569 AA, US2004182250 AA, EP2236437 A1, EP1633226 A2, EP0057671 A2,

DE102009007553 A1

CN1802296 A, CN102791595 A, CN102099177 A,

Forward Citations: WO16187418, WO16077424, WO16030732, USD779875, USD774352, USD771999, USD771435,

Abstract:
Source: US2015368033A A capsule (550) for use in apparatus for dispensing liquid beverage, the capsule including at least one capsule side wall (551), a capsule base (552) and a capsule lid (553) defining a capsule cavity containing concentrated beverage and first (555) and second (556) capsule conduits wherein the first

capsule conduit extends from proximate the lid and terminates remote from the capsule base allowing fluid to be supplied to the capsule away from the capsule base and the second capsule conduit extends substantially along a length of the capsule and terminates adjacent the capsule base allowing fluid to be dispensed from the capsule via the second capsule conduit.

0) US2013244241A – TEST CARTRIDGE WITH INTEGRATED TRANSFER MODULE ...

19) Family number: 54784801 (US2013244241A) © PatBase

Title: TEST CARTRIDGE WITH INTEGRATED TRANSFER MODULE

Priority: CN201380024805 20130315 JP20140561469T 20130315 US20130836845 20130315 US20120611784P 20120316 US20150743239 20150618 US20150743227 20150618 WO2013EP55432 20130315 US20160182868 20160615

Family:

Publication number	Publication date	Application number	Application date
AU2013234281 AA	20130919	AU20130234281	20130315
AU2013234281 BB	20160623	AU20130234281	20130315
CA2867414 AA	20140915	CA20132867414	20130315
CN104411406 A	20150311	CN201380024805	20130315
CN104411406 B	20170531	CN201380024805	20130315
CN106964411 A	20170721	CN201710290080	20130315
EP2825309 A1	20150121	EP20130711332	20130315
IN02162KN2014 A	20150206	IN2014KN02162	20141010
JP2015512628 T2	20150430	JP20140561469T	20130315
JP2017086088 A2	20170525	JP20170030787	20170222
JP6153951 B2	20170628	JP20140561469T	20130315
KR20150018774 A	20150224	KR20147028632	20130315
RU2014138186 A	20160520	RU20140138186	20130315
US2013244241 AA	20130919	US20130836845	20130315
US2015352551 AA	20151210	US20150743239	20150618
US2015353990 AA	20151210	US20150743227	20150618
US2016288122 AA	20161006	US20160182868	20160615
US9062342 BB	20150623	US20130836845	20130315
US9334528 BB	20160510	US20150743239	20150618
WO13135878 A1	20130919	WO2013EP55432	20130315

Probable Assignee: STAT DIAGNOSTICA AND INNOVATION S L

Assignee(s):(std): STAT DIAGNOSTICA AND INNOVATION S L

Assignee(s): STAT DIAGNOSTICA AND INNOVATION SL ; STAT DIAGNOSTICA AND INNOVATION SLBALDIRI REIXAC 4E–08028BARCELONAES ; BRU GIBERT RAFAEL ; CARRERA FABRA JORDI ; COMENGES CASAS ANNA

Inventor(s):(std): COMENGES CASES ANNA ; COMENGES CASAS ANNA ; CARRERA FABRA JORDI ; BRU GIBERT RAFAEL

Inventor(s): BRU GIBERT RAFAELES ; CARRERA FABRA JORDIES ; COMENGES CASAS ANNAES

Agent(s): SPRUSON AND FERGUSON; GOWLING LAFLEUR HENDERSON LLP; ABG PATENTES SL; STERNE KESSLER GOLDSTEIN AND FOX PLLC; ALCONADA RODRIGUEZ AGUSTIN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B01F13/08 B01L3/00 C12M1/00 C12M1/34 C12M3/00 C12Q1/04 C12Q1/68 G01N15/06 G01N33/00 G01N33/48 G01N33/53 G01N33/536 G01N35/08 G01N35/10 G01N37/00 (Advanced/Invention)

CPC: C12Q1/686 C12M23/42 G01N33/5304 B01L2200/026 B01L2200/027 B01L3/502738 B01L2300/0877 B01L2300/0803 B01L2400/0694 B01L2200/16 B01L2200/04

B01L2200/028 G01N33/53 B01L3/50273 G01N35/1081 G01N33/536 B01L2300/0627 B01L2300/18 B01L2300/0681 B01L2400/0487 B01L2200/025 B01L2300/087 G01N2035/1058 B01L3/502715 C12Q1/6806

US class: 1/1 422/502 435/287.1 435/307.1 435/6.12 435/7.1 436/501 506/9

Classification Explorer

Cited documents: WO9850147 A1, WO9609553 A1, WO9311433 A1, WO9214841 A1, WO9002938 A1, WO9000623 A1, WO9000550 A1, WO8904375 A1, WO8807670 A2, WO8802784 A1, WO8702708 A1, WO11047494 A1, WO11047494, WO10141921 A1, WO10087999 A1, WO10080115 A2, WO10077159 A1, WO10072011 A1, WO10065967 A3, WO10064160 A1, WO10051251 A1, WO10047609 A1, WO10031026 A2, WO10005467 A3, WO09149115 A1, WO09143089 A1, WO09137244 A9, WO09131686 A2, WO09131677 A1, WO09077982 A1, WO09051821 A2, WO09038628 A2, WO09030340 A1, WO09027935 A2, WO09019452 A1, WO09019448 A2, WO08140568 A2, WO08110019 A1, WO08101196 A1, WO08061165 A3, WO08060604 A3, WO08037989 A2, WO08030433 A2, WO07078850 A2, WO07075922 A2, WO07016866 A1, WO07005973 A3, WO06125767 A1, WO06122310 A2, WO06069577 A1, WO06042907 A1, WO06005347 A1, WO05107594 A2, WO05106023 A1, WO05094981 A1, WO04113874 A2, WO04078233 A3, WO04042003 A2, WO03094712 A3, WO03076937 A2, WO0218902 A1, WO0216652 A3, WO0216652 A2, WO0136666 A1, WO0126813 A2, WO0072970 A1, US9079182 BB, US9075042 BB, US9066695 BB, US8961902 BB, US8916375 BB, US8900877 BB, US8220493 BB, US7887751 BB, US7887750 BB, US7824614 BB, US7803318 BB, US7771658 BB, US7723095 BB, US7666687 BB, US7622083 BB, US7604592 BB, US7553453 BB, US7537730 BB, US7509232 BB, US7419821 BB, US7297151 BB, US7238519 BB, US7232109 BB, US7223363 BB, US7220595 BB, US7101509 BB, US7097981 BA, US6966880 BB, US6942169 BB, US6905585 BB, US6867051 BA, US6830936 BB, US6699718 BA, US6660472 BA, US6656428 BA, US6632662 BA, US6552784 BA, US6531095 BB, US6488896 BB, US6472220 BA, US6455287 BA, US6432694 BA, US6432366 BB, US6431476 BA, US6391541 BA, US6267722 BA, US6036924 A, US5971941 A, US5961925 A, US5744096 A, US5638828 A, US5637509 A, US5464773 A, US5397539 A, US5316909 A, US5223219 A, US5219526 A, US5162237 A, US5144139 A, US5116576 A, US5061076 A, US4923819 A, US4855930 A, US4808541 A, US4729875 A, US4680275 A, US4587223 A, US2014299221 AA, US2013130369 AA, US2011250680 AA, US2011008907 AA, US2010331522 AA, US2010323919 AA, US2010321004 AA, US2010297645 AA, US2010285479 AA, US2010264155 AA, US2010173398 AA, US2010119414 AA, US2010105577 AA, US2010104477 AA, US2010099178 AA, US2010068781 AA, US2009298059 AA, US2009176314 AA, US2009104076 AA, US2008268434 AA, US2008241890 AA, US2008199930 AA, US2008187924 AA, US2008057544 AA, US2008053543 AA, US2008009043 AA, US2007154350 AA, US2007152683 AA, US2007141605 AA, US2007053800 AA, US2006240403 AA, US2006078929 AA, US2006030038 AA, US2005176037 AA, US2005089443 AA, US2005053952 AA, US2005042137 AA, US2004214200 AA, US2004076990 AA, US2003162304 AA, US2003143120 AA, US2003087454 AA, US2003072681 AA, US2002155032 AA, US2002155032, US2002106787 AA, KR20080029233 A, JP2009521682 T2, JP2009521682, JP2006078265 A2, JP2005518532 T2, JP2005518532, JP2005180983 A2, JP2005180983, GB2440470 A1, GB2432420 A1, FR2939445 A1, FR2826454 A1, EP2192411 A1, EP2191900 A1, EP2187210 A1, EP2182345 A1, EP2015067 A1, EP1878496 A1, EP1391241 A1, EP1385006 A2, EP1203959 A1, EP1080785 A1, EP0563998 B1, EP0515211 A2, EP0324323 A1, CN1166875 A, CN101098956 A, CA2082770 AA, CA1338167 A1, AU604684 B2,

Forward Citations: US9618487, US2016175838, US2014287515, US2014158615,

Abstract:
Source: US2013244241A A system that includes a cartridge housing and a hollow transfer module, according to an embodiment is described herein. The cartridge housing further includes at least one sample inlet, a plurality of storage chambers, a plurality of reaction chambers, and a fluidic network. The fluidic network is designed to connect the at least one sample inlet, a portion of the plurality of storage chambers and the portion of the plurality of reaction chambers to a first plurality of ports located on an inner surface of the cartridge housing. The hollow transfer module includes a second plurality of ports along an outer surface of the transfer module that lead to a central chamber within the transfer module. The transfer module is designed to move laterally within the cartridge housing. The lateral movement of the transfer module aligns at least a portion of the first plurality of ports with at least a portion of the second plurality of ports.

0) US2009211003A – MODULAR CARTRIDGE BASED LIQUID DISPENSER SYSTEM...

20) Family number: 43648967 (US2009211003A) © PatBase

Title: MODULAR CARTRIDGE BASED LIQUID DISPENSER SYSTEM FOR TOILETS AND BIDETS

Priority: US20080036238 20080223

Family:

Publication number	Publication date	Application number	Application date
US2009211003 AA	20090827	US20080036238	20080223
US8095997 BB	20120117	US20080036238	20080223
WO09105417 A1	20090827	WO2009US34261	20090217

Probable Assignee: HARRIS ROBERT MARION

Assignee(s):(std)**:** HARRIS ROBERT ; HARRIS ROBERT MARION

Inventor(s):(std)**:** HARRIS ROBERT ; HARRIS ROBERT MARION

Agent(s): ROBERT M HARRIS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** B65D83/00 B67D5/64 B67D7/84 E03D5/00 E03D9/02 E03D9/03 (Advanced/Invention); B65D83/00 B67D7/84 E03D5/00 E03D9/02 (Core/Invention)

CPC: E03D1/01 E03D9/02

European class: E03D1/01 E03D9/02

US class: 222/173 222/173S 222/394 222/394S 4/225.1 4/227.1 4/227.100P 4/313 4/313S

Classification Explorer

Cited documents: US7543339 BA, US7322054 BB, US7028347 BB, US6993795 BB, US6944890 BA, US6662379 BB, US6496987 BA, US6076199 A, US5881396 A, US5673439 A, US5519900 A, US5429270 A, US5313674 A, US5073992 A, US5036553 A, US4392260 A, US4371993 A, US4307923 A, US4262372 A, US4174589 A, US3999226 A, US3890657 A, US3803579 A, US3314080 A, US2620486 A, US2520056 A, US2515569 A, US2099932 A, US2007151005 AA, US2007028376 AA, US2003121089 AA,

Forward Citations: WO17062968, WO15009751, US9161621, US9010277, US2015013058, US2015013057, US2012124726, EP3022365, CN105612294, CN103388355,

Abstract:
Source: US2009211003A A modular cartridge based liquid dispensing system for automatically dispensing a metered amount of liquid(s) into a toilet water tank and/or bowl. This unique programmable system mounts onto a standard water tank, and is shaped to match the tank so that it blends well with the existing toilet design for aesthetics. It is designed to dispense one or a plurality of solution types, allowing any desired solution to be dispensed, such as cleaning solutions and deodorants. It uses replaceable liquid cartridges that can be refillable or disposable, and can also use fixed tanks. This invention can also utilize all of its components in a low−rise cabinet chassis that allows the entire system to be mounted inside the water tank where it is completely hidden from view. The system also has provisions for an optional automatic toilet flushing device and can also be used to dispense its liquids to a bidet apparatus.

0) US5207241A – LIQUID SHUT–OFF VALVE

21) Family number: 20282421 (US5207241A) © PatBase

Title: LIQUID SHUT–OFF VALVE

Priority: CA19932088020 19930125 US19920925875 19920807

Family:

Publication number	Publication date	Application number	Application date
CA2088020 AA	19940208	CA19932088020	19930125
CA2088020 C	19980623	CA19932088020	19930125
US5207241 A	19930504	US19920925875	19920807
WO9403748 A2	19940217	WO1993US07402	19930806
WO9403748 A3	19940428	WO1993US07402	19930806

Probable Assignee: BABB MATTHEW T

Assignee(s):(std)**:** BABB MATTHEW T

Inventor(s):(std)**:** BABB MATTHEW T

Agent(s): RIDOUT AND MAYBEE LLP

Designated states: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

International class (IPC 8–9)**:** B67D5/34 B67D7/36 F16K31/32 F16K5/04 (Advanced/Invention); B67D7/06 F16K31/18 (Core/Invention)

International class (IPC 1–7)**:** F16K31/32 F16K33/00 F16K43/00 F16K5/04 F16L41/06

CPC: Y10T137/5762 Y10T137/6058 Y10T137/7481 Y10T137/7491 B67D7/365 F16K31/32

European class: B67D7/36B2 F16K31/32

US class: 137/312 137/315 137/315.25 137/447 137/450 141/198 251/283 251/309

Classification Explorer

Cited documents: US948519 A, US610242 A, US565730 A, US4986320 A, US4193578 A, US4103868 A, US351087 A, US3443593 A, US3218024 A, US1796808 A, US1783441 A,

Forward Citations: US7437815, US7243675, US7213610, US7128102, US7000898, US6557579, US6257497, US6227233, US6062274, US6026841, US5850849, US5660214, US5564464, US5531247, US5522415, US5472012, US5427137, US2011214754, US2005268971, US2005254910, US2005241722, US2005241696, US2005241695, US2005121641, GB2315484,

Abstract:
Source: US5207241A A liquid fuel shut–off valve for insertion through the feed pipe opening and mounting inside a fuel tank including, in combination, a valve body having an inlet and an outlet joined by a first bore aligned axially with the feed pipe through which the fuel is fed to fill the tank, a valve spool rotatably mounted in a cross–bore formed in the valve body between the inlet and the outlet and attached to a float extending outward from the valve body that is responsive to the level of liquid in the tank, and a valve shut–off formed in the spool including a second bore formed transverse thereto for passing fuel between the inlet and the outlet, and a relief opening formed in the trailing edge of the wall of the second bore allowing progressive rotation of the second bore from a first position in full hydraulic alignment with the first bore to a second position in full hydraulic closure with the first bore free of a countervailing hydraulic turning moment developed by the flow of fuel there through.

0) US2013146179A – REFRIGERATOR WITH AUTOMATIC LIQUID DISPENSER

22) Family number: 54077313 (US2013146179A) © PatBase

Title: REFRIGERATOR WITH AUTOMATIC LIQUID DISPENSER

Priority: US20110568939P 20111209 US20120709525 20121210 WO2012US68763 20121210 US20150740657 20150616 US20170419204 20170130

Family:

Publication number	Publication date	Application number	Application date
CN104105935 A	20141015	CN201280068329	20121210
CN104105935 B	20161012	CN201280068329	20121210
EP2788697 A2	20141015	EP20120806805	20121210
KR20140116092 A	20141001	KR20147018864	20121210
US2013146179 AA	20130613	US20120709525	20121210
US2015284237 AA	20151008	US20150740657	20150616
US2017137277 AA	20170518	US20170419204	20170130
US9085453 BB	20150721	US20120709525	20121210
US9557097 BB	20170131	US20150740657	20150616
WO13086501 A2	20130613	WO2012US68763	20121210
WO13086501 A3	20140508	WO2012US68763	20121210

Probable Assignee: ELECTROLUX HOME PRODUCTS INC

Assignee(s):(std)**:** ELECTROLUX HOME PROD INC

Assignee(s): ELECTROLUX HOME PRODUCTS INC

Inventor(s):(std)**:** BERTOLINI NILTON ; COMSA CORNEL ; MCMAHAN TRAVIS ; SANCHEZ JORGE CARLOS MONTALVO ; SHI ZHUOCHEN ; THOMPSON THOMAS R

Agent(s): SAMZELIUS ROGER MIKAEL; PEARNE AND GORDON LLP; GARVEY MICHAEL W ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B67D1/00 B67D1/12 B67D7/00 B67D7/22 F25D23/02 F25D23/12 G01F23/74 (Advanced/Invention)

CPC: B67D1/1238 B67D1/124 B67D2001/1268 F25D2323/122 F25D2331/81 F25D2600/02 F25D23/126 B67D7/221 F25D23/028 G01F23/74 B67D7/005 F25D23/12

US class: 1/1 141/1 141/351 141/369 141/83 141/94 141/95

Classification Explorer

Cited documents: WO05073124 A2, US8377292 BB, US8245735 BB, US8109301 BA, US8025186 BB, US8011203 BA, US7658212 BB, US7549299 BB, US7171993 BB, US7000468 BB, US6827097 BB, US6810682 BA, US6789585 BA, US6761067 BA, US6708518 BA, US6681585 BA, US6679400 BA, US6574984 BA, US6148624 A, US5827428 A, US5802910 A, US5542572 A, US5490547 A, US5156021 A, US4895194 A, US4866949 A, US4712591 A, US4451894 A, US3913401 A, US3678753 A, US3366276 A, US3178061 A, US3094154 A, US2031283 A, US2015197417 AA, US2013146179 AA, US2013133355 AA, US2013133354 AA, US2013133352 AA, US2012111049 AA, US2011265562 AA, US2011067433 AA, US2010159077 AA, US2009258120 AA, US2009183796 AA, US2007278141 AA, US2005178273 AA, US2005039420 AA, US2003097314 AA, TWM424905 Y, TWM424905, JP7155154 A2, JP678733, JP6323721 A2, JP6078733 A2, JP2008215716 A2, GB2449630 A1, EP1890097 A1,

DE102010026866 A1

DE102008043817 A1

CN201318847 Y, CN101063573 A,

Forward Citations: WO15096919, US9663343, US9630826, US9233824, US2017184210, US2017137277, US2015197417, CN104555124,

Abstract:
Source: US2013146179A A refrigerator includes a cabinet defining a fresh food compartment and a door pivotally mounted to the cabinet and including an interior surface in communication with the fresh food compartment when the door is closed. A liquid dispenser is arranged on the interior surface of the door, and a container is supported on the door and configured to receive liquid from the liquid dispenser. A sensor is configured to sense a property of the container, and a control is in communication with the sensor. The control is configured to regulate dispensing of liquid into the container based upon the sensed property of the container. In one example, the sensor is resiliently biased into contact with the container to sense a property of the container. In another example, the control indicates a stale liquid condition if a timer expires before the container has been removed from the door.

23) Family number: 46987945 (US2010243754A) © PatBase

Title: MULTIPURPOSE CARTRIDGE–BASED LIQUID DISPENSING AIR FRESHENER SYSTEM

Priority: US20090412401 20090327

Family:

Publication number	Publication date	Application number	Application date
US2010243754 AA	20100930	US20090412401	20090327
US8170405 BB	20120501	US20090412401	20090327

Probable Assignee: HARRIS ROBERT M

Assignee(s):(std)**:** HARRIS ROBERT M

Inventor(s):(std)**:** HARRIS ROBERT M

Agent(s): ROBERT HARRIS

International class (IPC 8–9)**:** A01G13/06 A61L9/04 F24F3/14 (Advanced/Invention); A61L9/04 (Core/Invention)

CPC: A61L2209/11 A01M1/2072 A01M1/2033 A01M1/205 A01M1/2077 A61L9/032 A61L9/035 A61L9/122 A61L9/125 A61L9/14 A61L2209/111 A61L2209/12 A61L2209/132 A61L2209/133 B60H3/0014 B60H2003/0064

European class: A01M1/20C2F A01M1/20C2L2 A01M1/20C4F A01M1/20C4G A61L9/03F A61L9/03M A61L9/12F A61L9/12M A61L9/14 B60H3/00B1 K61L209/111 K61L209/120 K61L209/132 K61L209/133 L60H3/00B14

US class: 239/34 239/34P 392/386 392/387 392/392 392/463

Classification Explorer

Cited documents: US7734159 BB, US7493028 BB, US7223166 BA, US7152809 BB, US6950607 BB, US6859615 BB, US6783117 BB, US6619559 BB, US6443434 BA, US5591409 A, US5259062 A, US5167877 A, US5111477 A, US4629604 A, US4603030 A, US4601886 A, US2008085103 AA, US2006291828 AA, US2006193611 AA, US2005226788 AA, US2005205916 AA, US2005167860 AA, US2005094988 AA, US2002066798 AA,

Forward Citations: WO17079350, WO16109417, WO16098115, WO16098114, WO16050545, WO16019074, WO15195548, WO14043427, WO12175984, WO12175983, WO12079975, WO12059771, US9717815, US9585982, US9549691, US9538714, US9498002, US9486822, US9422697, US9393333, US9357760, US9339578, US9278152, US9266072, US9259750, US9234338, US9205167, US9108782, US9076105, US9044522, US8970383, US8967382, US8881945, US8857662, US8733669, US8504234, US8464905, US8437879, US8385730, US8322072, US8321365, US8321061, US8265466, US8249731, US2016193900, US2015047662, US2014366809, US2014301722, US2014299491, US2014285345, US2014230960, US2014161428, US2014076991, US2014076984, US2014076983, US2014060452, US2012042563, US2011233298, US2011108635, US2011077758, US2011053549, US2010268679, US2010034526, US2010025490, FR3044558, FR3026304, EP2873427, CN105492031, CN104930675, CN104896692, AU2011324953,

Abstract:
Source: US2010243754A A high–performance, modular, multipurpose, cartridge–based, liquid dispensing air freshener system that uses at least one refillable or disposable liquid filled cartridge. It can also use fixed tanks and dispense pesticides or any other liquid that can be vaporized. This programmable device can use an unlimited number of cartridges to discharge numerous different fragrances of which can be dispensed separately or mixed. A variety of chassis size and shape configurations can be used, such as a micro–sized unit that allows extreme portability so that it can be used in cars, at office desks or easily carried around in a pocket or purse; it can also function as a compact plug–in air freshener. Cartridges can be automatically selected so that the system can dispense a different scent for different time intervals or mix scents. It can be built into an automotive dash panel or designed to fit into a car style stereo slot.

24) Family number: 30322029 (WO0147399A2) © PatBase

Title: ELECTRIC WATER HEATING APPLIANCES

Priority: EP20000985645 20001220 GB19990030504 19991223 GB20000008560 20000407 GB20010020570 20001220 GB20000023481 20000925 WO2000GB04905 20001220

Family:

Publication number	Publication date	Application number	Application date
AT337721 E	20060915	AT20000985645T	20001220
AT423492 E	20090315	AT20000002219T	20001220
AU200122048 A5	20010709	AU20010022048	20001220
CN1277498 C	20061004	CN20008005335	20001220
CN1286419 C	20061129	CN200410011795	20001220
CN1304083 C	20070314	CN200410011796	20001220
CN1304085 C	20070314	CN200410011794	20001220
CN1354633 A	20020619	CN20008005335	20001220
CN1593304 A	20050316	CN200410011794	20001220
CN1593305 A	20050316	CN200410011795	20001220
CN1593306 A	20050316	CN200410011796	20001220
DE20023875 U1	20070215	DE20002023875U	20001220
DE60030455 D1	20061012	DE20006030455	20001220
DE60030455 T2	20070201	DE20006030455T	20001220
DE60030455 T3	20110505	DE20006030455T	20001220
DE60041668 D1	20090409	DE20006041668	20001220
EP1220630 A2	20020710	EP20000985645	20001220
EP1220630 B1	20060830	EP20000985645	20001220
EP1220630 B2	20101124	EP20000985645	20001220
EP1527720 A1	20050504	EP20050002219	20001220
EP1527720 B1	20090225	EP20050002219	20001220
ES2274815 T3	20070601	ES20000985645T	20001220
ES2274815 T5	20110331	ES20000985645T	20001220
ES2321726 T3	20090610	ES20050002219T	20001220
GB200008560 A0	20000524	GB20000008560	20000407
GB200023481 A0	20001108	GB20000023481	20000925
GB200120570 A0	20011017	GB20010020570	20001220
GB200328187 A0	20040107	GB20030028187	20001220
GB200328190 A0	20040107	GB20030028190	20001220
GB200328198 A0	20040107	GB20030028198	20001220
GB200328201 A0	20040107	GB20030028201	20001220
GB200328205 A0	20040107	GB20030028205	20001220
GB200328210 A0	20040107	GB20030028210	20001220
GB2363564 A1	20020102	GB20010020570	20001220
GB2363564 B2	20040616	GB20010020570	20001220
GB2392079 A1	20040225	GB20030028187	20001220
GB2392079 B2	20040505	GB20030028187	20001220
GB2392080 A1	20040225	GB20030028190	20001220
GB2392080 B2	20040505	GB20030028190	20001220
GB2392370 A1	20040303	GB20030028198	20001220
GB2392370 B2	20040526	GB20030028198	20001220

GB2392371 A1	20040303	GB20030028201	20001220	
GB2392371 B2	20040505	GB20030028201	20001220	
GB2392372 A1	20040303	GB20030028205	20001220	
GB2392372 B2	20040505	GB20030028205	20001220	
GB2392373 A1	20040303	GB20030028210	20001220	
GB2392373 B2	20040505	GB20030028210	20001220	
GB9930504 A0	20000216	GB19990030504	19991223	
PT1527720 T	20090402	PT20050002219T	20001220	
WO0147399 A2	20010705	WO2000GB04905	20001220	
WO0147399 A3	20011227	WO2000GB04905	20001220	

Probable Assignee: STRIX LTD

Assignee(s):(std)**:** JOHNSTON SIMON RICHARD ; MANDER PAUL HAYDEN ; STRIX LIMITED ; STRIX LTD

Inventor(s):(std)**:** JOHNSTON SIMON R ; JOHNSTON SIMON R MANDER PAUL H ; JOHNSTON SIMON RICHARD ; MANDER PAUL H ; MANDER PAUL HAYDEN ; MANDER SIMON R JOHNSTON PAUL H ; PAUL H MANDER ; SIMON R JOHNSTON

Inventor(s): SIMON R JOHNSTON PAUL H MANDER ; SIMON RICHARD JOHNSTON ; PAUL HAYDEN MANDER

Agent(s): SAMUELS ADRIAN JAMES; SAMUELS ADRIAN JAMES ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): A47J27/21 B01D27/02 B01D43/00 C02F1/00 C02F1/02 C02F1/28 C02F1/42 (Advanced/Invention); C02F1/02 C02F1/28 C02F1/42 (Advanced/Non–invention); A47J27/21 (Core/Invention)

International class (IPC 1–7): A47J27/21 B01D27/02

CPC: A47J27/21075 A47J27/21083 A47J27/21175 A47J27/21183 C02F1/003 C02F1/02 C02F1/283 C02F1/42 C02F2201/006 C02F2209/02 C02F2209/42 C02F2303/04 C02F2307/04

European class: A47J27/21B4A1 A47J27/21B4B A47J27/21C1 A47J27/21C2 C02F1/00D4 M02F1/02 M02F1/28D M02F1/42 M02F201/00D8 M02F209/02 M02F209/42 M02F303/04 M02F307/04

Classification Explorer

Cited documents: WO9953813 A1, WO9935091 A1, WO9902080 A1, WO9704694 A2, WO9622045 A1, US6178290 BA, US6103114 A, US5852281 A, US5552046 A, US5503740 A, US5308482 A, US5061367 A, US4283283 A, US3934118 A, JP2099190 A2, GB2298723 A1, GB2282957 A1, GB2280595 A1, GB2187931 A1, FR2712474 A1, EP0992458 A2, EP0880986 A2, EP0510863 A2, EP0324634 A2, DE9207977 U,

Forward Citations: WO15102553, WO14084997, WO13144848, WO12150466, WO10081845, WO09010110, WO08139173, WO08139173, WO08026989, WO08026989, WO05087276, WO05087276, WO04014519, US8673147, US8627760, US8454826, US8097834, US7783176, US7102106, US7102106, TWI406644, ITVI20130080, GB2492793, GB2466219, GB2441628, GB2388305, GB2385510, GB2385510, GB2377751, GB2377751, FR3006875, EP2818084, EP2679545, EP2436431, EP2436286, EP2374381, EP1915930, EP1767128, EP1690478, EP1442689, EP1442688, DE102013202430, DE102012210830, DE102008027536, DE102008027536, DE102005059504, CN104245095, CN104138212, CN104138212, CN103582613, CN103582613, AU2003251372,

Abstract:
A liquid heating appliance (102) has a relatively high power heating means for bringing liquid in the appliance to boiling and a relatively low power heating means to maintain it at boiling for a predetermined time thereafter. A first steam sensitive control (140) switches the appliance from high power to low power and a second steam sensitive control (142) switches the low power heating means off. Liquid entering the appliance may be treated by passing through a filter (116).

25) Family number: 40991061 (US2008178819A) © PatBase

Title: SWIFTLETS FARMING FOR PRODUCTION OF EDIBLE BIRD'S NESTS

Priority: SG20060008249 20060313 SG20060082499 20061201 US20070949695 20071203 US20090630309 20091203 US20110218197 20110825 SG20070181126 20071123 US20120526929 20120619 US20140179985 20140213 US20140328285 20140710 US20150755493 20150630

Family:

Publication number	Publication date	Application number	Application date
SG136025 A1	20071029	SG20060082499	20061201
SG152946 A1	20090629	SG20070181126	20071123
SG171554 A1	20110629	SG20100008551	20101122
SG171554 A1	20110629	SG20100085512	20101122
TH115495 A	20120731	TH20101001844	20101203
US2008178819 AA	20080731	US20070949695	20071203
US2010139572 AA	20100610	US20090630309	20091203
US2012048205 AA	20120301	US20110218197	20110825
US2012255501 AA	20121011	US20120526929	20120619
US2014230744 AA	20140821	US20140179985	20140213
US2014318468 AA	20141030	US20140328285	20140710
US2015296749 AA	20151022	US20150755493	20150630
US8205577 BB	20120626	US20090630309	20091203
US8210126 BB	20120703	US20070949695	20071203
US8651061 BB	20140218	US20120526929	20120619
US9066501 BB	20150630	US20140179985	20140213

Probable Assignee: SIA YIK HEI

Assignee(s):(std)**:** SIA YIK HEI ; TAN JEE HONG

Inventor(s):(std)**:** SIA YIK HEI ; TAN JEE HONG ; HONG TAN JEE ; HEI SIA YIK

Agent(s): CROCKETT AND CROCKETT; CROCKETT AND CROCKETT PC; NIKY ECONOMY; K DAVID; NIKY ECONONY

International class (IPC 8–9): A01K1/00 A01K31/00 A01K31/06 A01K31/12 A01K31/14 A01K31/16 A01K31/18 A01K31/22 A01K39/04 F24F5/00 F24F6/00 (Advanced/Invention); E04B1/00 (Advanced/Non–invention); A01K1/00 A01K31/00 (Core/Invention); E04B1/00 (Core/Non–invention)

International class (IPC 1–7): A01K1/00 A01K31/00

CPC: A01K39/04 A01K31/18 A01K31/14 A01K31/00 A01K31/06 A01K31/22

European class: A01K31/00 A01K31/06 A01K31/14 A01K31/22

US class: 1/1 119/300 119/346 119/436 119/436S 119/437 119/448 119/448S 119/449 119/531 119/531S 52/741.1 52/741.100S

Classification Explorer

Cited documents: US7174847 BA, US6938577 BB, US6591593 BA, US6530344 BB, US6481190 BB, US6311642 BA, US6095089 A, US6029607 A, US5438794 A, US5437146 A, US4924810 A, US4736574 A, US4235196 A, US4116137 A, US3939802 A, US3867903 A, US3530831 A, US2881733 A, US2015264893 AA, US2007215061 AA, US1823584 A, US1083318 A,

Forward Citations: WO14025324, USD767215, USD719704, USD703390, US9709228, US9672967, US9523237, US9497938, US9482397, US9382002, US9315422, US8874283, US7992322, US7971368, US7765716, US7748137, US7661391, US2015300673, US2015204497, US2015122195, US2014305738, US2014279818, US2012186524,

US2011287705, US2011174222, US2007215061, GB2476510, EP2813158, CN105265322, CN105052755, CN103310250,

Abstract:
Source: US2008178819A A swiftlet breeding facility, for use in creating and harvesting edible bird's nests. The facility includes sub−systems for injecting live insect and worm prey, and water, into an aerial enclosure to provide a feeding system imitative of a natural swiftlet feeding environment.

0) US2014001192A – LIQUID METERING ASSEMBLY

26) Family number: 53025063 (US2014001192A) © PatBase

Title: LIQUID METERING ASSEMBLY

Priority: US20120536587 20120628 US20130888481 20130507

Family:

Publication number	Publication date	Application number	Application date
CN202717145 U	20130206	CN201220402787U	20120814
US2014001192 AA	20140102	US20120536587	20120628
US2014001212 AA	20140102	US20130888481	20130507
US8678228 BB	20140325	US20120536587	20120628
US9061813 BB	20150623	US20130888481	20130507
WO14004200 A1	20140103	WO2013US46526	20130619

Probable Assignee: ZAK DESIGNS INC

Assignee(s):(std)**:** DETECT KHAN DESIGN CO ; STEININGER JEFF ; ZAK DESIGNS INC

Inventor(s):(std)**:** STEININGER JEFF ; JEFFSCHTANINGE

Agent(s): PAINE HAMBLEN LLP; GRIGEL GEORGE G

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47G19/22 A61J11/02 A61J7/00 A61J9/00 A61J9/04 B65D47/20 B65D51/16 B65D51/18 B65D83/00 (Advanced/Invention)

CPC: B65D83/0055 B65D47/06 B65D47/20 A61J9/04 A61J9/085 B65D47/2043

US class: 1/1 215/11.1 215/11.4 215/11.5 220/203.18 220/203.19 220/253 220/703 220/711 220/714 220/717 220/719 222/209 222/481

Classification Explorer

Cited documents: USD683189 S1, USD666874 S1, USD636634 S1, US8678228 BB, US8528756 BB, US8505767 BB, US8453870 BB, US8333299 BB, US8333286 BB, US8256642 BB, US8033420 BB, US7575126 BB, US7556172 BB, US7478733 BB, US7419069 BB, US7198167 BB, US7150370 BB, US7150369 BA, US7124907 BB, US6883672 BB, US6786352 BB, US6758364 BA, US6732882 BB, US6705485 BA, US6568557 BB, US6523711 BA, US6508379 BA, US6401949 BA, US6305570 BA, US6230923 BA, US6138710 A, US6112919 A, US6102245 A, US5938053 A, US5890621 A, US5890620 A, US5791503 A, US5706973 A, US5542670 A, US5518142 A, US5509551 A, US5361934 A, US5348179 A, US5259538 A, US5249703 A, US5150815 A, US5150800 A, US5143248 A, US5101992 A, US4600111 A, US4146157 A, US4130215 A, US3727808 A, US3360160 A, US3337098 A, US3335890 A, US3211315 A, US2811270 A, US2803251 A, US2745568 A, US2630118 A, US2608841 A, US2372281 A, US2014305945 AA, US2014252013 AA, US2014069944 AA, US2013233870 AA, US2013213966 AA, US2013119008 AA, US2012261375 AA, US2012187124 AA, US2012160851 AA, US2012031917 AA, US2012000929 AA, US2011198349 AA, US2011062170 AA, US2011049169 AA, US2010294764 AA, US2010270322 AA, US2010170902 AA, US2010147862 AA, US2010044386 AA, US2009255944 AA, US2009039047 AA, US2009020544 AA, US2008142519 AA, US2008128438 AA, US2008078200 AA, US2007051727 AA, US2007012698 AA, US2006261064 AA, US2006249521 AA, US2006237387 AA, US2006169694 AA, US2006151499 AA, US2006037963 AA, US2005224495 AA, US2005205589 AA, US2005072788 AA, US2005072787 AA, US2005045647 AA, US2004173623 AA, US2003209555 AA, US2002185495 AA, US2002121525 AA, US2001035420 AA, US2001027956 AA, US2001017306 AA,

Forward Citations: USD755569, US9650183, US9499315, US9061813, US2014001212, GB2522790,

Abstract:
Source: US2014001192A A liquid metering assembly is described and which includes a container for enclosing a

source of a liquid to be dispensed; a container cap defining a dispensing aperture and a vent aperture which is releasably affixed to the container; a moveable diaphragm releasably cooperating with the container cap, and coupled in fluid flowing relation relative to the dispensing aperture, and wherein the moveable diaphragm has a valve member; and a moveable liquid volume control member which cooperates with the moveable diaphragm, and wherein, when a predetermined suction is applied to the dispensing aperture of the container cap, a user may withdraw a given volume of liquid from the beverage container.

0) US2004197444A – MACHINE FOR THE PREPARATION OF BEVERAGES

27) Family number: 33465470 (US2004197444A) © PatBase

Title: MACHINE FOR THE PREPARATION OF BEVERAGES

Priority: EP20040250390 20040123 GB20030001747 20030124 US20040763444 20040123 WO2004GB00287 20040123 US20030462538P 20030411

Family:

Publication number	Publication date	Application number	Application date
AU2004206100 AA	20040805	AU20040206100	20040123
CA2513891 AA	20050720	CA20042513891	20040123
CA2513891 C	20120515	CA20042513891	20040123
CN100591253 C	20100224	CN200480007885	20040123
CN1780574 A	20060531	CN200480007885	20040123
EP1440640 A2	20040728	EP20040250390	20040123
EP1440640 A3	20040804	EP20040250390	20040123
EP1440640 B1	20071031	EP20040250390	20040123
EP1440640 B2	20140618	EP20040250390	20040123
EP1440640 B9	20140910	EP20040250390	20040123
EP1629752 A2	20060301	EP20050026204	20040123
EP1629752 A3	20080319	EP20050026204	20040123
EP1629752 B1	20090819	EP20050026204	20040123
EP1629752 B9	20100310	EP20050026204	20040123
GB200301747 A0	20030226	GB20030001747	20030124
GB200505992 A0	20050427	GB20050005992	20030124
GB2397509 A1	20040728	GB20030001747	20030124
GB2397509 B2	20051123	GB20030001747	20030124
GB2409965 A1	20050720	GB20050005992	20030124
GB2409965 B2	20050921	GB20050005992	20030124
JP2006517429 T2	20060727	JP20060500242T	20040123
KR101073804 B1	20111013	KR20057013525	20040123
KR20050105986 A	20051108	KR20057013525	20040123
LT2005079 A	20060725	LT20050000079	20050823
MXPA05007864 A1	20051018	MX2005PA07864	20040123
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NO20053933 A0	20050823	NO20050003933	20050823
PL204367 B1	20100129	PL20040377942	20040123
PL377942 A1	20060220	PL20040377942	20040123
RU2005126705 A	20060610	RU20050126705	20040123
RU2331348 C2	20080820	RU20050126705	20040123
TW200509843 A	20050316	TW20040101693	20040127
TWI352585 B	20111121	TW20040101693	20040127
US2004197444 AA	20041007	US20040763444	20040123
US7607385 BB	20091027	US20040763444	20040123
WO04064585 A1	20040805	WO2004GB00287	20040123

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std): BALLARD COLIN ; HALLIDAY ANDREW ; KRAFT FOODS R AND D INC ; PANESAR SATWINDER ; SMITH DAVID ; KRAFT FOODS R AND D ; KRAFT FUDZ R U D INK

Assignee(s): KRAFT FOODS R AMP AMP ; D INC ; DOUWE EGBERTS BV KONINKLL

Inventor(s):(std):

KHOLLIDEHJ EHNDRJU ; PANESAR SATVINDER ; SMIT DEHVID ; SMITH DAVID ; SATWINDER PANESAR ; PANESAR SATWINDER SINGH ; PANESAR SATWINDER ; HALLIDAY ANDREW MICHAEL ; HALLIDAY ANDREW ; DAVID SMITH ; DAVID HALLIDAY ANDREW BALLARD ; COLIN BALLARD ; BALLARD COLIN DARREL ; BALLARD COLIN ; BOLLARD KOLIN ; ANDREW HALLIDAY

Inventor(s): HALLIDAY ANDREW BALLARD COLIN PANESAR ; ANDREW MICHAEL HALLIDAY ; COLIN DARREL BALLARD ; HALLIDAY ANDREW BALLARD COLIN PANESAR SATWINDER SMITH DAVID ; HALLIDAY ANDREW BALLARD COLIN PANESAR SATWINDER SM ; SATWINDER SINGH PANESAR

Agent(s): GRIFFITH HACK; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; BOULT WADE TENNANT; THOMSON NEIL DAVID; FITCH EVEN TABIN AND FLANNERY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8-9): A47J31/06 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/56 B65D81/00 B65D85/804 (Advanced/Invention);
A47J31/40 (Advanced/Non-invention);
A47J31/06 A47J31/24 A47J31/40 A47J31/44 B65D81/00 B65D85/804 (Core/Invention)

International class (IPC 1-7): A23B4/00 A47J31/36 A47J31/40 B65D85/804

CPC: A47J31/4407 A47J31/446 B65D85/8043 A47J31/56 A47J31/0673 A47J31/369 A47J31/3695 A47J31/4492 B65D2203/06 A47J31/40

European class: A47J31/06C A47J31/06L A47J31/06P4B A47J31/36B4D A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A1 A47J31/44A4 A47J31/44H A47J31/56 B65D81/00B3 B65D85/804B

US class: 426/112 426/112P 99/280 99/282 99/295

Classification Explorer

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Forward Citations: WO17085020, WO17074208, WO17074207, WO17031212, WO16203471, WO16176779, WO16126904, WO13078379, WO13078379, WO12083194, WO12083194, WO12080597, WO12062842, WO12031106, WO11144719, WO11144040, WO11089049, WO11089048, WO10112353, WO10076264, WO10076263, WO10003878, WO08114210, WO08104751, WO08049223, WO06077259, WO06050856, WO06032565, USD647399, USD647398, USD637484, US9718606, US9708109, US9676538, US9669992, US9668606, US9668452, US9648980, US9598230, US9582699, US9578984, US9555957, US9545171, US9545170, US9538876, US9481508, US9481506, US9463921, US9451847, US9402406, US9386877, US9375112, US9352287, US9339143, US9320382, US9272827, US9268984, US9260284, US9260238, US9248954, US9247846, US9198533, US9149151, US9149150, US9149149, US9125518, US9114902, US9113654, US9101163, US9084509, US9079706, US8996178, US8978544, US8978543, US8974846, US8950317, US8936819, US8887622, US8857317, US8852659, US8844427, US8814000, US8794127, US8784915, US8771768, US8740020, US8722124, US8688277, US8647691, US8590753, US8567304, US8563058, US8515574, US8505440, US8490541, US8460732, US8459179, US8434642, US8425957, US8399035, US8371211, US8367133, US8361527, US8327754, US8322271, US8180204, US8168247, US8162176, US8087347, US8033211, US7964230, US7947316, US7863546, US7798054, US7401545, US2016249765, US2016244249, US2016242456, US2016242455, US2015257586, US2014328983, US2014322412, US2014170278, US2014109772, US2013129876, US2013078340, US2013025465, US2013014648, US2012295234, US2012207893, US2012060698, US2011250333, US2011110180, US2011027425, US2010326283, US2010275786, US2010189844, US2010092629, US2010083841, US2010040743, US2009022855, US2009007792, US2008264267, US2008184895, US2008173181, US2008160153, US2008148948, US2008089982, US2008008461, US2007196402, US2007175334, US2007169635, US2007163446, US2006096465, TWI526183, RU2614092, RU2599705, RU2595591, RU2587060, RU2584111, RU2571197, RU2560312, RU2557729, RU2552985, RU2550486, RU2544134, RU2493764, RU2472414, KR20140128987, KR20110100309, KR20110100308, KR101726887, KR101676056, KR101654679, KR101542293, KR101322877, JP2013529112, JP2013510680, JP2012514492, JP2012513785, JP2012513784, JP2010518999, JP2009511143, JP2008518700, JP2008503285, JP2008259851, ITTO20081006, ITRM20110327, FR2896392, FR2874210, EP3190067, EP3175745, EP3167775, EP3132725, EP3085642, EP2992792, EP2976975, EP2498900, EP2498900, EP2345352, EP2345351, EP2266446, EP2236437, EP1974638, EP1950150, EP1938720, EP1827180, EP1813335, EP1810600, EP1810600, EP1791770, DE102014108930, CN104093340, CN103249335, CN103249335, CN103237482, CN103237482, CN103140154, CN103140154, CN103006064, CN102781290, CN102781290, CN102770199, CN102567694, CN102551526, CN102365214, CN102365214, CN102273941, CN102264266, CN102264265, AU2011208836, AU2011208836, AU2006207464, AU2006207464, AU2006207464,

Abstract:
Source: US2004197444A A low pressure beverage preparation system for automatically preparing a range of beverage types from a range of beverage cartridges, the system comprising: a beverage preparation machine; and a plurality of beverage cartridges, each beverage cartridge containing one or more beverage ingredients associated with a specific beverage type, wherein the beverage preparation system comprises: a. means for receiving one of said plurality of beverage cartridges in said beverage preparation machine and means for supplying, in use, to said beverage cartridge an aqueous medium at a pressure of less than 2 bar to produce a beverage from the one or more beverage ingredients contained therein; b. a reader in said beverage preparation machine for automatically interpreting a code written on said beverage cartridge; c. processing means for creating a specific brewing cycle based on said code; d. means for automatically adjusting a temperature of said aqueous medium based on said code prior to supply of said aqueous medium to the beverage cartridge; e. means in at least some of said plurality of beverage cartridges for optionally, dependant on beverage type, producing foaming of the beverage; and f. a user interface for initiating an operating cycle; wherein the beverage preparation system can produce a range of beverage types including at least, but not limited to, filtered coffee, cappuccino, tea, chocolate and frothed milk, and wherein operation of the user interface is independent of the beverage type being dispensed.

28) Family number: 28091392 (US2003066638A) © PatBase

Title: DEVICES USING A MEDIUM HAVING A HIGH HEAT TRANSFER RATE

Priority: US20010928883 20010813 US20010928883 20010813 WO2002US25330 20020809

Family:

Publication number	Publication date	Application number	Application date
AU2002332494 AA	20030303	AU20020332494	20020809
US2003066638 AA	20030410	US20010928883	20010813
US7220365 BB	20070522	US20010928883	20010813
WO03016811 A2	20030227	WO2002US25330	20020809
WO03016811 A3	20040805	WO2002US25330	20020809

Probable Assignee: QUANTUM TECHNOLOGY HOLDING LTD

Assignee(s):(std)**:** CHAO JASON ; CHEN PENG ; LI YUFU ; NEW QU ENERGY LTD ; QU YUZHI ; QU ZHIPENG ; YANG HONGYUAN ; WEI QIFENG ; YAN JUNHUA

Assignee(s): YANG HONG YUAN ; WEI QI FENG ; QUANTUM TECHNOLOGY HOLDING LTD ; QUANTUM TECHNOLOGY HOLDINGS LTD

Inventor(s):(std)**:** QU YUZHI ; QU ZHIPENG ; WEI QI FENG ; WEI QIFENG ; YAN JUNHUA ; YANG HONG YUAN ; YANG HONGYUAN ; CHAO JASON ; CHEN PENG ; LI YUFU

Inventor(s): PENG CHEN ; QIFENG WEI ; HONGYUAN YANG ; JASON CHAO ; JUNHUA YAN ; YUFU LI ; YUZHI QU ; ZHIPENG QU

Agent(s): MORRISON AND FOERSTER LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): C09K5/14 F28D15/00 F28F13/00 H01L23/373 H05K7/20 (Advanced/Invention); H01L23/427 (Advanced/Non–invention); C09K5/00 F28D15/00 F28F13/00 H01L23/34 H05K7/20 (Core/Invention)

International class (IPC 1–7): C09K5/00 F28F1/00

CPC: Y10S165/905 Y02E10/44 H05K7/20336 B01J2208/00123 B01J2208/00185 B01J2219/00078 B65D88/744 C09K5/14 F01K13/00 F22B21/00 F24J2/32 F24J2/345 F28D1/0213 F28D7/10 F28D15/00 F28D15/0266 F28D15/0275 F28D21/0003 F28F1/14 F28F1/34 F28F13/00 H01L23/427 H01L2924/0002 Y10T428/1317

European class: C09K5/14 F01K13/00 F22B21/00 F24J2/32 F24J2/34B F28D15/00 F28D15/02M F28D15/02N F28F13/00 H05K7/20E30 L01J208/00C2D2B L01J208/00C2D4B L01J219/00B2D2B L65D88/74F R28D1/02A4 R28D21/00A4 R28D7/10 R28F1/14 R28F1/34 T01L23/427

US class: 165/104.15 165/185 165/186 165/905 252/70 257/E23.088 257/E23.088S 257/E23.11 257/E23.110S 428/34.6 428/469 428/470 428/471 428/472 428/699 428/701 428/702

Classification Explorer

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Forward Citations: WO15066538, WO13124004, WO13102501, WO12068218, WO11127575, WO10062359, WO10056281, WO10036849, WO10036849, WO09023204, WO07123837, USD775345, USD656237, USD645158, US9717260, US9711705, US9708980, US9694396, US9693486, US9644344, US9599407, US9593465, US9555186, US9515536, US9485807, US9420638, US9417013, US9409205, US9404650, US9387297, US9386634, US9374885, US9211377, US9210834, US9206542, US9181610, US9173328, US9165590, US9113577, US9004670, US8991478, US8986253, US8973650, US8931186, US8926561, US8859882, US8829744, US8816865, US8806883, US8802524, US8770340, US8763250, US8758323, US8709158,

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Abstract:
Source: US2003066638A Disclosed is a heat transfer medium having high heat transfer rate, being useful in even wider fields, simple in structure, easy to made, environmentally sound, and capable of rapidly conducting heat and preserving heat in a highly efficient manner. Further disclosed are a heat transfer surface and a heat transfer element utilizing the heat transfer medium. Further disclosed are applications of the heat transfer element.

0) US2001000830A – UPRIGHT EXTRACTION CLEANING MACHINE

29) Family number: 42144233 (US2001000830A) © PatBase

Title: Upright extraction cleaning machine

Priority:

GB19990003714 19990219 GB20050015877 20050802 GB20080003584 20050802
GB20080003581 20050802 US19950007289P 19951106 US19950006665P 19951113
US19960029988P 19960920 US19960743844 19961105 US19960741746 19961105
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Family:

Publication number	Publication date	Application number	Application date
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GB200515877 A0	20050907	GB20050015877	20050802
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US2002166193 AA	20021114	US20020138108	20020503
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US2009078284 AA	20090326	US20080328003	20081204
US2016037990 AA	20160211	US20150921463	20151023
US5867861 A	19990209	US19960747306	19961112
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Probable Assignee: BISSELL HOMECARE INC

Assignee(s):(std)**:** BISSELL HOMECARE INC ; BISSELL INC

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Inventor(s): MCDOWELL DAVID ; BLASE LEGAL REPRESENTATIVE BY GLORIA R ; TIMOTHY E KASEN ; GARY A KASPER ; ERIC J HANSEN ; ERIC C HUFFMAN ; DAVID E MCDOWELL ; HUFFMAN ERIC ; LUKE E KELLY

Agent(s): MCGARRY BAIR PC

International class (IPC 8–9)**:** A46B9/02 A47L11/03 A47L11/30 A47L11/34 A47L11/40 A47L5/28 A47L5/30 A47L5/32 A47L7/00 A47L9/00 A47L9/02 A47L9/28 B01F15/04 B01F3/08 B01F5/00 B08B5/00 B08B7/04 C11D11/00 C11D3/00 C11D3/39 C11D7/32 F16K31/54 F22B1/28 H05B3/00 (Advanced/Invention); A47L11/00 A47L11/29 A47L5/22 A47L7/00 B01F3/08 C11D11/00 C11D3/00 C11D3/39 C11D7/22 F16K31/44 H05B3/00 (Core/Invention)

International class (IPC 1–7)**:** A47L11/20 A47L11/202 A47L11/204 A47L11/30 A47L11/34 A47L5/28 A47L5/34 A47L7/00 A47L9/00 A47L9/06 A47L9/30 A47L9/32 A62C13/62 D06B1/00 F16K17/36 F16K17/36 F16K33/00 F16K33/00

CPC: C11D3/0031 C11D3/3947 C11D7/3254 C11D11/0005 C11D3/39 C11D3/3905 C11D3/3917 C11D11/007 A47L11/4061 A47L11/4008 A47L11/4011 A47L11/4019 A47L5/225 A47L7/0023 A47L11/40 A47L11/4005 A47L11/4094 C11D17/049 A47L11/4058 A47L5/28 A47L7/0004 A47L9/0009 A47L9/02 A47L11/03 A47L11/30 A47L11/305 A47L11/4025 A47L11/4036 A47L11/4069 A47L11/4075 A47L11/4091 B01F3/088 B01F5/0077 B01F15/0261 B01F15/0404 Y10T137/88054 A46B9/026 A47L11/4086 A47L5/30 A47L5/32 A47L7/0009 A47L7/0028 A47L7/0038 A47L7/0042 A47L9/0036 A47L11/34 A47L11/4016 A47L11/4041 A47L11/4044 A47L11/4083 A47L11/4088 F16K31/54 F22B1/284 H05B3/00

European class: A47L11/03 A47L11/30 A47L11/30B2 A47L11/34 A47L11/40 A47L11/40B2 A47L11/40B4 A47L11/40C A47L11/40D2 A47L11/40D2B A47L11/40D4 A47L11/40F A47L11/40F4

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Classification Explorer

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CN104550169, CN104107012, CN104023611,

CN104023611, CN103906456, CN103906456, CN103841871, CN103799922, CN103799922, CN103621489, CN103621489, CN103445729, CN103284652, CN103220958, CN103188981, CN103188980, CN102858470, CN102858470, CN102834037, CN102834037, CN102711577, CN102670138, CN102670138, CN102652656, CN102551596, CN102551596, CN102525352, CN102085081, CN102085081, CN102068218, CN102068218, AU2014255502, AU2013201271, AU2005261482, AU2004216217,

Abstract:
Source: US2001000830A A portable surface cleaning apparatus including a base module for movement along a surface, an upright handle pivotally attached to the base module, a liquid dispensing system including a flexible bladder defining a fluid supply chamber for holding a supply of cleaning fluid, a fluid recovery system including a tank on the base module having a fluid recovery chamber for holding recovered fluid and housing the flexible bladder, and a fluid passageway between the fluid supply chamber and the recovery chamber, whereby the recovery chamber is in fluid communication with the fluid supply chamber and the pressure in the flexible bladder is equalized with the pressure in the tank as the cleaning fluid is dispensed from the supply chamber and the dirty liquid is collected in the recovery chamber. In a further embodiment the tank has an outlet opening in a bottom portion thereof and a drain plug is removably mounted in the outlet opening. In another embodiment a lid mounted on the tank defines an expansion chamber having an inlet opening, an outlet passage, and first and second diverters against which the working air flow reverses direction twice between the inlet opening of the expansion chamber and the tank. In another embodiment the working air conduit includes a manual actuator knob having an over−center linkage mechanism connected to a conversion valve for movement between first and second positions and thereby selectively moving the conversion valve between open and closed positions, whereby fluid communication between the tank and the suction nozzle is selectively opened and closed. In a further embodiment, a flow indicator is mounted to the base module and has a visibility window observable to a user and the flow indicator is disposed in the fluid supply conduit and is responsive to the flow of fluid through the fluid supply conduit to visually indicate the flow of fluid through the supply conduit to the user. Another embodiment includes a pump primer connected to the pump and having a housing defining a priming chamber with a valved opening connected to the vacuum source, an inlet opening connected to the fluid supply chamber, and an outlet opening connected to an inlet for the pump. A further embodiment includes a first mechanical connector extending between the motor drive shaft and the pump drive shaft, whereby the motor drives both the agitation brush and the pump. In a further embodiment, the base module includes an upper housing portion and a lower housing portion and an upright handle is pivotably mounted to the rear portion of the base module through at least one bearing for rotatable reception in the housing. In another embodiment, an elevator assembly is reciprocally mounted to the base module and movable in response to movement of the upright handle from an operative position to the upright position for upwardly pivoting a pivot arm mounting an agitation brush.

0) DE102013112328A1 – WASSERABGABESTEUERUNG WATER SUPPLY CONTROL (...

30) Family number: 59227267 (DE102013112328A1) © PatBase

Title: WASSERABGABESTEUERUNG WATER SUPPLY CONTROL (Machine translation)

Priority: DE201310112328 20131108

Family:

Publication number	Publication date	Application number	Application date
DE102013112328 A1	20150513	DE201310112328	20131108

Probable Assignee: BORCHERT STEFAN

Assignee(s):(std)**:** BORCHERT STEFAN

Inventor(s):(std)**:** BORCHERT STEFAN

International class (IPC 8–9)**:** E03C1/05 (Advanced/Invention)

CPC: E03B1/048

Classification Explorer

Cited documents: US6286764 BA, US6098213 A, US4753265 A, US2012118414 AA, EP0446862 A2, DE3030716 A1,

Abstract:
Source: DE102013112328A1 Die vorliegende Erfindung betrifft ein Wasserabgabesystem mit einer Warmwasser– und einer Kaltwasserzuleitung (2, 3) zu einer gemeinsamen Mischwasserleitung (4), welche zu einer Wasserabgabeeinrichtung (5) zur Abgabe des Mischwassers fuehrt. Um ein Wasserabgabesystem bereitzustellen, bei dem der Verlust von ungenutztem Wasser minimiert wird, wird erfindungsgemaess vorgeschlagen, dass zumindest ein erstes elektrisch betriebenes Ventil (6A, 6B) vorgesehen ist, durch welches eine Zuflussmenge (Mzu) des Warmwassers und/oder des Kaltwassers in die Mischwasserleitung (4) einstellbar ist, in der Mischwasserleitung (4) eine Bestimmungseinrichtung (7) zum Bestimmen einer Ist–Temperatur (Tist) des Mischwassers angeordnet ist, ein Behaeltnis (8) als Reservoir zum Sammeln von Mischwasser vorgesehen ist, wobei die Mischwasserleitung (4) eine erste Verzweigungsleitung (9) als Zuleitung zu der Wasserabgabeeinrichtung (5) und eine zweite Verzweigungsleitung (10) als Zuleitung zu dem Behaeltnis (8) aufweist und wobei zumindest ein zweites elektrisch betriebenes Ventil (11) vorgesehen ist, durch welches der Zufluss des Mischwassers in die erste und/oder zweite Verzweigungsleitung (9, 10) geoeffnet und gesperrt werden kann, und eine Steuereinrichtung (12) vorgesehen ist, welche die elektrisch betriebenen Ventile (6A, 6B, 11) im Betrieb des Systems so steuert, dass das Verhaeltnis (Vzu) der Zuflussmengen von Warmwasser und Kaltwasser in die Mischwasserleitung (4) einer vorbestimmten Temperatur als Soll–Temperatur (Tsoll) des Mischwassers entspricht und dass in einem ersten Betriebszustand (B1) des Systems, wenn die von der Bestimmungseinrichtung (7) bestimmte Ist–Temperatur (Tist) eine vorbestimmte Temperatur als Schalttemperatur (Tschalt) unterschreitet, die Mischwasserzufuhr zur ersten Verzweigungsleitung (9) gesperrt und zur zweiten Verzweigungsleitung (10) geoeffnet ist und in einem zweiten Betriebszustand (B2) des Systems, wenn die bestimmte Ist–Temperatur (Tist) die Schalttemperatur (Tschalt) erreicht hat, die Mischwasserzufuhr zur ersten Verzweigungsleitung (9) geoeffnet und zur zweiten Verzweigungsleitung (10) gesperrt ist. The present invention relates to a water delivery system with a hot water and a cold water supply line (2, 3) to a common mixed water pipe (4), which leads to a water dispenser (5) for delivering the mixed water. In order to provide a water discharge system in which the loss is minimized by unused water, erfindungsgemaess is proposed that at least a first electrically operated valve (6A, 6B) is provided, through which a flow quantity (Mzu) of the hot water and / or of the cold water in the mixed water pipe (4) is adjustable in the mixed water pipe (4) determining means (7) for determining an actual temperature (T ist) of the mixed water is arranged, a container (8) is provided as a reservoir for collecting mixed water, whereby the mixed water pipe (4) has a first branch line (9) as a feed line to the water dispenser (5) and a second branch line (10) as a supply line to the container (8) and at least a second electrically operated valve (11) is provided, through which the inflow is provided of the mixed water in the first and / or second branch line (9, 10) can be opened and closed, and control means (12) connecting the electrically operated valves (6A, 6B, 11) controls the operation of the system so that The ratio (VZU) the inflow amounts of hot water and cold water in the mixed water pipe (4) to a predetermined temperature as a target temperature (Tset) corresponds to the mixing water and that in a first operating state (B1) of the system, if by the determination means (7) certain actual temperature (Tist) a predetermined temperature below the switching temperature (Tschalt), the mixed water supply locked to the first branch line (9) and to the second branch line (10) is opened and in a second operating state (B2) of the system when the determined actual temperature (Tis) reaches the switching temperature (Tschalt), opened the mixed water supply to the first branch line (9) and the second branch line (10) is locked.

0) US2008099414A – ADJUSTABLE HEIGHT INLET/OUTLET LIQUID LEVEL MAN...

31) Family number: 34972472 (US2008099414A) © PatBase

Title: ADJUSTABLE HEIGHT INLET/OUTLET LIQUID LEVEL MANAGEMENT TOOLS AND SYSTEMS

Priority: US20050651239P 20050209 US20050688462P 20050608 US20060884100 20060208 US20050707698P 20050812 US20050713627P 20050902 WO2006US04479 20060208

Family:

Publication number	Publication date	Application number	Application date
CA2601817 AA	20070802	CA20062601817	20060208
US2008099414 AA	20080501	US20060884100	20060208
US7703613 BB	20100427	US20060884100	20060208
WO07089246 A2	20070809	WO2006US04479	20060208
WO07089246 A3	20080313	WO2006US04479	20060208

Probable Assignee: LIQUID MANAGEMENT SYSTEMS INC

Assignee(s):(std)**:** GIRAFFE LIQUID MAN SYSTEMS INC ; HASLEM KEITH R

Assignee(s): LIQUID MANAGEMENT SYSTEMS INC ; GIRAFFE LIQUID MANAGEMENT SYSTEMS INC

Inventor(s):(std)**:** HASLEM KEITH R

Inventor(s): HASLEM KEITH

Agent(s): THOMPSON DOUGLAS B; EDWIN L HARTZ

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B01D12/00 B01D17/02 B01D17/032 B01D21/30 B01D35/14 B67D5/06 B67D7/06 F16H55/00 (Advanced/Invention); B01D12/00 B01D17/02 B01D17/025 B01D21/30 B01D35/14 B67D7/06 F16H55/00 (Core/Invention)

CPC: Y10T74/19851 B01D17/0214 B67D7/061 Y10T137/86236 Y10T137/86348 Y10T137/86372

European class: B01D17/02F4 B67D7/06B

US class: 137/577 137/590 137/592 210/137 210/232 210/243 210/513 210/519 210/800 210/93 74/431

Classification Explorer

Cited documents: US5824228 A, US5640994 A, US5490920 A, US5372711 A, US4867872 A, US2003159986 AA, US1660835 A, DE4007599 A1, DE20008422 U1, DE19959820 A1, DE19825045 A1, DE19742594 A1, BE506659 A,

Forward Citations: WO16049665, WO15183100, WO15157234, US9709447, US9500808, US9435179, US9046088, US8663574, US8402822, US2016091357, US2015357168, US2013298392, US2012312339, US2012301332, US2011097469, US2011005312, US2010072123, US2009320569, US2009163130, RU171575, ITTO20100474, FR2974733, CN104909323,

Abstract:
Source: US2008099414A Apparatus for managing layers of different density includes an enclosed tank for holding the liquids so that they stratify into separate layers of different levels in the tank. A conduit for liquid in the tank is open at an inner end to the tank interior, and is open at an outer end to the tank exterior. A drive moves the inner end of the conduit to different levels within tank so liquid can be transferred into or out of different levels in the tank.

0) US5005615A – SAFETY TANK APPARATUS FOR LIQUID STORAGE

32) Family number: 10657660 (US5005615A) © PatBase

Title: SAFETY TANK APPARATUS FOR LIQUID STORAGE

Priority: US19900462634 19900108 US19900562820 19900806 US19910681003 19910405 US19920862070 19920402 US19920862211 19920402 US19940193416 19940207 US19950423706 19950418

Family:

Publication number	Publication date	Application number	Application date
US5005615 A	19910409	US19900562820	19900806
US5016689 A	19910521	US19900462634	19900108
US5137064 A	19920811	US19910681003	19910405
US5265656 A	19931130	US19920862070	19920402
US5284191 A	19940208	US19920862211	19920402
US5406993 A	19950418	US19940193416	19940207
US5718269 A	19980217	US19950423706	19950418

Probable Assignee: PATRIARCH PARTNERS AGENCY SERVICE LLC

Assignee(s):(std)**:** HOOVER CONTAINMENT INC ; LRS INC

Assignee(s): CONTAINMENT SOLUTIONS INC SUCCESSOR BY MERGER TO H ; CONTAINMENT SOLUTIONS INC (SUCCESSOR BY MERGER TO HOOVER CONTAINMENT INC) ; CONTAINMENT SOLUTIONS INC SUCCESSOR BY MERGER TO HOOVER CONTAINMENT INC ; STATE STREET BANK AND TRUST CO ; PATRIARCH PARTNERS AGENCY SERVICE LLC ; PATRIARCH PARTNERS AGENCY SERVICES LLC ; WACHOVIA BANK NATIONAL ASSOCIATION ; NATIONSBANK OF TEXAS NA AGENT AS ; WELLS FARGO CAPITAL FINANCE LLC ; HOOVER CONTAINMENT SYSTEMS INC ; FLEET CAPITAL CORP ; NATIONSBANK OF TEXAS NA ; DENALI INC ; LRS INC A OF CA CORP ; LRS INC A CA CORP ; CANADIAN IMP ; CANADIAN IMP BANK OF COMMERCE ADMINISTRATIVE AGENT ; CANADIAN IMP BANK OF COMMERCE ADMINISTRATIVE AGENT AS ; CIT GROUP BUSINESS CREDIT INC ; CONTAINMENT SOLUTIONS INC ; CONTAINMENT SOLUTIONS INC (SUCCESSOR BY MERGER TO

Inventor(s):(std)**:** MCGARVEY DAVID C ; WHITMAN DAVID C

International class (IPC 8–9)**:** B67D7/04 B67D7/32 B67D7/78 (Advanced/Invention); B67D7/00 B67D7/32 B67D7/78 (Core/Invention)

International class (IPC 1–7)**:** B65B1/04 B65B88/06 B67C3/00

CPC: Y10T137/5762 Y10T137/7423 Y10T137/5907 B67D7/04 B67D7/32 B67D7/78

European class: B67D7/04 B67D7/32 B67D7/78

US class: 137/312 137/314 137/429 141/198 141/206 141/217 141/227 141/86 141/88 141/95 141/98 220/23.87 220/444 220/469 220/560.01 220/560.03 220/560.04 220/85.5 417/41 417/9

Classification Explorer

Cited documents: WO9001654 A1, USRE27833 E, US810237 A, US5284191 A, US5137064 A, US5088530 A, US5016689 A, US5012949 A, US5005615 A, US4989750 A, US4948010 A, US4934553 A, US4911326 A, US4911320 A, US4890983 A, US4844287 A, US4826644 A, US4815621 A, US4697618 A, US4685327 A, US4651893 A, US4478345 A, US4376489 A, US4376439 A, US4281692 A, US4161957 A, US4005615 A, US3969563 A, US3967256 A, US3952907 A, US3941272 A, US3906995 A, US3827455 A, US3732902 A, US3702592 A, US3666132 A, US3605782 A, US3595424 A, US2931211 A, US2869751 A, US2864527 A, US2860807 A, US2858136 A, US2835270 A, US2772834 A, US2623362 A, US2558694 A, US2460054 A, US2102912 A, US1724582 A, US1625765 A, US1273195 A, US1170377 A, US1114019 A, GB2209183 A1,

Forward Citations: WO9207763, WO17063054, WO12143740, US9593676, US9586348, US9458005, US9399571, US9382770, US9352761, US9333685, US9068696, US9027794, US8967250, US8820404, US8662117, US7900372, US7882897, US7748965, US7624885, US7146817, US6938654, US6651703, US6637469, US6526699,

US6422413, US6396019, US6286707, US6216790, US6196761, US6182710, US6039123, US5979513, US5950872, US5915499, US5883300, US5833391, US5810040, US5718269, US5601204, US5570714, US5562162, US5533648, US5515889, US5515881, US5421478, US5406993, US5400924, US5360033, US5327948, US5323820, US5285920, US5284191, US5265656, US5242032, US5184939, US5137064, US5101936, US5082034, US5071166, US2015122835, US2015027564, US2014130897, US2014110436, US2013280364, US2013160860, US2013092367, US2012325460, US2012180905, US2010224449, US2010154907, US2009242571, US2008135264, US2007086903, US2006225436, US2006163246, US2006162811, US2005239143, US2005167434, US2005127096, TWI584843, ITBZ20100038, ES2253010, EP2848855, EP0574610, DE19544821, AU687071, AU2013249020,

Abstract:
Source: US5005615A A safety tank apparatus is provided for installation to receive and store a liquid hydrocarbon or hydrocarbons, or the like, and from which the liquid may be withdrawn. It comprises tank structure including an inner metallic tank; an outer metallic tank protectively receiving the inner tank with upper interior space above the inner tank; a cover extending over the inner and outer tanks above that space; an opening in the outer tank sidewall adjacent that upper interior space; and a closure closing the opening, the closure movable to expose the upper interior to access from the exterior; and tank liquid flow control structure located below the top wall, and accessible through the side wall opening, for controlling filling of the liquid into the inner tank from the exterior of the safety apparatus, and for controlling liquid removal from the inner tank.

0) US2005201196A – BLENDER FOR INGREDIENTS INTO SOFT–SERVE FREEZER...

33) Family number: 32246214 (US2005201196A) © PatBase

Title: BLENDER FOR INGREDIENTS INTO SOFT–SERVE FREEZER PRODUCTS

Priority: US20040796742 20040309 US20050181604 20050714 US20050181604 20050714 WO2005US07295 20050307 US20060609533 20061212 US20060354752 20060215 US20060354752 20060215

Family:

Publication number	Publication date	Application number	Application date
AT489162 E	20101215	AT20050724774T	20050307
BRPI0508599 A	20070821	BR2005PI08599	20050307
CA2557674 AA	20060828	CA20052557674	20050307
CA2557674 C	20120221	CA20052557674	20050307
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US2007082098 AA	20070412	US20060609533	20061212
US2007110872 AA	20070517	US20060354752	20060215
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WO05086749 A3	20060316	WO2005US07295	20050307
WO07095441 A2	20070823	WO2007US61772	20070207
WO07095441 A3	20081211	WO2007US61772	20070207

Probable Assignee: FLAVOR BURST CO LLP

Assignee(s):(std)**:** FLAVOR BURST CO ; FLAVOR BURST CO L L P ; GERBER ERNEST C

Assignee(s): FLAVOR BURST CO LLP

Inventor(s):(std)**:** GERBER ERNEST C ; GERBER ERNEST

Inventor(s): ERNEST C GERBER

Agent(s): SMART AND BIGGAR; BEYER ANDREAS; MASUI CHUJI; ONO SHINJIRO; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO; WOODARD EMHARDT MORIARTY MCNETT AND HENRY LLP, BANK ONE CENTER/TOWER; WOODARD EMHARDT MORIARTY MCNETT AND HENRY LLP BANK ONE CENTER TOWER; WOODARD EMHARDT MORIARTY MCNETT AND HENRY LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A01J25/00 A23G9/00 A23G9/28 B01F13/10 B01F15/02 B01F3/12 B01F7/00 B01F7/24 B28C7/04 B67D99/00 (Advanced/Invention); A01J25/00 A23G9/04 B01F13/00 B01F3/12 B01F7/00 B01F7/24 B28C7/00 B67D99/00 (Core/Invention)

International class (IPC 1–7): B01F15/02 B01F7/00 B28C7/00 B28C7/04

CPC: A23G9/228 A23G9/281 A23G9/282 A23G9/283 B01F3/1221 B01F7/00216 B01F7/00408 B01F7/007 B01F7/248 B01F13/1058 B01F15/0201 B01F15/0234 A23G9/20 A23G9/22 A23G9/28 A23G9/12 A23G9/224

European class: A23G9/12 A23G9/20 A23G9/22 A23G9/22H A23G9/22N A23G9/28 A23G9/28D A23G9/28D2 A23G9/28D4 B01F13/10G3 B01F15/02B B01F15/02B40F B01F3/12C B01F7/00B14B B01F7/00B16D2 B01F7/00C4B B01F7/24D

US class: 366/156.1 366/177.1 366/181.1 366/181.3 366/181.4 366/196 366/20 366/20P 426/519 426/519P 426/565 426/565P 62/337 62/342 99/455 99/466

Classification Explorer

Cited documents: USD256124 S1, US7621669 BA, US7178976 BB, US6863429 BB, US6725889 BB, US6689410 BB, US6514555 BA, US6402363 BA, US6319532 BA, US6145701 A, US5823392 A, US5743639 A, US5690283 A, US5685435 A, US5603458 A, US5378483 A, US5280859 A, US5271572 A, US5256426 A, US5240324 A, US4923093 A, US4881663 A, US4878760 A, US4861255 A, US4793520 A, US4732013 A, US4668561 A, US4668255 A, US4643905 A, US4643335 A, US4627555 A, US4625525 A, US4580905 A, US4574593 A, US4544085 A, US4448114 A, US4447458 A, US4397881 A, US4397880 A, US4393659 A, US4390760 A, US4364666 A, US4275567 A, US4203461 A, US4201558 A, US4189289 A, US4188768 A, US4100304 A, US4010284 A, US3948491 A, US3920223 A, US3918862 A, US3901409 A, US3858498 A, US3803870 A, US3664640 A, US3615147 A, US3477393 A, US3347287 A, US3291076 A, US3181838 A, US3167031 A, US3132847 A, US3014437 A, US3001770 A, US2995107 A, US2592709 A, US2576842 A, US2247287 A, US2239165 A, US2190226 A, US2032970 A, US2007110872 AA, US2006013941 AA, US2005263536 AA, US2005201196 AA, US2005175767 AA, US2003145734 AA, US2003085237 AA, US2003000240 AA, US1449623 A, JP63003760 A2, JP5211844 A2, JP49124271 A2, JP2203752 A2, GB1465312 A, DE3521612 A1,

Forward Citations: WO17118522, WO16141318, WO15033057, WO11162796, WO07095441, US9549564, US9415992, US9131709, US8974109, US8960500, US8851329, US8814000, US8807393, US8757222, US8739840, US8685477, US8453879, US8434642, US8297182, US8251258, US8224481, US8162181, US8162176, US7913879, US7757896, US7665398, US7621669, US2016255859, US2015216363, US2015166089, US2012026824, US2011163126, US2010237099, US2010185322, US2009217825, US2009186141, US2008267005, US2007205221, US2007205220, US2007110872, US2007082098, JP2013528388, FR2904192, EP1884167, CN105289360, CN105289360, CN104097263, CN103882156, CN103657471, CN102843939,

Abstract:
Source: US2005201196A An assembly is mounted to a soft serve confection freezer. It includes a set of modules in a circular array and separately replaceable in a magazine. Each module supports a container storing a dry food ingredient in particulate form, and has a motor driven product impeller for controlled discharge of particulates from the container to a blender assembly. The blender assembly has a housing and screw–type auger of cooperating configurations and which cooperate with a central passageway for frozen confection flowing from the freezer, to blend solids into the confection and discharge into a customer's container for immediate consumption. Control panel selection of ingredients by the operator according to the customer's order, is provided. Components are arranged to facilitate cleaning.

0) US2006249442A – WATER FILTRATION SYSTEM WITH IMPROVED PERFORMAN...

34) Family number: 33477884 (US2006249442A) © PatBase

Title: WATER FILTRATION SYSTEM WITH IMPROVED PERFORMANCE

Priority: US20050667728P 20050401 US20060394966 20060331 WO2006US12341 20060331

Family:

Publication number	Publication date	Application number	Application date
AU2006232547 AA	20061012	AU20060232547	20060331
US2006249442 AA	20061109	US20060394966	20060331
WO06107890 A1	20061012	WO2006US12341	20060331

Probable Assignee: APPLICA CONSUMER PRODUCTS INC

Assignee(s):(std)**:** APPLICA CONSUMER PRODUCTS INC ; YAPP WALTER ; LINCOLN PAUL ; YAP WALTER N ; BERNARD KEITH ; BERNARD KEITH C

Assignee(s): HP INTELLECTUAL CORP ; SALTON INC ; SONEX INT ; SONEX INT CORP ; APPLICA INC ; BANK OF AMERICA NA ; BANK OF AMERICA NA AGENT AS

Inventor(s):(std)**:** LINCOLN PAUL ; BERNARD KEITH ; BERNARD KEITH C ; YAP WALTER N ; YAPP WALTER

Inventor(s): KEITH BERNARD ; PAUL LINCOLN ; WALTER YAPP ; YAP WALTER

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; BAKER BOTTS LLP PATENT DEPARTMENT

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47G19/14 B01D35/00 B67D5/58 B67D7/76 (Advanced/Invention)

CPC: C02F1/003 C02F1/283 C02F1/68 C02F2209/40 C02F2307/04 C02F2307/06

European class: C02F1/00D4 M02F1/28D M02F1/68 M02F209/40 M02F307/04 M02F307/06

US class: 210/470 210/474 210/474S 222/189.06 222/189.060S

Classification Explorer

Cited documents: USD546113 S1, USD440110 S1, USD421361 S1, USD415922 S1, USD406003 S1, USD386041 S1, US7107838 BB, US6953523 BB, US6881327 BB, US6860988 BB, US6649045 BB, US6569329 BA, US6565743 BA, US6517707 BB, US6428708 BA, US6423224 BA, US6306290 BA, US6287456 BA, US6284129 BA, US6241103 BA, US6224751 BA, US6149801 A, US6123837 A, US6106706 A, US6103114 A, US6074550 A, US5997734 A, US5993648 A, US5976362 A, US5957339 A, US5935426 A, US5928506 A, US5928504 A, US5900138 A, US5882507 A, US5873995 A, US5766487 A, US5560939 A, US5560393 A, US5536394 A, US5527451 A, US5525214 A, US5454944 A, US5273649 A, US5190643 A, US5151179 A, US5130020 A, US5078874 A, US5078864 A, US4918426 A, US4902411 A, US4698164 A, US2006191824 AA, US2004168957 AA, US2004129617 AA, US2003034283 AA,

Forward Citations: WO09023837, USD677753, USD677752, USD677360, USD677359, USD655375, USD655374, USD655373, USD653726, USD650467, USD640770, USD640769, USD640346, USD639102, USD638246, USD636627, USD630894, US9656191, US9090483, US9067805, US8448679, US8216465, US8177966, US8128820, US8043502, US7438799, US2015239749, US2011278206, US2011084006, US2010108581,

Abstract:
Source: US2006249442A A portable water container includes a body defining a reservoir, a replaceable filter housed in a storage compartment of the body, and a connection assembly. The assembly connects a water supply source to the filter. Pressurized water from the water supply source flows under pressure through the filter and into the water reservoir through an outlet port in the storage compartment. The body is configured to store the connection assembly when not connecting the water faucet to the filter.

0) US2013092090A – PET WATERING SYSTEM FOR CAGE, CRATE, OR KENNEL ...

35) Family number: 53491971 (US2013092090A) © PatBase

Title: PET WATERING SYSTEM FOR CAGE, CRATE, OR KENNEL

Priority: US20110533618P 20110912 US20120612560 20120912

Family:

Publication number	Publication date	Application number	Application date
US2013092090 AA	20130418	US20120612560	20120912

Probable Assignee: SDM INT INC

Assignee(s):(std)**:** MCCALLUM SCOTT D

Assignee(s): SDM INT INC

Inventor(s):(std)**:** MCCALLUM SCOTT D

International class (IPC 8–9)**:** A01K7/06 (Advanced/Invention)

CPC: A01K7/06 A01K1/0356

US class: 119/74 119/78

Classification Explorer

Cited documents: US8261696 BA, US7762211 BA, US7757636 BB, US6928954 BB, US6622657 BB, US5799609 A, US2013019809 AA, US2012216751 AA, US2008257272 AA, US2007095297 AA,

Forward Citations: USD769548, USD704391, USD704390,

Abstract:
Source: US2013092090A This application discloses example embodiments of methods, apparatus, and systems related to animal watering systems having a mechanism for circulating and/or filtering water. For example, one exemplary embodiment disclosed herein comprises a main body portion comprising a water storage chamber and a water filtering and circulating chamber, the water storage chamber being fluidly coupled with the water filtering and circulating chamber via a valve between the water storage chamber and the water filtering and circulating chamber; a water tray selectively attachable to the main body portion, the main body portion and the water tray being fluidly coupled to one another when the water tray is attached to the main body portion; a water filtration system in the water filtering and circulating chamber; and a water circulating system that is configured to automatically deactivate when the water in the watering system is insufficient to circulate using the water circulating system.

36) Family number: 30501076 (US2007157821A) © PatBase

Title: INSERT, A MACHINE AND A SYSTEM FOR THE PREPARATION OF BEVERAGES

Priority: GB20040003496 20040217 WO2005GB00469 20050211

Family:

Publication number	Publication date	Application number	Application date
AR049470 AA	20060809	AR2005P100536	20050216
AT483384 E	20101015	AT20050708294T	20050211
AU2005215202 AA	20050901	AU20050215202	20050211
BRPI0507785 A	20070717	BR2005PI07785	20050211
CA2555329 AA	20060802	CA20052555329	20050211
CA2555329 C	20131029	CA20052555329	20050211
CL2005000305 A1	20060303	CL20050000305	20050216
CN100482139 C	20090429	CN200580011529	20050211
CN1942125 A	20070404	CN200580011529	20050211
DE602005023959 D1	20101118	DE200560023959T	20050211
DK1715778 T3	20110124	DK20050708294T	20050211
EP1715778 A1	20061102	EP20050708294	20050211
EP1715778 B1	20101006	EP20050708294	20050211
ES2351796 T3	20110210	ES20050708294T	20050211
GB200403496 A0	20040324	GB20040003496	20040217
GB2411105 A1	20050824	GB20040003496	20040217
GB2411105 B2	20060830	GB20040003496	20040217
HK1095032 A1	20110415	HK20070102526	20070307
HK1095032 A3	20070420	HK20070102526	20070307
HK1105089 A1	20091218	HK20070110409	20070925
HK1105089 A3	20080201	HK20070110409	20070925
JP2007522856 T2	20070816	JP20060553642T	20050211
JP4701188 B2	20110615	JP20060553642T	20050211
KR101224733 B1	20130121	KR20067018971	20050211
KR20060129474 A	20061215	KR20067018971	20050211
PE10082005 A1	20051126	PE20050000187	20050217
PT1715778 T	20101130	PT20050708294T	20050211
RU2006133310 A	20080410	RU20060133310	20050211
RU2355279 C2	20090520	RU20060133310	20050211
TW200608925 A	20060316	TW20050104431	20050216
TWI340027 B	20110411	TW20050104431	20050216
US2007157821 AA	20070712	US20050589041	20050211
US7673558 BB	20100309	US20050589041	20050211
WO05079638 A1	20050901	WO2005GB00469	20050211

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std)**:** CARTER STEVE ; PANESAR SATWINDER SINGH ; KRAFT FUDZ R UND D INK ; KRAFT FOODS RANDD INC ; KRAFT FOODS R AND D INC

Assignee(s): KRAFT FOODS RAND D INC ; KRAFT FUDZ R U D INK ; D INC ; DOUWE EGBERTS BV KONINKLL ; KRAFT FOODS R AMP AMP

Inventor(s):(std)**:** KARTER STIV ; PANESAR SATVINDER SINGKH ; PANESAR SATWINDER ; PANESAR SATWINDER S ; PANESAR SATWINDER SINGH ; CARTER STEPHEN ; CARTER STEVE ; SINGH PANESAR SATWINDER ; STEVE PANESAR SATWINDER SINGH ; STEVE CARTER ; SATWINDER SINGH PANESAR

Inventor(s): CARTER STEVE KRAFT FOODS UK LTD ; PANESAR SATWINDER SINGH CARTER STEVE ; PANESAR SATWINDER SINGH KRAFT FOODS UK LTD

Agent(s): GRIFFITH HACK; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; VILLASECA; THOMSON NEIL DAVID; FITCH EVEN TABIN AND FLANNERY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A23L1/00 A47J31/00 A47J31/06 A47J31/24 A47J31/34 A47J31/36 A47J31/40 A47J31/44 B65D85/80 B65D85/804 (Advanced/Invention);
A47J31/06 A47J31/40 (Advanced/Non–invention);
A47J31/00 A47J31/06 A47J31/24 A47J31/40 A47J31/44 B65D85/80 (Core/Invention);
A47J (Subclass/Invention)

International class (IPC 1–7): A47J31/00 A47J31/06 A47J31/10 A47J31/24 A47J31/36 A47J31/40 A47J31/44 B65D85/10 B65D85/804

CPC: A47J31/4492 A47J31/0673 A47J31/3695 A47J31/06 A47J31/40

European class: A47J31/06P4B A47J31/24 A47J31/36 A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44H B65D85/804B

US class: 99/275 99/279 99/279P 99/295

Classification Explorer

Cited documents: WO9827854 A1, WO9717006 A1, WO9516377 A1, WO9507648 A1, WO8807472 A1, WO03065859 A3, WO03065859 A2, WO03059778 A3, WO03059778 A2, WO03039309 A1, WO03026470 A2, WO0228241 A1, WO0219875 A1, WO02092439 A2, WO02085170 A3, WO02085170 A2, WO02084700 A1, WO02082962 A1, WO02078498 A1, WO02074661 A1, WO02074143 A2, WO0182760 A1, WO0160220 A1, WO0160219 A1, WO0158786 A1, WO0130218 A1, WO0115582 A1, WO0042891 A1, WO0028868 A1, USD489930 S1, USD479939 S1, USD475567 S1, USD461358 S1, USD460653 S1, USD459628 S1, USD452107 S1, USD443792 S1, USD423863 S1, USD419821 S1, USD255529 S1, US6935222 BB, US6857353 BB, US6786136 BB, US6758130 BB, US6698333 BB, US6698332 BB, US6655260 BB, US6645537 BB, US6644173 BB, US6612224 BB, US6607762 BB, US6606938 BB, US6499388 BB, US6405637 BA, US6358545 BA, US6347725 BA, US6289948 BA, US6279459 BA, US6245371 BA, US6240833 BA, US6240832 BA, US6186051 BA, US6182554 BA, US6178874 B1, US6173117 B1, US6170386 B1, US6142063 A, US6117471 A, US6109168 A, US6095031 A, US6082245 A, US6068871 A, US6062127 A, US6025000 A, US6021705 A, US6009792 A, US6006653 A, US6000317 A, US5992298 A, US5974950 A, US5967021 A, US5948455 A, US5921168 A, US5899137 A, US5897899 A, US5895672 A, US5862738 A, US5858437 A, US5840189 A, US5826492 A, US5794519 A, US5776527 A, US5762987 A, US5762987 A, US5738001 A, US5704275 A, US5649472 A, US5649412 A, US5639023 A, US5638741 A, US5638740 A, US5637335 A, US5603254 A, US5549035 A, US5531604 A, US5531152 A, US5479849 A, US5472719 A, US5463932 A, US5455887 A, US5440972 A, US5408917 A, US5398596 A, US5398595 A, US5375508 A, US5349897 A, US5347916 A, US5343799 A, US5327815 A, US5325765 A, US5303639 A, US5287797 A, US5285717 A, US5272960 A, US5265520 A, US5259295 A, US5242702 A, US5197374 A, US5186096 A, US5183998 A, US5178058 A, US5134924 A, US5111740 A, US5082676 A, US5072660 A, US5063836 A, US5014611 A, US4990352 A, US4921712 A, US4920870 A, US4917005 A, US4886674 A, US4876953 A, US4875408 A, US4873915 A, US4853234 A, US4846052 A, US4838152 A, US4818544 A, US4806375 A, US4787299 A, US4775048 A, US4744291 A, US4738378 A, US4724752 A, US4653390 A, US4551611 A, US4484515 A, US4471689 A, US4452130 A, US4389191 A, US4382402 A, US3823656 A, US3790029 A, US3403617 A, US3336857 A, US3083101 A, US2899106 A, US2778739 A, US2715868 A, US2243895 A, US2007175334 AA, US2003222089 AA, US2003145736 AA, US2003056655 AA, US2003039731 AA, US2003005826 AA, US2002148772, US2002148456 AA, US2002148358 AA, US2002148357 AA, US2002148356 AA, US2002144604 AA, US2002144603 AA, US2002129712 AA, US2002124736 AA, US2002121198 AA, US2002121197 AA, US2002088807 AA, US2002078831 AA, US2002048621 AA, US2002023543 AA, US2002015768 AA, US2002002913 AA, US2001048957 AA, US1576735 A, JP63200717 A2, JP2004525829 T2, JP2004525829, JP2003534033 T2, JP2000093309, GB828529 A, GB468248 A, GB2379624 A1, GB2374856 A1, GB2374816 A1, GB2374795 A1, GB2306432 A1, GB1215840 A, FR2322796 A1, FR1537031, EP1316283 A2, EP1255685 B1, EP1208782 A1, EP1153561 A1, EP1101430 A1, EP1095605 A1, EP1090574 A1, EP1042978 A1, EP0904718 A1, EP0870457 A1, EP0862882 B1, EP0862882 A1, EP0756844 B1,

EP0730425 B1, EP0638486 A1, EP0604615 B1, EP0524464 A1, EP0521510 A1, EP0469162 A1, EP0451980 A2, EP0449533 A1, EP0445337 A1, EP0334572 A1, EP0334571 A1, EP0272922 A2, EP0151252 A1, EP0057671 A2, DE20121494 U1,

Forward Citations: WO17093178, WO16209981, WO15131128, WO14095985, WO14045114, WO14045114, WO13110203, WO12104301, WO12062842, WO11089049, WO11089048, WO09007292, US9708109, US9669992, US9514595, US9499333, US9443373, US9417766, US9402406, US9386877, US9320385, US9272827, US9265375, US9260284, US9138096, US9119505, US9114902, US9084509, US8978544, US8973855, US8939390, US8936819, US8925845, US8794127, US8740020, US8590753, US8528466, US8516948, US8468934, US8371211, US2016244249, US2016242456, US2016242455, US2015257586, US2015257584, US2015027316, US2014270728, US2014170278, US2014157956, US2014109772, US2013025465, US2013014648, US2012295234, US2012240778, US2012097040, US2012031278, US2011088560, US2010300299, US2010282088, US2010263546, US2010154645, US2010147873, US2010055252, US2009219140, US2008307975, US2008134902, TWI418325, RU2594968, RU2577734, RU2571048, KR200473126, KR101328911, JP2014503327, JP2013530798, JP2013512701, JP2013512700, JP2011506013, JP2009542387, JP2009529120, JP2009196684, JP2009183700, ITRE20120060, ITPN20100045, GB2449213, GB2449213, EP3190067, EP3175745, EP3047766, EP2992792, EP2875760, EP2481330, EP2345352, EP2345351, EP2266446, EP2148598, EP1974638, DE102015201220, DE102013224099, DE102013223658, DE102007005484, CN104114067, CN104114067, CN103827386, CN103619223, CN103619223, CN103237482, CN103237482, CN103221320, CN103221320, AU2012213479, AU2011328110, AU2010326858,

Abstract:
Source: US2007157821A An insert for use in a beverage preparation machine of a type comprising a brew head comprising an upwardly directed inlet for supplying water to the brew head and a downwardly directed outlet for outflow of beverage produced by the machine. The insert comprises, or is adapted to contain in use, a quantity of beverage ingredients in a brewing volume. A lower surface of the insert comprises an inlet and an outlet arranged to communicate respectively with the inlet and outlet of the brew head of the beverage preparation machine when the insert is inserted into the machine such that, in use, water from the inlet of the brew head passes upwardly through the inlet of the insert into the brewing volume and such that beverage produced from the water and the quantity of beverage ingredients passes downwardly through the outlet of the insert to flow out of the outlet of the brew head. The lower surface of the insert further comprises a RFID or barcode which, in use, is readable by a RFID or barcode reader of the beverage preparation machine for controlling operation of the beverage preparation machine, wherein the barcode or RFID is located on the lower surface of the insert such that a line joining the outlet of the insert to a centre of the barcode or RFID and a line joining the outlet of the insert to the inlet of the insert separated by a minimum angular separation of greater than 70 degrees.

37) Family number: 54260377 (US2013269735A) © PatBase

Title: SYSTEM AND METHOD FOR TREATING A CONTAMINATED SUBSTRATE

Priority: US20110631223P 20111229 US20120694732 20121228

Family:

Publication number	Publication date	Application number	Application date
US2013269735 AA	20131017	US20120694732	20121228
WO13101254 A1	20130704	WO2012US00589	20121228

Probable Assignee: GREEN OILFIELD ENVIRONMENTAL SERVICES INC

Assignee(s):(std)**:** GREEN OILFIELD ENVIRONMENTAL SERVICES INC

Inventor(s):(std)**:** BELL GREGORY LYNN ; BREUER RODNEY K ; KITE DONALD WAYNE ; PITTS DAVID M ; ROETZEL GARY WADE

Agent(s): AYCOCK KYLA DAWN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B01D3/00 B08B3/10 E21B21/06 (Advanced/Invention)

CPC: E21B21/062 E21B21/066 B08B3/102

US class: 134/184 134/40

Classification Explorer

Cited documents: US7642394 BA, US4244811 A, US2008277165 AA, US2008121564 AA, US2008039345 AA, US2007244022 AA, US2005145418 AA, US2004124014 AA, US2004065353 AA, US2002013447 AA,

Forward Citations: WO15024012, US9702372, US9662597, US9534370, US9280150, US9119340, US8840782, US8726538, US8677647, US2017144831, US2016290105, US2015240474, US2014150288, US2014138407, US2012271446,

Abstract:
Source: US2013269735A A method and apparatus is disclosed for treating and processing an oil, water or oil and water–contaminated substrate such as oil field waste. The substrate may be pretreated with water and/or surfactant and may be mixed under low shear conditions with a base such as a compound containing alkaline earth or lime and an optional catalyst. Mixing the substrate with the base creates a heat. Next, the substrate may be mixed with an acid such as sulfuric acid. As the substrate is mixed, it causes an exothermic reaction with a heat that vaporizes the oil, reaction products and water. Recoverable constituents in the vapor can be condensed in a vapor collection system. The treated substrate may be essentially free of oil and has a controlled water content and pH that can be adjusted according to the use of the end dry product.

0) US4089470A – PLURAL FLUIDS DELIVERY SYSTEM

38) Family number: 1522796 (US4089470A) © PatBase

Title: PLURAL FLUIDS DELIVERY SYSTEM

Priority: US19760740200 19761109

Family:

Publication number	Publication date	Application number	Application date
CA1066743 A1	19791120	CA19770288857	19771017
FR2369879 A1	19780602	FR19770033815	19771109
FR2369879 B1	19820702	FR19770033815	19771109
GB1589413 A	19810513	GB19770046683	19771109
US4089470 A	19780516	US19760740200	19761109

Probable Assignee: STRAHMAN VALVES INC

Assignee(s):(std)**:** STRAHMAN VALVES INC ; STRAHMON VALVES INC

Assignee(s): STRAHMAN RICHARD D ; STRAHMAN VALVES

Inventor(s):(std)**:** STRAHMAN RICHARD D

International class (IPC 8–9)**:** B05B1/00 B05B7/00 B05B7/04 B05B7/12 B05B7/24 B05B7/32 B08B3/02 (Advanced/Invention); B05B7/02 B05B7/04 B05B7/24 B08B3/02 (Core/Invention)

International class (IPC 1–7)**:** B01F3/08 B01F5/00 B05B1/00 B05B7/00 B05B7/04 B05B7/12

CPC: Y10T137/85954 Y10T137/8766 B05B7/12 B05B7/0408 B05B7/24 B08B3/026 B08B2203/0217 B08B2203/0282 B05B7/32

European class: B05B7/04A B05B7/12 B05B7/24 B05B7/32 B08B3/02H L08B203/02D L08B203/02S

US class: 137/563 137/897 15/321 239/304

Classification Explorer

Cited documents: US3801017 A, US3380658 A, US3318535 A, US3059858 A, US3037707 A, US2934314 A, US2931580 A, US2077257 A, FR2024613 A1, FR1584981 A,

Forward Citations: WO13023707, WO09046403, USD748354, US9662426, US9375520, US9089629, US8827969, US8449510, US8292857, US6129836, US5421900, US4854505, GB2465951, GB2465951, GB2216815, EP1445039, EP0466663, EP0466663, EP0230455, EP0062010, CN104174542,

Abstract:
Source: US4089470A Toward apparatus for providing selectively a stream of one or a combination of first and second fluids is disclosed to include independent storage means for the fluids, pressure generating means for the respective fluids, atmospheric break means to preclude backwash of fluids and mixing means for selectively mixing the fluids as desired for delivery to a site.

0) US2006277670A – URINARY TRANSFER SYSTEM AND ASSOCIATED METHOD O...

39) Family number: 32064394 (US2006277670A) © PatBase

Title: URINARY TRANSFER SYSTEM AND ASSOCIATED METHOD OF USE

Priority: US20030481785P 20031212 US20040526942 20041202 US20060526942 20060510 WO2004US40409 20041202

Family:

Publication number	Publication date	Application number	Application date
EP1708601 A2	20061011	EP20040812842	20041202
EP1708601 A4	20100825	EP20040812842	20041202
US2006277670 AA	20061214	US20040526942	20041202
US8015627 BB	20110913	US20040526942	20041202
WO05060558 A2	20050707	WO2004US40409	20041202
WO05060558 A3	20050825	WO2004US40409	20041202
WO05060558 B1	20051013	WO2004US40409	20041202

Probable Assignee: URINARY TRANSFER SYSTEMS GROUP LLC

Assignee(s):(std)**:** SPIELMAN WARREN L ; URINARY TRANSFER SYSTEMS GROUP ; URINARY TRANSFER SYSTEMS GROUP LLC ; UTS L L C ; UTS LLC

Inventor(s):(std)**:** BAKER LARRY R DI ; SPIELMAN WARREN L ; BAKER LARRY R ; BAKER JAMES D

Inventor(s): BAKER LEGAL REPRESENTATIVE JAMES D ; SPIELMAN WARREN ; BAKER JAMES ; BAKER LARRY

Agent(s): BLACKWELL SANDERS PEPER MARTIN LLP; HUSCH BLACKWELL LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47K11/00 A47K11/02 A47K4/00 A61G9/00 (Advanced/Invention); A47K11/00 A47K4/00 A61G9/00 (Core/Invention)

International class (IPC 1–7): A47K11/00 A47K4/00

CPC: A61G9/00 A61G9/006

European class: A61G9/00 A61G9/00U

US class: 222/464.7 4/144.1 4/144.100P 4/144.3 604/327 604/349

Classification Explorer

Cited documents: US7100601 BB, US6904621 BB, US6857137 BB, US6805690 BB, US6311339 BA, US6309275 BA, US6257446 BA, US6161228 A, US6129699 A, US6029286 A, US6026519 A, US6000658 A, US5988705 A, US5926858 A, US5701612 A, US5662630 A, US5551097 A, US5548852 A, US5415632 A, US4656675 A, US4631061 A, US4360933 A, US4270231 A, US3973479 A, US3727241 A, US3337992 A, US3114916 A, US2004128749 AA, US105979 A, GB2129688 A1,

Forward Citations: WO11073804, US9603737, US8046848, US2017164795, US2016095479, US2015028059, US2012174303, US2012066825, US2009260140, ITPD20090373,

Abstract:
Source: US2006277670A There is a urinary transfer system and associated process that includes a urinal capable of receiving urine from a patient, urine holding container, a first conduit connected between the urinal and the urine holding container, a pump, and a second conduit connected between the urine holding container and the pump. Preferably, there is a retainer that is associated with the urinal and a removable lid associated with the urine holding container. The urinary transfer system can be powered by any type of electrical power supply and/or battery. Optimally, there is a receiver electrically connected to the pump to be able to turn the pump on and off and can preferably control the operation of the pump based on input received from a transmitter. An external male catheter can also be utilized in conjunction with the urinary transfer system.

0) US7913647B – ANIMAL FOOD DISPENSER AND WATER DISPENSER

40) Family number: 48516290 (US7913647B) © PatBase

Title: ANIMAL FOOD DISPENSER AND WATER DISPENSER

Priority: US20060497599 20060802 US20110033885 20110224

Family:

Publication number	Publication date	Application number	Application date
US7913647 BA	20110329	US20060497599	20060802
US8132531 BA	20120313	US20110033885	20110224

Probable Assignee: MARTIN JA KENNY

Assignee(s):(std)**:** MARTIN JA KENNY

Inventor(s):(std)**:** MARTIN JA KENNY

Agent(s): DUFAULT LAW FIRM PC; DUSTIN R

International class (IPC 8–9)**:** A01K5/00 A01K7/02 (Advanced/Invention)

CPC: A01K5/0114 A01K7/04

European class: A01K5/01B A01K7/04

US class: 119/52.1 119/74

Classification Explorer

Cited documents: US913158 A, US740515 A, US7287487 BB, US7007634 BA, US6988464 BA, US6874445 BB, US5960742 A, US5636592 A, US5588394 A, US5433171 A, US5406909 A, US5105771 A, US4962730 A, US417437 A, US4138967 A, US4034715 A, US3985104 A, US3823692 A, US3315641 A, US2007119378 AA, US2003094139 AA,

Forward Citations: USD759905, USD751774, USD731124, USD729565, USD720895, USD716002, USD705501, USD704384, USD701355, USD693067, US9615540, US9414568, US9228326, US2016235035, US2013233248, US2012037079,

Abstract:
Source: US7913647B An animal food dispenser is disclosed. The animal food dispenser includes a base having a base interior and a dispensing slot communicating with the base interior. A food hopper having a hopper interior is provided on the base. A food opening is provided between the hopper interior and the base interior. A food tray pivotally mounted in the hopper adjacent to the food opening is pivotal between closed and opened positions. A water dispenser is also disclosed.

0) US6099735A – COUNTER TOP REVERSE OSMOSIS WATER PURIFICATION ...

41) Family number: 12434263 (US6099735A) © PatBase

Title: Counter top reverse osmosis water purification system

Priority: US19980090496 19980604

Family:

Publication number	Publication date	Application number	Application date
US6099735 A	20000808	US19980090496	19980604

Probable Assignee: KELADA MAHER I

Assignee(s): KELADA MAHER I

Inventor(s):(std)**:** KELADA MAHER I

International class (IPC 8–9): B01D61/08 B01D61/10 C02F1/44 C02F9/00 (Advanced/Invention); C02F1/28 C02F1/32 C02F1/50 (Advanced/Non–invention)

International class (IPC 1–7): B01D61/00 B01D63/00

CPC: B01D61/08 B01D61/10 C02F1/283 C02F1/32 C02F1/441 C02F1/505 C02F9/005

European class: B01D61/08 B01D61/10 C02F1/44B C02F9/00B M02F1/28D M02F1/32 M02F1/50B

US class: 210/134 210/137 210/195.1 210/257.2 210/258 210/652 210/660 210/85 210/97

Classification Explorer

Cited documents: US5928503 A, US5911884 A, US5879558 A, US5827428 A, US5658457 A, US5632892 A, US5597487 A, US5445729 A, US5358635 A, US5296148 A, US5290442 A, US5244579 A, US5221473 A, US5215657 A, US5160608 A, US5096574 A, US5078876 A, US5045197 A, US4877521 A, US3849305 A, US3716143 A,

Forward Citations: WO16033491, WO16028737, WO15121349, WO15057914, WO14014884, WO12118793, WO12118793, WO11143100, WO09138084, WO09010144, WO09010144, WO07011352, USRE45080, USD667076, USD501912, US9517958, US9371245, US9352979, US9327216, US9320993, US9314716, US9303380, US9067154, US8940163, US8893927, US8741148, US8728313, US8556127, US8480979, US8454826, US8413844, US8409386, US8377314, US8309030, US8308942, US8262910, US8186518, US8182699, US8177966, US8158084, US8119012, US8045849, US7947181, US7922008, US7900791, US7883619, US7862723, US7850859, US7820059, US7775374, US7763171, US7749394, US7740766, US7740765, US7736504, US7726511, US7670494, US7670479, US7615152, US7601256, US7597807, US7513278, US7497957, US7476312, US7424399, US7378015, US7368055, US7332075, US7316544, US7312151, US7249000, US7175808, US7104115, US7101480, US7100427, US7015568, US6872306, US6379560, US6370884, US6335191, US2013270159, US2011309011, US2011147284, US2011121036, US2011084006, US2010326917, US2010307966, US2010258268, US2010116742, US2010116741, US2010100242, US2010024893, US2009288999, US2009242485, US2009132089, US2009123347, US2009120851, US2009081089, US2008237109, US2008203026, US2008190827, US2008105620, US2008041775, US2008020096, US2007227598, US2007144952, US2007050157, US2007045327, US2007045187, US2007045165, US2007012628, US2006266381, US2006226060, US2006191824, US2006169629, US2006162806, US2006144766, US2006113499, US2006020427, US2006006107, US2005251367, US2005251366, US2005247609, US2005247114, US2005247113, US2005173320, US2005173319, US2005163629, US2005150235, US2005133427, US2005098491, US2005042886, US2004251192, US2004211713, US2004117665, US2004055948, US2003138346, GB2419589, FR2895917, ES2353175, EP2086890, EP1922292, EP1520497, EP1520497, EP1487560, EP1487560, EP1424312, EP1136447, CN105705214, AU2014337267, AU2014337267, AU2007307626,

Abstract:
Source: US6099735A A counter top reverse osmosis water purification system, suitable for home use, is connected to a water supply and contains a closed fluid treatment circuit extending to a water outlet. The closed fluid circuit flows through a plurality of replaceable water treatment modules mounted on a flowboard and each having a specific water treatment function, such as the removal of a particular material from the water by the use of reverse osmosis, filtration, carbon adsorption, ion exchange or the addition of a chemical to balance the desired water conditions. Preferably the circuit also includes traversing a radiation device, for example an ultraviolet light, for the purpose of sanitizing the water.

0) US2014326331A – EFFICIENT WATER UTILIZATION SYSTEM

42) Family number: 53120690 (US2014326331A) © PatBase

Title: EFFICIENT WATER UTILIZATION SYSTEM

Priority: IL20140231067 20140220 US20110525772P 20110821 WO2012IL50319 20120821 US20120239789 20120821

Family:

Publication number	Publication date	Application number	Application date
IL231067 A0	20140331	IL20120231067	20120821
US2014326331 AA	20141106	US20120239789	20120821
WO13027216 A1	20130228	WO2012IL50319	20120821

Probable Assignee: MIMONE IZCHAK GAGO

Assignee(s):(std)**:** MIMONE IZCHAK GAGO

Inventor(s):(std)**:** MIMONE IZCHAK GAGO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): E03B E03B1/04 E03D5/00 F16K3/02 F16K31/24 F24D17/00 (Advanced/Invention); E03B (Subclass/Invention)

CPC: E03B1/041 E03B3/03 E03B2001/047 E03B1/042 F16K31/24 E03B2001/045 E03D5/003 Y10T137/6969 Y10T137/7358 Y10T137/7439 Y10T137/7737 Y10T137/7837

US class: 137/357 137/409 137/434 137/468 137/511

Classification Explorer

Cited documents: WO07090039 A2, WO04057119 A1, US6032687 A, US5845346 A, US5406657 A, US4924536 A, JP9280592 A2,

Forward Citations: WO16153991, JP2014228178, CN105714924, CN104047329,

Abstract:
Source: US2014326331A A system for collecting and accumulating excess water from one or more in–building sources and delivering it to one or more flushing toilet tanks and possibly also to one or more other in–building consumption devices, such as washing machines or utility faucets. The in–building sources may include any of condensate from an air conditioner, cool water in a hot water supply pipe emerging during initial flow, treated waste water and collected rain– or snow water. At the heart of the disclosed system is an accumulation tank of large capacity, having at least two inlets and at least one outlet. One of the inlets is connected to the main water supply system and includes a valve, configured to let fresh water flow into the main tank whenever the level of the water stored therein falls below a given height. Each outlet is connected to a conduit, conveying water from the accumulation tank to one or more toilet flushing tanks, as their only source, and possibly to other water consumption devices

0) WO08098683A2 – DEVICE FOR PRODUCING HOT WATER OR WATER VAPOUR ...

43) Family number: 42081590 (WO08098683A2) © PatBase

Title: DEVICE FOR PRODUCING HOT WATER OR WATER VAPOUR ESPECIALLY FOR VEHICLES, ESPECIALLY MOTOR VEHICLES

Priority: DE200710007394 20070212 DE200810007254 20080201 WO2008EP00769 20080131 EP20080707456 20080131

Family:

Publication number	Publication date	Application number	Application date
AT537739 E	20120115	AT20080707456T	20080131
DE102008007254 A1	20080814	DE200810007254	20080201
DE502008005931 D1	20120216	DE200850005931T	20080131
EP2120652 A2	20091125	EP20080707456	20080131
EP2120652 B1	20111221	EP20080707456	20080131
WO08098683 A2	20080821	WO2008EP00769	20080131
WO08098683 A3	20081120	WO2008EP00769	20080131

Probable Assignee: VOLKSWAGEN AKTIENGESELLSCHAFT

Assignee(s):(std)**:** ANDRONIS ODYSSEUS ; HACKENBERG ULRICH ; VOLKSWAGEN AG ; LAMMEL ULRICH

Assignee(s): VOLKSWAGEN AKTIENGESELLSCHAFT

Inventor(s):(std)**:** ANDRONIS ODYSSEUS ; HACKENBERG ULRICH ; LAMMEL ULRICH

Agent(s): VOLKSWAGEN AKTIENGESELLSCHAFT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47G21/04 A47J31/00 A47J31/54 B60N3/10 B60N3/16 B65D85/804 (Advanced/Invention); A47G21/00 A47J31/00 A47J31/44 B60N3/00 B60N3/10 B65D85/804 (Core/Invention)

CPC: A47J31/005 A47J31/54

European class: A47J31/00P A47J31/54

Classification Explorer

Cited documents: WO0172187 A1, WO0071006 A1, US4057892 A, GB2394215 A1, GB2066433 A1, GB1417467 A, FR2506592 A1, EP0156719 A1, DE60113402 T2, DE2121322 A1, DE19816031 A1, DE1579454 A1, DE10347047 A1, DE10234025 A1,

DE102004016194 A1

AU1864870 A1,

Forward Citations: WO15173127, US9242598, EP3092924, EP2676842, DE102016009927, DE102016008168, DE102012012268, DE102010013066, DE102009048233, DE102009012419, DE102009012055, DE102008050532, CN104968244,

Abstract:
The invention relates to a device for producing hot water or water vapour, especially for vehicles, especially for motor vehicles, comprising at least one water accumulator and optionally at least one heating device for heating the water to a pre–determined temperature. According to the invention, the device comprises at least one tap point (6) for especially intermittently tapping water or optionally water vapour. Said tap point can be coupled or connected preferably to a tap point connection element (8, 79).

0) US2015201786A – FOOD DISPENSING SYSTEM AND METHOD

44) Family number: 52096529 (US2015201786A) © PatBase

Title: FOOD DISPENSING SYSTEM AND METHOD

Priority: GB20120013120 20120724 GB20120019793 20121102 WO2013GB51877 20130715

Family:

Publication number	Publication date	Application number	Application date
CN104427918 A	20150318	CN201380035363	20130715
EP2877071 A1	20150603	EP20130752652	20130715
GB201213120 A0	20120905	GB20120013120	20120724
GB201219793 A0	20121219	GB20120019793	20121102
GB2498422 A1	20130717	GB20120019793	20121102
GB2498422 B2	20140305	GB20120019793	20121102
GB2504289 A1	20140129	GB20120013120	20120724
US2015201786 AA	20150723	US20130417149	20130715
WO14016565 A1	20140130	WO2013GB51877	20130715

Probable Assignee: FILL N SQUEEZE LTD

Assignee(s):(std)**:** FILL N SQUEEZE LTD ; JAN RIFAT ; RIFAT JAN

Inventor(s):(std)**:** JAN RIFAT

Inventor(s): RIFAT JAN

Agent(s): HANDSOME IP LTD

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class(IPC 8–9)**:** A47J19/04 A47J43/28 A47J47/01 B65B1/04 B65B3/12 B65D75/00 B65D75/58 B65D83/00 B65D85/816 B67D7/02 (Advanced/Invention)

CPC: B65B3/045 B65B3/12 B65D75/008 B65D83/0005 B67D7/0227 B65D75/5866 B65B1/04 A47J19/04 A47J47/01 A47J43/284 B65D75/5883

US class: 141/18 141/2 241/101.1

Classification Explorer

Cited documents: US9289557 BB, US6626870 BA, US6432089 BA, US5951160 A, US5697918 A, US5397313 A, US5006118 A, US4796785 A, US4493349 A, US3682356 A, US3492876 A, US2011290826 AA, US2008300550 AA, US2008105328 AA, GB2426234 A1, EP0134093 B1, EP0134093 A1,

Forward Citations: USD773898, GB2544298,

Abstract:
Source: US2015201786A Paste food dispensation devices and tillable, sealable sachets or pouches for food use are known in the art. The present invention provides a food dispensing system that enables food to be mashed within a hopper, and then to be dispensed into a pouch by way of a plunger formed from a masher with a cover on the head of the masher.

0) US2012017839A – WATERING DEVICE FOR ANIMALS

45) Family number: 50504892 (US2012017839A) © PatBase

Title: WATERING DEVICE FOR ANIMALS

Priority: US20100366870P 20100722 US20110189067 20110722 US20150859617 20150921

Family:

Publication number	Publication date	Application number	Application date
US2012017839 AA	20120126	US20110189067	20110722
US2016007566 AA	20160114	US20150859617	20150921
US9137968 BB	20150922	US20110189067	20110722

Probable Assignee: DOSKOCIL MFG CO INC

Assignee(s):(std): DOSKOCIL MFG ; GREEN STEVEN ; VENESS DAVID R

Assignee(s): DOSKOCIL MFG CO INC ; PNC BANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT ; PNC BANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT AS ; ALLY BANK AGENT AS ; ANTARES CAPITAL LP ADMINISTRATIVE AGENT AS ; CHASE CAPITAL COLLATERAL AGENT AS CORP ; DOSKOCIL MANUFACTURING COMPANY INC

Inventor(s):(std): GREEN STEVEN ; VENESS DAVID R

Agent(s): GLOBAL IP COUNSELORS LLP

International class (IPC 8–9): A01K7/00 A01K7/02 B01D33/27 C02F1/00 (Advanced/Invention)

CPC: A01K7/02 C02F1/00 B01D33/27 C02F2103/20 A01K7/00 A01K7/005

European class: A01K7/00 A01K7/00B

US class: 1/1 119/74 119/74P

Classification Explorer

Cited documents: US8763557 BB, US8381685 BB, US8261696 BA, US8171885 BA, US7089881 BB, US6622657 BB, US6055934 A, US5501178 A, US5097795 A, US4239449 A, US3921584 A, US2008257272 AA, US2008190374 AA, JP5030878 A2,

Forward Citations: USD755449, USD733366, USD704392, USD704391, USD704390, USD704388, USD665134, US8813683, US8770147, US8555816, US2013298839, US2011259273, US2011132268,

Abstract:
Source: US2012017839A One embodiment of the present disclosure may take the form of a watering device for animals with continuously flowing water to attract the attention of the animal. To create flowing water, a water screw device may be utilized within the watering device to move water from a lower bowl of the device to an upper bowl. The water screw may be configured such that the electrical components of the water screw remain separated from the water of the watering dish to remove the possibility of electrocution of the water. Rather, only the mechanical components of the water screw device may contact the water of the watering device while the electrical motor of the water screw remains safely out of the water.

0) US2008251434A – MANUALLY OPERABLE WATER PURIFYING DEVICE

46) Family number: 34366961 (US2008251434A) © PatBase

Title: MANUALLY OPERABLE WATER PURIFYING DEVICE

Priority: EP20050108959 20050928 EP20060809394 20060925 WO2006IB53470 20060925

Family:

Publication number	Publication date	Application number	Application date
BRPI0616437 A2	20160823	BR2006PI16437	20060925
CN101272989 A	20080924	CN200680035753	20060925
EP1931598 A1	20080618	EP20060809394	20060925
IN02015CN2008 A	20090220	IN2008CN02015	20080423
JP2009509744 T2	20090312	JP20080532943T	20060925
RU2008116677 A	20091110	RU20080116677	20060925
US2008251434 AA	20081016	US20060088644	20060925
WO07036864 A1	20070405	WO2006IB53470	20060925

Probable Assignee: PHILIPS ELECTRONICS KONINKLL NV

Assignee(s):(std)**:** MARRA JOHAN ; KONINKL PHILIPS ELECTRONICS NV ; ROYAL DUTCH PHILIPS ELECTRONICS LTD

Assignee(s): KONINKLIJKE PHILIPS ELECTRONICS N V ; PHILIPS ELECTRONICS KONINKLL NV ; PHILIPS ELECTRONICS N V KONINKLL ; PHILIPS KONINKLL NV

Inventor(s):(std)**:** JOHAN MARRA ; MARRA JOHAN

Agent(s): DAMEN DANIEL MARTIJN; PHILIPS INTELLECTUAL PROPERTY AND STANDARDS

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B01D24/38 B01D33/01 B01D33/15 B01D33/70 C02F1/00 C02F1/28 F04B9/14 (Advanced/Invention); B01D24/00 B01D33/00 B01D33/15 C02F1/00 C02F1/28 F04B9/00 (Core/Invention)

International class (IPC 1–7): C02F

CPC: Y02W10/37 F04B53/20 C02F1/004 F04B9/14

European class: C02F1/00D6 F04B53/20 F04B9/14

US class: 210/117 210/117S 210/119 210/232 210/232S

Classification Explorer

Cited documents: US5925309 A, US5695644 A, US5656034 A, US5534145 A, US5268093 A, US5106500 A, US4740301 A, US4151092 A, US3960728 A, US2004035777 AA, US2002110464 AA, GB467134 A, GB189107155 A, DE8912900 U, DE673894 A,

Forward Citations: WO12103003, US9352979, US8790511, US8313644, US8083952, US2012186658, US2011083560, US2010126947, JP2012217990, EP2334604, CN104088770,

Abstract:
Source: US2008251434A The present invention relates to a manually operable device for purifying water, comprising a water container for receiving and holding an amount of non–purified water, comprising a bottom and side walls and adapted to receive a manually operable piston–type filter assembly, said filter assembly comprising filtering means for filtering said non–purified water, wherein said filter assembly is adapted to be manually forced towards the bottom of the said container, thereby allowing non–purified water to pass through the said filtering means thereby purifying the water. With the device according to the invention a low–cost water purifier is provided which can be used to provide an improved drinking water quality under primitive (outdoor) conditions, wherein no water pressure and/or electricity is present.

0) US5333795A – GRANULAR AND LIQUID TREATMENT MATERIAL SPREADER...

47) Family number: 11642090 (US5333795A) © PatBase

Title: Granular and liquid treatment material spreader

Priority: US19930140674 19931021

Family:

Publication number	Publication date	Application number	Application date
US5333795 A	19940802	US19930140674	19931021

Probable Assignee: JESSEN THOMAS F

Assignee(s):(std)**:** JESSEN THOMAS F

Inventor(s):(std)**:** JESSEN THOMAS F

International class (IPC 8–9)**:** A01C15/02 (Advanced/Invention); A01C15/00 (Core/Invention)

International class (IPC 1–7)**:** A01C19/04 A01C7/06

CPC: A01C15/02

European class: A01C15/02

US class: 239/157 239/663 239/685 239/687 D15/13

Classification Explorer

Cited documents: US4955538 A, US4926768 A, US4901655 A, US4798325 A, US4511090 A, US4483486 A, US4352463 A, US4296875 A, US4234131 A, US4185782 A, US3394892 A, US3383055 A,

Forward Citations: WO14028994, WO12091474, WO12091474, WO11163496, WO11163496, USD760809, USD673587, USD673586, US9623903, US9556863, US8262004, US8100603, US7857239, US7699240, US6606966, US6336600, US6290099, US6142397, US6070814, US5860604, US5533676, US5501403, US2015053788, US2010008725, US2008197210, US2007084946, ES2394816, CN104838774, CN104429235,

Abstract:
Source: US5333795A The present invention provides an apparatus for spreading on the ground granular and liquid treatment materials at the selection of the operator. The apparatus includes a motorized cart having granular and liquid storage compartments and associated controls to release the treatment materials on an as needed basis. A spray wand is also provided to permit spraying the liquid material for detail applications. A pump is operably connected to the liquid storage compartment, the spray wand, and one or more area spray nozzles to provide the liquid for spraying purposes. The granular material can be radially broadcast from the granular storage compartment as the cart traverses the ground. Controls for the motor and the granular and liquid treatment operation are mounted to the apparatus for easy access by the operator. The present invention also provides a retrofit package for inclusion on available granular spreaders to provide the motorized granular and liquid treatment apparatus disclosed herein.

0) US2004088782A – TOILET TANK VALVE

48) Family number: 30567429 (US2004088782A) © PatBase

Title: TOILET TANK VALVE

Priority: US20020291220 20021107 US20040009348 20041210

Family:

Publication number	Publication date	Application number	Application date
US2004088782 AA	20040513	US20020291220	20021107
US2005102742 AA	20050519	US20040009348	20041210
US6910232 BB	20050628	US20020291220	20021107
US7155751 BB	20070102	US20040009348	20041210

Probable Assignee: ANTUNEZ BRUCE A

Assignee(s):(std)**:** ANTUNEZ BRUCE A

Inventor(s):(std)**:** ANTUNEZ BRUCE A

Inventor(s): ANTUNEZ BRUCE

Agent(s): DONALD D MON SUITE 303; MON DONALD D; DONALD D

International class(IPC 8–9)**:** E03D1/34 E03D5/092 (Advanced/Invention); E03D1/30 E03D5/00 (Core/Invention)

International class(IPC 1–7)**:** E03D1/06 E03D1/34

CPC: E03D1/34 E03D5/092

European class: E03D1/34 E03D5/092

US class: 4/353 4/370 4/378 4/380 4/381 4/382 4/390 4/391 43/53 43/78 43/80 43/81 43/82 43/91

Locarno class: 43/78

Classification Explorer

Cited documents: USD294285 S1, USD248404 S1, USD108705 S1, US6336229 BA, US5926861 A, US5711039 A, US5329647 A, US5228146 A, US4945578 A, US4656677 A, US4604763 A, US4593419 A, US4341238 A, US4145775 A, US3890652 A, US386917 A, US3705428 A, US3331094 A, US3267491 A, US3086218 A, US2945239 A, US2693601 A, US2131765 A, US1247643 A,

Forward Citations: US8806669, US8087105, US8079095, US7895684, US7634821, US2017127658, US2014230136, US2011231988, US2011119822, US2009255043, US2009126094, US2008282457, US2008052812, US2007101485, US2005273919, CN104975640, CN101845845, CN101845845,

Abstract:
Source: US2004088782A A toilet tank flushing system including a ballcock valve for maintaining a storage level of water in the tank, a tank valve to release stored water on demand, and a linkage system which requires a reduced physical effort to initiate flushing. A hollow, open–ended closure for the tank valve enables a large cross–section area of discharge port to be used, and which can pass bowl refill water during the flushing sequence.

0) US2001042558A – SURFACE CLEANER AND RETRIEVAL UNIT

49) Family number: 28143089 (US2001042558A) © PatBase

Title: Surface cleaner and retrieval unit

Priority:

US19930118139 19930908 US19930118139 19930908 US19960021062P 19960702
US19940343650 19941122 US19960615797 19960314 US19940343193 19941122
WO1997US11694 19970702 US19960746025 19961104 US20000663243 20000915
WO1994US09707 19940831 US20010885391 20010619 WO2002US19374 20020618

Family:

Publication number	Publication date	Application number	Application date
AT227540 E	20021115	AT19940929113T	19940831
AT504364 E	20110415	AT20020756235T	20020618
AU199478288 A1	19950327	AU19940078288	19940831
AU199737944 A1	19980121	AU19970037944	19970702
AU2002322258 AA	20030102	AU20020322258	20020618
AU2002322258 BB	20071122	AU20020322258	20020618
AU2002322258 CA	20080710	AU20020322258	20020618
AU689806 B2	19980409	AU19940078288	19940831
AU723056 B2	20000817	AU19970037944	19970702
AU7828894 A1	19950327	AU19940078288D	19940831
CA2451044 AA	20031218	CA20022451044	20020618
CA2451044 C	20080212	CA20022451044	20020618
DE60239681 D1	20110519	DE20026039681	20020618
DE69431726 D1	20021219	DE19946031726	19940831
DE69431726 T2	20030918	DE19946031726T	19940831
DE69733576 D1	20050721	DE19976033576	19970702
DE69733576 T2	20060518	DE19976033576T	19970702
DK1409163 T3	20110530	DK20020756235T	20020618
EP0720438 A1	19960710	EP19940929113	19940831
EP0720438 A4	19961030	EP19940929113	19940831
EP0720438 B1	20021113	EP19940929113	19940831
EP1006854 A2	20000614	EP19970934883	19970702
EP1006854 A4	20020417	EP19970934883	19970702
EP1006854 B1	20050615	EP19970934883	19970702
EP1409163 A1	20040421	EP20020756235	20020618
EP1409163 A4	20071024	EP20020756235	20020618
EP1409163 B1	20110406	EP20020756235	20020618
ES2245002 T3	20051216	ES19970934883T	19970702
ES2361398 T3	20110616	ES20020756235T	20020618
HK1028942 A1	20050909	HK20000108026	20001214
JP2001508671 T2	20010703	JP19980504498T	19970702
JP2004529742 T2	20040930	JP20030505097T	20020618
JP3448059 B2	20030916	JP19950508707T	19940831
JP4022517 B2	20071219	JP20030505097T	20020618
JP4542630 B2	20100915	JP19980504498T	19970702
JP9504846 T2	19970513	JP19950508707T	19940831
US2001042558 AA	20011122	US20010885391	20010619
US5500976 A	19960326	US19930118139	19930908
US5501396 A	19960326	US19940343650	19941122
US5826298 A	19981027	US19960746025	19961104

US6302967 BA	20011016	US20000663243	20000915	
US6514354 BB	20030204	US20010885391	20010619	
WO02102527 A1	20021227	WO2002US19374	20020618	
WO9507045 A1	19950316	WO1994US09707	19940831	
WO9800239 A2	19980108	WO1997US11694	19970702	
WO9800239 A3	19980625	WO1997US11694	19970702	

Probable Assignee: NILFISK ADVANCE TECHNOLOCIES INC

Assignee(s):(std)**:** CYCLONE SURFACE CLEANING INC ; GRAVES NELSON D ; JACOBSON JUDITH MAE ; MARLEY KEMPER JR ; NILFISK ADVANCE TECHNOLOGIES INC ; ROHRBACHER RICHARD DAVID ; ROHRBACHER RICHARD D

Assignee(s): SONNETT JACOB M ; STAHOVIAK TIMOTHY P ; CIPG CYCLONE HOLDING LLC ; ROHRBACHER R SCOTT ; NILFISK ADVANCE TECHNOLOCIES INC ; JENTINK BEN W ; M AND I THU ; M AND I THUNDERBIRD BANK

Inventor(s):(std)**:** GRAVES NELSON D ; JACOBSON JUDITH M ; JACOBSON JUDITH MAE ; JENTINK BEN ; JENTINK BEN W ; JUDITH MAE JACOBSON ; KEMPER MARLEY JR ; MARLEY JR KEMPER ; MARLEY KEMPER JR ; NELSON D GRAVES ; ROHRBACHER R ; ROHRBACHER R SCOTT ; ROHRBACHER RICHARD ; ROHRBACHER RICHARD D ; ROHRBACHER RICHARD DAVID ; ROHRBACHER SCOTT R ; SONNETT JACOB ; SONNETT JACOB M ; STAHOVIAK TIMOTHY ; STAHOVIAK TIMOTHY P ; RICHARD D ROHRBACHER ; RICHARD DAVID ROHRBACHER

Inventor(s): ROHRBACHER D ; TIMOTHY P STAHOVIAK ; SCOTT R ROHRBACHER ; R SCOTT ROHRBACHER ; MARLEY JR ; JACOB M SONNETT ; BEN W JENTINK ; GRAVES D

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; CASSAN MACLEAN; DRAPER MARTYN JOHN

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): A47L11/03 A47L11/14 A47L11/292 A47L11/30 A47L11/38 A47L11/40 A47L5/10 A47L5/26 A47L7/00 B05B17/04 B05B3/00 B05B3/06 B05B3/08 B05B3/18 B08B3/00 B08B3/02 B08B3/12 B08B3/14 B08B5/04 B08B6/00 B08B7/00 B08B7/04 C09K3/22 C23G1/36 E01H1/08 E01H1/10 (Advanced/Invention);
B08B3/02 (Advanced/Non–invention);
A47L11/29 A47L7/00 B08B3/02 E01H1/00 (Core/Invention)

International class (IPC 1–7): A47L A47L11/14 A47L11/292 A47L11/30 A47L11/40 A47L5/10 A47L5/26 A47L7/00 A47L9/02 B05B17/04 B05B3/00 B05B3/06 B05B3/08 B05B3/18 B05D B08B3/00 B08B3/02 B08B3/12 B08B3/14 B08B5/04 B08B6/00 B08B7/00 B08B7/04 B64D15/10 C09K3/22 C23G1/36 E01H E01H1/08 E01H1/08 E01H1/10

CPC: A47L11/03 A47L11/302 A47L11/4038 A47L11/4069 B05B3/001 A47L11/4027 A47L11/38 A47L11/4016 A47L11/4044 A47L11/4088 A47L11/4094 B05B3/06 B08B3/024 B08B2203/0229 E01H1/103

European class: A47L11/03 A47L11/30B A47L11/38 A47L11/40D2 A47L11/40E A47L11/40F2 A47L11/40F6 A47L11/40J4 A47L11/40N6 A47L11/40R B05B3/06 B08B3/02C E01H1/10B2 L08B203/02F

US class: 134/10 134/109 134/10P 134/179 134/21 134/21S 134/34 134/37 134/40 134/42 134/6 15/320 15/321 15/322 15/340.1 15/340.2 15/353 15/385 15/385S 239/251 239/259 239/261 239/262 239/7 239/754 285/9.2 510/214 510/215 510/217

Classification Explorer

Cited documents: WO9800239 A2, US935559 A, US6302967 BA, US5826298 A, US5718015 A, US5704989 A, US5601659 A, US5501396 A, US5500976 A, US5469597 A, US5428863 A, US5331713 A, US5265805 A, US5253809 A, US5224236 A, US5203575 A, US5174614 A, US5165699 A, US5135015 A, US5134748 A, US5080378 A, US5028004 A, US4997192 A, US4974282 A, US4934254 A, US4923120 A, US4887395 A, US4836561 A, US4715539 A, US4696075 A, US4652368 A, US4537639 A, US4466155 A, US4463957 A, US4439954 A, US4391450 A, US4379031 A, US4377018 A, US4377017 A, US4339840 A, US4337784 A, US4219155 A, US4194263 A, US4191590 A, US4191589 A, US4133072 A, US4107816 A, US4014467 A, US4000538 A, US3964925 A, US3959010 A, US3919729 A, US3848804 A, US3829019 A, US3778864 A, US3753777 A, US3683945 A, US3652014 A, US3624668 A, US3616917 A,

US3079285 A, US3032955 A, US2635277 A, US2001042558 AA, US1784314 A, US1628141 A, US1093820 A, GB2024611 A1, FR26670871 A1, FR2667087 A1,

Forward Citations: WO16127099, WO15147805, WO11020492, WO10061222, WO09117234, WO05071168, WO0210518, WO02102527, WO0028875, WO0021789, USD701357, USD634083, USD633263, USD544656, USD532946, US9713829, US9643107, US9399853, US9382688, US9260050, US9260049, US9260048, US9180496, US9103091, US9056266, US9027579, US8925753, US8879897, US8747666, US8729278, US8721805, US8677555, US8667717, US8584795, US8524010, US8393049, US8360260, US8357292, US8357245, US8336231, US8303824, US7998344, US7770254, US7422031, US7290307, US7255540, US7255116, US7179372, US7175758, US7131229, US7113847, US7074337, US7060189, US7054716, US6896742, US6857162, US6695235, US6598262, US6594855, US6578714, US6517639, US6514354, US6413323, US6368373, US6302967, US6230984, US6189177, US6081960, US6032326, US6027040, US5970574, US2016236247, US2016015845, US2014263691, US2014230938, US2014230937, US2013205533, US2013019911, US2012023698, US2011131752, US2011107548, US2011088289, US2010269860, US2010200514, US2010170536, US2009260177, US2009242003, US2009241999, US2009114609, US2008272040, US2008244859, US2008066781, US2007113368, US2006207947, US2006180530, US2006000491, US2005279710, US2005200123, US2005125936, US2005029200, US2005016906, US2004262206, US2004177870, US2002178529, US2002070290, TWI348402, RU2503510, NL1025308, JP2013502305, JP2009279660, GB2499148, GB2499148, GB2368871, EP1729896, EP1409163, EP1360922, EP1210982, EP1182297, EP1139849, EP1006854, DE10324298, DE102008029648, DE102005044715, CN105421801, CN105392571, CN103654618, CN103565373, CN102319710, CN102304901, CN101965234,

Abstract:
Source: US2001042558A This invention is directed to a cyclonic power system and method of using the system to clean flat surfaces. The cyclone power system includes a driven spindle that is mounted for rotation about its longitudinal axis. There are a plurality of radially extending straight rod extending from the spindle. Curved blades are connected at one end to the spindle and at their other end to the free end of a straight rod. The centrifugal force, generated as a result of the rotation of the driven spindle is not effective to cause the straight rods, which are constructed of stainless steel, to lengthen and since the curved blades are connected to the straight rods, the centrifugal force is not effective to lengthen the curved blades. In an embodiment of the invention a perforated disc is secured to the bottom surface of the spindle and to the free ends of the straight rods. In this embodiment the water and debris is pulled up through the perforations in the disc. The perforated disc protects the rotary member from heavy projectiles that are lifted from the surface to be cleaned, adds to the stability to the rotary member and has eliminated of the need for the supports extending between the mid−portion of the curved blades and the straight rods. In addition to the above improvements the flow through the perforations in the disc is limited to the upward flow and once water laden with debris has passed through the perforations in the disc it remains above the disc and is swept to the discharge.

0) US2004206245A – MACHINE FOR THE PREPARATION OF BEVERAGES

50) Family number: 34722036 (US2004206245A) © PatBase

Title: MACHINE FOR THE PREPARATION OF BEVERAGES

Priority: GB20030001709 20030124 GB20030001713 20030124 US20040763519 20040123 US20030462538P 20030411 GB20030001734 20030124 GB20030001735 20030124 WO2004GB00265 20040123

Family:

Publication number	Publication date	Application number	Application date
AU2004206096 AA	20040805	AU20040206096	20040123
BRPI0406867 A	20060103	BR2004PI06867	20040123
CA2513888 AA	20050721	CA20042513888	20040123
EP1440644 A1	20040728	EP20040250380	20040123
EP1440644 B1	20060412	EP20040250380	20040123
GB200301713 A0	20030226	GB20030001713	20030124
GB2397501 A1	20040728	GB20030001713	20030124
GB2397501 A8	20040805	GB20030001713	20030124
GB2397501 B2	20050622	GB20030001713	20030124
HK1065692 A1	20061110	HK20040108570	20041101
HK1065692 A3	20050304	HK20040108570	20041101
JP2006515526 T2	20060601	JP20060500233T	20040123
KR101116526 B1	20120228	KR20057013568	20040123
KR20050107745 A	20051115	KR20057013568	20040123
LT2005076 A	20060725	LT20050000076	20050823
MXPA05007875 A1	20051117	MX2005PA07875	20040123
NO20053937 A	20051024	NO20050003937	20050823
NO20053937 A0	20050823	NO20050003937	20050823
PL207086 B1	20101029	PL20040377929	20040123
PL377929 A1	20060220	PL20040377929	20040123
RU2005126732 A	20060227	RU20050126732	20040123
RU2331349 C2	20080820	RU20050126732	20040123
US2004206245 AA	20041021	US20040763519	20040123
US7255039 BB	20070814	US20040763519	20040123
WO04064582 A2	20040805	WO2004GB00265	20040123
WO04064582 A3	20050120	WO2004GB00265	20040123

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std): HALLIDAY ANDREW ; HANSEN NICK ; KRAFT FOODS R AND D ; KRAFT FOOD R AND D INC ; CARTER STEVEN ; KRAFT FOODS R AND D INC ; KRAFT FUDZ R U D INK

Assignee(s): D INC ; DOUWE EGBERTS BV KONINKLL ; KRAFT FOOD R AMP AMP ; KRAFT FOODS R AMP AMP

Inventor(s):(std): CARTER STEVEN ; HALLIDAY ANDREW ; HANSEN NICK ; KARTER STIVEN ; KHANSEN NIK ; KHOLLIDEHJ EHNDRJU ; NICK HANSEN ; HALLIDAY ANDREW MICHAEL ; CARTER STEVE ; CARTER STEPHEN ; CARTER STEVER

Inventor(s): STEPHEN CARTER ; ANDREW HALLIDAY ; ANDREW MICHAEL HALLIDAY ; STEVEN CARTER ; STEVER CARTER

Agent(s): GRIFFITH HACK; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; FITCH EVEN TABIN AND FLANNERY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC

MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47J31/00 A47J31/06 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/46 A47J31/56 A47J36/12 B65D81/00 B65D85/804 E05D15/40 (Advanced/Invention); A47J31/06 A47J31/40 A47J31/44 (Advanced/Non–invention); A47J31/06 A47J31/24 A47J31/40 A47J31/44 A47J36/00 B65D81/00 B65D85/804 (Core/Invention); A47J (Subclass/Invention)

International class (IPC 1–7): A23L1/00 A47J0/00 A47J31/06 A47J31/36 A47J31/40 A47J31/44 A47J36/12

CPC: A47J31/465 B65D85/8043 A47J31/0673 A47J31/3695 A47J31/4407 A47J31/446 A47J31/4492 A47J31/56 A47J31/40 A47J31/00 A47J31/44

European class: A47J31/06C A47J31/06P4B A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A1 A47J31/44A4 A47J31/44H A47J31/46S2 A47J31/56 A47J36/12 B65D81/00B3 B65D85/804B

US class: 49/248 49/251 49/253 99/295 99/302R 99/337 99/337P 992/950

Classification Explorer

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Forward Citations: WO15124534, WO14116976, WO12160342, WO12037784, WO11154690, WO11153065, WO11060137, WO11058329, WO10125329, WO10125326, WO09150112, WO06014936, WO06014936, USD757536, USD743786, USD743252, USD723329, USD713194, USD708057, USD703039, USD697797, USD695111, USD694620, US9708109, US9669992, US9668606, US9668452, US9561900, US9556011, US9554666, US9504348, US9474406, US9451847, US9439532, US9427105, US9415930,

US9409705, US9402405, US9386877, US9371174, US9339142, US9272827, US9260284, US9248954, US9167933, US9161652, US9114902, US9113654, US9101163, US9091632, US9084509, US9057180, US8974846, US8950317, US8936819, US8887622, US8852948, US8852659, US8846121, US8846120, US8833238, US8771768, US8740020, US8707855, US8651012, US8590753, US8567304, US8512776, US8383181, US8359969, US8304006, US8202560, US8168247, US8109200, US7993691, US7654192, US2016244249, US2016242456, US2016242455, US2016101929, US2015257586, US2014322412, US2014170278, US2014109772, US2014083302, US2013164418, US2013064929, US2013025465, US2012285334, US2012156336, US2010192779, US2010055252, US2009308259, US2009293735, US2009293530, US2009241782, US2008264267, US2007283816, US2007224319, US2007017376, US2006110507, RU2583904, RU2571191, RU2506033, RU2496401, KR100761971, JP2016530914, JP2015505499, JP2013510616, JP2012530523, JP2012530521, JP2011520476, JP2010527657, JP2010527656, JP2010527655, JP2009511099, GB2523380, GB2481068, GB2481068, GB2475291, GB2475291, GB2475290, GB2469874, GB2469873, GB2469873, GB2449630, GB2449630, FR2881635, EP2948030, EP2299880, EP1700548, DE102009030831, CN105011763, CN102665499, CN102665499, CN102325484, CN102008238, CH709295, AU2012200422,

Abstract:
Source: US2004206245A A closure mechanism for a beverage preparation machine comprising a fixed lower part and an upper part rotatable relative to the lower part, the upper part being moveable from an open position, in which the upper part is disengaged from the lower part, and a closed position, in which the upper part is engaged with the lower part, the closure mechanism further comprising a clamping lever operable to retain the upper part in the closed position, wherein the clamping lever comprises a first member being pivotably connected at a first pivot to the upper part and a second member having a first end pivotable about a second pivot, an end of the first member and a second end of the second member being pivotably connected together at a third pivot such that the clamping lever has first and second positions of stability, wherein on operation of the clamping lever to move the upper part from the open position to the closed position the clamping lever moves from the first to the second position of stability.

0) US2008187638A – CARTRIDGE, A MACHINE, A SYSTEM AND A METHOD FOR...

51) Family number: 31006287 (US2008187638A) © PatBase

Title: CARTRIDGE, A MACHINE, A SYSTEM AND A METHOD FOR THE PREPARATION OF BEVERAGES

Priority: CA20052574961 20050726 CA20052789731 20050726 CA20122574961 20120927 EP20050781266 20050726 GB20040016705 20040727 GB19410006705 20040727 US20080572617 20080123 US20120345509 20120106 CN200580031674 20050726 WO2005US26459 20050726

Family:

Publication number	Publication date	Application number	Application date
AR055235 AA	20070815	AR2005P103116	20050727
AT407601 E	20080915	AT20050781266T	20050726
CA2574961 AA	20070124	CA20052574961	20050726
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WO06014936 A2	20060209	WO2005US26459	20050726
WO06014936 A3	20060511	WO2005US26459	20050726

Probable Assignee: DOUWE EGBERTS BV

Assignee(s):(std)**:** HANSEN NICK ; HENSEN NICK ; KRAFT FOODS GLOBAL BRANDS LLC ; DOUWE EGBERTS BV ; KRAFT FOODS R AND D INC ; KRAFT FOODS RANDD INC

Assignee(s): KRAFT FOODS R AND D INCTHREE PARKWAY NORTHDEERFIELDIL60015US ; D INC ; KRAFT FOODS RAND D INC ; DOUWE EGBERTS BV KONINKLL ; KRAFT FOODS R AMP AMP

Inventor(s):(std): HANSEN NICK ; HENSEN NICK ; NICK HENSEN

Inventor(s): HANSEN NICKGB ; NICK HANSEN

Agent(s): MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; FITCH EVEN TABIN AND FLANNERY; FITCH EVEN TABIN AND FLANNERY LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A23F3/18 A23F5/00 A23F5/26 A23L2/00 A47J31/00 A47J31/06 A47J31/36 A47J31/40 A47J31/44 B65D81/00 B65D85/80 B65D85/804 B67D5/00 B67D99/00 (Advanced/Invention); A47J31/06 B65D81/00 (Advanced/Non–invention); A23F5/00 A47J31/00 A47J31/06 A47J31/24 A47J31/44 B65D81/00 B65D85/80 B65D85/804 B67D99/00 (Core/Invention); A47J31/06 B65D81/00 (Core/Non–invention)

International class (IPC 1–7): A47J31/06 A47J31/40 B65D81/00

CPC: A47J31/36 B65D85/8043 A47J31/0673 A47J31/4492 B65D2203/06 B65D2203/10

European class: A47J31/06P4B A47J31/36 A47J31/44H B65D81/00B3 B65D85/804B L65D203/06 L65D203/10

US class: 222/1 222/1S 426/431 426/431S 426/433 426/433P 426/435 426/435S 99/279 99/289.00R 99/289.00RS 99/289R 99/295 99/300 99/300S

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Abstract:
Source: US2008187638A The invention provides a beverage preparation machine comprising a brew head for receiving beverage cartridges of various heights and means for passing an aqueous medium through said beverage cartridges to form a beverage from one or more beverage ingredients contained in said cartridges. The brew head comprises a first part and a second part, the first and second parts being movable relative to one another from an open position in which said beverage cartridges can be received in the brew head and a closed

position in which said beverage cartridge can be fixedly retained in a brew head space defined between the first and second parts. The first part of the brew head comprises a clamping member which extends within the brew head space part−way towards the second part such that a distal end of the clamping member and the second part are a fixed distance from one another when the first and second parts are in the closed position. While in use, beverage cartridges of various heights may be clamped in the brew head space between the distal end of the clamping member and the second part. A beverage cartridge, a beverage preparation system and a method of preparing a single serving of a filtered beverage are also claimed.

0) US2001040122A – ASSEMBLY FOR PURIFYING WATER

52) Family number: 30111215 (US2001040122A) © PatBase

Title: ASSEMBLY FOR PURIFYING WATER

Priority:

US19970066119P 19971121 US19980197036 19981121 US19990166254P 19991118
US19990166255P 19991118 US20010794601 20010227 US20000717903 20001120
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US20110931707 20110208 US20110324958 20111213 US20110931008 20110121
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Family:

Publication number	Publication date	Application number	Application date
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US2001042708 AA	20011122	US20000752982	20001231
US2002023866 AA	20020228	US20010794601	20010227
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US6623635 BB	20030923	US20000752982	20001231
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US8323511 BA	20121204	US20110324958	20111213
US8414839 BA	20130409	US20110931008	20110121
US8491775 BA	20130723	US20070980950	20071031
USD493509 S1	20040727	US20020165635F	20020814

Probable Assignee: MINTEQ UK LTD

Assignee(s):(std)**:** BARNES RONALD ; BARNES RONALD L

Assignee(s): MINTEQ UK LTD ; SAPPI NETHERLANDS SERVICES BV

Inventor(s):(std): BARNES RONALD ; BARNES RONALD L

Agent(s): CLODFELTER MARK; MARK; KENYON AND KENYON; STEVEN M

International class (IPC 8–9): A01M29/12 A61H33/00 A61H33/14 A61L2/10 A61L2/20 A61L9/00 A61L9/015 A61L9/12 A61L9/20 A62B25/00 A62B7/08 B01F5/00 B01F5/04 B01J19/08 C01B13/10 C01B13/11 C02F1/32 C02F1/46 C02F1/461 C02F1/76 C02F1/78 C02F9/04 C02F9/06 C02F9/12 E04H4/12 E04H4/16 G01N33/00 (Advanced/Invention); B01F3/04 (Advanced/Non–invention); A61H33/00 A61L2/10 A61L2/20 A61L9/015 A61L9/18 A62B25/00 B01F5/04 B01J19/08 C01B13/10 C01B13/11 C02F1/32 C02F1/46 C02F1/461 C02F1/78 C02F9/00 C02F9/08 E04H4/00 (Core/Invention); B01F3/04 (Core/Non–invention)

International class (IPC 1–7): A61H33/02 A61H33/14 A61L9/20 B01D1/00 B01J19/08 C02F1/30 C02F1/32 C02F1/78 F17D1/00

CPC: A01M29/12 A61L9/122 F25C2400/10 F25D17/042 F25D27/00 F25D2317/0416 F25D2317/061 F25D2323/121 F25D2323/122 A61L2/10 A61L2/202 A61H33/14 A61H2033/141 C02F1/008 A61H2033/0037 A61H2033/143 A61H2201/5058 A61H2201/5082 C02F2209/005 Y10S261/42 B01F3/04503 B01F5/0476 B01F5/0485 B01F5/106 C02F2201/004 C02F1/006 C02F1/20 C02F1/32 C02F2301/024 C02F2303/18 C02F9/00 A61H33/02 A61H33/601 A61H33/60 A61H33/6068 E04H4/1209 C02F1/4674 C02F2301/046 E04H4/1281 A61H33/0087 A61H33/005 A61H2033/002 A61H2201/102 C01B2201/22 C02F1/325 C02F2103/42 C02F2201/3223 C02F2201/328 C02F2201/782 C02F2303/04 A61L2209/111 A61L2209/14 Y10T436/206664 B01F3/04099 B01F2003/04886 Y10T137/0379 Y10T137/2202 Y10T137/87587 Y10T137/87611 B01F1/0033 B01F3/0865 B01F5/0428 B01F5/0606 B01F5/0608 Y10T137/87595 C02F2301/026 C02F2301/043 C02F1/78 A62B23/00 A61L9/015 A61L9/20 A62B17/006 A62B17/04 B01D53/38 B01D53/86 B01D2251/104 B01D2253/102 B01D2257/504 B01D2257/91 B01D2259/4541 B01D2259/4558 B01D2259/4566 B01D2259/4583 B01D2259/804 C01B13/10 C01B13/11 C01B2201/82 Y02P20/152 B01F2005/044

European class: A01M29/12 A61H33/00N A61H33/14 A61L2/10 A61L2/20C A61L9/015 A61L9/12F A61L9/20 A62B23/00 B01D53/38 B01F1/00F2B B01F3/08F1 B01F5/04C12 B01F5/04C12S4 B01F5/06B2D2 B01F5/06B2D6 C01B13/10 C01B13/11 C02F1/00R C02F1/32D C02F1/467B2 C02F1/78 E04H4/12A E04H4/12B F25D17/04A F25D27/00 H05B3/00L K61H201/10A K61H201/50S K61H201/50S14 K61H33/00A4D K61H33/00A5 K61H33/00E K61H33/14A1 K61H33/14A2 K61L209/111 K61L209/140 K62B17/00H K62B17/04 L01D251/104 L01D253/102 L01D257/504 L01D257/91 L01D259/45P L01D259/45T2 L01D259/45V L01D259/45W L01D259/804 L01D53/86 L01F3/04C L01F3/04C20B4E M01B201/22 M01B201/82 M02F1/00T M02F1/20 M02F1/32 M02F1/467B2 M02F103/42 M02F201/322E M02F201/328 M02F201/782 M02F209/00T M02F301/02D M02F301/04D M02F303/04 M02F303/18 M02F9/00 R25C400/10 R25D317/0416 R25D317/061 R25D323/121 R25D323/122

US class: 128/205.28 137/12 137/829 137/888 137/889 137/891 204/660 205/701 205/742 205/756 210/120 210/123 210/143 210/167 210/167.1 210/167.11 210/167.12 210/169 210/188 210/192 210/198.1 210/202 210/205 210/206 210/218 210/232 210/242.1 210/259 210/260 210/416.1 210/416.2 210/739 210/748.2 210/749 210/754 210/760 210/97 250/436 250/437 250/438 261/108 261/121.1 261/79.2 261/792 261/DIG.42 4/507 4/541.1 4/541.2 422/120 422/121 422/186.03 422/186.07 422/186.070S 422/186.12 422/186.15 422/186.3 422/186.300S 422/24 422/4 436/135 96/168 96/224 96/250 D23/208

Classification Explorer

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Forward Citations: WO17004004, WO16164832, WO16020692, WO15157442, WO15148837, WO15121860, WO15060467, WO15036652, WO14205486, WO14160149, WO14122230, WO14122226, WO14005292, WO13063690, WO13060672, WO13025422, WO13025422, WO12167363, WO12153303, WO12148386, WO12112019, WO12095144, WO12048003, WO12035002, WO11018603, WO11006633, WO10028467, WO09122379, WO09071744, WO08051746, WO08014540, WO07143785, WO07087709, WO06027145, WO06021028, WO06016032, WO06000891, WO06000891, US9700641, US9698003, US9636715, US9624115, US9574343, US9573148, US9566149, US9486817, US9458041, US9451787, US9437103, US9392815, US9384947, US9352984, US9308492, US9295610, US9265174, US9227155, US9226491, US9220657, US9193607, US9150443, US9132393, US9114183, US9084949, US9079227, US9068373, US9011697, US9010379, US8951477, US8951360, US8944786, US8919356, US8894750, US8814005, US8776790, US8749191, US8747772, US8721876, US8720442, US8696898, US8671472, US8663553, US8557177, US8512529, US8505575, US8491764, US8465704, US8453275, US8428095, US8414839, US8409434, US8404180, US8398928, US8387956, US8375987, US8367007, US8353291, US8329096, US8323486, US8257648, US8226899, US8220082, US8187533, US8157034, US8129696, US8075784, US8070941, US8066939, US8062589, US8056358, US8037618, US8007666, US8002881, US7984567, US7971368, US7926118, US7922668, US7883622, US7875173, US7837951, US7748233, US7722708, US7682562, US7647725, US7641791, US7640766, US7604735, US7597856, US7547892, US7508951, US7431847, US7422684, US7416660, US7407592, US7402253, US7383661, US7381338, US7380773, US7368055, US7352073, US7346938, US7326387, US7323137, US7285223, US7222841, US7203977, US7189978, US7146659, US7124966, US7029165, US7022225, US6971125, US6951633, US6944893, US6916359, US6877726, US6826848, US6802638, US6800205, US6800064, US6723233, US6716340, US6681414, US2017173504, US2016316975, US2016235874, US2016223257, US2016219892, US2016207204, US2016136609, US2016012705, US2015362268, US2015354600, US2015336809, US2015320965, US2015320897, US2015273546, US2015136671, US2015068562, US2015014229, US2014322071, US2014316180, US2014271285, US2014253336, US2014069853, US2014017122, US2013317959, US2013305589, US2013287626, US2013284763, US2013224077, US2013192974, US2013072858, US2013067654, US2013041312, US2013028793, US2013019819, US2013000733, US2012305498, US2012291458, US2012261354, US2012227176, US2012222346, US2012217319, US2012156309, US2012141323, US2012085442, US2011310922, US2011284476, US2011251018, US2011250099, US2011212018, US2011186494, US2011173799, US2011153114, US2011131875, US2011084011, US2011083113, US2011056012, US2011011400, US2011011398, US2011002810, US2010310435, US2010294849, US2010289655, US2010287693, US2010271902, US2010223721, US2010219136, US2010196215, US2010181260, US2010175181, US2010172793, US2010143218, US2010122740, US2010107991, US2010090129, US2010089839, US2010083520, US2010071633, US2010043835, US2010032355, US2010032015, US2010031435, US2010011521, US2009321368, US2009311138, US2009283116, US2009252654, US2009241952, US2009193676, US2009183523, US2009142225, US2009128984, US2009074609, US2009067194, US2009008243, US2008307694, US2008290046, US2008264257, US2008263889, US2008256853, US2008223788, US2008199351, US2008158502, US2008138241, US2008131314, US2008093213, US2008092601, US2008072447, US2008062812, US2008008620, US2007227961, US2007166186, US2007145291, US2007144064, US2007125230, US2007119699, US2007063654, US2007057389, US2007022402, US2007019832, US2006283810, US2006283787, US2006243673, US2006243672, US2006219235, US2006153002, US2006144691, US2006144689, US2006124542, US2006076507, US2006070675, US2006027507, US2006027463, US2006022142, US2006021951, US2006006117, US2005285402, US2005263622, US2005226762, US2005199274, US2005163678, US2005120473, US2005109709, US2005104237, US2005091740, US2005044619, US2004250440, US2004217068, US2004197244, US2004190368, US2004168248, US2004146437, US2004074392, US2004074252, US2004060811, US2004055969,

US2004028576, US2004020863, US2004011642, US2003146082, US2003139734, RU2541320, NL2002242, KR100904722, KR100877421, JP2013202493, ITMI20112262, GB2470915, FR2962432, FR2929633, FR2928707, FR2926977, FR2873172, ES2434140, EP2742308, EP2668964, EP2289854, EP1973578, EP1773479, EP1450865, EP1450865, EP1380537, DE102015102882, DE102011008514, CN105339311, CN105310877, CN104887486, CN103990236, CN103890514, CN103880236, CN103826731, CN103702948, CN103702948, CN103299024, CN103299024, CN102274118, CN102274118, CN101966347, AU2007317014,

Abstract:
Source: US2001040122A An assembly for purifying water, the assembly consisting of a tube for carrying the water, the tube for carrying water having an upstream and a downstream end; a high intensity ultra−violet light or corona discharge ozone generator for introducing ozone into said tube for carrying water at an ozone introduction point within said tube; an ozone contact time tube segment situated between the ozone introduction point and the downstream end of the tube for carrying water; a bubble separator column having a water input port and a water output port, the downstream end of the tube for carrying water being positioned so that water emitting therefrom may pass through the water input port; and a water level sensitive electrically actuated valve for alternating collection of water within and discharging water from the bubble separator column.

0) US2005284167A – COMBINATION DEHYDRATOR, DRY RETURN AIR AND COND...

53) Family number: 32514582 (US2005284167A) © PatBase

Title: COMBINATION DEHYDRATOR, DRY RETURN AIR AND CONDENSED WATER GENERATOR/DISPENSER

Priority: US20010296472P 20010608 US20020167966 20020610 US20040582304P 20040624 US20110252132 20111003 US20050150909 20050613

Family:

Publication number	Publication date	Application number	Application date
US2005284167 AA	20051229	US20050150909	20050613
US2012048119 AA	20120301	US20110252132	20111003
US8028536 BB	20111004	US20050150909	20050613
US8607583 BB	20131217	US20110252132	20111003

Probable Assignee: H20LIQUIDAIR OF FLORIDA LLC

Assignee(s):(std): H2OLIQUIDAIR OF FLORIDA LLC ; MORGAN MICHAEL ; MORGAN JANET S

Assignee(s): MIKE AND JANET MORGAN LLC ; H20LIQUIDAIR INC ; H20LIQUIDAIR INC (ALSO KNOWN LIQUID AIR INC) AS ; H20LIQUIDAIR INC ALSO KNOWN LIQUID AIR INC AS ; H20LIQUIDAIR OF FLORIDA LLC

Inventor(s):(std): MORGAN JANET S ; MORGAN MICHAEL

Inventor(s): MORGAN JANET

Agent(s): LAW OFFICES OF MARK L BERRIER; CISLO AND THOMAS LLP

International class (IPC 8–9): B01D5/00 F24F13/22 F24F5/00 F25D21/00 F25D21/14 F25D3/02 (Advanced/Invention); B01D5/00 F24F13/00 F24F5/00 F25D21/00 F25D21/14 F25D3/00 (Core/Invention)

International class (IPC 1–7): F25D21/00 F25D21/14 F25D3/02

CPC: B01D5/009 F24F5/0096 F24F13/222 Y02B10/50

European class: B01D5/00K16 E03B3/28 F24F13/22B F24F5/00T Y02B10/50

US class: 62/272 62/272P 62/285 62/285S 62/291 62/389 96/221 96/221P

Classification Explorer

Cited documents: WO9812489 A1, US8028536 BB, US7497773 BA, US7175054 BB, US6953940 BB, US6931756 BB, US6912867 BB, US6453955 BA, US6405547 BB, US6390378 BA, US6182453 BA, US6139726 A, US6058718 A, US6029461 A, US5857344 A, US5845504 A, US5766488 A, US5765726 A, US5751599 A, US5704223 A, US5701749 A, US5669221 A, US5564601 A, US5553459 A, US5517829 A, US5484538 A, US5474748 A, US5440835 A, US5398517 A, US5366705 A, US5315830 A, US5301516 A, US5259203 A, US5250258 A, US5235906 A, US5227053 A, US5203989 A, US5149446 A, US5119571 A, US5106512 A, US5087419 A, US4915261 A, US4484315 A, US4351651 A, US4255937 A, US4204956 A, US4152842 A, US4027727 A, US3915180 A, US3675442 A, US3537988 A, US3299651 A, US3289430 A, US3035418 A, US2996897 A, US2805560 A, US2799145 A, US2005284167 AA, US2005160620 AA, US2003097763 AA, US2002125269 AA, US2002011072 AA,

Forward Citations: WO16056018, US9702358, US9615604, US9593685, US9561451, US8920224, US8650892, US8607583, US8302412, US8151576, US8028536, US7886547, US7778013, US7748137, US7182222, US2016169028, US2014352333, US2013025462, US2013008196, US2012325343, US2012060531, US2011179814, US2009293513, US2009126393, US2009007582, US2008276630, US2008250809, US2008113598, US2007181000, US2007131716, US2007097604, US2006124665,

Abstract:
Source: US2005284167A A portable, combination dehydrator, dry return air and condensed water generator/dispenser configured to alternately provide water from a reservoir of condensed water or from an alternative source of water. In one embodiment, the alternative source comprises a five–gallon bottle of water and the mounting for the bottle includes a removable cover for preventing contamination of the system when the bottle is not in place. In one embodiment, the system provides purified dry make–up air to a home or office air conditioning system and dehydration cabinet, while producing pure atmospheric condensation from humidity found in the air and purifying the air and water for breathing, dispensing and drinking purposes.

0) US2005034604A – CARTRIDGE FOR THE PREPARATION OF BEVERAGES

54) Family number: 34722038 (US2005034604A) © PatBase

Title: CARTRIDGE FOR THE PREPARATION OF BEVERAGES

Priority: GB20030001710 20030124 US20030462538P 20030411 US20040763457 20040123 WO2004GB00273 20040123

Family:

Publication number	Publication date	Application number	Application date
AU2004205386 AA	20040805	AU20040205386	20040123
BRPI0406877 A	20060103	BR2004PI06877	20040123
CA2514072 AA	20050721	CA20042514072	20040123
CA2514072 C	20120807	CA20042514072	20040123
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EP1440913 A1	20040728	EP20040250384	20040123
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NO20053939 A	20051021	NO20050003939	20050823
NO20053939 A0	20050823	NO20050003939	20050823
PL204651 B1	20100129	PL20040377938	20040123
PL377938 A1	20060220	PL20040377938	20040123
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RU2337046 C2	20081027	RU20050126702	20040123
TW200420257 A	20041016	TW20040101690	20040127
TWI278298 B	20070411	TW20040101690	20040127
US2005034604 AA	20050217	US20040763457	20040123
US7328651 BB	20080212	US20040763457	20040123
WO04065257 A1	20040805	WO2004GB00273	20040123

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std)**:** HAEGERMARCK JAN ANDERS ; HALLIDAY ANDREW ; KRAFT FOODS R AND D ; CARTER STEVEN ; KRAFT FOODS R AND D INC ; KRAFT FUDZ R U D INK

Assignee(s): D INC ; DOUWE EGBERTS BV KONINKLL ; KRAFT FOODS R AMP AMP

Inventor(s):(std)**:** ANDERS HAGERMARCK JAN ; ANDERS HALLIDAY ANDREW CARTER ; ANDREW HALLIDAY ; CARTER STEVE ; CARTER STEVEN ; HAEGERMARCK JAN ANDERS ; HAGERMACK JAN ANDERS ; HAGERMARCK JAN ANDERS ; HALLIDAY ; HALLIDAY ANDREW ; JAN ANDERS HAEGERMARCK ; KARTER STIVEN ; KHEGERMARK JAN ANDERS ; KHOLLIDEHJ EHNDRJU ; STEVE CARTER

Inventor(s): STEVEN CARTER ; HALLIDAY ANDREW CARTER STEVE HAGERMARCK JAN ANDERS ; HAGERMARCK JAN

Agent(s): GRIFFITH HACK; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; FITCH EVEN TABIN AND FLANNERY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B65D81/00 A47J31/00 A47J31/06 A47J31/24 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/56 B65B29/02 B65D81/34 B65D85/804 (Advanced/Invention);
A47J31/24 A47J31/40 B65D81/00 (Advanced/Non–invention);
A47J31/06 A47J31/24 A47J31/40 A47J31/44 B65D81/00 B65D81/34 B65D85/804 (Core/Invention);
B65D (Subclass/Invention);
A47J (Subclass/Non–invention)

International class (IPC 1–7): A47J31/00 A47J31/24 A47J31/40 B65D81/00 B65D85/804

CPC: A47J31/0673 A47J31/3695 A47J31/4407 A47J31/446 A47J31/4492 A47J31/56 B65D85/8043 A47J31/407 A47J31/3633

European class: A47J31/06C A47J31/06P4B A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A1 A47J31/44A4 A47J31/44H A47J31/56 B65D81/00B3 B65D85/804B

US class: 426/115 99/279 99/279P 99/295 99/295S 99/323

Classification Explorer

Cited documents: WO9827854 A1, WO9717006 A1, WO9516377 A1, WO9507648 A1, WO8807472 A1, WO03065859 A3, WO03065859 A2, WO03059778 A3, WO03059778 A2, WO03039309 A1, WO03026470 A2, WO0228241 A1, WO0219875 A1, WO02092439 A2, WO02087400 A1, WO02085170 A3, WO02085170 A2, WO02082962 A1, WO02074661 A1, WO02074143 A2, WO0182760 A1, WO0160220 A1, WO0160219 A1, WO0158786 A1, WO0130218 A1, WO0115582 A1, WO0042891 A1, WO0028868 A1, USD489930 S1, USD479939 S1, USD475567 S1, USD461358 S1, USD460653 S1, USD459628 S1, USD452107 S1, USD443792 S1, USD423863 S1, USD419821 S1, USD255529 S1, US6758130 BB, US6698333 BB, US6655260 BB, US6645537 BB, US6612224 BB, US6607762 BB, US6606938 BB, US6405637 BA, US6358545 BA, US6347725 BA, US6289948 BA, US6279459 BA, US6245371 BA, US6240833 BA, US6240832 BA, US6186051 BA, US6182554 BA, US6178874 BA, US6178874 B1, US6173117 BA, US6173117 B1, US6170386 BA, US6170386 B1, US6142063 A, US6117471 A, US6109168 A, US6095031 A, US6082245 A, US6068871 A, US6062127 A, US6025000 A, US6021705 A, US6014611 A, US6009792 A, US6006653 A, US6000317 A, US5992298 A, US5974950 A, US5967021 A, US5948455 A, US5921168 A, US5897899 A, US5895672 A, US5862738 A, US5858437 A, US5840189 A, US5826492 A, US5794519 A, US5776527 A, US5762987 A, US5738001 A, US5704275 A, US5649472 A, US5649412 A, US5639023 A, US5638741 A, US5637335 A, US5603254 A, US5549035 A, US5531604 A, US5531152 A, US5479849 A, US5472719 A, US5463932 A, US5455887 A, US5440972 A, US5408917 A, US5398596 A, US5398595 A, US5398569 A, US5375508 A, US5349897 A, US5347916 A, US5343799 A, US5327815 A, US5325765 A, US5303639 A, US5287797 A, US5285717 A, US5272960 A, US5265520 A, US5259295 A, US5242702 A, US5197374 A, US5186096 A, US5183998 A, US5178058 A, US5134924 A, US5082676 A, US5072660 A, US5063836 A, US5014611 A, US4990352 A, US4921712 A, US4920870 A, US4917005 A, US4886674 A, US4876953 A, US4873915 A, US4853234 A, US4846052 A, US4838152 A, US4818544 A, US4806375 A, US4787299 A, US4744291 A, US4738378 A, US4724752 A, US4653390 A, US4551611 A, US4484515 A, US4472719 A, US4471689 A, US4382402 A, US3790029 A, US3403617 A, US3083101 A, US2003222089 AA, US2003145736 AA, US2003056655 AA, US2003039731 AA, US2003005826 AA, US2002148357 AA, US2002148356 AA, US2002144604 AA, US2002144603 AA, US2002129712 AA, US2002124736 AA, US2002121198 AA, US2002121197 AA, US2002088807 AA, US2002078831 AA, US2002048621 AA, US2002023543 AA, US2002015768 AA, US2002002913 AA, US2001048957 AA, US1576735 A, JP2000093309 A2, GB828529 A, GB468248 A, GB2379624 A1, GB2374856 A1, GB2374816 A1, GB2374795 A1, GB2306432 A1, GB1215840 A, FR2322796 A1, FR1537031, EP1316283 A2, EP1274332 A1, EP1255685 B1, EP1255685 A1, EP1208782 A1, EP1153561 A1, EP1101430 A1, EP1095605 A1, EP1090574 A1, EP1042978 A1, EP0904718 A1, EP0870457 A1, EP0862882 B1, EP0862882 A1, EP0756844 B1, EP0730425 B1, EP0638486 A1, EP0604615 B1, EP0524464 A1, EP0521510 A1,

EP0469162 A1, EP0455337 A1, EP0451980 A2, EP0449533 A1, EP0334572 A1, EP0334571 A1, EP0277922 A2, EP0272922 A2, EP0272922, EP0151252 A1, EP0057671 A2,

Forward Citations: WO16096954, WO15073402, WO12007257, WO11042489, WO10093246, WO09133570, WO08132571, WO07114685, USD757536, USD743786, USD743252, USD708057, USD703039, USD697797, USD695111, USD694620, USD647399, USD647398, USD637484, US9708109, US9700171, US9688465, US9669992, US9668606, US9668452, US9629495, US9565967, US9555957, US9451847, US9428329, US9428328, US9386877, US9326635, US9321546, US9290317, US9272827, US9260284, US9248954, US9247846, US9167933, US9161655, US9155420, US9114902, US9113654, US9101163, US9084509, US9027465, US9003958, US8978545, US8974846, US8960078, US8950317, US8887622, US8852659, US8771768, US8740020, US8635945, US8590753, US8590443, US8573114, US8567304, US8516948, US8361527, US8312806, US8231954, US8220382, US8203107, US8168247, US8100761, US7971748, US7946217, US7823501, US7789014, US7591391, US7419071, US2016244249, US2016242456, US2016242455, US2015257586, US2015197354, US2015157164, US2015140184, US2014322412, US2014295032, US2014109772, US2013142931, US2013068109, US2011283890, US2011166910, US2011070348, US2010163440, US2010126354, US2010107887, US2010083841, US2010055252, US2009272275, US2009272274, US2009211456, US2008264267, US2008210098, US2008202612, US2008173181, US2008087172, US2007283817, US2006174769, US2006123829, US2005056642, RU2606869, RU2598565, RU2586982, RU2527176, RU2508895, NL2002528, NL1031177, JP2014533159, JP2012513785, JP2010099482, JP2009006179, EP2537779, EP2537778, EP2345602, EP2343247, EP2332855, EP1848309, EP1837294, EP1837294, DE102009030831, CN103874440, CN102665499, CN102647929, CN101959445, AU2010305408, AU2010305408,

Abstract:
Source: US2005034604A A cartridge (containing one or more beverage ingredients and being formed from substantially air− and water−impermeable materials, the cartridge defining a storage chamber containing the one or more beverage ingredients and a manifold chamber, the cartridge comprising an opening through which the one or more beverage ingredients can be filled into the storage chamber, the opening being closed by a lid having a first portion overlying the manifold chamber and a second portion overlying the storage chamber, wherein the first portion of the lid is pierceable in use to accommodate an inflow of an aqueous medium into the manifold chamber and the lid is pierceable in use to accommodate an outflow of beverage formed from interaction of the aqueous medium and the one or more beverage ingredients in the storage chamber.

0) US2014360891A – SYSTEM AND METHOD FOR USING ADSORBENT/ABSORBENT...

55) Family number: 57561216 (US2014360891A) © PatBase

Title: SYSTEM AND METHOD FOR USING ADSORBENT/ABSORBENT IN LOADING, STORING, DELIVERING, AND RETRIEVING GASES, FLUIDS, AND LIQUIDS

Priority: US20130851681P 20130312 US20140206963 20140312

Family:

Publication number	Publication date	Application number	Application date
TW201534540 A	20150916	TW20140131576	20140912
US2014360891 AA	20141211	US20140206963	20140312
WO14165167 A1	20141009	WO2014US24623	20140312

Probable Assignee: KLINE BRET E

Assignee(s):(std)**:** KLINE BRET E ; NEW DELMAN MITCHELL J ; SANDERS JOHN A

Inventor(s):(std)**:** KLINE BRET E ; NEW DELMAN MITCHELL J ; SANDERS JOHN A

Agent(s): CHWANG T LING ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B65D85/00 F17C11/00 (Advanced/Invention)

CPC: B65D85/70 F17C11/00 F17C11/005

US class: 206/0.7

Locarno class: 20/67

Classification Explorer

Cited documents: WO10091171 A1, WO08149897 A1, WO0144737 A1, US6015041 A, US4819718 A, US4667815 A, US4609038 A, US4196525 A, US2013220479 AA, US2012222972 AA, US2006266219 AA, US2003209149 AA,

Forward Citations: WO15169738, WO15142862, US9561893, US2016010353, US2015158652, DE102014006367, DE102014006366, CN105090742,

Abstract:
Source: US2014360891A A system and method for placing as much of adsorbent/absorbent as possible in a container to allow for the maximal adsorption or absorption of targeted molecular constituents in gases, fluids, liquids or mixture thereof. A system and method for loading, unloading, packing, storing, delivering, and retrieving gases, fluids, liquids, or mixtures thereof. A system for containing, loading, storage, delivery, and retrieval of gases, fluids, liquids, or mixtures thereof, containing a molecular density adsorbent/absorbent material; one or more Lattices each containing the molecular density adsorbent/absorbent material; wherein each of the one or more Lattices permits circulation of air flow from more than two sides to allow for adsorption, absorption or desorption of a constituent in the gases, fluids, liquids, or mixture thereof; and wherein the one or more Lattices is housed within a Vessel. A system for containing, loading, storage, delivery and retrieval of gases, fluids, liquids, or mixtures thereof, having a molecular density adsorbent/absorbent material; and one or more Lattices each containing the molecular density adsorbent/absorbent material; wherein the one or more Lattices is housed within a Cartridge wherein the Cartridge is placed within a Vessel.

0) US2007163446A – INSERT, A MACHINE AND A SYSTEM FOR THE PREPARAT...

56) Family number: 30501073 (US2007163446A) © PatBase

Title: INSERT, A MACHINE AND A SYSTEM FOR THE PREPARATION OF BEVERAGES

Priority: EP20050708301 20050211 GB20040003493 20040217 WO2005GB00476 20050211

Family:

Publication number	Publication date	Application number	Application date
AT496563 E	20110215	AT20050708301T	20050211
AU2005215203 AA	20050901	AU20050215203	20050211
BRPI0507788 A	20070717	BR2005PI07788	20050211
CA2555775 AA	20060808	CA20052555775	20050211
CA2555775 C	20131029	CA20052555775	20050211
CN1976613 A	20070606	CN200580011598	20050211
CN1976613 B	20110706	CN200580011598	20050211
DE602005026102 D1	20110310	DE200560026102T	20050211
DK1715779 T3	20110321	DK20050708301T	20050211
EP1715779 A2	20061102	EP20050708301	20050211
EP1715779 B1	20110126	EP20050708301	20050211
ES2357897 T3	20110503	ES20050708301T	20050211
GB200403493 A0	20040324	GB20040003493	20040217
GB2413479 A1	20051102	GB20040003493	20040217
GB2413479 B2	20060628	GB20040003493	20040217
HK1107237 A1	20120518	HK20070112933	20071127
HK1107237 A3	20080403	HK20070112933	20071127
JP2007521936 T2	20070809	JP20060553643T	20050211
JP4607129 B2	20110105	JP20060553643T	20050211
KR20060129473 A	20061215	KR20067018970	20050211
RU2006133311 A	20080410	RU20060133311	20050211
RU2363367 C2	20090810	RU20060133311	20050211
SI1715779 T1	20110429	SI20050031233T	20050211
US2007163446 AA	20070719	US20050589459	20050211
US8033211 BB	20111011	US20050589459	20050211
WO05079639 A2	20050901	WO2005GB00476	20050211
WO05079639 A3	20060323	WO2005GB00476	20050211

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std)**:** BALLARD COLIN DARREL ; HALLIDAY ANDREW MICHAEL ; HANSEN NICHOLAS ANDREW ; KRAFT FOODS R AND D INC ; PANESAR SATWINDER SINGH ; KRAFT FUDZ R UND D INK

Assignee(s): KRAFT FOODS R AND D ; KRAFT FUDZ R U D INK ; KRAFT FOODS R AMP AMP ; D INC ; DOUWE EGBERTS BV KONINKLL

Inventor(s):(std)**:** HALLIDAY ANDREW MICHAEL ; HANSEN NICHOLAS ANDREW ; KHANSEN NIKOLAS EHNDRJU ; KHOLLIDEHJ EHNDRJU MAJKL ; PANESAR SATVINDER SINGKH ; PANESAR SATWINDER SINGH ; SATWINDER SINGH PANESAR ; NICHOLAS ANDREW HANSEN ; COLIN DARREL BALLARD ; ANDREW MICHAEL HALLIDAY ; BALLARD COLIN DARREL ; BOLLARD KOLIN DARREL ; HALLIDAY ANDREW M HANSEN NICHO ; PANESAR SATWINDER S ; HANSEN NICHOLAS A ; HALLIDAY ANDREW M ; BALLARD COLIN D

Inventor(s): HALLIDAY ANDREW M HANSEN NICHOLAS A BALLARD COLIN ; PANESAR SATWINDER SINGH KRAFT FOODS UK LTD ; HANSEN NICHOLAS ANDREW KRAFT FOODS UK LTD ; HALLIDAY ANDREW MICHAEL KRAFT FOODS UK LTD ; BALLARD COLIN DARREL KRAFT FOODS UK LTD

Agent(s):

GRIFFITH HACK; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; THOMSON NEIL DAVID; FITCH EVEN TABIN AND FLANNERY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47J31/00 A47J31/057 A47J31/06 A47J31/32 A47J31/34 A47J31/36 A47J31/40 A47J31/44 (Advanced/Invention);
A23L1/00 A47J31/06 A47J31/40 (Advanced/Non–invention);
A47J31/00 A47J31/04 A47J31/06 A47J31/24 A47J31/40 (Core/Invention);
A47J (Subclass/Invention)

International class (IPC 1–7): A47J31/06 A47J31/32 A47J31/40 A47J31/44

CPC: A47J31/3695 A47J31/0673 A47J31/4492 A47J31/06 A47J31/40

European class: A47J31/06C A47J31/06P4B A47J31/32 A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44 A47J31/44H

US class: 99/279 99/279P 99/285 99/295

Classification Explorer

Cited documents: WO9827854 A1, WO9717006 A1, WO9516377 A1, WO9507648 A1, WO8807472 A1, WO03065859 A3, WO03065859 A2, WO03059778 A3, WO03059778 A2, WO03039309 A1, WO03026470 A2, WO0228241 A1, WO0219875 A1, WO02092439 A2, WO02087400 A1, WO02085170 A3, WO02085170 A2, WO02082962 A1, WO02074661 A1, WO02074143 A2, WO0182760 A1, WO0160220 A1, WO0160219 A1, WO0158786 A1, WO0130218 A1, WO0115582 A1, WO0042891 A1, WO0028868 A1, USD489930 S1, USD479939 S1, USD475567 S1, USD461358 S1, USD460653 S1, USD459628 S1, USD452107 S1, USD443792 S1, USD423863 S1, USD419821 S1, USD255529 S1, US6968775 BB, US6935222 BB, US6857353 BB, US6786136 BB, US6777007 BB, US6758130 BB, US6698333 BB, US6698332 BB, US6655260 BB, US6645537 BB, US6644173 BB, US6612224 BB, US6607762 BB, US6606938 BB, US6499388 BB, US6405637 BA, US6358545 BA, US6347725 BA, US6289948 BA, US6279459 BA, US6245371 BA, US6240833 BA, US6240832 BA, US6186051 BA, US6182554 BA, US6178874 B1, US6173117 B1, US6170386 B1, US6142063 A, US6117471 A, US6109168 A, US6095031 A, US6082245 A, US6068871 A, US6062127 A, US6025000 A, US6021705 A, US6009792 A, US6006653 A, US6000317 A, US5992298 A, US5974950 A, US5967021 A, US5948455 A, US5921168 A, US5899137 A, US5897899 A, US5895672 A, US5862738 A, US5858437 A, US5840189 A, US5826492 A, US5794519 A, US5776527 A, US5762987 A, US5738001 A, US5704275 A, US5649472 A, US5649412 A, US5639023 A, US5638741 A, US5638740 A, US5637335 A, US5603254 A, US5549035 A, US5531604 A, US5531152 A, US5479849 A, US5472719 A, US5463932 A, US5455887 A, US5440972 A, US5408917 A, US5398596 A, US5398595 A, US5375508 A, US5349897 A, US5347916 A, US5343799 A, US5327815 A, US5325765 A, US5303639 A, US5287797 A, US5285717 A, US5272960 A, US5265520 A, US5259295 A, US5242702 A, US5197374 A, US5186096 A, US5183998 A, US5178058 A, US5134924 A, US5111740 A, US5082676 A, US5072660 A, US5063836 A, US5014611 A, US4990352 A, US4983410 A, US4921712 A, US4920870 A, US4917005 A, US4886674 A, US4876953 A, US4875408 A, US4873915 A, US4853234 A, US4846052 A, US4838152 A, US4818544 A, US4806375 A, US4787299 A, US4775048 A, US4744291 A, US4738378 A, US4724752 A, US4653390 A, US4551611 A, US4484515 A, US4471689 A, US4452130 A, US4389191 A, US4382402 A, US3823656 A, US3790029 A, US3403617 A, US3336857 A, US3083101 A, US2899106 A, US2778739 A, US2715868 A, US2243895 A, US2004197444 AA, US2003222089 AA, US2003145736 AA, US2003056655 AA, US2003039731 AA, US2003005826 AA, US2002148357 AA, US2002148356 AA, US2002144604 AA, US2002144603 AA, US2002129712 AA, US2002124736 AA, US2002121198 AA, US2002121197 AA, US2002088807 AA, US2002078831 AA, US2002048621 AA, US2002023543 AA, US2002015768 AA, US2002002913 AA, US2001048957 AA, US1576735 A, NL1020835 C2, JP2000093309, GB828529 A, GB468248 A, GB2379624 A1, GB2374856 A1, GB2374816 A1, GB2374795 A1, GB2306432 A1, GB1215840 A, FR2322796 A1, FR1537031, EP1316283 A2, EP1255685 B1, EP1208782 A1, EP1153561 A1, EP1101430 A1, EP1095605 A1, EP1090574 A1, EP1042978 A1, EP0904718 A1, EP0870457 A1, EP0862882 B1, EP0862882 A1, EP0756844 B1, EP0730425 B1, EP0638486 A1, EP0604615 B1, EP0524464 A1, EP0521510 A1, EP0469162 A1, EP0455337 A1, EP0451980 A2, EP0449533 A1, EP0334572 A1, EP0334571 A1, EP0272922 A2, EP0151252 A1, EP0057671 A2, DE20121494 U1,

Forward Citations: WO14158841, WO14014820, WO14014820, WO11000723, WO11000723, WO08046740, USD744067, USD736897, USD717399, USD717398, US9708109, US9669992, US9272827, US9265375, US9260284, US9161654, US9114902, US9027466, US8993018, US8960078, US8936819, US8877270, US8833241, US8752575, US8740020, US8677888, US8609170, US8590753, US8468934, US8250972, US2016244249, US2016242456, US2016242455, US2015257586, US2014345472, US2014314926, US2014170278, US2013319034, US2013055905, US2012211521, US2012097040, US2011052766, US2011020508, US2010300299, US2010181378, US2010139496, US2010055252, RU2607315, RU2589436, KR101284549, KR101284257, JP5015952, JP2009520552, ITMI20120792, GB2480829, GB2480829, EP2559361, EP2157895, DE102011080092, CN102985324, CN102470978,

Abstract:
Source: US2007163446A An insert for use in a beverage preparation machine of a type comprising a brew head suitable for receiving a rigid or semi−rigid cartridge. The brew head comprises an upwardly directed inlet for supplying water to the brew head and a downwardly directed outlet for outflow of beverage produced by the machine, the insert comprises an upper part, a lower part and sealing means, the upper and lower parts being moveable between an open configuration in which a quantity of beverage ingredients may be loaded into the insert and a closed configuration in which the upper and lower parts are sealed together by the sealing means to define therebetween a brewing volume containing. In use, the quantity of beverage ingredients, the lower part comprising an inlet and an outlet arranged to communicate respectively with the inlet and outlet of the brew head of the beverage preparation machine when the insert is inserted into the machine such that, in use, water from the inlet of the brew head passes upwardly through the inlet of the insert into the brewing volume and such that beverage produced from the water and the quantity of beverage ingredients passes downwardly through the outlet of the insert to flow out of the outlet of the brew head.

0) US2002134091A – PORTABLE LIQUID COOLER

57) Family number: 28280036 (US2002134091A) © PatBase

Title: PORTABLE LIQUID COOLER

Priority: US20010268172P 20010212 US20020073821 20020211 US20070673654 20070212 WO2002US04029 20020211

Family:

Publication number	Publication date	Application number	Application date
AU2002242154 AA	20020828	AU20020242154	20020211
US2002134091 AA	20020926	US20020073821	20020211
US2008098767 AA	20080501	US20070673654	20070212
US7174723 BB	20070213	US20020073821	20020211
US7497087 BB	20090303	US20070673654	20070212
WO02065032 A1	20020822	WO2002US04029	20020211
WO02065032 C1	20030220	WO2002US04029	20020211

Probable Assignee: MOLFESE PHILIP

Assignee(s):(std)**:** MOLFESE PHILIP

Inventor(s):(std)**:** MOLFESE PHILIP

Inventor(s): PHILIP MOLFESE

Agent(s): DOUGLAS A BOEHM

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

International class (IPC 8–9): F25D13/06 F25D23/04 F25D25/00 F25D25/02 F25D3/08 F25D3/14 F25D31/00 (Advanced/Invention); F25D23/12 F25D3/08 (Advanced/Non–invention); F25D23/04 F25D3/00 F25D31/00 (Core/Invention); F25D23/12 F25D3/00 (Core/Non–invention)

International class (IPC 1–7): F25D25/00 F25D3/00 F25D3/02 F25D3/08

CPC: F25D3/08 F25D23/04 F25D23/126 F25D31/007 F25D2331/805

European class: F25D23/04 F25D31/00H2 R25D23/12B R25D3/08 R25D331/805

US class: 62/293 62/293S 62/372 62/379 62/379S 62/381 62/457.4 62/457.400P 62/62 62/62P 62/63

Classification Explorer

Cited documents: USD405650 S1, US6449958 BA, US6397624 BA, US6378313 BB, US6347524 BA, US6327871 BA, US6314751 BA, US6065303 A, US5983662 A, US5881567 A, US5845501 A, US5505054 A, US5421159 A, US5361604 A, US5327817 A, US5272890 A, US4825665 A, US4580405 A, US4549409 A, US4420943 A, US4344303 A, US4164851 A, US3316734 A, US2216762 A, US2028825 A,

Forward Citations: USD735250, US9080803, US8919138, US7785641, US7182222, US2013206779, US2011167839, US2007131716, US2006124665, US2005142269, US2005142268, JP2014020641, JP2010071539, EP3098546, EP1482263, EP1482263,

Abstract:
Source: US2002134091A A liquid cooler is disclosed that includes a housing and at least two heatsinks attached with the housing. The heatsinks each include a top wall with an inwardly facing wall, a bottom wall with an inner surface, interior sidewalls and an interior lower wall. The inner surface is formed to surround and contact a portion of an outer surface of a container. The inwardly facing wall, the interior sidewalls, and the interior lower wall define a cavity. The interior lower wall of the cavity includes at least one heat fin. An outer covering is included and surrounds the heatsink. A method of rotation is provided to rotate the heatsink and the outer covering.

58) Family number: 15431862 (US6261447B)

© PatBase

Title:	Portable, automatic, steam pressurized water filtration system
Priority:	US19990415768 19991008

Family:

Publication number	Publication date	Application number	Application date
US6261447 BA	20010717	US19990415768	19991008

Probable Assignee:	DATO GREGORY
Assignee(s):	DATO GREGORY ; HOWARD GEOFFREY S ; PRINCE STEWART ; VAN HERLE PHILIPPE J
Inventor(s):(std)**:**	DATO GREGORY ; HOWARD GEOFFREY S ; PRINCE STEWART ; VAN HERLE PHILIPPE J
International class (IPC 8–9)**:**	A47J27/04 B01B1/00 C02F1/00 (Advanced/Invention); C02F1/02 (Advanced/Non–invention); A47J27/04 B01B1/00 C02F1/00 (Core/Invention); C02F1/02 (Core/Non–invention)
International class (IPC 1–7)**:**	B01D35/00
CPC:	A47J27/04 A47J2027/043 B01B1/005 C02F1/002 C02F1/003 C02F1/02
European class:	A47J27/04 B01B1/00B C02F1/00D2 C02F1/00D4 K47J27/04C M02F1/02
US class:	210/175 210/180 210/186 210/257.1 210/416.3 210/473 219/440 99/300
Classification Explorer	
Cited documents:	US4957624 A, US4604948 A, US4582047 A, US417372 A, US396234 A,
Forward Citations:	US9399548, US8313644, US7914675, US7281467, US2009266761, US2005279215, US2004140270,

Abstract:
Source: US6261447B A water filtration system which utilizes steam pressure to provide energy for the pumping process, has a boiler (1) which shall be used to develop steam (19) and shall be heated by a stove (27). The steam produced shall flow through a steam tube (7) and into a water bottle (9) which contains contaminated water (21) to be filtered and wherein floating insulation (17) exists to thermally isolate the steam from the water. The steam pressure in the water bottle shall force the water out through a water tube (25) and then through a water filter (23) at which point potable water will be available to the user.

0) US2002190078A – BACKPACK FOR SEMI–FROZEN PARTICULATE PRODUCTS

59) Family number: 28286708 (US2002190078A) © PatBase

Title: BACKPACK FOR SEMI–FROZEN PARTICULATE PRODUCTS

Priority: EP20010302743 20010326

Family:

Publication number	Publication date	Application number	Application date
US2002190078 AA	20021219	US20020104466	20020322
WO02076233 A1	20021003	WO2002EP03361	20020322

Probable Assignee: GOOD HUMOR BREYERS ICE CREAM DIVISION OF CONOPCO INC

Assignee(s):(std)**:** GOOD HUMOR BREYERS ICE CREAM D ; GOOD HUMOR BREYERS ICE CREAM DIVISION CONOPCO INC ; LEVER HINDUSTAN LTD ; UNILEVER NV ; UNILEVER PLC

Assignee(s): GOOD HUMOR BREYERS ICE CREAM DIVISION OF CONOPCO I ; GOOD HUMOR BREYERS ICE CREAM DIVISION OF CONOPCO INC ; HINDUSTAN LEVER LIMITED

Inventor(s):(std)**:** ADOLPHI ULRICH ; COCKINGS TERENCE RICHARD ; JULIO SERGIO MAURICIO EHRHARDT ; LUCK RICHARD HENRY

Inventor(s): JULIO SERGIO MAURICIO EHRHARDT FERREIRA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

International class (IPC 8–9): A23G9/28 B65D81/38 (Advanced/Invention); A23G9/04 B65D81/38 (Core/Invention)

International class (IPC 1–7): A23G9/28 B65D35/22 B65D35/56 B65D83/14 B67D5/02 B67D5/62

CPC: A23G9/28 B65D81/3823

European class: A23G9/28 B65D81/38B4

US class: 222/105 222/94

Classification Explorer

Cited documents: US6098849 A, US6089477 A, US6082589 A, US6056949 A, US4817827 A, US4629098 A, US4215803 A, US2684787 A, DE3323898 A1,

Forward Citations: US7017779, US2010313595, US2005258195,

Abstract:
Source: US2002190078A A backpack for dispensing a semi–frozen material comprising discrete granules by gravity flow comprising; a) an insulated hopper for storage of the material before it is dispensed which includes in its operative position i) a housing for receiving the granular material and ii) a funnel disposed to receive the granular material from the housing under the action of gravity; b) mounting means for mounting the hopper on a person in said operative position; c) an insulated valve operative to control release of the granular material from an opening in the funnel; d) an elongate flexible feed tube having in operative connection with the funnel opening such that when the valve allows release of the granular material form the opening, the material falls under gravity into the feed tube, and e) an outlet port at end of the feed tube and configured to allow directed dispensing of the granular material.

60) Family number: 34722039 (US2004180119A) © PatBase

Title: CARTRIDGE AND METHOD FOR THE PREPARATION OF BEVERAGES

Priority: EP20040250364 20040123 EP20040250381 20040123 US20030462538P 20030411 GB20030001739 20030124 GB20030001738 20030124 GB20030001745 20030124 US20040763376 20040123 US20040763915 20040123 US20040763908 20040123 WO2004GB00276 20040123

Family:

Publication number	Publication date	Application number	Application date
AU2004205388 AA	20040805	AU20040205388	20040123
BRPI0406887 A	20060103	BR2004PI06887	20040123
CA2513719 AA	20050719	CA20042513719	20040123
CA2513719 C	20120925	CA20042513719	20040123
CN100537369 C	20090909	CN200480007267	20040123
CN1761603 A	20060419	CN200480007267	20040123
DE602004001139 D1	20060727	DE200460001139T	20040123
DE602004001139 T2	20070419	DE200460001139T	20040123
DE602004001139 T3	20140403	DE200460001139T	20040123
DE602004003597 D1	20070125	DE200460003597T	20040123
DE602004003597 T2	20070524	DE200460003597T	20040123
DE602004003597 T3	20110303	DE200460003597T	20040123
DE602004005249 D1	20070426	DE200460005249T	20040123
DE602004005249 T2	20070823	DE200460005249T	20040123
DE602004005249 T3	20130620	DE200460005249T	20040123
DK1440910 T3	20060925	DK20040250381T	20040123
EP1440907 A2	20040728	EP20040250364	20040123
EP1440907 A3	20040908	EP20040250364	20040123
EP1440907 B1	20070314	EP20040250364	20040123
EP1440907 B2	20130213	EP20040250364	20040123
EP1440909 A1	20040728	EP20040250377	20040123
EP1440909 B1	20061213	EP20040250377	20040123
EP1440909 B2	20101103	EP20040250377	20040123
EP1440910 A1	20040728	EP20040250381	20040123
EP1440910 B1	20060614	EP20040250381	20040123
EP1440910 B2	20131120	EP20040250381	20040123
GB200301738 A0	20030226	GB20030001738	20030124
GB200301739 A0	20030226	GB20030001739	20030124
GB200301745 A0	20030226	GB20030001745	20030124
GB2397505 A1	20040728	GB20030001738	20030124
GB2397505 B2	20060104	GB20030001738	20030124
GB2397506 A1	20040728	GB20030001739	20030124
GB2397506 B2	20050810	GB20030001739	20030124
GB2397508 A1	20040728	GB20030001745	20030124
GB2397508 B2	20041222	GB20030001745	20030124
HK1065755 A1	20070119	HK20040108562	20041101
HK1065755 A3	20050304	HK20040108562	20041101
JP2006518607 T2	20060817	JP20060500238T	20040123
JP4227170 B2	20090218	JP20060500238T	20040123
KR101073757 B1	20111013	KR20057013564	20040123

KR20050107744 A	20051115	KR20057013564	20040123	
LT2005075 A	20060627	LT20050000075	20050823	
MXPA05007862 A1	20051018	MX2005PA07862	20040123	
NO20053934 A	20051024	NO20050003934	20050823	
NO20053934 A0	20050823	NO20050003934	20050823	
PL205266 B1	20100331	PL20040377945	20040123	
PL377945 A1	20060220	PL20040377945	20040123	
RU2005126712 A	20060610	RU20050126712	20040123	
RU2365533 C2	20090827	RU20050126712	20040123	
US2004180119 AA	20040916	US20040763915	20040123	
US2004191370 AA	20040930	US20040763376	20040123	
US2004191371 AA	20040930	US20040763908	20040123	
US7322277 BB	20080129	US20040763915	20040123	
US7533604 BB	20090519	US20040763908	20040123	
US7592027 BB	20090922	US20040763376	20040123	
WO04065258 A2	20040805	WO2004GB00276	20040123	
WO04065258 A3	20041202	WO2004GB00276	20040123	

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std)**:** GOMEZ MARIA ; HALLIDAY ANDREW ; KRAFT FOODS R AND D ; BALLARD COLIN ; KRAFT FOODS R AND D INC ; KRAFT FOODS R AND D INC N D GES ; KRAFT FOODS R AND D INC N D GES D STAATES DELAWARE ; PANESAR SATWINDER ; KRAFT FUDZ R U D INK

Assignee(s): KRAFT FOODS R AND D INC NDGESDSTAATES DELAWARE ; KRAFT FOODS R AND D INC N D GES D STAATES DELAWA ; D INC ; DOUWE EGBERTS BV KONINKLL ; KRAFT FOODS R AMP AMP

Inventor(s):(std)**:** BALLARD COLIN ; BALLARD COLIN DARREL ; COLIN BALLARD ; GOMEZ MARIA ; HALLIDAY ANDREW ; HALLIDAY ANDREW MICHAEL ; MARIA GOMEZ ; PANESAR SATVINDER ; PANESAR SATWINDER ; PANESAR SATWINDER SINGH ; SATWINDER GOMEZ MARIA HALLIDAY ; SATWINDER PANESAR ; ANDREW HALLIDAY ; KHOLLIDEHJ EHNDRJU ; GOMES MARIJA ; BOLLARD KOLIN

Inventor(s): ANDREW MICHAEL HALLIDAY ; SATWINDER SINGH PANESAR ; GOMEZ MARIA HALLIDAY ANDREW BALLARD COLIN ; GOMEZ MARIA HALLIDAY ANDREW BALLARD COLIN PANESARS ; GOMEZ MARIA HALLIDAY ANDREW BALLARD COLIN PANESARSATWINDER ; COLIN DARREL BALLARD

Agent(s): GRIFFITH HACK; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; Thomson Neil David; THOMSON NEIL DAVID; FITCH EVEN TABIN AND FLANNERY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47J31/00 A47J31/06 A47J31/24 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/56 B65B29/02 B65B43/42 B65B59/00 B65D81/00 B65D81/34 B65D85/00 B65D85/72 B65D85/804 B67D1/00 (Advanced/Invention);
A47J31/40 B65B43/42 B65D81/00 B67D1/00 (Advanced/Non–invention);
A47J31/06 A47J31/24 A47J31/40 A47J31/44 B65B43/42 B65B59/00 B65D81/00 B65D81/34 B65D85/804 (Core/Invention);
B67D1/00 (Core/Non–invention);
B65D (Subclass/Invention);
A47J (Subclass/Non–invention)

International class (IPC 1–7): A23B4/00 A47J31/36 A47J31/40 B65B43/42 B65B59/00 B65D81/00 B65D85/804

CPC: A47J31/0673 A47J31/3695 A47J31/4492 B65D85/8043 B67D2001/0812 A47J31/4407 A47J31/446 A47J31/56 A47J31/3623 A47J31/407

European class: A47J31/06C A47J31/06P4B A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A1 A47J31/44A4 A47J31/44H A47J31/56 B65D81/00B3 B65D85/804B L67D1/08A32

US class: 426/112 426/112P 426/432 426/433 426/435 426/594 426/597 426/77 426/80 426/82 426/83 99/295 99/323

Classification Explorer

Cited documents: WO9827854 A1, WO9717006 A1, WO9516377 A1, WO9507648 A1, WO8807472 A1, WO03073896 A1, WO03065859 A3, WO03065859 A2, WO03059778 A3, WO03059778 A2, WO03039309 A1, WO03026470 A2, WO0274661, WO0244956 A1, WO0228241 A1, WO0219875 A1, WO02092439 A2, WO02087400 A1, WO02085170 A3, WO02085170 A2, WO02082962 A1, WO02074661 A1, WO02074143 A2, WO0182760 A1, WO0160220 A1, WO0160219 A1, WO0158786 A1, WO0130218 A1, WO0115582 A1, WO0042891 A1, WO0028868 A1, USD489930 S1, USD479939 S1, USD475567 S1, USD461358 S1, USD460653 S1, USD459628 S1, USD452107 S1, USD443792 S1, USD423863 S1, USD419821 S1, USD255529 S1, US6849285 BB, US6799503 BB, US6655260 BB, US6645537 BB, US6612224 BB, US6607762 BB, US6606938 BB, US6405637 BA, US6358545 BA, US6347725 BA, US6289948 BA, US6279459 BA, US6245371 BA, US6240833 BA, US6240832 BA, US6186051 BA, US6182554 BA, US6178874 BA, US6178874 B1, US6173117 BA, US6173117 B1, US6170386 BA, US6170386 B1, US6142063 A, US6117471 A, US6109168 A, US6095031 A, US6082245 A, US6068871 A, US6062127 A, US6025000 A, US6021705 A, US6009792 A, US6006653 A, US6000317 A, US5992298 A, US5974950 A, US5967021 A, US5948455 A, US5921168 A, US5897899 A, US5895672 A, US5862738 A, US5858437 A, US5840189 A, US5826492 A, US5794519 A, US5776527 A, US5762987 A, US5738001 A, US5704275 A, US5649472 A, US5649412 A, US5639023 A, US5638741 A, US5637335 A, US5603254 A, US5549035 A, US5531604 A, US5531152 A, US5479849 A, US5472719 A, US5463932 A, US5455887 A, US5440972 A, US5408917 A, US5398596 A, US5398595 A, US5375508 A, US5349897 A, US5347916 A, US5343799 A, US5327815 A, US5327814 A, US5325765 A, US5303639 A, US5287797 A, US5285717 A, US5272960 A, US5265520 A, US5259295 A, US5242702 A, US5197374 A, US5186096 A, US5183998 A, US5178058 A, US5134924 A, US5082676 A, US5072660 A, US5063836 A, US5014611 A, US4990352 A, US4921712 A, US4920870 A, US4917005 A, US4886674 A, US4876953 A, US4873915 A, US4867993 A, US4853234 A, US4846052 A, US4838152 A, US4818544 A, US4806375 A, US4787299 A, US4744291 A, US4738378 A, US4724752 A, US4653390 A, US4551611 A, US4484515 A, US4471689 A, US4382402 A, US3833740 A, US3805999 A, US3790029 A, US3403617 A, US3083101 A, US2004228955 AA, US2003222089 AA, US2003145736 AA, US2003066431 AA, US2003056655 AA, US2003039731 AA, US2003005826 AA, US2002148357 AA, US2002148356 AA, US2002144604 AA, US2002144603 AA, US2002129712 AA, US2002124736 AA, US2002121198 AA, US2002121197 AA, US2002088807 AA, US2002078831 AA, US2002048621 AA, US2002023543 AA, US2002015768 AA, US2002002913 AA, US2001048957 AA, US2001019735 AA, US1576735 A, KR20020028977 A, JP2000093309, GB828529 A, GB468248 A, GB2379624 A1, GB2374856 A1, GB2374816 A1, GB2374795 A1, GB2306432 A1, GB1215840 A, FR2322796 A1, FR1537031 A, ES200201558 A1, ES0300104, EP1541070 A1, EP1316283 A2, EP1274332 A1, EP1255685 B1, EP1255685 A1, EP1208782 A1, EP1153561 A1, EP1101430 A1, EP1095605 A1, EP1090574 A1, EP1042978 A1, EP0904719 A1, EP0904718 A1, EP0870457 A1, EP0862882 B1, EP0862882 A1, EP0756844 B1, EP0756844 A1, EP0730425 B1, EP0638486 A1, EP0604615 B1, EP0524464 A1, EP0521510 A1, EP0469162 A1, EP0455337 A1, EP0451980 A2, EP0449533 A1, EP0334572 A1, EP0334571 A1, EP0272922 A2, EP0151252 A1, EP0057671 A2,

Forward Citations: WO16014562, WO14167373, WO13122460, WO13114202, WO13114200, WO13038165, WO10142417, WO10093247, WO10093246, WO09050540, WO08144462, WO08113779, WO08113779, WO08078990, WO08078988, WO08077693, WO06100570, WO06045515, USD743786, USD743252, USD703039, USD695111, USD694620, USD647399, USD647398, USD637484, US9708109, US9669992, US9668606, US9668452, US9598231, US9561900, US9555957, US9504348, US9451847, US9445686, US9439532, US9387978, US9386877, US9272827, US9260284, US9248954, US9167933, US9114902, US9113654, US9101163, US9084509, US8974846, US8950317, US8936819, US8887622, US8852659, US8844427, US8814000, US8771768, US8770093, US8740020, US8651012, US8647691, US8590753, US8567304, US8512776, US8434642, US8424447, US8361527, US8304006, US8291811, US8231954, US8202560, US8168247, US8162176, US7993691, US2016244249, US2016242456, US2016242455, US2015257586, US2015157169, US2014322412, US2014170278, US2014109772, US2012282376, US2012207893, US2012177794, US2012000933, US2011183048, US2011166910, US2011070348, US2010147873, US2010107887, US2010055252, US2009317518, US2009235827, US2008264267, US2007224319, US2006110507, RU2619009, RU2615950, RU2613744, RU2609880, RU2570778, RU2540879, RU2493764, NL2002528, NL2000400, KR101492178, KR101492177, KR101321092, KR101233526, JP6111383, JP4891078, JP2015163194, JP2014504900, JP2010531157, JP2007503231, ITMI20082282, EP2583595, EP2566784, EP2566784, EP2298671, EP2233051, EP2194824, EP2067423, EP1975087, EP1975087, EP1816935, EP1704803, EP1700548,

EP1654966, EP1510160, DE102010014223, DE102010014223, DE102009030831, DE102007058375, DE102007032287, DE102006060746, CN104334059, CN104220346, CN104220346, CN104168804, CN102958816, CN102665499, CN102481064, CN102481064, AU2013221013, AU2011250625,

Abstract:
Source: US2004180119A A cartridge containing one or more liquid beverage ingredients and being formed from substantially air– and water–impermeable materials, the cartridge comprising an inlet for the introduction of an aqueous medium into the cartridge, a compartment containing the one or more liquid beverage ingredients and an outlet for a beverage produced by dilution of the one or more liquid beverage ingredients by the aqueous medium, characterised in that the compartment includes means for controlling dilution of at least a proportion of the one or more liquid beverage ingredients on introduction of the aqueous medium into the compartment.

0) DE102015115648A1 – STROMLOSE UMSCHALTUNG ELECTROLESS SWITCHING ...

61) Family number: 65157465 (DE102015115648A1) © PatBase

Title: STROMLOSE UMSCHALTUNG ELECTROLESS SWITCHING (Machine translation)

Priority: DE201510115648 20150916

Family:

Publication number	Publication date	Application number	Application date
DE102015115648 A1	20170316	DE201510115648	20150916

Probable Assignee: BORCHERT STEFAN

Assignee(s):(std)**:** BORCHERT STEFAN

Inventor(s):(std)**:** BORCHERT STEFAN

International class (IPC 8–9)**:** E03C1/02 E03D5/00 (Advanced/Invention)

CPC: E03C1/02 E03D5/00 E03B7/045 E03B11/02 E03B2011/005 E03C1/0408 E03D1/22 E03D1/32 E03D1/36 F16K31/18

Classification Explorer

Cited documents: GB2325253 A1, DE19916001 A1, DE10057592 A1,

Abstract:
Source: DE102015115648A1 Die vorliegende Erfindung betrifft eine Vorrichtung zum selbsttaetigen stromlosen Umschalten einer Fluessigkeitsabgabe zwischen zwei Abgabeeinrichtungen, wobei die Vorrichtung eine erste Abgabeeinrichtung in Form eines Sammelbehaeltnisses (16) aufweist und mit einer zweiten Abgabeeinrichtung verbindbar ist, wobei die Vorrichtung eine Messeinrichtung zum Erfassen des Fuellstands des Sammelbehaeltnisses (16) aufweist und eine Umschalteinrichtung (26, 27) zum mechanischen Umschalten der Fluessigkeitsabgabe zwischen erster und zweiter Abgabeeinrichtung in Abhaengigkeit vom erfassten Fuellstand, welche so eingerichtet ist, dass sie im Betrieb bei einem Erreichen und/oder ueberschreiten eines vorbestimmten oberen Fuellstands die Fluessigkeitsabgabe aus der zweiten Abgabeeinrichtung unterbricht und die Fluessigkeitsabgabe aus der ersten Abgabeeinrichtung oeffnet und bei einem Unterschreiten eines vorbestimmten unteren Fuellstands die Fluessigkeitsabgabe aus der ersten Abgabeeinrichtung unterbricht und die Fluessigkeitsabgabe aus der zweiten Abgabeeinrichtung oeffnet. The present invention relates to a device for automatic power–off switch of a fluid delivery between two dispensing facilities, where the device has a first delivery facility in the form of a collecting container (16) and is connectable with a second distribution facility, where the device is a measuring device to capture the level of collecting container (16) and a to switching equipment (26, 27) to the mechanical switching of fluid delivery between first and second distribution facility depending on the recorded level, which is set up, that they commissioned a reached or exceed a predetermined upper level the fluid delivery from the second establishment of the tax breaks and the fluid delivery from the first delivery facility opens and a falls below a predefined lower level interrupts the fluid delivery from the first delivery facility and the fluid delivery from the second delivery facility opens.

0) US2007175334A – INSERT, A MACHINE AND A SYSTEM FOR THE PREPARAT...

62) Family number: 30501075 (US2007175334A) © PatBase

Title: INSERT, A MACHINE AND A SYSTEM FOR THE PREPARATION OF BEVERAGES

Priority: GB20040003495 20040217 WO2005GB00468 20050211

Family:

Publication number	Publication date	Application number	Application date
AT474485 E	20100815	AT20050708293T	20050211
AU2005215201 AA	20050901	AU20050215201	20050211
BRPI0507809 A	20070710	BR2005PI07809	20050211
CA2556421 AA	20060815	CA20052556421	20050211
CA2556421 C	20130129	CA20052556421	20050211
CN100496354 C	20090610	CN200580011597	20050211
CN1942126 A	20070404	CN200580011597	20050211
DE602005022408 D1	20100902	DE200560022408T	20050211
EP1715777 A1	20061102	EP20050708293	20050211
EP1715777 B1	20100721	EP20050708293	20050211
ES2346890 T3	20101021	ES20050708293T	20050211
GB200403495 A0	20040324	GB20040003495	20040217
GB2413480 A1	20051102	GB20040003495	20040217
GB2413480 B2	20060830	GB20040003495	20040217
HK1104957 A1	20100219	HK20070110244	20070920
HK1104957 A3	20080201	HK20070110244	20070920
JP2007521935 T2	20070809	JP20060553641T	20050211
JP4607128 B2	20110105	JP20060553641T	20050211
KR101210716 B1	20121210	KR20067018969	20050211
KR20060129472 A	20061215	KR20067018969	20050211
RU2006133306 A	20080410	RU20060133306	20050211
RU2355278 C2	20090520	RU20060133306	20050211
US2007175334 AA	20070802	US20050589458	20050211
US8087347 BB	20120103	US20050589458	20050211
WO05079637 A1	20050901	WO2005GB00468	20050211

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std)**:** BALLARD COLIN D ; BALLARD COLIN DARREL ; HALLIDAY ANDREW M ; HALLIDAY ANDREW MICHAEL ; KRAFT FOODS R AND D INC ; HANSEN NICHOLAS ANDREW ; PANESAR SATWINDER SINGH ; PANESAR SATWINDER S ; HANSEN NICHOLAS A ; KRAFT FUDZ R UND D INK

Assignee(s): KRAFT FUDZ R U D INK ; KRAFT FOODS R AMP AMP ; D INC ; DOUWE EGBERTS BV KONINKLL

Inventor(s):(std)**:** ANDREW HANSEN NICHOLAS ; ANDREW MICHAEL HALLIDAY ; BALLARD COLIN ; BALLARD COLIN D ; BALLARD COLIN DARREL ; BOLLARD KOLIN DARREL ; COLIN DARREL BALLARD ; DARREL BALLARD COLIN ; HALLIDAY ANDREW ; HALLIDAY ANDREW M ; HALLIDAY ANDREW MICHAEL ; HANSEN NICHOLAS ; HANSEN NICHOLAS A ; HANSEN NICHOLAS ANDREW ; KHANSEN NIKOLAS EHNDRJU ; KHOLLIDEHJ EHNDRJU MAJKL ; MICHAEL HALLIDAY ANDREW ; NICHOLAS ANDREW HANSEN ; PANESAR SATVINDER SINGKH ; PANESAR SATWINDER ; PANESAR SATWINDER S ; PANESAR SATWINDER SINGH ; SATWINDER SINGH PANESAR ; SINGH HALLIDAY ANDREW MICHAEL ; SINGH PANESAR SATWINDER

Inventor(s): PANESAR SATWINDER SINGH KRAFT FOODS UK LTD ; HALLIDAY ANDREW MICHAEL HANSEN NICHOLAS ANDREW ; HALLIDAY ANDREW MICHAEL HANSEN NICHOLAS ANDREW BAL

Agent(s): GRIFFITH HACK; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; THOMSON NEIL DAVID; FITCH EVEN TABIN AND FLANNERY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47J31/00 A47J31/057 A47J31/06 A47J31/10 A47J31/32 A47J31/34 A47J31/40 A47J31/44 (Advanced/Invention); A23L1/00 A47J31/06 A47J31/40 (Advanced/Non–invention); A47J31/00 A47J31/04 A47J31/06 A47J31/10 A47J31/24 A47J31/40 (Core/Invention); A47J (Subclass/Invention)

International class (IPC 1–7): A47J31/06 A47J31/32 A47J31/40 A47J31/44

CPC: A47J31/4492 A47J31/06 A47J31/40

European class: A47J31/32 A47J31/40 A47J31/44 A47J31/44H

US class: 99/279 99/279P 99/285 99/295

Classification Explorer

Cited documents: WO9827854 A1, WO9717006 A1, WO9516377 A1, WO9507648 A1, WO8807472 A1, WO03065859 A3, WO03065859 A2, WO03059778 A3, WO03059778 A2, WO03039309 A1, WO03026470 A2, WO0228241 A1, WO0219875 A1, WO02092439 A2, WO02087400 A1, WO02085170 A3, WO02085170 A2, WO02082962 A1, WO02074661 A1, WO02074143 A2, WO0182760 A1, WO0160220 A1, WO0160219 A1, WO0158786 A1, WO0130218 A1, WO0115582 A1, WO0042891 A1, WO0028868 A1, USD489930 S1, USD479939 S1, USD475567 S1, USD461358 S1, USD460653 S1, USD459628 S1, USD452107 S1, USD443792 S1, USD423863 S1, USD419821 S1, USD255529 S1, US6968775 BB, US6935222 BB, US6857353 BB, US6786136 BB, US6777007 BB, US6758130 BB, US6698333 BB, US6698332 BB, US6655260 BB, US6645537 BB, US6644173 BB, US6612224 BB, US6607762 BB, US6606938 BB, US6499388 BB, US6405637 BA, US6358545 BA, US6347725 BA, US6289948 BA, US6279459 BA, US6245371 BA, US6240833 BA, US6240832 BA, US6186051 BA, US6182554 BA, US6178874 B1, US6173117 B1, US6170386 B1, US6142063 A, US6117471 A, US6109168 A, US6095031 A, US6082245 A, US6068871 A, US6062127 A, US6025000 A, US6021705 A, US6009792 A, US6006653 A, US6000317 A, US5992298 A, US5974950 A, US5967021 A, US5948455 A, US5921168 A, US5899137 A, US5897899 A, US5895672 A, US5862738 A, US5858437 A, US5840189 A, US5826492 A, US5794519 A, US5794519, US5776527 A, US5762987 A, US5762987, US5738001 A, US5704275 A, US5649472 A, US5649412 A, US5639023 A, US5638741 A, US5638740 A, US5637335 A, US5603254 A, US5549035 A, US5531604 A, US5531152 A, US5479849 A, US5472719 A, US5463932 A, US5455887 A, US5440972 A, US5408917 A, US5398596 A, US5398595 A, US5375508 A, US5349897 A, US5347916 A, US5343799 A, US5327815 A, US5325765 A, US5303639 A, US5287797 A, US5285717 A, US5272960 A, US5265520 A, US5259295 A, US5242702 A, US5197374 A, US5186096 A, US5183998 A, US5178058 A, US5134924 A, US5111740 A, US5082676 A, US5072660 A, US5063836 A, US5014611 A, US4990352 A, US4921712 A, US4920870 A, US4917005 A, US4886674 A, US4876953 A, US4875408 A, US4873915 A, US4853234 A, US4846052 A, US4838152 A, US4818544 A, US4806375 A, US4787299 A, US4775048 A, US4744291 A, US4738378 A, US4724752 A, US4653390 A, US4551611 A, US4484515 A, US4471689 A, US4452130 A, US4389191 A, US4382402 A, US3823656 A, US3790029 A, US3403617 A, US3336857 A, US3083101 A, US2899106 A, US2778739 A, US2715868 A, US2243895 A, US2243895, US2004197444 AA, US2003222089 AA, US2003145736 AA, US2003056655 AA, US2003039731 AA, US2003005826 AA, US2002148357 AA, US2002148356 AA, US2002144604 AA, US2002144603 AA, US2002129712 AA, US2002124736 AA, US2002121198 AA, US2002121197 AA, US2002088807 AA, US2002078831 AA, US2002048621 AA, US2002023543 AA, US2002015768 AA, US2002002913 AA, US2001048957 AA, US1576735 A, JP2000093309, GB828529 A, GB468248 A, GB2379624 A1, GB2374856 A1, GB2374816 A1, GB2374795 A1, GB2306432 A1, GB1215840 A, FR2322796 A1, FR1537031, EP1316283 A2, EP1255685 B1, EP1208782 A1, EP1153561 A1, EP1101430 A1, EP1095605 A1, EP1090574 A1, EP1042978 A1, EP0904718 A1, EP0870457 A1, EP0862882 B1, EP0862882 A1, EP0756844 B1, EP0730425 B1, EP0638486 A1, EP0604615 B1, EP0524464 A1, EP0521510 A1, EP0469162 A1, EP0455337 A1, EP0451980 A2, EP0449533 A1, EP0334572 A1, EP0334571 A1, EP0272922 A2, EP0151252 A1, EP0057671 A2,

Forward Citations: WO12064885, WO09050009, USD723329, USD713194, USD685220, USD651096, USD649390, USD647399, USD647398, USD637484, US9708109, US9675203, US9615597, US9565967, US9555957, US9538877, US9526371, US9516970, US9510706, US9510705, US9487348, US9480361, US9468230, US9451847,

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Abstract:
Source: US2007175334A An insert for use in a beverage preparation machine of a type comprising a brew head suitable for receiving a rigid or semi–rigid cartridge. The brew head comprises an upwardly directed inlet for supplying water to the brew head, a downwardly directed outlet for outflow of beverage produced by the machine, and a closure mechanism moveable between open and closed configurations. The insert comprises a receptacle and sealing means, the receptacle having an opening through which, in use, a quantity of beverage ingredients may be loaded into the receptacle, a lower portion of the insert comprising an inlet and an outlet. In use, on insertion of the insert into the brew head of the beverage preparation machine and movement of the closure mechanism into the closed position the sealing means is contactable with, and sealable against, the brew head to thereby close the opening of the receptacle to define a I brewing volume containing the quantity of beverage ingredients, and on inserting the insert into the brew head the inlet and outlet of the insert are arranged to communicate respectively with the inlet and outlet of the brew head such that, in use, water from the inlet of the brew head passes upwardly through the inlet of the insert into the brewing volume and such that beverage produced from the water and the quantity of beverage ingredients passes downwardly through the outlet of the insert to flow out of the outlet of the brew head.

0) US2005193901A – FOOD PREPARATION SYSTEM

63) Family number: 32216978 (US2005193901A) © PatBase

Title: FOOD PREPARATION SYSTEM

Priority: US20040545863P 20040218 US20050061024 20050218 US20120591022 20120821

Family:

Publication number	Publication date	Application number	Application date
US2005193901 AA	20050908	US20050061024	20050218
US2013101714 AA	20130425	US20120591022	20120821
US8276505 BB	20121002	US20050061024	20050218
US8820219 BB	20140902	US20120591022	20120821

Probable Assignee: BUEHLER DAVID BENJAMIN

Assignee(s):(std)**:** BUEHLER DAVID BENJAMIN

Assignee(s): BUEHLER DAVID B

Inventor(s):(std)**:** BUEHLER DAVID B ; BUEHLER DAVID BENJAMIN

Inventor(s): BUEHLER DAVID

Agent(s): DAVID BENJAMIN BUEHLER; WORKMAN NYDEGGER

International class (IPC 8–9): A23L1/00 A47J27/14 A47J31/00 A47J43/00 A47J44/00 (Advanced/Invention); A23L1/00 (Core/Invention)

International class (IPC 1–7): A23L1/00

CPC: A47J44/00 A23L5/10

European class: A23L1/01

US class: 134/115R 426/416 901/1 99/325 99/326 99/331 99/334 99/341 99/348 99/352 99/355 99/357 99/423 99/443C 99/468 99/468P 99/486

Classification Explorer

Cited documents: US7241977 BB, US7174830 BA, US7001626 BB, US6869633 BB, US6843166 BA, US6626190 BB, US5386762 A, US5228382 A, US5132914 A, US4919950 A, US4676365 A, US3944093 A, US3584752 A, US2004173250 AA, US2004173103 AA,

Forward Citations: WO17125296, WO17055832, WO16160732, WO16057074, WO16040361, WO15195985, WO15117156, WO13026051, WO13026051, WO11046890, WO08091706, US9630206, US9619958, US9600850, US9569748, US9538880, US9538776, US9470423, US9445614, US9438678, US9336830, US9326544, US9295282, US9295281, US9257150, US9240028, US9159094, US9149058, US9131807, US9129302, US9111256, US9070175, US9037478, US8989895, US8989893, US8905626, US8892249, US8839910, US8814863, US8814862, US8763515, US8754351, US8549952, US8336731, US8069127, US7973642, US7950710, US7824721, US7746018, US7485830, US2016130068, US2016045055, US2016037958, US2015342391, US2015290795, US2015216362, US2015157161, US2015114236, US2015037473, US2015019354, US2014331869, US2014328135, US2014288700, US2014272062, US2014199455, US2014120235, US2013327229, US2013302483, US2013275236, US2013171304, US2013092032, US2013052616, US2012132646, US2011275040, US2011192247, US2011156417, US2011108569, US2011088568, US2011088558, US2011004502, US2010313768, US2010310733, US2010303972, US2010108696, US2010018909, US2010010670, US2009294217, US2009190363, US2009167838, US2008282904, US2008270331, US2008108434, US2008099462, US2008060715, US2008057173, US2007267043, US2007254080, US2007144005, GB2543033, EP3043312, EP2744376, EP2446425, CN103889282, CN102248530,

Abstract:
Source: US2005193901A An automated food preparation system is described. It allows precise, automated control of the food preparation process, and has the ability to perform an automated cleanup. It comprises at least one manipulator to process and move ingredients, a control system, an autonomously accessible ingredient storage system, and at least one cooking receptacle.

0) US2012121764A – BREWED BEVERAGE APPLIANCE AND METHOD

64) Family number: 51107407 (US2012121764A) © PatBase

Title: BREWED BEVERAGE APPLIANCE AND METHOD

Priority:

AU20120309159	20120626	AU20120309161	20120627	AU20130245524	20131018
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EP20130003966	20120627	EP20130004031	20120625	EP20130003982	20120626
WO2012US44286	20120627	WO2012US44288	20120627		

Family:

Publication number	Publication date	Application number	Application date
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AU2012309161 AA	20130321	AU20120309161	20120627
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AU2012363115 AA	20130704	AU20120363115	20120627
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AU2013245524 AA	20131107	AU20130245524	20131018
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KR20140011427 A	20140128	KR20147000653	20120626	

KR20140084342 A	20140704	KR20147015771	20120627	
KR20140084343 A	20140704	KR20147015772	20120627	
KR20140093751 A	20140728	KR20147018544	20120625	
KR20140096155 A	20140804	KR20147017621	20120627	
KR20150038638 A	20150408	KR20157006219	20120627	
KR20150058560 A	20150528	KR20157012425	20120626	
MX2013006153 A1	20130826	MX20130006153	20120625	
MX2013007397 A1	20131030	MX20130007397	20120626	
MX2013008473 A1	20130812	MX20130008473	20120627	
MX2013008474 A1	20130812	MX20130008474	20120627	
MX2013008930 A1	20131001	MX20130008930	20120627	
MX337452 B	20160307	MX20130007397	20120626	
MX338644 B	20160425	MX20130008473	20120627	
PT2654522 T	20160301	PT20120861290T	20120627	
PT2682027 T	20160126	PT20130003966T	20120627	
TR201514854 T4	20151221	TR20150014854T	20120627	
TR201516491 T4	20160121	TR20150016491T	20120627	
US2012121764 AA	20120517	US20110231021	20110913	
US2012121768 AA	20120517	US20110230980	20110913	
US2012121779 AA	20120517	US20110230954	20110913	
US2012121780 AA	20120517	US20110231035	20110913	
US2012171332 AA	20120705	US20110338926	20111228	
US2014057033 AA	20140227	US20130970763	20130820	
US8573115 BB	20131105	US20110230954	20110913	
US8646379 BB	20140211	US20110231035	20110913	
US8950315 BB	20150210	US20110338926	20111228	
US8978541 BB	20150317	US20130970763	20130820	
US9066623 BB	20150630	US20110230980	20110913	
US9155418 BB	20151013	US20110231021	20110913	
WO13039585 A1	20130321	WO2012US43928	20120625	
WO13039588 A1	20130321	WO2012US44100	20120626	
WO13039590 A1	20130321	WO2012US44281	20120627	
WO13039591 A1	20130321	WO2012US44286	20120627	
WO13101302 A1	20130704	WO2012US44288	20120627	

Probable Assignee: CONAIR

Assignee(s):(std)**:** CONAIR ; LAI KIN MAN ; FUNG KAM FAI ; ORENT JILL FRANCES KREUTZER ; SCHNABEL BARBARA LYNN

Assignee(s): KREUTZER ORENT JILL FRANCES ; SCHANBEL BARBARA LYNN ; CONAIR CORP ; CONAIR CORP STAMFORD ; CONAIR CORPONE CUMMINGS POINT ROADSTANFORDCT06902US ; CONAIR STAMFORD CORP

Inventor(s):(std)**:** BARBARA LYNN SCHNABEL ; FENG JINHUI ; FUNG KAM FAI ; FUNG KAMFAI ; JILL FRANCES KREUTZER ORENT ; KAM FAI FUNG ; LAI KINMAN ; LI JIANWEN ; ORENT JILL FRANCES ; ORENT JILL FRANCES KREUTZE ; ORENT JILL FRANCES KREUTZER ; ORENT JILL FRANCES KREUTZER JFK ; KIN MAN LAI ; KREUTZER ORENT JILL FRANCES ; KREUTZER ORENT JILL FRANCES JF ; SCHANBEL BARBARA LYNN ; SCHNABEL BARBARA ; SCHNABEL BARBARA LYNN ; SCHNABEL BARBARA LYNN BL ; LAI KIM MAN ; LAI KIN MAN

Inventor(s): LAI KIN MANCN ; SCHNABEL BARBARA LYNN CHAPPAQUA ; SCHNABEL BARBARA LYNNUS ; KREUTZER ORENT JILL FRANCES WESTPORT ; ORENT JILL FRANCES KREUTZER WESTPORT ; ORENT JILL FRANCES KREUTZERUS ; KIM MAN LAI ; FUNG KAM FAICN

Agent(s): SPRUSON AND FERGUSON; SIM AND MCBURNEY; AIRD AND BERLIS IP PARTNERSHIP LTD; SIM KELTIE R; AIRD AND MCBURNEY LP; CARLOS R OLARTE

GARCIA; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; MUELLER BORE AND PARTNER PATENTANWAELTE; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; PONS ANGEL; YAMASAKI YUKUZO; AKAMATSU TOSHIAKI; PINAR ARIKAN; MCCORMICK PAULDING AND HUBER LLP; GROGAN TUCCILLO AND VANDERLEEDEN LLP; TUCCILLO NICHOLAS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A23F5/00 A23F5/08 A23F5/26 A47J31/00 A47J31/02 A47J31/057 A47J31/06 A47J31/10 A47J31/24 A47J31/36 A47J31/40 A47J31/42 A47J31/44 A47J31/46 A47J31/54 A47J31/58 A47J31/60 B01D27/04 B01D27/08 B65B29/02 B65D77/30 B65D81/34 B65D85/50 B65D85/804 B65D85/808 B65D85/816 (Advanced/Invention); A23F5/00 A47J31/057 A47J31/36 A47J42/00 B65D77/30 B65D85/50 (Advanced/Non–invention); A47J (Subclass/Invention)

CPC: A47J31/605 A47J31/0573 A23F5/00 A47J31/44 A47J42/00 B65D85/8043 A47J31/42 A47J31/0689 A47J31/3623 A47J31/46 A47J31/24 A47J31/58 B65D1/00 A47J31/02 A47J31/06 A47J31/40 B65B29/02 B65D85/816 B65D85/808 B65D85/804

European class: A47J31/36A4 A47J31/42

US class: 1/1 210/455 210/455S 210/484 210/484S 426/231 426/231P 426/431 426/431S 426/433 426/433P 426/433S 426/77 426/77P 426/77S 426/78 426/78P 99/279 99/281 99/281S 99/283 99/283S 99/286 99/286S 99/289R 99/295 99/295S 99/302R 99/307

Classification Explorer

Cited documents: WO200716977, WO11102721 A2, WO11102721, WO10138563 A1, WO10138563, WO10137963 A1, WO10137963, WO10117263 A2, WO09113035 A2, WO07138016 A1, WO07016977 A1, WO07016977, WO0027262 A1, WO0027262, USD206973 S1, US8601937 BB, US8308445 BB, US8252351 BB, US8246317 BB, US8152495 BB, US8092166 BB, US7841045 BB, US7798055 BB, US7739946 BB, US7735414 BB, US7731050 BB, US7669519 BB, US7578230 BB, US7571674 BB, US7469628 BB, US7469627 BB, US7412781 BB, US7320274 BB, US7219596 BB, US7210401 BA, US7210401, US7201098 BB, US7192258 BB, US7089849 BB, US7063005 BA, US7017472 BB, US7013795 BB, US6988444 BA, US6955116 BB, US6796220 BB, US6791056 BB, US6658989 BB, US6606938 BB, US6604694 BA, US6487961 BB, US6480672 BA, US6405637 BA, US6405637, US6345570 BA, US6339985 BA, US6241600 BA, US6182554 BA, US6099878 A, US6095032 A, US6079315 A, US6055900 A, US5992299 A, US5992299, US5897899 A, US5875703 A, US5865095 A, US5794519 A, US5778765 A, US5778765, US5671321 A, US5615601 A, US5542342 A, US5542342, US5531152 A, US5511465 A, US5417145 A, US5387256 A, US5337652 A, US5307733 A, US5292437 A, US5287795 A, US5285705 A, US5267507 A, US5267506 A, US5241898 A, US5224414 A, US5207148 A, US5186399 A, US5103716 A, US4967649 A, US4962693 A, US4925682 A, US4913037 A, US4901630 A, US4882982 A, US4787050 A, US4784050 A, US4718870 A, US4706555 A, US4644856 A, US4624177 A, US4555984 A, US4455763 A, US4389925 A, US4280401 A, US4200039 A, US4196658 A, US4192461 A, US4172413 A, US4172413, US4114022 A, US4065057 A, US4007675 A, US4007674 A, US3855450 A, US3767895 A, US3722395 A, US3691345 A, US3618510 A, US3596588 A, US3511166 A, US3270655 A, US2968560 A, US2952202 A, US2827845 A, US2621581 A, US2488467 A, US2433795 A, US2431063 A, US2295502 A, US2012121780 AA, US2012060697 AA, US2012058226 AA, US2012031509 AA, US2011308398 AA, US2011259204 AA, US2011217421 AA, US2011185911 AA, US2011180645 AA, US2011168029 AA, US2011163131 AA, US2011126717 AA, US2011076360 AA, US2011052761 AA, US2011045144 AA, US2011020500 AA, US2011005399 AA, US2010303964 AA, US2010303964, US2010288131 AA, US2010258010 AA, US2010254800 AA, US2010239734 AA, US2010226769 AA, US2010226752 AA, US2010203208 AA, US2010154651 AA, US20100303964, US2010028495 AA, US2010024658 AA, US2010018404 AA, US2009320693 AA, US2009282987 AA, US2009280219 AA, US2009205505 AA, US2009188395 AA, US2009183640 AA, US2009173236 AA, US2009173236, US2009120925 AA, US2009114100 AA, US2009031902 AA, US2009031902, US2009031900 AA, US20090173236, US2009017177 AA, US2009007793 AA, US20090031902, US2008245236 AA, US2008216667 AA, US2008124060 AA, US2008006159 AA, US2007012193 AA, US2006263073 AA, US2006236871 AA, US2006199515 AA, US2006186134 AA, US2006090653 AA, US2005247205 AA, US2005051478 AA, US2005034605 AA, US2005031448 AA, US2004250686 AA, US2004025703 AA, US2003171093 AA, US2003164367 AA, US2003005826 AA, US2002148358 AA, US2002148357 AA, US2002148356 AA, US2002144604 AA, US2002144603 AA, US2002144603, US2002083844 AA, US20020144603, US1961179

A, US1762208 A, US07210401, US05992299, KR870003098 Y1, KR870003098, KR20110031893 A, KR20110031893, KR20100099729 A, KR20100099729, KR20070040396 A, KR20060129253 A, JP61118523 U1, JP61118523 U, JP61118523 U, JP6101131 B2, JP61001131 B4, JP61001131 B2, JP61001131 B2, JP5476374, JP54076374 A2, JP54076374, JP4604031 B2, JP2014509225 T2, JP2014509225, JP2014506820 T2, JP2014506820, JP2013519491 T2, JP2013519491, JP2012530535 T2, JP2012530535, JP2011515134 T2, JP2011515134, JP2011101790 A2, JP2011101790, JP2009544439 T2, JP2009544439, JP2003310440 A2, JP2003310440, GB2470002 A1, GB2392899 A1, GB2120534 A1, FR2652731 A1, FR2652731, FR1373832 A, FR02652731, EP0958770 A1, EP0419398 A2, EP0184561 A1, EP0041082 A1, EP0041082, EP00041082, DE29502596 U1,

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DE202005014128 U, DE1925357 U, CN201135366 Y, CN1633252 A, CN1612831 A, CN102118992 A, CN101977827 A, CN101902941 A, CN101404916 A, CN101254068 A, CN101005781 A,

Forward Citations: WO17121800, WO17076821, WO17029565, WO16173517, WO16173430, WO16029355, WO15140670, WO14168940, WO14044050, WO14037598, WO13188246, WO13188246, WO13130576, WO13039588, USD776525, USD769710, USD757537, USD756785, USD742221, USD730174, USD715649, USD700839, USD698649, USD687297, USD686916, US9725196, US9717366, US9706873, US9700171, US9688465, US9675203, US9657155, US9622616, US9578986, US9565968, US9504974, US9428329, US9428328, US9307860, US9131806, US9119503, US8960999, US8960489, US8844426, US8671829, US8573115, US2017065121, US2017055761, US2017020329, US2017008774, US2016367070, US2016007797, US2016001903, US2015359380, US2015250354, US2015239655, US2015157164, US2015144004, US2015140184, US2015108108, US2015090300, US2015065587, US2014332547, US2014272076, US2013269536, US2013055905, US2012210881, US2012121779, US2011185908, KR20170008511, KR101727928, KR101652754, JP6167750, JP2016214911, JP2015523885, JP2015039409, JP2014516745, JP2014516677, GB2531688, GB2531688, GB2531687, GB2531687, GB2531686, GB2531686, GB2530680, GB2530680, EP3138788, EP2962958, EP2962957, EP2946703, DE102015216939, DE102013223609, CN104619218, CN103654417, CN103654411,

Abstract:
Source: US2012121764A A brewed beverage appliance uses a specialized pre−packaged beverage container and a related method of brewing a beverage. The container comprises a cup−shaped base having openings at the bottom. A plurality of roasted, whole coffee beans are contained therein. The appliance has a blade that punctures the cup and then grinds the beans while they are still in the cup. Heated water is delivered to the cup and passes through the ground coffee causing brewed coffee to emit from the openings in the bottom of the cup and into a container such as a coffee mug.

0) US6675398B – DIVERTER FOR USE WITH TANK VALVES TO DIRECT FLO...

65) Family number: 30217159 (US6675398B) © PatBase

Title: DIVERTER FOR USE WITH TANK VALVES TO DIRECT FLOW TO TANK OR RIM

Priority: US20020306817 20021126

Family:

Publication number	Publication date	Application number	Application date
US6675398 BA	20040113	US20020306817	20021126

Probable Assignee: ANTUNEZ BRUCE A

Assignee(s):(std)**:** ANTUNEZ BRUCE A

Inventor(s):(std)**:** ANTUNEZ BRUCE A

International class (IPC 8–9)**:** E03D1/28 E03D1/36 (Advanced/Invention); E03D1/24 E03D1/30 (Core/Invention)

International class (IPC 1–7)**:** E03D1/36 F16K31/18

CPC: E03D1/36 E03D1/286 Y10T137/7303 Y10T137/7361 Y10T137/7404 Y10T137/7413 Y10T137/7446 Y10T137/7462 Y10T137/87804

European class: E03D1/28D E03D1/36

US class: 137/391 137/410 137/423 137/426 137/436 137/441 137/874 4/331 4/366 4/415

Locarno class: 43/66

Classification Explorer

Cited documents: US6502251 BA, US5862538 A, US5579542 A, US5175894 A, US5007452 A, US4996726 A, US4918763 A, US4730639 A, US4494562 A, US4420845 A, US4408361 A, US4318194 A, US3516094 A, US3501779 A, US3172128 A, US3147762 A, US3086217 A, US2923012 A, US2773267 A, US2501589 A, US1971880 A, US1939118 A,

Forward Citations: US9228336, US7740032, US7117905, US7028347, US6962163, US2009320199, US2009090181, US2008086806, US2007029003, US2006096659, US2006041999,

Abstract:
Source: US6675398B A diverter valve for selectively passing water from a ballcock valve directly to a water storage tank or to the rim of a toilet. It includes a diverter plunger which places a deflector into the path of water from the ballcock, and a float which removes the deflector from the lumen when the ballcock valve is closed and the water level is sufficiently high, and lowers the plunger when the water level is sufficiently low.

66) Family number: 32090905 (WO05066077A1) © PatBase

Title: PORTABLE, REFILLABLE WATER DISPENSER SERVING BATCHES OF WATER PURIFIED OF ORGANIC AND INORGANIC POLLUTANTS

Priority: WO2003US38466 20031203

Family:

Publication number	Publication date	Application number	Application date
AU2003297637 AA	20050812	AU20030297637	20031203
WO05066077 A1	20050721	WO2003US38466	20031203

Probable Assignee: HEADWATERS INC

Assignee(s):(std)**:** HEADWATERS INC

Inventor(s):(std)**:** ANDERSON TROY ; HAMILTON JEREMY ; LANNING CHARLES ; VANDENBELT RUDY

Inventor(s): RUDY VANDENBELT ; TROY ANDERSON ; JEREMY HAMILTON ; CHARLES LANNING

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): C02F1/00 C02F1/32 (Advanced/Invention); C02F1/28 C02F1/32 C02F1/42 (Advanced/Non–invention); C02F1/32 (Core/Invention)

International class (IPC 1–7): C02F1/32

CPC: C02F1/003 C02F1/283 C02F1/32 C02F1/42 C02F2201/009 C02F2307/04

European class: C02F1/00D4 M02F1/28D M02F1/32 M02F1/42 M02F201/00I M02F201/00P M02F307/04

Classification Explorer

Cited documents: US6475352, US6193894, US5441179, US4762613,

Forward Citations: US7438799,

Abstract:
A portable, refillable water dispenser serving batches of water purified of organic and inorganic pollutants includes a portable, refillable and hand–holdable vessel (12) for holding and pouring water having a spout (16) and, inside the portable, refillable and hand–holdable vessel, moving water and still water processing module cooperative to remove inorganic and organic pollutants from water received batchwise by the vessel.

0) GB734365A – HYDRAULIC PUMP UNIT

67) Family number: 19821412 (GB734365A) © PatBase

Title: Hydraulic pump unit

Priority: 19520913

Family:

Publication number	Publication date	Application number	Application date
GB734365 A	19550727	GB19530000413	19530106

Probable Assignee: GEN MOTORS CORP

Assignee(s):(std)**:** GEN MOTORS CORP

Assignee(s): GENERAL MOTORS CORP

International class (IPC 8–9)**:** F15B1/26 (Advanced/Invention); F15B1/00 (Core/Invention)

CPC: F15B1/26

European class: F15B1/26

Classification Explorer

Abstract:
Source: GB734365A 734,365. Rotary pumps. GENERAL MOTORS CORPORATION. Jan. 6, 1953 [Sept. 13, 1952], No. 413/53. Class 110 (2). [Also in Groups XXIX and XXXI] The fluid power unit 14 of a tractor comprises a tank 16 having a pump 16 therein, a valve 17 for controlling the actuation of tractor auxiliaries and a baffle 29 for directing the flow of fluid recirculated to the tank through a port 25. The inlet conduit 33 of the pump has a filter screen 34 comprising four webs, a bottom plate and a wire mesh, attached thereto. The constituent parts of the screen are welded or brazed together and to the conduit 33. The valve 17 has inlet and outlet ports 40, 41 in communication with the outlet 24 of the pump and the return port 25 thereto respectively. A suction line for a booster steering pump is disposed beneath the tank and communicates therewith. The unit 14 has an air vent, a filler neck and a drain plug 78; said vent and neck each incorporating a filter. The pump is driven by the crankshaft 9 of the engine through a coupling 32 allowing for misalignment and including universal joints. If desired, the shaft of the pump and the said crankshaft can be coaxially aligned with no gear box or auxiliary drive transmission therebetween.

0) FR1456782A – PERFECTIONNEMENTS AUX DISTRIBUTEURS DE BOISSONS...

68) Family number: 21810371 (FR1456782A) © PatBase

Title:	PERFECTIONNEMENTS AUX DISTRIBUTEURS DE BOISSONS IMPROVEMENTS TO DRINKS MACHINES (Machine translation)
Priority:	FR19650030431 19650903

Family:

Publication number	Publication date	Application number	Application date
FR1456782 A	19660708	FR19650030431	19650903

Probable Assignee:	BERNZOMATIC CORP
Assignee(s):(std)**:**	BERNZOMATIC CORP
International class (IPC 8–9):	B67D1/14 (Advanced/Invention); B67D1/00 (Core/Invention)
International class (IPC 1–7):	B67D1/04
CPC:	B67D1/1466
European class:	B67D1/14B6B

Classification Explorer

Abstract:
Source: FR1456782A (Claim 1) 1. Un distributeur de boissons carbonatees comprenant: a. Un coffret presentant un compartiment ferme de refrigeration, un compartiment d'evacuation de chaleur et plusieurs compartiments de distribution des sirops d'aromatisation; b. Un– systeme de refrigeration par absorption comprenant un generateur, des moyens pour le chauffage dudit generateur et un condenseur, fixes dans le compartiment d'evacuation de chaleur dudit coffret, et un evaporateur dispose dans le compartiment de refrigeration dudit coffret; c. Un systeme pour la carbonatation de l'eau comprenant une cuve de carbonatation disposee dans ledit compartiment de refrigeration, une valve de distribution de l'eau carbonatee montee dans ledit coffret et pouvant etre– actionnee de l'exterieur, une conduite de distribution de l'eau carbonatee reliee a ladite valve et a ladite cuve et un regulateur de pression du gaz carbonique relie a ladite cuve; d. Un recipient pressurise pour le gaz carbonique relie audit regulateur de pression permettant, lorsqu'une certaine quantite d'eau a ete introduite dans la cuve et que le gaz carbonique a ete admis dans celle–ci sous la pression etablie par le regulateur, la carbonatation de l'eau et son refroidissement par l'evaporateur du systeme de refrigeration de facon a ce que, lorsque la valve de distribution est actionnee, l'eau carbonatee froide soit liberee pour etre melangee avec le sirop d'aromatisation pour obtenir une boisson carbonatee.

Machine translation: (Claim 1) 1. A carbonated beverage dispenser comprising: a. A case presenting a strong refrigeration compartment, a compartment heat evacuation and distribution of several compartments of flavoring syrups, b. A–absorption refrigeration system including a generator, means for heating said generator and condenser, fixed in the compartment evacuation of heat from said cabinet, and has an evaporator in the refrigerator compartment of said cabinet; c. A system for carbonating water comprising a carbonation tank disposed in said refrigerator compartment, a dispensing valve of carbonated water and mounted in said box–that can be operated from the outside, a distribution line of carbonated water connected to said valve and said vessel and a pressure regulator carbon dioxide tank connected to said d. A container for pressurized carbon dioxide connects to said pressure regulator allows, when a certain amount of water was introduced into the tank and that carbon dioxide was admitted into it under pressure established by the regulator, the carbonation water and cooled by the evaporator of the refrigeration system in a way that when the dispensing valve is actuated, cold carbonated water is released to be mixed with syrup flavoring for carbonated drinks.

0) US2016030856A – DISTILLATION REACTOR MODULE

69) Family number: 57414072 (US2016030856A) © PatBase

Title: DISTILLATION REACTOR MODULE

Priority: US20130800209P 20130315 US20130801170P 20130315 US20130801491P 20130315 US20140776734 20140318 US20140776736 20140318 US20140776732 20140515 WO2014US31118 20140318 WO2014US31116 20140318 WO2014US38290 20140515

Family:

Publication number	Publication date	Application number	Application date
CA2907677 AA	20150921	CA20142907677	20140318
EP2969180 A2	20160120	EP20140762668	20140318
EP2969180 A4	20161005	EP20140762668	20140318
IL242590 A0	20160131	IL20140242590	20140318
JP2016512165 T2	20160425	JP20160502609T	20140318
US2016030856 AA	20160204	US20140776734	20140318
US2016032904 AA	20160204	US20140776736	20140318
US2016045841 AA	20160218	US20140776732	20140515
WO14146129 A2	20140918	WO2014US31118	20140318
WO14146129 A3	20150129	WO2014US31118	20140318
WO14153570 A2	20140925	WO2014US38290	20140515
WO14153570 A3	20150219	WO2014US38290	20140515
WO14153570 A9	20150806	WO2014US38290	20140515
WO14200605 A2	20141218	WO2014US31116	20140318
WO14200605 A3	20150326	WO2014US31116	20140318
WO14200605 A4	20150430	WO2014US31116	20140318
WO14200605 A9	20150205	WO2014US31116	20140318

Probable Assignee: TRANSTAR GROUP LLC

Assignee(s):(std)**:** BRADLEY RANDALL ; KALPAN ALLEN ; KAPLAN ALLEN ; TRANSTAR GROUP LTD

Assignee(s): TRANSTAR GROUP LLC

Inventor(s):(std)**:** BRADLEY RANDALL ; KALPAN ALLEN ; KAPLAN ALLEN

Agent(s): ADE AND CO INC; NELLIGAN OBRIEN PAYNE LLP; PERRONACE ANDREA; HERSHKOVITZ ABRAHAM ET AL; HERSHKOTIZ ABRAHAM ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B01D3/00 B01D3/06 B01D3/10 B01D3/26 B01D3/32 B01D39/20 B01D53/48 B01D53/62 B01D59/04 B01J B01J19/24 B01J19/26 B01J2/00 B01J6/00 B01J8/24 B02C23/00 B03C1/00 B22F3/10 B22F9/00 B29B17/00 C01B17/027 C01B17/74 C02F1/00 C10B49/12 C10G1/00 C10G11/18 C10G33/00 C10G45/00 C10G57/00 C10G7/00 C10G7/06 C10G9/04 C10J3/72 C10L9/10 C22B13/00 C22B15/00 C22B21/00 C22B7/00 C22B9/00 F03G7/00 F27B17/00 G21C1/02 G21D5/00 H01M10/54 H01M8/00 H02K55/02 H02K7/09 (Advanced/Invention)

CPC: Y02E30/40 G21D1/00 B01J19/0093 B01J2219/00864 B01J2219/00867 B01J2219/00871 C01G21/02 C01B3/32 C01B13/02 C01B17/02 C01B2203/0205 C01B2203/0283 C01B2203/043 C01B2203/0445 C01B2203/0475 C10G1/02 C10G1/10 C10G31/08 C10G75/04 Y02P20/129 B09B5/00 Y02P30/446 Y02E30/30 B01D3/10 B01D3/006 B01D3/06 B01D39/2027 F03G7/00 B01D3/009 C10G7/06 G21C1/00 G21D5/00 C10G7/00 C10G57/00 C10G7/003 C10L9/10 C10J3/72 C10G1/00 C01B17/027 C01B17/74 B01J6/008 B01J2/00 B01J19/24 B01D53/48 B01D53/62 C22B9/00 F27B17/00 C02F1/00 C22B7/00 B29B17/00 B22F3/10 B22F9/00 C22B21/00 C22B15/00 C22B13/00 H01M8/00 H01M10/54 H02K55/02 H02K7/09 B02C23/00 B03C1/00 C10L2290/544 C10J2300/093

C10J2300/0946 B22F2009/001 C01B17/48 C10G11/18 C10G33/00 C10G45/00 Y02E20/16 Y02E20/18 Y02W10/33 Y02W10/37 Y02W30/84 C01B32/05 C01B32/20 C01B32/50

US class: 196/46 202/232 209/213 210/251 241/301 241/65 266/160 310/90.5 422/129 422/170 422/187 422/198 422/255 423/522 423/567.1 429/49 505/163 505/166 60/698

Classification Explorer

Cited documents: WO12100247 A2, WO12085880 A2, WO10077141 A1, WO0003807 A1, US7452515 BA, US7220365 BB, US6325840 BA, US6193194 BA, US5251976 A, US5247548 A, US5139764 A, US5020411 A, US4904347 A, US4018567 A, US3931503 A, US3870507 A, US3850620 A, US3836339 A, US3168807 A, US3052535 A, US2013256113 AA, US2013055699 AA, US2012220509 AA, US2012027156 AA, US2011308158 AA, US2011168541 AA, US2010192980 AA, US2009120842 AA, US2009011291 AA, US2008093302 AA, US2007044659 AA, US2006211899 AA, US2006002829 AA, US2005167333 AA, JP2012229959 A2, EP2510994 A1, EP1249485 A1, CN101376068 A,

Forward Citations: WO17044178, WO17034980, WO16094264, WO16057636, WO15200478, WO15143574, US9725652, US9719933, US9658044, US9640370, US9636633, US9614743, US9598653, US9588229, US9561463, US9505999, US9487908, US9458597, US9410414, US2017175564, US2017058723, US2017058721, US2017058703, US2016339535, US2016333831, US2016333286, US2016326040, US2016313058, US2016258730, US2016102260, US2016057039, US2015353388, US2015107822, US2015104357, US2015008156, US2014277754, US2014174658, US2013335079, US2012133464, KR101759327, GB2542051,

Abstract:
Source: US2016030856A The distillation reactor consists of a reactor apparatus with corresponding method of upstream distilling and purification of carbon based liquid or liquidized streams for use as fuels, lubricating oils and or gaseous energy and electricity production. The distillation reactor consolidates the atmospheric and vacuum distillation processes along with desalting, defueling, deasphalting, fractionation, thin/wiped film evaporation and Hydro finishing into an advanced high velocity, high volume single reactor system. Carbon based feed streams include either a single stream or preferably, a combined stream of liquefied coal slurries, crude oils, spent oils, Pyrolyic oils and or peat or other plant carbon derived liquids, vapors, mists or gases. The method further consists of controlling the mix ratio, flow velocity, sequential fractionation and filtration technology and processing atmospheres of the carbon feeds with the reactor apparatus. The combined apparatus and method allows for a refinery to consistently produce a finished barrel of oil well below traditional costs and at a higher efficiency than current art and prior art.

0) US2001013244A – METHOD AND APPARATUS FOR VERIFYING INTEGRITY OF...

70) Family number: 29729673 (US2001013244A) © PatBase

Title: Method and apparatus for verifying integrity of cascade impactors

Priority: US19990138742 19990611 US19990138742P 19990611 US19990360466 19990723 US20000733108 20001208 US20020071273 20020207 US20000733106 20001208 US20000679936 20001005 US20000567552 20000505 US20010266984P 20010207 US20040823143 20040413 WO2002US03893 20020207

Family:

Publication number	Publication date	Application number	Application date
AT391903 E	20080415	AT20020709445T	20020207
AU2002243928 AA	20020819	AU20020243928	20020207
DE10028599 A1	20001228	DE20001028599	20000609
DE10028599 B4	20120209	DE20001028599	20000609
DE10149048 A1	20020704	DE20011049048	20011005
DE10160573 A1	20020620	DE20011060573	20011210
DE10160590 A1	20020613	DE20011060590	20011210
DE60226018 D1	20080521	DE20026026018	20020207
DE60226018 T2	20090520	DE20026026018T	20020207
EP1379853 A2	20040114	EP20020709445	20020207
EP1379853 B1	20080409	EP20020709445	20020207
GB200014300 A0	20000802	GB20000014300	20000612
GB200123978 A0	20011128	GB20010023978	20011005
GB200128625 A0	20020123	GB20010028625	20011129
GB200129158 A0	20020123	GB20010029158	20011205
GB2351155 A1	20001220	GB20000014300	20000612
GB2351155 A8	20080717	GB20000014300	20000612
GB2351155 B2	20030702	GB20000014300	20000612
GB2351155 B8	20080717	GB20000014300	20000612
GB2369784 A1	20020612	GB20010029158	20011205
GB2369784 B2	20050316	GB20010029158	20011205
GB2371861 A1	20020807	GB20010023978	20011005
GB2371861 A8	20080804	GB20010023978	20011005
GB2371861 B2	20040714	GB20010023978	20011005
GB2371861 B8	20080804	GB20010023978	20011005
GB2372719 A1	20020904	GB20010028625	20011129
GB2372719 B2	20040818	GB20010028625	20011129
US2001013244 AA	20010816	US20000733106	20001208
US2002071342 AA	20020613	US20000733108	20001208
US2002081748 AA	20020627	US20020071273	20020207
US2004250634 AA	20041216	US20040823143	20040413
US6431014 BA	20020813	US19990360466	19990723
US6453758 BA	20020924	US20000567552	20000505
US6520673 BB	20030218	US20000733108	20001208
US6647758 BB	20031118	US20000733106	20001208
US6723568 BA	20040420	US20000679936	20001005
WO02063277 A2	20020815	WO2002US03893	20020207
WO02063277 A3	20030220	WO2002US03893	20020207

Probable Assignee: MSP CORP

Assignee(s):(std)**:** MSP CORP

Assignee(s): MSP CORP MINNEAPOLIS ; PNC BANK NATIONAL ASSOCIATION ; ROBERTS DARYL L ; MARPLE VIRGIL A ; MILLER NICHOLAS C

Inventor(s):(std) MARPLE VIRGIL ; MILLER NICHOLAS ; ROBERTS DARYL ; ROBERTS DARYL L ; MILLER NICHOLAS C ; MARPLE VIRGIL A ; LIU BENJAMIN Y H

Inventor(s): VIRGIL A MARPLE ; NICHOLAS C MILLER ; BENJAMIN Y H LIU ; BENJAMIN YH LIU ; DARYL L ROBERTS ; LIU BENJAMIN YH

Agent(s): MCLEISH NICHOLAS ALISTAIR MAXWELL ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZM ZW

International class (IPC 8–9): A61M15/00 B01F15/00 B01F9/00 B01F9/04 G01N1/22 G01N1/40 G01N15/02 G01N30/00 (Advanced/Invention); B01F1/00 B01F15/02 G01N1/24 G01N1/34 G01N1/38 G01N15/00 G01N15/02 (Advanced/Non–invention); A61M15/00 B01F15/00 B01F9/00 G01N1/22 G01N15/02 (Core/Invention); B01F1/00 B01F15/02 G01N1/34 G01N1/38 G01N15/00 G01N15/02 (Core/Non–invention)

International class (IPC 1–7): A61J3/00 B01D45/08 B01F3/06 B01F3/12 B01F9/00 G01M19/00 G01M7/00 G01N1/00 G01N1/12 G01N1/22 G01N1/24 G01N1/40 G01N15/00 G01N15/02 G01N3/30 G01N30/00 G01N33/00

CPC: G01N2015/0046 G01N1/24 Y10T436/25 G01N1/2208 A61M15/00 A61M2202/064 A61M2209/02 A61M2209/045 B01F1/00 B01F9/0005 B01F9/005 B01F9/04 B01F15/00025 B01F15/0201 G01N15/0255 G01N15/0272 G01N2001/2223 G01N2001/386 G01N2001/4061 G01N2015/0261 G01N2015/0288

European class: A61M15/00 B01F15/00G2 B01F9/00D B01F9/00P2B16 B01F9/04 G01N1/22B G01N1/22B3 G01N15/02C K61M202/06B K61M209/02 K61M209/04F L01F1/00 L01F15/02B S01N1/22B3 S01N1/22B9A S01N1/24 S01N1/38E S01N1/40S1 S01N15/00S2 S01N15/02C2 S01N15/02F S01N15/02K S01N15/02T

US class: 134/32 134/32S 209/133 366/213 366/213P 366/217 366/217S 422/68.1 422/68.100S 436/174 436/174P 55/318 55/319 73/1.06 73/106 73/12.01 73/12.010S 73/12.08 73/12.080P 73/28.03 73/28.05 73/280.3 73/37 73/863.03 73/863.22 73/863.220P

Classification Explorer

Cited documents: WO0184108 A2, US81748 A, US6723568, US6453758 BA, US6431014 BA, US6391151 BB, US6363800 BA, US6267016 BA, US6143573, US6101886 A, US5693895 A, US5496110 A, US5437198 A, US5383163 A, US5343767 A, US5323657 A, US5201231 A, US5197802 A, US5040424 A, US4972957 A, US4907893 A, US4827779 A, US4789245 A, US4764186 A, US4725294 A, US4670135 A, US4640140 A, US4570494 A, US4554051 A, US4523990 A, US4523855 A, US4463595 A, US4452068 A, US4400982 A, US4391151 A, US4387603 A, US4329068 A, US4321822 A, US4274846 A, US4255172 A, US4211116 A, US4189937 A, US4162129 A, US4133202 A, US4057148 A, US4004883 A, US3999742 A, US3983743 A, US3922905 A, US3901798 A, US3795135 A, US3693457 A, US3614434 A, US3518815 A, US3127763 A, US3086332 A, US3001914 A, US2989061 A, US29793 A, US2947164 A, US2650805 A, US2538116 A, US2002069691 AA, US2001029793 AA, US2001013244 AA, US1913979 A, US1755763 A, US13244 A, US1148786 A, US1077456 A, RU840707, JP56076033 A2, JP560760, JP560760, JP560076033, JP56000760 A2, GB2369784 A1, GB2351155 A1, GB2179273 A1, GB1354261 A, FR2695135 A1, DE3545120 A1, DE3110871 A1, DE2832238 A1, DE10149048 A1, DE10028599 A1,

Forward Citations: WO17085692, WO16067252, WO14153142, WO12150958, WO12123078, WO10033293, WO08095942, WO07120700, WO07120700, WO05099404, WO05099404, WO05038466, WO05015171, WO05015171, WO03044491, WO03019154, WO03019154, WO03004101, WO02063277, WO02063277, USRE44723, US9709541, US9699554, US9668048, US9558755, US9518911, US9513278, US9500569, US9304117, US9138671, US9126140, US9121845, US9121792, US9084958, US9044748, US8955400, US8813583, US8796033, US8767211, US8689648, US8685262, US8671874, US8671738, US8627731, US8596462, US8596148, US8474335, US8252088, US8197120, US8137446, US8015727, US7993585, US7987695, US7736589, US7721589, US7669488, US7659523, US7632353, US7631568, US7616310, US7606178, US7604006, US7532314, US7518710, US7499167, US7458284, US7325969, US7173257, US7152457, US7082811, US7082811, US6786105, US6732569, US6723568, US6685759, US6647758, US2015335530, US2015330965, US2014347663, US2014196549, US2014059985, US2014007708, US2013095010, US2011209528, US2011167932, US2011167931, US2011088492, US2011013479,

US2010288057, US2010261280, US2010229657, US2010108875, US2009320562, US2009078062, US2009066934, US2009056417, US2009027674, US2008316857, US2008295572, US2008047372, US2007269349, US2007205142, US2006268749, US2006246010, US2006240557, US2006102074, US2006007780, US2005102854, US2005081600, US2005028616, US2005016527, US2004250634, US2004065142, US2002134137, US2002081748, RU2506121, KR101740688, JP5747875, JP2015180266, JP2013090907, JP2007501399, GB2496003, GB2496003, GB2453097, GB2453097, GB2449373, GB2449373, GB2441556, GB2441556, GB2372719, GB2372719, GB2371861, GB2371861, EP2679985, EP2527422, EP2343528, EP2115425, EP1688730, EP1455872, EP1379853, CN105259083, CN104226165, CN103477202, CN103477202, CN103071174, CN103071174, CN102713556, CN102713556, CN102323116, AU2001293092,

Abstract:
Source: US2001013244A An impactor assembly comprises a base for supporting a plurality of cups that form impactor plates, and a nozzle above each of the cups through which a flow passes for classification. The cover is removable, and a test cover can be put into position for mounting in place and providing outlets connectable to pressure sensor for determining pressure drop across the nozzle plates at each impactor stage. The cover also is designed to be easily washed by having no blind cavities or moving parts on the cover, and the latch and other hinge assemblies are all supported on the base. The flow enters and exits the impactor without having external connections on the cover.

0) US4842724A – WATER PURIFICATION APPARATUS

71) Family number: 3051724 (US4842724A) © PatBase

Title: Water purification apparatus

Priority: US19880227694 19880803

Family:

Publication number	Publication date	Application number	Application date
US4842724 A	19890627	US19880227694	19880803

Probable Assignee: NIMBUS WATER SYSTEMS INC 2316 VINEYARD AVE ESCONDI

Assignee(s):(std)**:** NIMBUS WATER SYSTEMS INC

Assignee(s): NIMBUS WATER SYSTEMS INC 2316 VINEYARD AVE ESCONDI

Inventor(s):(std)**:** BRAY DONALD T ; SIMONIS RICHARD A

International class (IPC 8–9)**:** B01D61/08 B01D61/12 B67D7/76 (Advanced/Invention)

International class (IPC 1–7)**:** B01D13/00

CPC: B01D61/025 B01D61/08 B01D61/12 B67D7/76 C02F1/441 C02F9/005 C02F2209/05

European class: B01D61/08 B01D61/12 B67D7/76 C02F9/00B L01D61/02D M02F1/44B M02F209/05

US class: 210/104 210/135 210/172.1 210/257.2 210/416.3

Classification Explorer

Cited documents: US4773991 A, US4770770 A, US4752389 A, US4169789 A,

Forward Citations: WO9400216, WO16175703, WO10009888, WO03061811, WO03061811, USRE42669, USD551736, USD501912, US9517958, US8852438, US8177969, US8119012, US8083936, US7922008, US7850859, US7749394, US7740766, US7740765, US7615152, US7537701, US7267769, US6524483, US6524472, US6485644, US6319414, US6120688, US5807463, US5560393, US5454944, US5445729, US5389214, US5328584, US5324398, US5296148, US5290442, US5151180, US5126043, US4902411, US2010326897, US2009032453, US2008314808, US2008093299, US2008060989, US2007163930, US2007144952, US2007045159, US2006175243, US2006065601, US2004238432, RU2494970, FR2895917, FR2834981, FR2689538, EP2119677, EP0565426, AU2009273467,

Abstract:
Source: US4842724A Self–standing apparatus for filtering supply water to provide purified water includes a base subassembly and two container subassemblies. One container subassembly provides supply water to filtering apparatus located in the base subassembly. The second container holds purified water which passes through a semipermeable membrane filter in the base subassembly. Concentrate from the membrane filter flows back to the supply water container for ultimate recirculation. The base subassembly and the container subassemblies have automatically closing valves which render each container water–tight when separated from the base subassembly, and which open to provide communication between the containers and filtering apparatus within the base subassembly.

0) US2004226962A – AUTOMATIC LIQUID DISPENSER

72) Family number: 31339723 (US2004226962A) © PatBase

Title: AUTOMATIC LIQUID DISPENSER

Priority: US20030470786P 20030515 US20030638513 20030811

Family:

Publication number	Publication date	Application number	Application date
US2004226962 AA	20041118	US20030638513	20030811
WO04103885 A2	20041202	WO2004US11294	20040413
WO04103885 A3	20060622	WO2004US11294	20040413

Probable Assignee: WASKIN DAVID

Assignee(s):(std)**:** MAZURSKY RICHARD ; WASKIN DAVID ; WASKIN DAVID M

Inventor(s):(std)**:** MAZURSKY RICHARD ; WASKIN DAVID ; WASKIN DAVID M

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47K5/12 (Advanced/Invention); A47K5/00 (Core/Invention)

International class (IPC 1–7): A47K5/12 B67D5/08

CPC: A47K5/1217

European class: A47K5/12E

US class: 222/105 222/108 222/325 222/333 222/52 222/64 222/95

Classification Explorer

Cited documents: US6431400 BA, US6390329 BA, US5305916 A, US5186360 A, US5100030 A, US2215688 A, US2003226853 AA, US1821510 A,

Forward Citations: WO15195706, WO15095864, WO15071406, WO13006262, WO13006262, WO12111014, WO12111014, WO12064505, WO11156082, WO11135338, WO11135336, WO11130768, WO09058839, WO09021773, WO09021773, WO07056097, WO06134314, USD785970, USD773848, USD770798, USD766615, USD733455, USD731204, USD731203, USD730077, USD699475, USD693597, USD674636, USD665229, USD663983, USD659452, USD651848, USD651453, USD651042, USD650631, USD650630, USD639116, US9700182, US9499384, US9301654, US9265383, US9204765, US9155417, US9126818, US9120610, US8960498, US8893928, US8881958, US8800820, US8783511, US8770447, US8757227, US8746510, US8678244, US8651328, US8444012, US8397948, US8261950, US8261941, US8210396, US8186544, US8151596, US8109411, US8096445, US8091735, US8087543, US7828020, US7673661, US7651015, US7614524, US7594525, US6980126, US2016220078, US2016207692, US2015266657, US2014138402, US2014131384, US2014054322, US2013056497, US2012273519, US2012168459, US2012037664, US2012024891, US2011215115, US2011121017, US2011114669, US2010327022, US2010134296, US2010089944, US2009308887, US2009266842, US2009152293, US2009140004, US2009057341, US2009039107, US2008264092, US2008185399, US2008185398, US2008185396, US2008173705, US2008156008, US2007000941, US2006144244, US2006016347, US2006000851, US2004099691, US2004075584, JP2014523732, JP2013529477, GB2472982, GB2472982, EP2865307, EP2579831, EP2561820, DE102009017069, DE102007054320, DE102004063782, CN103975498, CN102939067, CN102939036, CN102939035, AU2006311952,

Abstract:
Source: US2004226962A A free–standing or wall–mounted dispenser and system for automatically dispensing liquid, includes a base, which may be shaped so that the dispenser remains free of dispensed liquid, and may include a removable tray to catch accidentally or residually dispensed liquid. The dispenser generates an infrared signal in the proximity of the dispenser's spigot. A user's hand, or other object, intersects the infrared signal and causes the unit to dispense liquid. The dispenser accepts a DC power source, and includes an on–off switch,

which can be switched off for refilling, moving or cleaning the dispenser, and prolonging battery life. A disposable liquid cartridge in the form of a bag or bottle with a valve can be incorporated into the system, together with a master switch disabling the dispenser until an acceptable keyed cartridge is properly inserted.

0) US4159788A – WALL MOUNTED FLUID DISPENSER

73) Family number: 7471976 (US4159788A) © PatBase

Title: Wall mounted fluid dispenser

Priority: US19770832731 19770912 US19790010031 19790207

Family:

Publication number	Publication date	Application number	Application date
US4159788 A	19790703	US19770832731	19770912
US4248398 A	19810203	US19790010031	19790207

Probable Assignee: DOYEL JOHN S

Assignee(s):(std)**:** DOYEL JOHN S

Inventor(s):(std)**:** DOYEL JOHN S

International class (IPC 8–9): A47K1/08 A47K5/12 (Advanced/Invention); A47K1/08 A47K5/00 (Core/Invention)

International class (IPC 1–7): A47K1/08 B67D5/60

CPC: A47K1/08 A47K5/1207

European class: A47K1/08 A47K5/12C1 A47K5/12C1B

US class: 222/144.5 222/181.2 222/340 222/510 248/220.1 248/311.3

Classification Explorer

Cited documents: US4039104 A, US3945499 A, US3902637 A, US3813813 A, US3688895 A, US3540630 A, US3511386 A, US3464567 A, US3316040 A, US3254804 A, US3229844 A, US3178059 A, US3138414 A, US2772814 A, US2764324 A, US2718335 A, US2473696 A, US2364326 A, US1953200 A, US1866237 A, SU401594 T, FR622451 A,

Forward Citations: WO04022498, USD783305, USD599501, USD425351, US8075847, US7857170, US7429023, US6966463, US6729502, US6648179, US6575335, US6575334, US6543651, US6540117, US6533145, US6516976, US6247621, US5452825, US5340070, US5219394, US5183182, US4880145, US2014319171, US2008107576, US2008078894, US2007257061, US2004188470, EP1396479, EP1396478, EP0379118,

Abstract:
Source: US4159788A A fluid dispenser is disclosed, most of whose parts along with its wall–mounting bracket are of a resilient plastic such as polystyrene and cooperate in such manner as to permit hand assembly. The dispenser comprises a facade member on which a plurality of separate containers for different fluid substances are mounted, and each container is provided with a simplified dispensing valve and operator, composed of snap–fitted parts, for dispensing a premeasured amount of the fluid. The wall mounting bracket is provided with adjustment plates for corner mounting the dispenser on irregular walls, and a top cover fits over the facade member, containers and wall bracket forming a shelf and sealing the fluid in the containers.

0) US2002089894A – DEVICE FOR STORING, MIXING AND DISPENSING LIQUI...

74) Family number: 28240040 (US2002089894A) © PatBase

Title: Device for storing, mixing and dispensing liquids

Priority: US20010756576 20010108

Family:

Publication number	Publication date	Application number	Application date
US2002089894 AA	20020711	US20010756576	20010108
WO02066148 A1	20020829	WO2001US47858	20011210

Probable Assignee: PARLOR SR TIMOTHY

Assignee(s):(std): PARLOR SR TIMOTHY

Assignee(s): PARLOR TIMOTHY ; PARLOR SR

Inventor(s):(std): PARLOR SR TIMOTHY ; PARLOR TIMOTHY

Inventor(s): PARLOR SR

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): B01F13/00 B01F15/00 B01F7/16 B67D3/00 (Advanced/Invention); B67D1/00 (Advanced/Non–invention)

International class (IPC 1–7): B01F7/16 B01F7/20

CPC: B01F7/1695 B01F13/002 B01F15/00519 B01F15/00681 B67D1/0047 B67D3/0012 B67D2210/00128

European class: B01F13/00K2B B01F15/00L8D B01F15/00M2B2 B01F7/16S B67D1/00H2B4B B67D3/00 B67D3/00D L67D210/00D16

US class: 366/245 366/245P 366/251 366/251S

Classification Explorer

Cited documents: US6176387 BA, US5467888 A, US5368387 A, US4353182 A, US2289645 A, US1776054 A, US1718745 A, US1008604 A,

Forward Citations: WO15002374, US9713799, US9375689, US9039274, US7766540, US7735677, US7717613, US7178979, US6959562, US2015114024, US2013008321, US2008049547, US2008047497, US2007297281, US2007081419, US2007056974, US2006158959, US2006018187, US2005229861, US2005229795, US2005174882, US2005126201, ITMI20091896, FR3001640, FR2925358, DE102006043534,

Abstract:
Source: US2002089894A An insulated, portable liquid storing, mixing and dispensing device wherein a portable insulated container has a motorized mixer mounted therein and a dispensing valve mounted therethrough, thereby enabling liquids to be stored, effectively stirred, mixed and dispensed while an insulated environment is maintained.

0) US2010019062A – TANK SPRAYER WITH SEPARATE CONCENTRATE CONTAINE...

75) Family number: 44283920 (US2010019062A) © PatBase

Title: TANK SPRAYER WITH SEPARATE CONCENTRATE CONTAINER

Priority: US20080178093 20080723

Family:

Publication number	Publication date	Application number	Application date
CA2673693 AA	20100123	CA20092673693	20090723
US2010019062 AA	20100128	US20080178093	20080723

Probable Assignee: ROOT LOWELL MFG CO

Assignee(s):(std): ROOT LOWELL MFG CO ; ROOT LOWELL MFG COMPANY

Assignee(s): CLARKE MICHAEL T ; ROOT LOWELL MANUFACTURING COMPANY

Inventor(s):(std): CLARKE MICHAEL T

Agent(s): WATERS AND ASSOCIATES

International class (IPC 8–9): B05B11/00 B05B7/32 B05B9/04 B67D5/60 B67D7/78 (Advanced/Invention); B05B11/00 B05B7/24 B05B9/04 B67D7/78 (Core/Invention)

CPC: A01M7/0092 A01M21/043

European class: A01M21/04B A01M7/00G1

US class: 222/145.1 239/373

Classification Explorer

Cited documents: US5669558 A, US5221026 A, US5152461 A, US5072884 A, US4984742 A, US4930686 A, US4790454 A, US4782982 A, US3977602 A, US3265308 A, US3002698 A, US2772921 A, US2122639 A, US2001023900 AA,

Forward Citations: US9706754, US2015128873,

Abstract:
Source: US2010019062A A manually pressurizable house and garden tank sprayer employing a separate diluent tank and liquid chemical concentrate container, wherein the concentrate container is mounted to and carried by the diluent container or by a spray wand. The tank containing diluent is pressurized by a conventional hand pump, and the same hand pump pressure pressurizes the concentrate container. The diluent and concentrate chemical are not admixed until just before the liquids are dispensed, so that unused chemicals are not contaminated or diluted until they are used.

0) US3126916A –

76) Family number: 22359760 (US3126916A) © PatBase

Family:	Publication number	Publication date	Application number	Application date
	US3126916 A	19640331		00000000

International class (IPC 8–9): E03D1/28 E03D1/38 E03D5/02 (Advanced/Invention); E03D1/00 E03D1/24 E03D5/00 (Core/Invention)

International class (IPC 1–7): E03D1/28 E03D1/38 E03D5/02 F16K31/20

CPC: E03D1/38 E03D1/286 E03D5/026 Y10T137/4372 Y10T137/86871 Y10T137/87829

European class: E03D1/28D E03D1/38 E03D5/02D

US class: 137/246.12 137/625.47 137/877 251/312 251/355

Classification Explorer

Cited documents: US2820470, US2734523, US2404996, US1008097,

Forward Citations: US4449544, US4262689, US3233865,

Abstract:
Source: US3126916A (Claim 1) 1. A diverter valve assembly for the water supply system of a water closet includin.– a water storage tank and a rim flush, said assembly comprising a body having a cylindrical chamber open at one end and provided with circumferentially spaced water supply inlet, tank discharge and rim flush ports, a cantilever bearing housin_ projecting outwardly from said open end of said chamber and having a cylindrical bore in axial alinement with said chamber, a water lubricated rotary diverter valve includ– ing a head rotatable in and spaced from the inner periphery of said chainber for opening and substantially closing said rim flush port and a spindle rotatable in said bore, means forming axially spaced bearing portions between said spindle and housing, atid means forming a peripheral opening in said housing between said bearing portions and in communication with said bore for the escape of lubricating water from said housing.

0) US4603620A – VPS WITH HOT WATER DISPENSER

77) Family number: 3637447 (US4603620A) © PatBase

Title: VPS with hot water dispenser

Priority: CA19860499500 19860114 US19850697259 19850201

Family:

Publication number	Publication date	Application number	Application date
CA1248771 A1	19890117	CA19860499500	19860114
US4603620 A	19860805	US19850697259	19850201

Probable Assignee: BUNN O MATIC CORP

Assignee(s):(std)**:** BUNN O MATIC CORP

Assignee(s): DAUGHERTY DONALD L

Inventor(s):(std)**:** DAUGHERTY DONALD L

Agent(s): OSLER HOSKIN AND HARCOURT LLP

International class (IPC 8–9)**:** A47J31/057 A47J31/24 A47J31/40 A47J31/46 (Advanced/Invention); A47J31/04 A47J31/44 (Core/Invention)

International class (IPC 1–7)**:** A47J31/24 A47J31/40

CPC: A47J31/057 A47J31/46

European class: A47J31/057 A47J31/46

US class: 99/284 99/290 99/300 D7/308 D7/309

Classification Explorer

Cited documents: US4476775 A, US4178842 A, US3590724 A, US3336856 A, US3126812 A,

Forward Citations: WO12083898, USD696889, USD587510, USD585230, USD557971, USD489931, USD430770, US9427106, US8087346, US7051647, US7021197, US6073539, US5875703, US5836236, US5829340, US5265518, US5235902, US5113752, US4947738, US4901630, US4892031, US4829888, US4809594, US4782744, US2016183714, US2014020564, US2012090474, US2010018404, US2008028944, US2005045044, US2005011364, CN103932593, CN101953641,

Abstract:
Source: US4603620A A combination beverage brewer and hot water dispenser having a hot water supply tank from which hot water may be selectively supplied to either a beverage brewing funnel or to a hot water tank equipped with a faucet. Cool or cold water may be introduced into the hot water supply tank to displace an equal volume of hot water and maintain the hot water supply tank in filled condition. Hot water can be drawn off through the faucet at the same time hot water is flowing from the hot water supply tank to the brewing funnel and without interfering with the brewing operation.

0) US2006150531A – WALL PANEL AND WALL PANEL SYSTEM

78) Family number: 33111844 (US2006150531A) © PatBase

Title: WALL PANEL AND WALL PANEL SYSTEM

Priority: AU20040907281 20041223 AU20050244607 20051220 AU20050903178 20050617

Family:

Publication number	Publication date	Application number	Application date
AU2005244607 AA	20060713	AU20050244607	20051220
AU2005244607 BB	20070524	AU20050244607	20051220
US2006150531 AA	20060713	US20050275329	20051223
US7603823 BB	20091020	US20050275329	20051223

Probable Assignee: SUPERWALL SYSTEMS PTY LTD

Assignee(s):(std)**:** SUPERWALL SYSTEMS PTY LTD

Inventor(s):(std)**:** CANN ROBERT J B ; CANN ROBERT JOHN BUCKINGHAM ; ROBERT JOHN BUCKINGHAM CANN

Inventor(s): CANN ROBERT JB ; CANN ROBERT

Agent(s): WRAYS; JANET STEAD AND ASSOCIATES PATENT AND TRADE MARKS ATTORNEYS; NIXON AND VANDERHYE PC

International class (IPC 8–9): E03B3/03 E04B1/70 E04B2/00 E04C2/52 E04D13/00 (Advanced/Invention); E03B3/00 E04B1/70 E04B2/00 E04C2/52 E04D13/00 (Core/Invention)

CPC: Y10T137/6969 Y10T137/698 Y10T137/86212 E03B3/03 E04C2/20 E04C2/36

European class: E03B3/03 E04C2/20 E04C2/36

US class: 137/357 137/360 137/574 52/11 52/16 52/168 52/2.22 52/2.23 52/302.1 52/302.7 52/425 52/426 52/503

Classification Explorer

Cited documents: WO04003934 A1, US6792729 BB, US6742758 BB, US6698150 BA, US6401419 BA, US6357183 BA, US6345483 BA, US6260320 BA, US6070380 A, US5768851 A, US5657601 A, US5535565 A, US3935681 A, US3024879 A, US2261510 A, US2006150531 AA, US2003095834 AA, US2001029717 AA, GB2366831 A1, AU6243400 A1, AU5300894 A1, AU4530094 A1, AU4530094, AU4008993 A1, AU200062434, AU199453008, AU199340089,

Forward Citations: WO12023028, US9562353, US9464428, US9279271, US8973313, US8474221, US8474195, US8404110, US8359814, US8322105, US8291647, US8136304, US8074405, US8024908, US7603823, US2015143757, US2013104994, US2011303307, US2011214360, US2011135423, US2011134653, US2010064630, US2009223143, US2009126280, ITBR20100006, FR3002261, FR2955126, FR2919582, FR2914333, EP2351479, EP2351479, EP1978163,

Abstract:
Source: US2006150531A A wall panel 100 has an elongate hollow body portion 102 having a storage cavity 103 provided therein for retaining water. The body portion 102 has a rectangular cross–section defined by an inner wall 104 and an outer wall 106 held in spaced apart relation by two side walls 108 a and 108 b. Each side wall 108 is adapted to be joined to the side wall 108 of an adjacent wall panel 100' so as to form a wall tank 110 for a building. Each wall panel 100 thus forms a structural component of the wall 110, which is sufficiently strong to support a roof structure 112 thereon. The side walls 108 are provided with an opening 120 therein, adapted to align with a matching opening 120' in the side wall 108' of an adjacent wall panel 100', to permit the communication of water from the cavity 103 in one wall panel to the cavity 103' in the adjacent wall panel. The storage cavity 103 is bounded at the top by a lid 132 and at the bottom by a base tray 130.

0) US2525709A – REFRIGERATED DRINKING FOUNTAIN

79) Family number: 22248496 (US2525709A) © PatBase

Title: REFRIGERATED DRINKING FOUNTAIN

Priority: US19470789475 19471203

Family:

Publication number	Publication date	Application number	Application date
US2525709 A	19501010	US19470789475	19471203

Probable Assignee: SUNROC REFRIGERATION CO

Assignee(s):(std)**:** SUNROC REFRIGERATION CO ; SUNROC REFRIGERATION COMPANY

Inventor(s):(std)**:** MORRISON SAMUEL O

International class (IPC 8–9)**:** E03C1/044 F25D31/00 (Advanced/Invention); E03C1/04 F25D31/00 (Core/Invention)

International class (IPC 1–7)**:** B67D5/62 E03C1/044

CPC: F25D31/002

European class: F25D31/00C

US class: 251/117 62/319 62/391 62/397

Classification Explorer

Cited documents: US2311425 A, US2213274 A, US1708184 A, US1692066 A, US1551572 A, US1337206 A, US1319377 A, US1228836 A,

Forward Citations: US6422308, US5486285, US5279328, US5152465, US4207994, US2016116201, DE202006005320,

Abstract:
Source: US2525709A (Claim 1) 1. Having thus described my invention what I claim as new and desire to secure by Letters Patent is: l. In a water cooler, a mechanical refrigeration uint including a. cooling unit, a water storage receptacle in heat transfer relation to the cooling unit, a dispenser connected to the water storage receptacle, an air connection to the water storage receptacle to introduce air to replace the water dispensed, a filter at the inlet of the water storage connection to purify the inlet air and a conduit conveying a Water drip over the iilter to clean thevsame.

0) US4800018A – PORTABLE WATER PURIFICATION SYSTEM

80) Family number: 2832495 (US4800018A) © PatBase

Title: Portable water purification system

Priority: US19870031857 19870330

Family:

Publication number	Publication date	Application number	Application date
US4800018 A	19890124	US19870031857	19870330

Probable Assignee: MOSER RONALD T

Assignee(s):(std)**:** MOSER RONALD T

Inventor(s):(std)**:** MOSER RONALD T

International class (IPC 8–9): C02F1/00 C02F1/50 (Advanced/Invention)

International class (IPC 1–7): B01D27/02

CPC: C02F1/003 C02F1/505 C02F2201/006

European class: C02F1/00D4 C02F1/50B M02F201/00D8

US class: 210/266 210/282 210/470 210/472 210/484

Classification Explorer

Cited documents: US3799352 A, US3392837 A, US3327859 A, US2633990 A, GB338021 A,

Forward Citations: WO9214534, WO9115281, WO9110494, WO13134470, WO13116481, WO10111564, WO10111563, WO0061497, WO0061497, USD783773, USD782610, USD782609, USD533622, US9656191, US9352252, US8926840, US8883005, US8425771, US8394268, US8318011, US8313644, US8252185, US8216462, US8128820, US8029677, US7828967, US7413663, US7326334, US7303683, US7297281, US7276161, US6989101, US6733669, US6638426, US6572769, US6217545, US5980743, US5928512, US5914456, US5840185, US5837039, US5718827, US5716432, US5688588, US5685087, US5653878, US5635079, US5635063, US5560393, US5554288, US5552046, US5522204, US5454944, US5290442, US5269919, US5268093, US5215659, US5167819, US5122272, US5116500, US5110479, US5106500, US5045195, US4999109, US4995975, US2014263014, US2011168644, US2011011809, US2010243583, US2010243582, US2010065509, US2010032381, US2008302714, US2008251443, US2008041790, US2007138081, US2007131627, US2006060530, US2005098485, US2004251210, US2004251190, US2004094465, US2004007516, RU2509059, RU2509058, FR2886286, EP1728767, CN102365239, CN102365238,

Abstract:
Source: US4800018A A simplified portable water purification system provides an unfiltered water receiving compartment, a disposable filter cartridge, and a filtered water reservoir all in a single container. The container has a removable lid and is a vertically positioned, wide–mouth, tubular structure. The disposable filter cartridge is horizontally positioned centrally and divides the container into the two compartments. Contaminated and unfiltered water poured into the top receiving compartment of the container gravitates through filtering materials in the disposable filter cartridge. Filtering materials comprising a top macro fabric filter, a core of silver impregnated granular activated carbon, and a bottom micro fabric filter remove contaminants and sediments from the water percolated through the disposable filter cartridge. The taste of the water is improved and possible odors are removed. A spigot is provided low on the container into the filtered water recovery and reservoir compartment for drawing filtered water to use.

0) US5993739A – CONTINUOUS WASHING SYSTEM

81) Family number: 11888534 (US5993739A) © PatBase

Title: Continuous washing system

Priority: US19970960156 19971029

Family:

Publication number	Publication date	Application number	Application date
US5993739 A	19991130	US19970960156	19971029

Probable Assignee: LYON LARRY R

Assignee(s):(std)**:** LYON LARRY R

Assignee(s): CHAIRCARE

Inventor(s):(std)**:** LYON LARRY R

International class (IPC 8–9)**:** B08B3/02 B60S3/04 (Advanced/Invention); B08B3/02 B60S3/04 (Core/Invention)

International class (IPC 1–7)**:** A61L9/14

CPC: B08B3/022 B60S3/04

European class: B08B3/02B B60S3/04

US class: 134/108 134/111 134/123 134/15 134/18 134/26 134/29 134/32 134/36 134/37 134/72 134/99.2 134/992 422/105 422/107 422/111 422/28 422/292 422/3 422/300 422/304 422/31

Classification Explorer

Cited documents: US797298 A, US764657 A, US5622196 A, US5285802 A, US5133375 A, US5103846 A, US5033609 A, US4946718 A, US4888155 A, US4807319 A, US4561904 A, US4415539 A, US4061152 A, US3986832 A, US34671 A, US3258019 A, US3179117 A, US2997048 A, US2981266 A, US1734585 A,

Forward Citations: WO12038792, WO12028634, WO08131546, WO08100745, WO03002391, USRE42743, US9665397, US9594723, US9396161, US9377230, US9330058, US9295741, US9164952, US9139166, US9090449, US9090448, US9090447, US9090446, US9037834, US9015352, US9002998, US8889069, US8880849, US8844160, US8782196, US8767804, US8747666, US8706916, US8685336, US8627834, US8606395, US8589660, US8565917, US8548624, US8543795, US8543794, US8533431, US8442096, US8388904, US8380884, US8356161, US8303824, US8290616, US8290615, US8276603, US8276135, US8268238, US8250339, US8249135, US8225073, US8200799, US8190290, US8143596, US8108656, US8103378, US7998344, US7987615, US7938913, US7937591, US7921578, US7918368, US7910055, US7904603, US7865847, US7841027, US7822109, US7809050, US7752419, US7708172, US7689476, US7668229, US7666369, US7660984, US7653710, US7620097, US7611031, US7609297, US7606943, US7602740, US7512173, US7493375, US7489779, US7484388, US7478031, US7419073, US7416097, US7389895, US7367480, US7356381, US7337924, US7337800, US7300522, US7278552, US7204259, US7203572, US7179372, US7175758, US7168592, US7146748, US7083071, US7074337, US7060189, US7032780, US7032779, US7004355, US6986263, US6915925, US6896159, US6857541, US6848600, US6799085, US6766656, US6751525, US6613155, US6506260, US6427707, US2015101640, US2013167318, US2013091883, US2013079919, US2010314553, US2010132220, US2009250086, US2009205685, US2009114609, US2008216879, US2008210268, US2008190460, US2008178412, US2007272279, US2007119309, US2007089766, US2007084037, US2007023069, US2006207947, US2006180530, US2006117590, US2006090776, US2005217710, US2005144801, US2005121057, US2005103693, US2005066997, US2005029200, US2005011139, US2004238007, US2004159336, US2003019509, JP5791292, JP5764800, JP2012217466, JP2012165784, ITUD20100169, ITBS20100015, FR2889086, EP1433677, EP1399343, DE202010008432, DE10251165, DE10251165, DE102007059792, DE102007009805, DE10131398, CN103921766,

Abstract:
Source: US5993739A The present invention provides a low−cost and practical method for cleaning objects such as wheelchairs on a continuous basis. In one embodiment, the apparatus of the present invention is a mobile,

self−contained system in which objects are cleaned and sanitized as they travel in a U−shaped path within a wash chamber. As the objects enter the first side of the wash chamber, suitably located water jets spray the objects with a mixture of detergent and water to remove associated foreign materials until shortly after the objects make a U−turn. At this point, the objects are first sprayed with a mixture containing a rinse agent and water, then with a spray containing disinfectant and water. The objects are thereafter dried by suitable drying means such as a high velocity air curtain system. The continuous washing system of the present invention preferably has a self−contained water heater to pre−heat the water prior to its being sprayed onto the objects. The system preferably also has a recycling path wherein water which has been sprayed onto the objects is collected and filtered in a water reservoir prior to being used again in the system.

0) US4072157A – PORTABLE NURSING DEVICE

82) Family number: 6704541 (US4072157A) © PatBase

Title: Portable nursing device

Priority: US19760681493 19760429

Family:

Publication number	Publication date	Application number	Application date
US4072157 A	19780207	US19760681493	19760429
US4130123 A	19781219	US19770858859	19771208

Probable Assignee: ROY L WINES AND SON INC

Assignee(s):(std)**:** ROY L WINES AND SON INC

Inventor(s):(std)**:** WINES JR ROY LAYTON ; WINES III ROY LAYTON ; WINES JR ROY L ; WINES III ROY L

International class (IPC 8–9)**:** A47K1/02 A61G12/00 A61G9/02 (Advanced/Invention); A47K1/02 A61G12/00 A61G9/00 (Core/Invention)

International class (IPC 1–7)**:** A47K1/02 B08B3/02

CPC: A47K1/02 A61G9/02 A61G12/001

European class: A47K1/02 A61G12/00B A61G9/02

US class: 134/107 134/115R 134/152 134/170 134/56R 134/58R 134/95.3 134/99.1 4/300.2 4/625 4/626 4/630

Classification Explorer

Cited documents: US4072157 A, US4051858 A, US4015614 A, US3983583 A, US3759276 A, US3645283 A, US3071424 A, US3059653 A, US2991481 A,

Forward Citations: WO9107159, WO09087466, WO02096337, USD457249, USD443044, USD430276, US9441885, US9267736, US9170148, US8997271, US8950019, US8652413, US8602353, US8528126, US8458962, US8424128, US8418287, US8240092, US8215065, US8181289, US8046848, US7865982, US7743439, US7735266, US7636966, US7581708, US7537030, US7243386, US7219472, US7174678, US7073765, US7040057, US7013902, US6978499, US6895715, US6637049, US6431189, US6256936, US6253394, US6243993, US6016818, US5918323, US5813063, US5715549, US5702536, US5702115, US5465438, US5419347, US5257423, US5199118, US4769863, US4765003, US4747169, US4509545, US4336619, US4130123, US2014366262, US2012102638, US2012077166, US2012056036, US2011080076, US2011072588, US2011008221, US2010145160, US2010078904, US2009260140, US2008127410, US2008052819, US2007283492, US2007256236, US2007199263, US2006226333, US2006096028, US2005102912, US2005102747, US2004237202, US2004164220, US2004154648, US2003056285, US2003019165, US2002104271, GB2503661, ES2258892, DE3603532, CN105395332,

Abstract:
Source: US4072157A A mobile cabinet encloses a plurality of basins or receptacles to which hot and cold water may be conducted under control of valves for cleaning, washing and drinking purposes through flexible conduits and from which water is drained through a flexible waste conduit. A water heater and a waste drain pump associated with one of the receptacles cooperates with other facilities therein to clean articles during a timed–controlled cleaning cycle, while manually operated valves control the supply of water to the other receptacles for washing and drinking purposes.

83) Family number: 43872632 (US2009260777A) © PatBase

Title: CASE AND RACK SYSTEM FOR LIQUID SUBMERSION COOLING OF ELECTRONIC DEVICES CONNECTED IN AN ARRAY

Priority:

EP20090734417	20090401	US20080046540	20080421	US20080085934	20080804
US20090416399	20090401	US20080046540P	20080421	US20080085934P	20080804
US20120688877	20121129	US20110027831	20110215	US20100795854	20100608
US20120688832	20121129	US20110312301	20111206	US20120688861	20121129
US20120688872	20121129	US20120688815	20121129	WO2009US39086	20090401

Family:

Publication number	Publication date	Application number	Application date
CN102037426 A	20110427	CN200980114975	20090401
CN102037426 B	20140806	CN200980114975	20090401
DE602009031430 D1	20150709	DE200960031430T	20090401
EP2271971 A2	20110112	EP20090734417	20090401
EP2271971 A4	20120801	EP20090734417	20090401
EP2271971 B1	20150527	EP20090734417	20090401
JP2011518395 T2	20110623	JP20110506335T	20090401
JP4903295 B2	20120328	JP20110506335T	20090401
KR101115711 B1	20120613	KR20107023590	20090401
KR20110004857 A	20110114	KR20107023590	20090401
TW200950687 A	20091201	TW20090110867	20090401
TWI559843 B	20161121	TW20090110867	20090401
US2009260777 AA	20091022	US20090416399	20090401
US2010246118 AA	20100930	US20100795854	20100608
US2011134604 AA	20110609	US20110027831	20110215
US2012075797 AA	20120329	US20110312301	20111206
US2013081790 AA	20130404	US20120688832	20121129
US2013081791 AA	20130404	US20120688861	20121129
US2013081792 AA	20130404	US20120688872	20121129
US2013083479 AA	20130404	US20120688815	20121129
US2013094146 AA	20130418	US20120688877	20121129
US7905106 BB	20110315	US20090416399	20090401
US7911793 BB	20110322	US20100795854	20100608
US8089764 BB	20120103	US20110027831	20110215
US8467189 BB	20130618	US20110312301	20111206
US8654529 BB	20140218	US20120688877	20121129
US9086859 BB	20150721	US20120688832	20121129
US9128681 BB	20150908	US20120688872	20121129
US9176547 BB	20151103	US20120688861	20121129
US9223360 BB	20151229	US20120688815	20121129
WO09131810 A2	20091029	WO2009US39086	20090401
WO09131810 A3	20091230	WO2009US39086	20090401

Probable Assignee: LIQUIDCOOL SOLUTIONS INC

Assignee(s):(std)**:** ATTLESEY CHAD DANIEL ; HARDCORE COMP INC ; HARDCORE COMPUTER INC ; LIQUIDCOOL SOLUTIONS INC

Assignee(s): LIQUIDCOOL SOLUTIONS INC ROCHESTER ; ZIEN HERBERT

Inventor(s):(std)**:** ATTLESEY CHAD D ; ATTLESEY CHAD DANIEL ; DANIEL ATTLESEY CHAD ; REGIMBAL LAURENT A ; TUFTY LYLE R

Agent(s): KREUTZER ULRICH DIPL PHYS; BOURA OLIVIER; HAMRE SCHUMANN MUELLER AND LARSON PC; HAMRE SCHUMANN MUELLER AND LARSON P C; LARSON JAMES A

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): F25D23/12 F28D1/02 F28D1/03 F28D15/00 F28D15/02 F28D21/00 F28F7/00 F28F9/00 F28F9/007 G06F1/16 G06F1/20 H01L23/473 H05K5/00 H05K5/06 H05K7/00 H05K7/18 H05K7/20 (Advanced/Invention);
H01L23/473 H05K7/20 (Advanced/Non–invention);
F28D1/02 F28D15/00 F28D21/00 F28F9/00 G06F1/20 (Core/Invention);
H05K7/20 (Core/Non–invention)

CPC: G06F1/20 H05K7/20236 H01L2924/00 G06F2200/201 H01L23/473 H01L2924/0002 H05K7/20772 H05K5/067 F28D1/02 F28D1/0206 F28D15/02 F28F9/007 H05K7/20218 F28D1/03 H05K7/20

European class: G06F1/20 H01L23/473 H05K7/20D3 H05K7/20S20B S06F200/201

US class: 1/1 165/104.3 165/104.31 165/104.310S 165/104.33 165/104.330S 165/67 165/67P 165/80.3 165/80.4 174/15.1 361/679.47 361/679.470P 361/679.53 361/679.530P 361/679.530S 361/699 361/700 361/715 361/716 62/259.2

Classification Explorer

Cited documents: WO10046151 A1, WO10019517 A1, WO07137018 A1, US8009419 BB, US7983040 BB, US7961475 BB, US7916483 BB, US7911793 BB, US7911782 BB, US7905106 BB, US7885070 BB, US7724524 BA, US7724517 BB, US7609518 BB, US7564685 BB, US7414845 BB, US7403392 BB, US7355852 BB, US7318322 BB, US7317619 BB, US7307841 BB, US7295436 BB, US7289326 BB, US7236363 BB, US7184269 BB, US7050299 BB, US6947282 BB, US6938678 BA, US6807056 BB, US6580609 BB, US6401475 BA, US6333849 BA, US6134108 A, US5212626 A, US5131233 A, US5121262 A, US5021924 A, US4928207 A, US4765397 A, US4741385 A, US4590538 A, US4493010 A, US4302793 A, US2010246118 AA, US2010226094 AA, US2010103620 AA, US2010103618 AA, US2010103614 AA, US2010101765 AA, US2010101759 AA, US2009260777 AA, US2008196870 AA, US2008123297 AA, US2007227710 AA, US2007177352 AA, US2007034360 AA, US2006273814 AA, US2006126296 AA, US2006109633 AA, US2006067047 AA, US2006065874 AA, US2005184084 AA, US2005097918 AA, US2005047083 AA, US2004246683 AA, US2004221604 AA, US2004057211 AA, US2003030991 AA, KR20030019849 A, JP7066339 A2, JP3011759 A2, JP2009537905 T2, JP2007059561 A2, JP2006140479 A2, JP2004246649 A2, JP2004246615 A2, JP2004/246649,

DE202004020315 U1

DE202004020315, DE20200402031, CN1820239 A,

Forward Citations: WO17085775, WO17085773, WO17085772, WO17055877, WO16179169, WO16076882, WO16071538, WO16053323, WO15077561, WO15076590, WO15075611, WO14165824, WO14052377, WO14040182, WO14039212, WO13139144, WO13137847, WO13089492, WO13080037, WO13063250, WO12162986, WO12106276, WO12106276, WO12011978, WO11123400, USD724081, US9730356, US9717166, US9699939, US9686889, US9655281, US9655279, US9648784, US9622379, US9593876, US9560789, US9549488, US9529395, US9516791, US9504190, US9504184, US9496200, US9468131, US9451726, US9433132, US9426927, US9408332, US9332674, US9326556, US9282678, US9258926, US9223360, US9185828, US9176547, US9167726, US9161477, US9155230, US9144179, US9128681, US9107293, US9101078, US9086859, US9051502, US9049800, US9009968, US9007221, US8966922, US8959941, US8955347, US8922998, US8830672, US8824147, US8760873, US8724322, US8711565, US8674218, US8654529, US8522569, US8508934, US8502413, US8467189, US8427828, US8369091, US8369090, US8351206, US8345423, US8305759, US8203842, US8184436, US8179677, US8089766, US8089765, US8089764, US8035972, US8009419, US7983040, US7961475, US7944694, US7916483, US7911793, US7911782, US7905106, US7885070, US7724524, US2017156233, US2016366792, US2016330873, US2016291651, US2016198589, US2016044833, US2016014932, US2016007505, US2015334880, US2015245539, US2015109729, US2015070846, US2015062806, US2015048950, US2014376176, US2014362527, US2014307384, US2014301037, US2014218858, US2014211412, US2014085821, US2014029193, US2013299232, US2013128459, US2013107601, US2013025818, US2013021746, US2012243169,

US2012155028, US2012152586, US2012075796, US2012069519, US2011291477, US2011249399, US2011188198, US2011134604, US2011132579, US2011096503, US2011075353, US2010290190, US2010246118, US2010226094, US2010118494, US2010101759, US2009260777, US2008196870, TWI448238, NL2005718, KR101493943, JP6042590, JP6042589, JP6042588, JP6042587, JP5265637, JP2016539503, JP2015501489, JP2012073760, JP2011257977, JP2011257976, ITUD20130151, GB2509675, GB2509675, FR3015645, FR3002624, FR2964005, EP3072374, EP2825010, EP2825010, EP2773172, EP2421350, CN104936418, CN104936418, CN104770073, CN104571420, CN104571418, CN104284536, CN104284536, CN104115578, CN104094682, CN104094682, CN104093295, CN104054407, CN104054407, CN103907410, CN103907410, CN103830861, CN103616940, CN103535122, CN103336566, CN102625639, CN102625639, CN102591434, CN102541225,

Abstract:
Source: US2009260777A A liquid submersion cooling system that is suitable for cooling a number of electronic devices in parallel using a plurality of cases connected to a rack system. The system cools heat−generating components in server computers and other devices that use electronic, heat−generating components and are connected in parallel systems. The system includes a housing having an interior space, a dielectric cooling liquid in the interior space, a heat−generating electronic component disposed within the space and submerged in the dielectric cooling liquid. The rack system contains a manifold system to engage and allow liquid transfer for multiple cases and 10 connectors to engage electrically with multiple cases/electronic devices. The rack system can be connected to a pump system for pumping the liquid into and out of the rack, to and from external heat exchangers, heat pumps, or other thermal dissipation/recovery devices.

0) US2016265789A – FLUID SUPPLY FOR A HOUSEHOLD APPLIANCE AND HOUS...

84) Family number: 59878572 (US2016265789A) © PatBase

Title: FLUID SUPPLY FOR A HOUSEHOLD APPLIANCE AND HOUSEHOLD APPLIANCE

Priority: EP20140151205 20140115 WO2015EP50033 20150105

Family:

Publication number	Publication date	Application number	Application date
AU2015206183 AA	20150723	AU20150206183	20150105
DE602014007715 D1	20170504	DE201460007715T	20140115
EP2896737 A1	20150722	EP20140151205	20140115
EP2896737 B1	20170322	EP20140151205	20140115
US2016265789 AA	20160915	US20150032539	20150105
WO15106978 A1	20150723	WO2015EP50033	20150105

Probable Assignee: ELECTROLUX APPLIANCES AB

Assignee(s):(std)**:** ELECTROLUX APPLIANCES AB

Assignee(s): ELECTROLUX APPLIANCES AKTIEBOLAG

Inventor(s):(std)**:** FARALDI PAOLO ; GATTEI LORENZO ; GUIDA NICOLA

Agent(s): HALFORDS IP; ROEDER RICHARD; ELECTROLUX GROUP PATENTS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47L15/44 D06F39/02 F24C15/00 F24C15/32 (Advanced/Invention)

CPC: A47L15/4418 D06F39/02 F24C15/003 F24C15/327

US class: 219/401

Classification Explorer

Cited documents: WO10125538 A1, US2007215592 AA, US2006278630 AA, US2005097925 AA, KR20090107850 A, JP2008025895 A2, FR2427421 A1,

DE102011088482 A1

DE102010002532 A1

DE102004024892 A1

Abstract:
Source: US2016265789A The invention describes a fluid supply (100) for a household appliance especially a steam oven (200) that has improved cleaning and hygienic characteristics. A wave breaker structure (120) is removably included inside a removable fluid container (110) and can be completely separated from it for cleaning purposes. The fluid container (110) is preferably releasable having a valve (115) and being mounted inside of a steam oven (200).

0) US4807675A – OVERFILL ASSEMBLY WITH REMOVABLE LID

85) Family number: 3400385 (US4807675A) © PatBase

Title: OVERFILL ASSEMBLY WITH REMOVABLE LID

Priority: US19860858656 19860501 US19870050696 19870518 US19870066701 19870626 US19890316796 19890228

Family:

Publication number	Publication date	Application number	Application date
US4807675 A	19890228	US19870050696	19870518
US4881579 A	19891121	US19870066701	19870626
US4915253 A	19900410	US19890316796	19890228

Probable Assignee: SHARP BRUCE R

Assignee(s):(std)**:** SHARP BRUCE R

Inventor(s):(std)**:** SHARP BRUCE R

International class (IPC 8–9)**:** B65D90/10 (Advanced/Invention); B65D90/00 (Core/Invention)

International class (IPC 1–7)**:** B65B3/06 B65D45/28 F16L5/00

CPC: B65D90/105 Y10T137/8049

European class: B65D90/10A

US class: 137/547 138/89 141/311A 141/86 141/98 220/314 220/315 285/381 285/381.4 404/25 52/20

Classification Explorer

Cited documents: US4721094 A, US4706718 A, US4696330 A, US4659251 A, US4655361 A, US4637522 A, US4615362 A, US4593714 A, US4569868 A, US4521041 A, US4520852 A, US4501377 A, US4457349 A, US4416836 A, US4351446 A, US4278115 A, US4270728 A, US4204564 A, US4127215 A, US4098427 A, US3924778 A, US3871401 A, US3724495 A, US3722549 A, US3670920 A, US3633219 A, US3388931 A, US3045861 A, US2235308 A, US1139188 A, DE168408 A, CH168408 A,

Forward Citations: US9222622, US8622097, US7882897, US6527476, US6390522, US6216790, US6182710, US6039123, US5975132, US5950872, US5858016, US5711351, US5687871, US5657788, US5586586, US5564858, US5562162, US5390713, US5366317, US5305926, US5301722, US5126095, US5117877, US5114271, US5099894, US5085257, US4986436, US4896705, US2015251892, US2009223595, US2009134172, US2008135264, US2007071619, AU635560, AU2006279949,

Abstract:
Source: US4807675A An overfill assembly for use with storage tanks, especially underground gasoline storage tanks. The overfill assembly comprises a dump tank with a fill pipe mounted therein. The fill pipe extends through the dump tank's bottom and is in communication with the storage tank. A removable center–point compression sealing lid member for the dump tank allows for ready access to the fill pipe. A valve mechanism in the dump tank allows for controlled emptying of spilled liquid in the dump tank to the storage tank.

0) US5429270A – PROCESS AND APPARATUS FOR DISPENSING LIQUIDS TO...

86) Family number: 12009604 (US5429270A) © PatBase

Title: Process and apparatus for dispensing liquids to a remote bathroom fixture

Priority: US19940304164 19940912

Family:

Publication number	Publication date	Application number	Application date
US5429270 A	19950704	US19940304164	19940912

Probable Assignee: TUMMINIA RONALD

Assignee(s):(std)**:** TUMMINIA RONALD

Inventor(s):(std)**:** TUMMINIA RONALD

International class (IPC 8–9)**:** E03D9/00 E03D9/03 (Advanced/Invention); E03D9/00 E03D9/02 (Core/Invention)

International class (IPC 1–7)**:** B67B7/00

CPC: E03D9/002 E03D9/037

European class: E03D9/00D E03D9/03D4

US class: 222/1 222/333 222/642 222/67 4/227.2

Classification Explorer

Cited documents: US939424 A, US703287 A, US4915260 A, US4796787 A, US4728005 A, US4696414 A, US4512041 A, US4429809 A, US3241718 A, US2644167 A, US2351580 A, US2144465 A, US1950139 A, US1883139 A, US1007442 A, EP0018648 A1,

Forward Citations: WO09105417, WO04113631, WO03104086, WO03104086, US8032953, US7870868, US7108199, US7108199, US6595390, US5903930, US5823390, US2009056006, US2007151005, US2007125429, DE29707778, AT412791,

Abstract:
Source: US5429270A A liquid dispenser system for dispensing a cleaning liquid to a remote bathroom fixture includes a bathroom wall having a storage unit mounted in the wall and having an access cover or door covering the storage area and a liquid storage container located therein. An electric pump is located in the wall storage unit and is operatively connected to the liquid container for pumping the cleaning liquid through a conduit connected from the pump to a bathroom fixture for delivering a cleaning liquid to the fixture. A pump actuating switch is electrically connected to the pump and to a timer and to the end of the conduit for actuating the pump remotely to thereby pump liquid from the liquid storage container to the remote fixture. A method is provided which includes attaching a wall storage unit in a bathroom wall and placing a storage container therein behind an access cover. The liquid storage container is connected to an electric pump located in the wall storage area for pumping the liquid from the container. A conduit is connected from the pump through a bathroom wall to a bathroom fixture for delivering liquid from the storage container to the bathroom fixture. A pump actuated magnetic float switch is mounted adjacent the bathroom fixture, and is connected through a conductor to the pump for actuating the pump remotely responsive to the movement of the liquid in the bathroom fixture.

87) Family number: 54958431 (EP2653079B1) © PatBase

Title: BEREITSTELLUNGSVORRICHTUNG FUER MILCHSCHAUM–KAFFEE SOWIE MILCHSCHAUM PREPARATION DEVICE FOR MILK FOAM COFFEE AND MILK FOAM

Priority: DE201210007517 20120417 EP20130002007 20130417

Family:

Publication number	Publication date	Application number	Application date
DE102012007517 A1	20131017	DE201210007517	20120417
DE502013004431 D1	20161027	DE201350004431T	20130417
EP2653079 A1	20131023	EP20130002007	20130417
EP2653079 B1	20160914	EP20130002007	20130417

Probable Assignee: COFFEE IN MOTION AG

Assignee(s):(std)**:** COFFEE IN MOTION AG

Inventor(s):(std)**:** STINGELIN WERNER

Agent(s): LIEBL THOMAS

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9): A47J31/00 A47J31/40 A47J31/44 (Advanced/Invention)

CPC: A47J31/40 A47J31/44

Classification Explorer

Cited documents: WO9206617 A1, WO03070571 A2, US5858437 A, US5584229 A, US5241898 A, EP1674006 B1, EP1674006 A1, DE9314494 U, DE69318002 T2, DE69120832 T2, DE10207640 A1,

Abstract:
Source: EP2653079A1 Die Erfindung betrifft eine Milchschaum–Kaffee–Bereitstellungsvorrichtung mit einem Milchschaum–Kaffee–Getraenkebereiter (15), der von einer bereiterexternen Energiezufuehrung unabhaengig und mobil ausgefuehrt ist, wobei der mobile Milchschaum–Kaffee–Getraenkebereiter (15) eine Behaelteraufnahme (64) fuer wenigstens einen Kaffeebehaelter (18) und fuer wenigstens einen, Milch zur Zubereitung von Milchschaum aufweisenden Milchschaum–Milchbehaelter (42) aufweist, die jeweils durch wechselbare und nachfuellbare Fluessigkeitsbehaelter gebildet sind, und wobei der mobile Milchschaum–Kaffee–Getraenkebereiter (15) ein Kaffee–Zapfventil (70) und ein Milchschaum–Zapfventil (73) aufweist, wobei dem Milchschaum–Milchbehaelter (42) ein Treibmittel zugeordnet ist und bei einer Betaetigung des Milchschaum–Zapfventils (73) Milchschaum austritt. Erfindungsgemaess ist vorgesehen, dass die Milchschaum–Kaffee–Bereitstellungsvorrichtung (1) weiter eine von dem Milchschaum–Kaffee–Getraenkebereiter (15) unabhaengige Zentralstation (2) mit einem Zentralstation–Kaffeebereiter (16) aufweist, der mit einer Steuereinrichtung (17) gekoppelt ist, mittels der eine definierte Kaffeemenge zur Abfuellung in einen leeren Kaffeebehaelter (18) des Milchschaum–Kaffee–Getraenkebereiters (15) dergestalt programmgesteuert erzeugbar ist. Ferner betrifft die Erfindung eine Milchschaum–Bereitstellungsvorrichtung, ein Verfahren und einen Service–Trolley. The device (1) has a central station (2), where a defined quantity of coffee powder (21) is introduced into a pot (23) of a central station coffee maker (16) at the station. A defined quantity of hot water with a defined temperature is introduced into the pot filled with the ground coffee powder by a sprinkling device of the coffee maker. The pot includes a pot outlet via which a coffee extract (29) is directly or indirectly introduced into an empty coffee container (18) of a portable milk forth–coffee maker, where the container is detachably and exchangeable mounted in the station. An independent claim is also included for a method for preparing a milk froth–coffee by a milk froth–coffee preparing device.

0) US6080313A – POINT–OF–USE WATER PURIFICATION SYSTEM WITH A C...

88) Family number: 12336268 (US6080313A) © PatBase

Title: Point–of–use water purification system with a cascade ion exchange option

Priority: US19970920842 19970829

Family:

Publication number	Publication date	Application number	Application date
US6080313 A	20000627	US19970920842	19970829

Probable Assignee: KELADA MAHER I

Assignee(s): KELADA MAHER I

Inventor(s):(std): KELADA MAHER I

International class (IPC 8–9): C02F9/00 C02F9/08 (Advanced/Invention); C02F1/28 C02F1/32 C02F1/44 C02F1/76 (Advanced/Non–invention)

International class (IPC 1–7): C02F9/00

CPC: C02F1/283 C02F1/32 C02F1/444 C02F1/68 C02F1/76 C02F9/005

European class: C02F9/00B

US class: 210/202 210/259 210/266 210/282 210/284 210/288 210/631 210/662 210/663 210/664 210/748 210/748.11 210/85 210/89

Classification Explorer

Cited documents: US5597482 A, US5573666 A, US5529689 A, US5443721 A, US5271837 A, US5190569 A, US5039402 A, US5024766 A, US4976876 A, US4898667 A, US4894154 A, US4876014 A, US4735716 A, US4670144 A, US4659460 A, US4504389 A, US4179616 A, US3870033 A, US3519134 A,

Forward Citations: WO15002666, WO12158936, WO12156716, WO10102142, WO0212127, USD735294, USD712007, USD679779, USD643089, US9688560, US9475717, US9421485, US9352979, US9327216, US9320993, US9314722, US9314716, US9180411, US9138688, US9126852, US8562830, US8252171, US8211317, US7988853, US7897045, US7829862, US7790022, US7678265, US7658824, US7476315, US7476314, US7413668, US7351336, US7226536, US7217358, US7186337, US7182858, US7172694, US7172693, US7138052, US7101480, US7052604, US7005074, US6977006, US6960302, US6926826, US6872306, US6814876, US6773588, US6773587, US6695891, US6607668, US6455017, US6379560, US6370884, US2017107136, US2017107135, US2017107134, US2015001161, US2014251824, US2014054222, US2014021115, US2012039792, US2011203985, US2011196814, US2011062070, US2010224562, US2010140158, US2009289011, US2009166272, US2009134074, US2008283467, US2008272033, US2008210622, US2008210315, US2008169249, US2008105620, US2007246415, US2007215535, US2007131602, US2007012629, US2006266690, US2006249400, US2006219613, US2006162305, US2006032202, US2006006332, US2005230320, US2005211639, US2005178711, US2005127007, US2005115877, US2005103721, US2005098491, US2005077223, US2005011822, US2004222140, US2004211713, US2004188337, US2004164006, US2004163371, US2004129623, US2004104157, US2004055966, US2003217958, US2003000880, KR100749318, JP2014522392, JP2007512120, GB2493689, FR2965188, EP2433907, EP1685069, EP1685069, EP1437329, EP1136447, CN105016558, CN103626317, CN103626317,

Abstract:
Source: US6080313A A modular water treatment and purification system, suitable for home use, is connected to a water supply and contains a closed fluid treatment circuit extending to a water outlet. The closed fluid circuit flows through a plurality of replaceable water treatment modules each having a specific water treatment function, such as the removal of a particular material from the water by the use of filtration, carbon adsorption, ion exchange or the addition of a chemical to balance the desired water conditions. Preferably the circuit also includes traversing a radiation device, for example an ultra violet light, for the purpose of sanitizing the water.

0) US4000726A – SAFETY TANK SYSTEM

89) Family number: 1530153 (US4000726A) © PatBase

Title: Safety tank system

Priority: CA19770285766 19770830 US19750550589 19750218 US19750550889 19750219 US19750624161 19751020 US19760661754 19760226 US19770780801 19770324

Family:

Publication number	Publication date	Application number	Application date
CA1083007 A1	19800805	CA19770285766	19770830
US4000726 A	19770104	US19750550589	19750218
US4019583 A	19770426	US19760661754	19760226
US4019649 A	19770426	US19750624161	19751020
US4177863 A	19791211	US19770780801	19770324

Probable Assignee: SIMON SIDNEY

Assignee(s):(std)**:** SIMON SIDNEY ; SIMON SYDNEY

Inventor(s):(std)**:** SIMON SIDNEY ; SIMON SYDNEY

Agent(s): MOFFAT AND CO

International class (IPC 8–9)**:** A62C3/06 A62C3/07 A62C39/00 A62C99/00 B60K15/00 B60K15/03 B63B25/10 B64D37/32 B65D90/44 F17C13/12 (Advanced/Invention); A62C3/00 A62C3/07 A62C99/00 B60K15/00 B60K15/03 B63B25/00 B64D37/00 B65D90/22 F17C13/00 (Core/Invention)

International class (IPC 1–7)**:** A62C35/12 A62C39/00 B65D25/00 B65D25/18 F02M17/22

CPC: Y10S220/90 F17C2201/0109 F17C2201/0166 F17C2201/052 F17C2201/054 F17C2201/056 F17C2201/058 F17C2203/0629 F17C2203/0636 F17C2203/066 F17C2205/0165 F17C2205/0308 F17C2205/0329 F17C2205/0332 F17C2205/0364 F17C2221/013 F17C2221/014 F17C2221/035 F17C2223/0153 F17C2223/033 F17C2250/043 F17C2250/0482 F17C2260/042 F17C2265/025 F17C2270/0105 F17C2270/0171 F17C2270/0178 F17C2270/0184 F17C2270/0189 F17C2205/0138 F17C2205/0176 F17C2270/0168 B65D90/44 A62C3/06 A62C3/07 B60K15/00 B60K15/03 B60K2015/03381 B63B25/10 B64D37/32 F17C13/12 F17C2223/0161 F17C2260/04

European class: A62C3/06 A62C3/07 B60K15/00 B60K15/03 B63B25/10 B64D37/32 B65D90/44 F17C13/12

US class: 123/134 123/529 169/11 169/62 169/66 169/85 220/560.03 220/560.14 220/88.1 220/88.3 220/88B 220/900 261/121.1 62/48.3

Classification Explorer

Cited documents: US706454 A, US3827455 A, US3800533 A, US3788666 A, US3764035 A, US3738428 A, US3698200 A, US3548931 A, US3527391 A, US3419193 A, US3395681 A, US3103296 A, US3030780 A, US2710658 A, US2670873 A, US2404418 A, US2071116 A, US1793860 A, US1779786 A, US1347057 A, US1139353 A, US1015987 A, GB811750 A, GB325637 A, FR524826 A, DE1505613 A1,

Forward Citations: WO9934106, WO9934106, WO04014683, US9399150, US8915265, US8418718, US7896121, US7854288, US7775183, US7191983, US6988568, US6679263, US6453584, US6334490, US6216790, US6182710, US6039123, US5992219, US5950872, US5562162, US5314027, US4993497, US2014377712, US2011168704, US2009242037, US2008164262, US2008163934, US2007144462, US2006151670, US2003230309, GB2349085, GB2349085, GB2215204, GB2215204, FR2706313, ES2214076, EP3130540, EP0181602,

Abstract:
Source: US4000726A A gasoline safety tank system utilizing at least one safety tank, each safety tank comprising a tank body with interchangeable inlet and outlet fittings secured to the tank body. A conduit is connected to the inlet fitting and extending into the tank body adjacent the floor of the tank body and below the level of liquid placed in the tank. A pressurized carbon dioxide bottle is selectively connected to the inlet fitting and adapted to discharge pressurized gas into said safety tank through the conduit so that the gas bubbles up through the liquid in the tank into the top of said tank simultaneously cooling said liquid and pressurizing the liquid in said tank. The carbon dioxide bottle is adapted to be alternatively connected to the outlet fitting to pressurize the liquid and

propel the liquid out of said inlet fitting and through the conduit.

0) US2266205A – CLEANING APPARATUS

90) Family number: 21851781 (US2266205A) © PatBase

Title: CLEANING APPARATUS

Priority: US19380233447 19381005

Family:

Publication number	Publication date	Application number	Application date
US2266205 A	19411216	US19380233447	19381005

Probable Assignee: TURCO PRODUCTS INC

Assignee(s):(std)**:** TURCO PRODUCTS INC

Inventor(s):(std)**:** HUNTER DONALD P

International class (IPC 8–9)**:** A47L15/44 (Advanced/Invention); A47L15/44 (Core/Invention)

International class (IPC 1–7)**:** A47L15/44

CPC: A47L15/4436 Y10T137/2564

European class: A47L15/44C

US class: 134/57D 134/57R 134/93 137/111 200/83J 239/310 251/210 251/25 417/44.1 417/44.9

Classification Explorer

Forward Citations: US5396914, US3478757, US3345478, US3265009, US3203436, US3185395, US3139890, US3021863, US3005888, US2834364, US2792258, US2770242, US2687139, US2621673, US2523799,

Abstract:
Source: US2266205A 1. A cleaning apparatus. comprising in com– `b1nal:lon, a cleaning chamber, a liquid storage reservolrin connection with said cleaning chamber, means for circulating the contents of said reservoir within said cleaning chamber, a Dah' ot non–communicating supply lines. the iirst of said supbly lines being introduced lnteriorly of said cleaning chamber and having an outlet within said chamber, a flow control valve for said llrst supply`1ine, a– reagent dispenser, said dispenser having inlet and outlet means, the second of said supply lines delivering substances to said dispenser throngh the inlet fthereof, said dispenser outlet being connected to the cleaning chamber. and means actuated by the pressure in the first supply line when the Bow control valve therefor is open for controlling the delivery of substances from said second supply line through said dls–' penser, whereby the substance carried by said second supply line may nassthrough the said dispenser and contact a reagent contained therein and thence proceed to said reservoir. `

0) US2010230347A – ADJUSTABLE HEIGHT INLET/OUTLET LIQUID LEVEL MAN...

91) Family number: 46843103 (US2010230347A) © PatBase

Title: ADJUSTABLE HEIGHT INLET/OUTLET LIQUID LEVEL MANAGEMENT TOOLS AND SYSTEMS

Priority: US20070884100 20070808 US20100661039 20100309

Family:

Publication number	Publication date	Application number	Application date
US2010230347 AA	20100916	US20100661039	20100309

Probable Assignee: HASLEM KEITH R

Assignee(s):(std)**:** HASLEM KEITH R

Inventor(s):(std)**:** HASLEM KEITH R

Agent(s): KEITH R HASLEM

International class (IPC 8–9)**:** B01D17/12 F16H55/08 (Advanced/Invention); B01D17/00 F16H55/02 (Core/Invention)

CPC: B01D17/0208 F17C2223/041 Y10T74/19949

European class: B01D17/02F R17C223/04A

US class: 210/523 74/457 74/457S

Classification Explorer

Cited documents: US6227065 BA, US5824228 A, US5058446 A, US4022429 A, US3965757 A, US2919682 A,

Forward Citations: US9421480, US9228879, US9205353, US9046088, US8632680, US2014110335, US2013264278, US2012301332, US2012292242, US2011029262, CN104298650,

Abstract:
Source: US2010230347A Apparatus for managing layers of different density includes an enclosed tank for holding the liquids so that they stratify into separate layers of different levels in the tank. A conduit for liquid in the tank is open at an inner end to the tank interior, and is open at an outer end to the tank exterior. A drive moves the inner end of the conduit to different levels within tank so liquid can be transferred into or out of different levels in the tank. The drive preferably being a gear mechanism employing woodruff–type tabs.

0) US6047866A – PORTABLE LIQUID DISPENSER

92) Family number: 12184120 (US6047866A) © PatBase

Title: Portable liquid dispenser

Priority: US19980093198 19980608

Family:

Publication number	Publication date	Application number	Application date
US6047866 A	20000411	US19980093198	19980608

Probable Assignee: WATERBOY SPORTS LLC A FLORIDA LIABILITY CO LTD

Assignee(s): BROWN JACK C ; WATERBOY SPORTS LLC ; WATERBOY SPORTS LLC A FLORIDA LIABILITY CO LTD

Inventor(s):(std)**:** BROWN JACK C

International class (IPC 8–9)**:** B62B1/12 B67D3/00 (Advanced/Invention); B05B9/00 (Advanced/Non–invention); B62B1/00 B67D3/00 (Core/Invention); B05B9/00 (Core/Non–invention)

International class (IPC 1–7)**:** B67D3/00

CPC: B05B9/007 B62B1/125 B62B2202/021 B67D3/00 B67D3/0029 B67D3/0083

European class: B05B9/00E B62B1/12T B67D3/00 B67D3/00H B67D3/00R8A L05B9/00Y20 L62B202/021

US class: 222/481 222/482 222/506 222/527 222/528 222/545 222/608 222/609 222/610 280/47.26 280/47.29

Classification Explorer

Cited documents: USD321980, US5921445 A, US5758886 A, US5638991 A, US5626352 A, US5469708 A, US5433085 A, US5154317 A, US5090214 A, US4869402 A, US4865346 A, US4546900 A, US3286884 A,

Forward Citations: WO06004398, USD729988, USD729987, US9682789, US9593801, US9533779, US9527612, US9505601, US9353982, US9315282, US9051066, US8973787, US8955854, US8869847, US8714411, US8690028, US8640748, US8550475, US8118318, US8087678, US8056910, US7914016, US7635069, US7628406, US7188846, US6830253, US6796465, US6705621, US6634659, US6412782, US6386557, US6374867, US6345830, US6250636, US6220610, US2015115113, US2014252040, US2013020776, US2012175013, US2012055584, US2011182652, US2011132922, US2009266443, US2009230645, US2008197587, US2007278757, US2006186128, US2006124664, US2004178226, EP1614652,

Abstract:
Source: US6047866A A portable liquid dispenser apparatus has an insulated liquid container having a plurality of flexible dispensing tubes extending from the container. Each of the plurality of flexible dispensing tubes has a nozzle and valve on the end thereof for selectively dispensing liquid from the container. A wheeled container cart has two container supports thereon and has the liquid container removably mounted in a raised position for gravity dispensing of the liquid from the container to one or more individuals through each of the flexible tubes. The wheeled container cart can include a pair supporting surfaces for supporting two liquid containers. The insulated liquid container can have a generally rigid manifold attached to the outside of the container and connected to the inside of the container for receiving the liquid from the inside of the container and dispensing the liquid from the plurality of flexible tubes connected to the manifold. The rigid manifold having the flexible tubes attached thereto can be removably attached to the insulated liquid container for switching between containers.

0) FR1430909A – APPAREIL DISTRIBUTEUR DE LIQUIDES DISTRIBUTOR ...

93) Family number: 21371018 (FR1430909A) © PatBase

Title: APPAREIL DISTRIBUTEUR DE LIQUIDES DISTRIBUTOR APPARATUS FOR LIQUIDS (Machine translation)

Priority: FR19640994710 19641112

Family:

Publication number	Publication date	Application number	Application date
FR1430909 A	19660311	FR19640994710	19641112

Probable Assignee: BUDD CO

Assignee(s):(std)**:** BUDD CO

Assignee(s): THE BUDD COMPANY

International class (IPC 8–9): G01F11/02 (Advanced/Invention); G01F11/02 (Core/Invention)

International class (IPC 1–7): B67D5/04

CPC: G01F11/021

European class: G01F11/02B

Classification Explorer

Forward Citations: EP0219851, EP0219851,

Abstract:
Source: FR1430909A [Source: Claim 1] 1. RESUNIE Un appareil distributeur caracterise par les points suivants, pris separement ou en combinaisons 10 Il comprend un cylindre de dosage, un piston a mouvement alternatif dispose dans le cylindre et perce d'un passage d'ecoulement, une soupape destinee a controler l'ecoulement de liquide a travers le passage, une tige de piston connectee a une extremite au piston, une tige de commande de soupape reliee a une extremite, a la soupape et coaxiale a la tige de piston, et un mecanisme de commande de soupape pouvant tre actionne selectivement et monte sur les autres extremites desdites tiges pour deplacer une desdites tiges par rapport a l'autre lors de la commande dudit mecanisme; 20 La soupape sert a ouvrir et fermer ledit passage et le moyen de commande de soupape est relie aux secondes extremites desdites tiges et a pour effet, lorsqu'il est commande de deplacer une des tiges par rapport a l'autre; 3 Le moyen de commande de soupape comprend un element monte de maniere a pouvoir ceder sur une desdites tiges, une articulation a genouillere reliee entre ledit element et la seconde desdites tiges, et un levier actionne manuellement relie de facon a actionner ladite articulation; 40 Ledit appareil distributeur comprend un reservoir d'alimentation destine a contenir une certaine quantite d'un liquide a distribuer, ledit cylindre de dosage est relie a ce reservoir et ledit piston delimite une chambre de dosage dilatable, le passage menage a travers le piston servant a l'admission de liquide dans ladite chambre de dosage a partir du reservoir lors du deplacement du piston dans une premiere direction, le piston refoulant le liquide hors de la chambre lorsqu'il se deplace dans la direction opposee ou seconde direction, ledit mecanisme de commande de soupape deplacant une desdites tiges par rapport a l'autre de sorte que la soupape soit deplacee par rapport au piston de la position d'ouverture a la position de fermeture ou vice versa; 5 Un couvercle s'etend transversalement au sommet du reservoir, ledit cylindre est vertical et relie au fond du reservoir et presente une sortie, et la chambre de dosage se trouve au–dessous du piston, le liquide etant refoule hors de la chambre lors de la course descendante du piston, la tige de piston s'etendant a travers le couvercle et etant reliee a son extremite inferieure au piston, la tige de commande de soupape s'etendant a travers le couvercle et le mecanisme de commande de soupape etant relie aux extremites superieures desdites tiges; 6" Le couvercle est amovible du reservoir de telle sorte que l'on peut enlever du reservoir et du cylindre le piston, la tige de piston, la soupape, la tige de commande de soupape et le mecanisme de commande de soupape; 7" Un tuyau est relie au cylindre et une buse de refoulement est reliee de facon amovible au tuyau; 80 Ledit appareil distributeur comprend une enveloppe exterieure et un tuyau exterieur espace du reservoir, le cylindre et le tuyau delimitant entre eux un espace destine a recevoir un fluide chauffe pour chauffer les contenus du reservoir, du cylindre et du tuyau; 9" Une plaque de support est montee sur le couverdie et espacee de celui–ci au–dessus de ce couverelle, et cette plaque presente un trou, lesdites tiges s'etendant a travers ce trou et pouvant coulisser par rapport a la plaque de support; 10 Un moyen d'arrt est monte sur celle desdites tiges qui est exterieure, entre le couvercle et la plaque de support pour limiter la course de piston; 110 Ledit appareil distributeur fait partie d'un dispositif de distribution qui comprend deux reservoirs d'alimentation adjacents, deux pompes a piston reliees aux reservoirs d'alimentation respectifs pour pomper des quantites dosees de liquides a partir de ces reservoirs, chaque pompe comprenant un piston et une tige de piston pouvant aller et venir le long d'un trajet parallele au trajet du piston et de la tige de piston de l'autre pompe, et un moyen de commande pour commander lesdites pompes, ce moyen de commande comprenant deux leviers adjacents montes de maniere a pouvoir pivoter sur le mme axe, des moyens de liaison reliant d'une maniere amovible ces leviers, deux bielles etant reliees entre les leviers et les tiges de piston pour transformer le mouvement de pivotement des leviers en

des mouvements alternatifs des tiges de piston, et un moyen reliant de maniere reglable au moins une des bielles au levier associe pour faire varier la course de la tige de piston associee; 120 Les reservoirs d'alimentation comprennent chacun un couvercle amovible a travers lequel s'etend la tige de piston respective, et les liaisons entre les bielles et les tiges de piston sont liberalles; 13 Ledit appareil distributeur constitue avec un autre appareil distributeur ayant la mme structure, un dispositif de distribution qui comprend un moyen de support sur lequel les deux appareils distributeurs sont montes parallelement et verticalement l'un a cote de l'autre, et les deux leviers susdits sont montes l'un a cote de l'autre sur ledit moyen de support de facon a pouvoir pivoter autour du mme axe; 140 Des moyens d'arrt sont connectes aux tiges de piston de facon a limiter leur deplacement et a fixer la quantite maximum de fluide admise dans lesdites chambres de dosage a chaque course ascendante; 15 Il est prevu une buse de distribution et deux tuyaux relient les cylindres a ladite buse; 16 Des moyens servent a faire circuler un liquide chauffe en contact avec chacun desdits reservoirs, cylindres et tuyaux pour chauffer leur contenu. [Source: Claim 1] 1.RESUNIE A dispenser characterized by the following, taken separately or in combination 10 include a dosing cylinder, a piston reciprocating in the cylinder and has drilled a flow passage, a valve destiny was controlling the liquid flow through the passage, a connected piston rod at one end to the piston, a reliee valve control rod has one end to the valve and coaxial to the piston rod, and a valve control mechanism that can be selectively actuates and fitted on the other ends of said rods to move one of said rods with respect to the other when the control of said mechanism; The valve 20 serves to open and close said passage and the valve control means is connected to the second ends of said rods and has the effect, when a command to move the rods relative to each other; 3 The valve control means comprises an element rises of way has to give way on said rods, a toggle joint reliee between said second element and said rods, and a lever manually actuates a way of connecting actuating said joint; The dispenser device 40 includes a supply tank intended to contain a certain amount of liquid is dispensed, said dosing cylinder is connected to the tank and said piston delimits an expandable dosing chamber, the household passage through the piston serving a liquid inlet in the said dosing chamber from the reservoir during the displacement of the piston in a first direction the piston back the liquid out of the room when it moves in the opposite direction or second direction, said mechanism of moving a valve control of said rods with respect to each other so that the valve is moved relative to the piston to the open position to the closed position or vice versa; 5 A cover extends transversely at the top of the tank, said cylinder is vertical and connects to the bottom of the reservoir and present an output, and the metering chamber is located below the piston pushes the liquid being out of the room when the downward stroke of the piston, the piston rod extending through the cover and being connected at its lower end to the piston, the valve operating rod extending through the cover and the valve control mechanism being connected to upper ends of the rods; 6 "The lid is removable from the tank so that the tank can be removed from the cylinder and the piston, the piston rod, the valve, the valve operating rod and the valve control mechanism; 7" A pipe is connected to the cylinder and a discharge nozzle is detachably connected to the pipe; 80 The dispenser apparatus comprises an outer shell and an outer pipe space of the tank, cylinder and hose delimiting between them a space intended to receive a fluid heater to heat the contents of the tank, cylinder and hose; 9 "A support plate is mounted on the couverdie and spaced therefrom above the couverelle, and this plate presents a hole, said rods extending through this hole and slidable relative to the support plate; 10 a stop means is mounted on one of said stems which is external, between the cover and the support plate for limiting the piston stroke; 110 said distributor device is part of a dispensing device which includes two reservoirs of adjacent power, two pumps linked–piston to the respective supply reservoirs for pumping metered amounts of liquids from these reservoirs, each pump including a piston and piston rod reciprocable along a path parallel to the path the piston and the piston rod of the other pump, and a control means for controlling said pumps, said control means comprising two adjacent levers mounted in a manner to rotate on the same axis, connecting means connecting to a removable manner these levers, two connecting rods being connected between the levers and the piston rods to turn the levers pivoting movement into reciprocating movements of the piston rods, and means connecting way adjustable at least one connecting rod to the lever associated for varying the stroke of the associated piston rod; 120 The feed reservoirs each include a removable lid through which extends the respective piston rod, and the connections between the connecting rods and the piston rods are liberalles; The dispenser device 13 is with another dispenser having the same structure, a dispensing device comprising a support means on which the two dispensers are mounted parallel and vertically next to each other, and the two levers aforesaid are mountedOne next to each other on said way support means is pivotable about the same axis; Some 140 of stop means are connected to the way of piston rods to limit their displacement and fix the maximum amount of fluid admitted to said metering chambers to each upstroke; 15 It is expected a dispensing nozzle and two pipes connecting the cylinder to said nozzle; Means 16 are used to circulate a heated fluid in contact with each of said tanks, drums and pipes to heat their contents.

0) AU2016101488A – DEVICES USING A MEDIUM HAVING A HIGH HEAT TRANS...

94) Family number: 63741136 (AU2016101488A) © PatBase

Title: DEVICES USING A MEDIUM HAVING A HIGH HEAT TRANSFER RATE

Priority: AU20160101488 20160822

Family:

Publication number	Publication date	Application number	Application date
AU2016101488 AD	20161013	AU20160101488	20160822

Probable Assignee: SUN SAM

Assignee(s):(std)**:** SUN SAM

Assignee(s): SUN SAM MR

Inventor(s):(std)**:** QU ZHIPENG

Agent(s): MCDONALD LAURAINE MS

International class (IPC 8–9)**:** C09K5/14 (Advanced/Invention)

CPC: Y02P20/123 Y02P20/124

Classification Explorer

Abstract:
Source: AU2016101488A Disclosed is a heat transfer medium having high heat transfer rate, being useful in even wider fields, simple in structure, easy to made, environmentally sound, and capable of rapidly conducting heat and preserving heat in a highly efficient manner. Further disclosed are a heat transfer surface and a heat transfer element utilizing the heat transfer medium. Further disclosed are applications of the heat transfer element.

0) US5133848A – ON–SITE OXIDANT GENERATOR

95) Family number: 5095526 (US5133848A) © PatBase

Title: On–site oxidant generator

Priority: US19910740095 19910805

Family:

Publication number	Publication date	Application number	Application date
US5133848 A	19920728	US19910740095	19910805

Probable Assignee: OXI GENERATORS INC

Assignee(s):(std)**:** OXI GENERATORS INC

Assignee(s): OXI GENERATORS INC A CORP OF VIRGINIA

Inventor(s):(std)**:** MEYERS DONALD E

International class (IPC 8–9)**:** C02F1/467 (Advanced/Invention)

International class (IPC 1–7)**:** C25B11/03 C25B11/10 C25B15/08 C25B9/00

CPC: C02F1/4674 C02F2103/42 C02F2201/46115 C02F2201/4615 C02F2201/46155 C02F2201/4617

European class: C02F1/467B2 M02F103/42 M02F201/461B10D M02F201/461B4 M02F201/461B6F M02F201/461B8

US class: 204/228 204/229.4 204/263 204/266 204/284 204/290F 204/293

Classification Explorer

Cited documents: US5037519 A, US5034110 A, US4976842 A, US4786391 A, US4724059 A, US4129493 A,

Forward Citations: US6942766, US6368474, US5736016, US5688385, US2015259223, US2014166498, US2004140200,

Abstract:
Source: US5133848A A water treatment device which is of simple construction and operation, and which can provide sufficient oxidant gas to disinfect drinking water for about 3,000 people. The device includes an electrolysis unit, a water flow circuit with constant water flow and a venturi which aspirates the oxidant gas produced by the electrolysis unit. A timer turns the electrolysis unit on and off to maintain oxidant gas levels substantial constant in the water supply and a valve is provided which is operated by a timer unit to replace water in the anode compartment of the electrolysis unit. When the electrolysis unit is shut–off for maintenance, the venturi is used to aspirate liquid from the electrolysis unit, thus avoiding operator contact with caustic chemicals to the extent possible.

0) US2005211480A – LONG RANGE HYDROGEN FUELED VEHICLE CONSTRUCTION...

96) Family number: 32274415 (US2005211480A) © PatBase

Title: LONG RANGE HYDROGEN FUELED VEHICLE CONSTRUCTION

Priority: US19950373090 19950117 US19970950445 19971015 US19990350713 19990709 US20050055797 20050129 US20050251971 20051017 US20050294071 20051205 US20080156702 20080604

Family:

Publication number	Publication date	Application number	Application date
US2005211480 AA	20050929	US20050055797	20050129
US2006032683 AA	20060216	US20050251971	20051017
US2006070790 AA	20060406	US20050294071	20051205
US2008238140 AA	20081002	US20080156702	20080604
US7036616 BA	20060502	US19990350713	19990709

Probable Assignee: ELECTRION INC

Assignee(s):(std)**:** ELECTRION INC ; KEJHA JOSEPH B

Inventor(s):(std)**:** KEJHA JOSEPH B

Inventor(s): KEJHA JOSEPH

Agent(s): JOSEPH B KEJHA

International class (IPC 8–9)**:** B60K1/00 B60K6/00 B60K6/04 B60K6/52 B60K7/00 B62D21/00 B62D25/02 B62D29/04 B62D35/00 (Advanced/Invention); B60K6/00 B60K7/00 B62D25/00 B62D29/00 B62D35/00 (Core/Invention)

International class (IPC 1–7)**:** B60K6/04

CPC: Y10S903/908 B60K6/46 B62D29/00 B62D35/00 Y02T10/6269 B60K1/00 B60K7/00 B60K1/04 B60K17/356 B60K2001/0438 B60L11/123 B60K1/02 B60K6/442 B60K6/52 B60K7/0007 B60K17/043 B60K2007/0046 B60K2007/0092 B60L11/126 B60L11/14 B60L11/1877 B60L2220/46 B60L2260/28 B62D23/005 B62D29/008 B62D31/003 Y02T10/6217 Y02T10/6234 Y02T10/6265 Y02T10/7005 Y02T10/705 Y02T10/7077 B62D27/023 B62D27/026 B62D29/005 B62D61/065 B62J17/02 B62K3/005 B62M23/02

European class: B60K6/04T2 B60K6/442 B60K6/46 B60K6/52 B60K7/00E B60L11/12D B60L11/12D2 B60L11/14 B60L11/18M36 B62D23/00B B62D29/00 B62D29/00C B62D31/00B B62D35/00 L60K1/02 L60K17/04B L60K7/00S L60K7/00W L60L220/46 L60L260/28 Y02T10/62F10 Y02T10/62F12 Y02T10/62F2 Y02T10/62F6B Y02T10/70 Y02T10/70B Y02T10/70H4 Y02T10/70J2

US class: 180/311 180/65.1 180/65.100P 180/65.2 180/65.245 180/65.245P 180/65.265 180/65.265S 180/65.3 180/65.4 296/181.1 296/181.100P 296/191 296/191S 296/203.01 296/203.010S 429/13 429/532 903/908 903/925

Classification Explorer

Cited documents: US6818075 BA, US5991670 A, US5840270 A, US5690889 A, US5462021 A, US5372617 A, US5360461 A, US5345154 A, US5338080 A, US5293857 A, US5143025 A, US4985184 A, US4226213 A, US4148505 A, US4124741 A, US4112875 A, US4085709 A, US4031865 A, US3895102 A, US3858674 A, US3785514 A, US3617364 A, US3517766 A, US3391752 A, US2757018 A, US2647012 A, US1567169 A, JP6156316 A2, GB2254055 A1,

Forward Citations: WO14166818, WO13022453, WO12162241, WO12162241, WO09126321, WO09051788, WO08154721, WO08124374, WO08112604, WO07089971, WO07089971, USRE45431, USD765569, US9616389, US9315078, US9261312, US9227507, US9187324, US9162558, US9102529, US9062398, US9004510, US8985255, US8960771, US8752512, US8720389, US8701804, US8603628, US8403091, US8342283, US8317257, US8313121, US8256549, US8141523, US8011461, US8007706, US7992528, US7765961, US7753010, US7717202, US7681676, US7445070, US7219758, US2017021889, US2016064975, US2016052440, US2015251610, US2015104688, US2015034295, US2014065020, US2012217712, US2012171089, US2012037441, US2012000719, US2011303176, US2011303175, US2011303166, US2011198145, US2011120787, US2011061957, US2010314182, US2010270097, US2010181190, US2010078254, US2010078253, US2010078245, US2010051449,

US2009255747, US2009223725, US2009101420, US2009050383, US2009001764, US2008268258, US2008264704, US2008245593, US2008223633, US2008025829, US2007289325, US2007235900, US2007209608, US2007169723, US2006273596, US2006237242, US2006225941, US2004108151, KR100877702, JP5839245, JP2015077959, DE102010024320, CN104736474,

Abstract:
Source: US2005211480A Long range hydrogen fueled vehicle which carries at least two passangers, which has at least three wheels, said passengers sitting in tandem and most of the batteries or fuel cell systems are located on the sides of the passengers. The vehicle has an aerodynamically shaped body with substantially reduced frontal area and drag. The body is lightweight, made from shock absorbing materials and structures, and has pressure−airless tires, which enhances the safety of the passengers. The vehicle also includes an advanced hydrogen−electric or hydrogen−pneumatic hybrid propulsion system with quick refueling from existing infrastructure and various additional optional features and systems.

0) GB854298A – IMPROVEMENTS IN, OR RELATING TO, ABLUTIONARY AP...

97) Family number: 20512130 (GB854298A) © PatBase

Title: Improvements in, or relating to, ablutionary appliances

Priority: GB19580010187 19580331

Family:

Publication number	Publication date	Application number	Application date
GB854298 A	19601116	GB19580010187	19580331

Probable Assignee: J S WRIGHT AND CO LTD

Assignee(s):(std)**:** J S WRIGHT AND CO LTD

Assignee(s): J S WRIGHT AND CO LIMITED

Inventor(s):(std)**:** WRIGHT WILLIAM EDWARD

International class (IPC 8–9)**:** A47J39/00 (Advanced/Invention); A47J39/00 (Core/Invention)

CPC: A47J39/00

European class: A47J39/00

Classification Explorer

Abstract:
Source: GB854298A 854,298. Lavatory basins; waste fittings. WRIGHT and CO. Ltd., J. S. June 30, 1959 [March 31, 1958], No. 10187/58. Class 26. A self–contained ablutionary appliance comprises a lagged or heat–insulated water–storage reservoir 2 from which water is discharged through a tap 7 into a bowl 9 or like receptacle. The reservoir 2 with feet 3 is within a box 1 or larger–proportioned container, fibreglass 4, for example, intervening, the tap 7 being fitted thereto through a pipe 8. The bowl 9 is hinged on lugs 11 and can be swung from the position shown in Fig. 2 to a vertical position, when any water therein is discharged through perforation 18. Straps 12, pivoted at 12a, then each slidingly engage with a loop 13, and notches 14 finally engage the edges of the loops, (which are abutted by stops 15 to locate the bowl for receiving water), to be locked thereby, each free end entering into a bracket 16 on the container 1, a member 17 locking the straps 12 by engagement therewith. Instead of perforations 18 the bowl may function as necessary by having a waste–outlet through which a stem passes freely having a disc on the inside and a weight on the outside. A tube 5, with a filling orifice, on the reservoir 2 extends to the outside of the container 1 to be closed by a removable cover 6 or the like. The appliance may be supported by a framework made from angle strips 19 and include a frame 20 hingedly fitting over uprights 21, an overhanging flange of a strip 22 and across piece 23 seating upon the removable top plate of the reservoir 2 in service through a pivoted strap 24 engaging a pin 25.

0) US2808965A – PORTABLE LIQUID DISPENSER

98) Family number: 21999668 (US2808965A) © PatBase

Title:	PORTABLE LIQUID DISPENSER
Priority:	US19540409342 19540210

Family:

Publication number	Publication date	Application number	Application date
US2808965 A	19571008	US19540409342	19540210

Probable Assignee:	GRAPHIA III ANTHONY J
Assignee(s):(std)	GRAPHIA III ANTHONY J ; OSBORN ALFRED W
Inventor(s):(std)	GRAPHIA III ANTHONY J ; OSBORN ALFRED W
Inventor(s):	III ANTHONY J GRAPHIA
International class (IPC 8–9)	B67D3/00 (Advanced/Invention); B67D1/00 (Advanced/Non–invention); B67D3/00 (Core/Invention); B67D1/00 (Core/Non–invention)
International class (IPC 1–7)	B67D5/02
CPC:	B67D3/00 B67D3/0019 B67D2210/00131
European class:	B67D3/00 B67D3/00E L67D210/00D16B
US class:	222/175 222/183 222/185.1

Classification Explorer

Cited documents:	US283060 A, US2732977 A, US2559877 A, US2377261 A, US2041735 A, US1979859 A, US1673007 A, GB679394 A, GB554089 A,
Forward Citations:	WO06081081, WO06081081, USD539028, US7600656, US7490740, US5611457, US5385275, US5158208, US4921143, US3147889, US2887251, US2009289080, US2008277433, US2006163284, US2005029319,

Abstract:
Source: US2808965A (Claim 1) What is claimed as new is as follows: A portable liquid dispenser comprising an insulated housing, a replaceable liquid container removably carried by said housing, said insulated housing including an outer rigid shell and an inner casing, the inner casing being generally rectangular in cross»section and being spaced from said outer shell, said outer shell having a curved portion titting the back of a person carrying the portable liquid dispenser, insulation disposed intermediate said outer shell and said inner casing, said housing including a fixed bottom wall and a removable top wall, a support within said easing above said bottom Wall, said liquid container being seated on said suppon, said liquid container having a bottom wall, side walls and a top Wall, said side walls extending upwardly above said top wall, a nller carried by said top wall within the area defined by said side walls, a carrying handle carried by said top Wall Within the area defined by said side walls, said bottom wall having a discharge pipe projecting downwardly therefrom in the space between said liquid container bottom wall and said housing bottom wall, an opening 2,sos,9es in said housing bottom wall, a dispensing tube connected to said discharge pipe and extending downwardly through said opening, an automatic shut–off valve disposed be~ tween said discharge pipe and said dispensing tube, and a dispensing valve carried by said dispensing tube remote from said discharge pipe.

0) US2002096538A – DRUM ASSEMBLY FOR DISPENSING A PLURALITY OF FLU...

99) Family number: 28220899 (US2002096538A) © PatBase

Title: Drum assembly for dispensing a plurality of fluids

Priority: AR2001P100249 20010119

Family:

Publication number	Publication date	Application number	Application date
AR027254 AA	20030319	AR2001P100249	20010119
US2002096538 AA	20020725	US20010039698	20011019
US6681956 BB	20040127	US20010039698	20011019

Probable Assignee: BELTRAN BOLGAR JOSE

Assignee(s):(std)**:** BELTRAN BOLGAR JOSE ; BOLGAR JOSE BELTRAN

Inventor(s):(std)**:** BOLGAR JOSE BELTRAN

International class (IPC 8–9)**:** B65D1/14 B65D1/20 B67D3/00 (Advanced/Invention); B65D81/32 (Advanced/Non–invention); B65D1/00 B67D3/00 (Core/Invention); B65D81/32 (Core/Non–invention)

International class (IPC 1–7)**:** A67D5/56 B65D1/14 B67D5/56

CPC: B65D1/20 B65D81/3205

European class: B65D1/20 B67D3/00 L65D81/32B

US class: 220/23.8 220/506 220/555 222/129 222/181.2 222/321.9 222/465.1 222/481 222/509

Classification Explorer

Cited documents: US6439757 BB, US6010034 A, US5868287 A, US5842609 A, US5673817 A, US5413251 A, US5303852 A, US5183182 A, US5085346 A, US4950083 A, US4932563 A, US4886176 A, US4715279 A, US4640441 A, US4616759 A, US4550854 A, US4491245 A, US4143795 A, US4139124 A, US4032047 A, US3987932 A, US3698551 A,

Forward Citations: USD729342, USD729341, USD727458, US9708113, US9643768, US9428326, US7815077, US2009266848, US2007095999, US2005284889, FR2916739,

Abstract:
Source: US2002096538A The drum assembly of the present claimed invention is used for washing and is comprised of a primary container and a supplementary container integral as a single structure. The primary container may be filled with water and the supplementary container may be filled with any cleansing substance, for example, detergent. The primary container includes a support base and a flattened body of the handle for the mounting or support of the drum where toilet assemblies are not available, such as in trucks, motor vehicles, camping facilities, and any other suitable location.

0) US5730863A – REPLACEABLE WATER FILTER ASSEMBLY FOR WATER–BOT...

100) Family number: 10714838 (US5730863A) © PatBase

Title: Replaceable water filter assembly for water–bottle fed cooler housing

Priority: US19960674632 19960705

Family:

Publication number	Publication date	Application number	Application date
US5730863 A	19980324	US19960674632	19960705

Probable Assignee: LVD ACQUISITION LLC

Assignee(s):(std)**:** DANAMARK IND ; ADDICO PRODUCTS INC

Assignee(s): ADDICO PRODUCTS INC 152 BRUNSWICK POINTE CLAIRE QU ; BANK OF MONTREAL AGENT AS ; BANK OF MONTREAL AS AGENT ; LES PRODUITS ADDICO INC ; ZOHAR WATERWORKS LLC ; PATRIARCH PARTNERS AGENCY SERVICES LLC ; DANAMARK INDUSTRIES ; LVD ACQUISITION LLC ; DANAMARK IND LTD (EQUAL RIGHTS)

Inventor(s):(std)**:** HOWLINGS ROBIN ; MORAND MICHEL

International class (IPC 8–9)**:** B67D3/00 B67D7/76 (Advanced/Invention); B67D1/00 (Advanced/Non–invention)

International class (IPC 1–7)**:** B01D17/12

CPC: B01D17/10 B67D3/00 B67D2210/00005 B67D2210/0001 B67D2210/00154

European class: B01D17/10 B67D3/00 L67D210/00B2 L67D210/00B2D L67D210/00F2B2

US class: 210/109 210/123 210/232 210/473 210/541 222/185.1 222/189.06 62/389

Classification Explorer

Cited documents: US5573142 A, US5391293 A, US5003790 A, US4995975 A, US4946599 A, US1977006 A,

Forward Citations: WO09154932, USD501912, US8727183, US8177966, US8128820, US8119012, US7922008, US7850859, US7749394, US7740766, US7740765, US7615152, US6945289, US6871675, US6460361, US6418742, US6250084, US2012325342, US2011284585, US2011084006, US2010000931, US2009308494, US2005247076, US2005087260, US2004129617, SG82605,

Abstract:
Source: US5730863A A filter adaptor assembly for a water cooler of the type having a support housing provided with a water bottle support at a top end to support an inverted water bottle over a water reservoir of the housing. The filter adaptor assembly comprises a support platform having a support base and it is connected in support engagement above the water reservoir. Supports are connected to the support base for securing one or more filter cartridges thereto. A dispensing valve is secured under the base and has a conduit for receiving treated water from the filter assembly. The valve has a water level sensing float mechanism which is adapted to detect the water level in the reservoir to dispense or cut–off the supply of treated water to the reservoir. The filter assembly is also connected to a pressurized water supply.

0) US3206787A – SCRUBBING DEVICE

101) Family number: 22800187 (US3206787A) © PatBase

Title:	SCRUBBING DEVICE
Priority:	US19630254206 19630128

Family:

Publication number	Publication date	Application number	Application date
US3206787 A	19650921	US19630254206	19630128

Probable Assignee:	TENNANT CO G H
Assignee(s):(std):	TENNANT CO G H
Assignee(s):	G H TENNANT CO ; G H TENNANT COMPANY
Inventor(s):(std):	DANIELS ALVIN F ; SWANSON ALBERT S
International class (IPC 8–9):	A47L11/30 (Advanced/Invention); A47L11/29 (Core/Invention)
International class (IPC 1–7):	A47L11/30
CPC:	A47L11/30 A47L11/40 A47L11/4016 A47L11/4041 A47L11/4069 A47L11/4088
European class:	A47L11/30 A47L11/40 A47L11/40D2 A47L11/40F4 A47L11/40J4 A47L11/40N6
US class:	15/320 15/328 15/353 15/409 15/87
Classification Explorer	
Cited documents:	US3105991 A, US3065490 A, US2782434 A, US2726807 A, US2333829 A, US2237830 A, US2058371 A, US1969674 A, US1938068 A, US1891175 A, US1263396 A, CA609427 A,
Forward Citations:	WO07047439, USRE36565, USRE35033, USRE33926, USD693529, USD654234, US9510721, US9451861, US9192276, US9015887, US8978190, US8887340, US8528142, US8438685, US8302240, US8245345, US8161597, US7533435, US6484355, US6353964, US6108859, US6073304, US5867861, US5623743, US5280666, US5088149, US4934017, US4819676, US4817233, US4800615, US4463474, US4293971, US4287635, US4200951, US3408673, US3290716, US2015292132, US2009307866, US2006156498, US2006064844, US2005132527, US2004226584, EP0338773, EP0230665, DE4229204,

Abstract:
Source: US3206787A (Claim 1) 1. Apparatus for maintaining floor surfaces and the like comprising a floor maintenance machine having an operator handle guide wheel–supported frame, a drive motor on the aforementioned frame, a brush drivenly connected to said motor on the machine frame mounted for rotation and mounted so that the brush contacts the surface on which the machine travels, an attachment including a trailer frame having wheel support means, said trailer frame being detachably securable to the maintenance machine frame for towing behind said maintenance machine, a scrubbing solution dispensing tank on said trailer frame, a valve–controlled delivery tube for conveying scrubbing solution connected to the scrubbing solution tank and extendable forward to the front of said maintenance machine, a liquid distributing header detachably secured to the front of the maintenance machine frame connected to said delivery tube for receiving and distributing scrubbing solution, a closed collection tank on the trailer frame for holding recovered dirty scrubbing solution, means connected to the collection tank for inducing a partial vacuum therein, a squeegee mounted on the rear end of the trailer for engaging the surface over which the trailer moves, and a suction tube extending from the collection tank to adjacent the surface on which the trailer moves and mounted forward in respect to the squeegee for receiving an inflow of air and entrained used scrubbing liquid collected by the squeegee when a vacuum is induced in the collection tank, and a detachable scrub brush assembly having a frame, a drive motor in the last mentioned frame, a scrub brush drivenly connected to said drive motor, said machine frame at a front corner portion thereof and said assembly frame having cooperating means for removably mounting said assembly on the machine, said assembly being operable in both a machine mounted condition and a removed condition for scrubbing a floor surface.

0) US2291826A – REFRIGERATING MECHANISM

102) Family number: 21241927 (US2291826A) © PatBase

Title: Refrigerating mechanism

Priority: US19340737485 19340730 US19380200736 19380407

Family:

Publication number	Publication date	Application number	Application date
US2145775 A	19390131	US19340737485	19340730
US2291826 A	19420804	US19380200736	19380407

Probable Assignee: GLENN MUFFLY

Assignee(s):(std)**:** GLENN MUFFLY

Inventor(s):(std)**:** GLENN MUFFLY

Inventor(s): MUFFLY GLENN

International class (IPC 8–9)**:** F25C1/08 F25C1/12 F25D11/00 F25D23/12 (Advanced/Invention); F25C1/08 F25C1/12 F25D11/00 F25D23/12 (Core/Invention)

International class (IPC 1–7)**:** F25C1/00 F25D21/06

CPC: F25C1/08 F25C2600/04 F25D11/006 F25D23/126 F25C1/12

European class: F25C1/08 F25C1/12 F25D11/00D F25D23/12B R25C600/04

US class: 62/123 62/132 62/137 62/179 62/180 62/186 62/201 62/203 62/227 62/229 62/288 62/302 62/332 62/342 62/353 62/391 62/392 62/408 62/429 62/435 62/507 62/73 62/75

Classification Explorer

Forward Citations: WO08077710, WO08077710, US9121416, US8408016, US7757340, US7681406, US7587904, US5190189, US3255609, US3121627, US2995905, US2982113, US2963885, US2942432, US2826899, US2775096, US2744390, US2718123, US2657551, US2656689, US2652227, US2616270, US2572508, US2429851, US2428312, US2007163282, US2007110606, US2007000272, EP0053589,

Abstract:
Source: US2291826A 1. In combination, a refrigerator cabinet. a refriserating System arranged to cool said cabinet, a sharp freezing chamber within said cabinet and insulated to :reduce heat exchange with the interior of said cabinet, means associated with said sharp freezing chamber and with said system for cooling the sharp freezing chamber. means within said cabinet including an element forming a part of said system and cooled by said system for smiling the air in said cabinet outside of said sharp freezing chamber. and automatically operable xneans for periodically defrosting said last named means while the temperature within the sharp freezing chamber is maintained at values lower than freezing temperatures.

0) US3147762A – DEVICE FOR SILENCING WATER FLOWING INTO STORAGE...

103) Family number: 22551770 (US3147762A) © PatBase

Title: DEVICE FOR SILENCING WATER FLOWING INTO STORAGE TANK OF WATER CLOSET

Priority: US19600003420 19600119

Family:

Publication number	Publication date	Application number	Application date
US3147762 A	19640908	US19600003420	19600119

Probable Assignee: OGDEN CORP

Assignee(s):(std)**:** OGDEN CORP

Inventor(s):(std)**:** DUCEY JAMES A

International class (IPC 8–9)**:** E03D1/28 E03D11/00 E03D9/14 (Advanced/Invention); E03D1/24 E03D11/00 E03D9/00 (Core/Invention)

International class (IPC 1–7)**:** E03D1/28 E03D11/00

CPC: E03D11/00 E03D1/286 E03D9/14 Y10T137/3185 Y10T137/7446

European class: E03D1/28D E03D11/00 E03D9/14

US class: 137/216 137/436 181/234 4/331

Classification Explorer

Cited documents: US630315 A, US2738851 A, US2722229 A, US2621886 A, US2581043 A, US2444958 A, US2274862 A, US2229600 A, US1976442 A, US1901633 A, US1843462 A, US1649620 A, US1313831 A, US1249837 A,

Forward Citations: US6675398, US5175894, US4918763, US4858252, US4835797, US4408361, US3654637, US3459210,

Abstract:
Source: US3147762A (Claim 1) 1. In a water supply system for a water closet including a water storage tank and a body arranged in said tank above the normal water level therein and having a downwardly open discharge port, the combination therewith of a device for silencing the water flowing downwardly from said body into said tank, said device comprising an elongated circular cylindrical upright hush tube connected at its upper end to said discharge port and having a cage forming peripheral openings above said normal water level to provide an anti−siphoning air gap and means forming a seat and defining a reduced entrance in the upper end of said tube to prevent the water flowing into said cage from escaping through said pe− ripheral openings, and an elongated circular cylindrical rod arranged in said tube and having a plurality of radially diverging fins supported against lateral movement on said seat for dividing the water flowing into said cage from said discharge port through said entrance into a plurality of substantially parallel streams and for centering the upper end of said rod in said tube and a pair of circular collars spaced below said peripheral openings and from each other for momentarily dispersing the divided water flow in said tube from a downward to a lat− erally diverging direction, the lower collar having cir− cumferentially spaced lugs engagable with said tube for centering the lower end of said rod therein, the lower ends of said fins and the lower surfaces of said collars being tapered inwardly to induce the water to flow downwardly and inwardly toward and thence along said rod.

104) Family number: 43773404 (WO11012891A2) © PatBase

Title: POWER CONNECTOR SYSTEM

Priority:

CN201120473947U 20111124 CN201120560246U 20111223 GB20090013194 20090729
DE201220100895U 20120313 CN201220174143U 20120423 CN201220721777U 20121224
GB20100002777 20100218 GB20100003471 20100302 GB20100003611 20100304
GB20100008015 20100513 GB20100017391 20101014 GB20090021767 20091214
GB20100019649 20101119 GB20100021926 20101223 WO2010GB51235 20100727
GB20110004819 20110322 GB20110006827 20110421 GB20110008826 20110525
GB20110012936 20110727 GB20110014267 20110818 GB20110016404 20110922
GB20120001665 20120131 GB20110007507 20110505 GB20120008297 20120511
GB20120009018 20120522 GB20120014621 20120816 GB20130020628 20131122
GB20140001811 20090729 GB20120053268 20121224 GB20140002933 20110218
WO2011GB00231 20110218 WO2012GB50358 20120217 WO2012GB53268 20121224
WO2011GB52590 20111223

Family:

Publication number	Publication date	Application number	Application date
CN102762135 A	20121031	CN201180010290	20110218
CN102762135 B	20160629	CN201180010290	20110218
CN103458745 A	20131218	CN201180068035	20111223
CN103561615 A	20140205	CN201280018093	20120217
CN103561615 B	20160928	CN201280018093	20120217
CN104039203 A	20140910	CN201280063745	20121224
CN104039203 B	20170315	CN201280063745	20121224
CN202208434 U	20120502	CN201120160286U	20110513
CN202234933 U	20120530	CN201120160096U	20110513
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Probable Assignee: OTTER CONTROLS LTD

Assignee(s):[(std)]**:** HADFIELD ROBERT HENRY ; BOUNDY PAUL ; AOTAI TEMPERATURE CONTROLLER SHENZHEN CO LTD ; HUNT ANDREW ; GAETA ANTONIO MARTIN ; HADFIELD ROBERT ; GAETA ANTONIO ; LINDLEY RICHARD ; OTTER CONTROLS LTD ; ORRITT TREVOR NEILL ; MOORE ROBIN KEITH ; MOORE ROBIN ; SMITH DAVID ANDREW SMITH ; SIDDONS JEREMY FRANCIS ; SMITH DAVID ; SO RICHARD ; SHERRATT MARK ; WHITE IAN ; AN YUAN ; AOTAI TEMPARATURE CONTROLLER SHENZHEN CO LTD ; OTTER TEMPERATURE CONTROLLER SHENZHEN CO LTD ; WHITELEY SIMON ; WHITE IAN GEOFFREY ; WRIGHT PETER ; WRIGHT PETER HALLAM ; OTTER CONTROLS SHENZHEN CO LTD ; OTTER CONTROLS SHENZHEN LTD

Assignee(s): OTTER CONTROLS SHENZHEN LIMITED ; AOTAI TEMPERATURE CONTROLLER SHENZHEN CO ; AOTAI TEMPARATURE CONTROLLER SHENZHEN CO ; OTTER CONTROLS SHENZHEN CO ; OTTER CONTROLS LIMITED

Inventor(s):[(std)]**:** YUAN AN ; WRIGHT PETER HALLAM ; WRIGHT PETER H ; WRIGHT PETER ; WHITELI SIEMON ; WHITELEY SIMON MARK ; WHITE IAN GEOFFREY ; WHITE IAN ; SO RICHARD CHEE CHEUNG ; SO RICHARD ; SMITH SMITH DAVID ANDREW ; SMITH DAVID ANDREW SMITH ; SMITH DAVID ANDREW ; SMITH DAVID ; SIMON WHITNEY ; SIMON WHITELEY ; SIMON MARK WHITELEY ; SIDDONS JEREMY FRANCIS ; SIDDONS JEREMY ; SHERRATT MARK ; SIMOUN WHITLEY ; ROBIN MOORE ; RICHARD ZHIZHANG SU ; RICHARD WILLIAM LINDLEY ; RICHARD SU ; RICHARD SO ; RICHARD LINDLEY ; RICHARD CHEE CHEUNG SO ; ROBERT HENRY HUDDERSFIELD ; ROBERT HADFIELD ; RICHARK LINDLEY ; R H HADFIELD ; R H HADFIED ; PETER WRIGHT ; PETER HALLAM WRIGHT ; PETER HAARLEM WRIGHT ; ROBIN KEITH MORE ; ROBIN KEITH MOORE ; PAUL BUNDY ; PAUL BOUNDY ; MARK STUART BUXTON ; MARK SHERRATT ; MARK RICHARD FARLAM ; MARK CHERAUTE ; LINDLEY RICHARD WILLIAM ; LINDLEY RICHARD ; KEITH MOORE ROBIN ; P H WRIGHT ; ORRITT TREVOR NEILL ; MOORE ROBIN KEITH ; MOORE ROBIN ; MOLE ROBIN ; MARTIN GAETA ANTONIO ; JEREMY FRANCIS SIDDONS ; IAN GEOFFREY WHITE ; HUNT ANDREW ;

HENRY HADFIELD ROBERT ; HENDRIK JOHAN ARNOUT NIEUWENHUIS ; HALLAM WRIGHT PETER ; HADFIELD ROBERT ; GEOFFREY WHITE IAN ; GAETA TONY ; GAETA TONI ; GAETA ANTONIO MARTIN ; GAETA ANTONIO M ; GAETA ANTONIO ; FRANCIS SIDDONS JEREMY ; FARLAM MARK RICHARD ; FARLAM MARK ; DAVID ANDREW WILLIAM ; DAVID ANDREW SMITH ; COLLINSON MIKE ; BUXTON MARK STUART ; BOUNDY PAUL ; BONDY PAUL ; A M GUETTA ; A M GETA ; WHITELEY SIMON M ; TREVOR NEILL ORRITT ; SIMON M WHITELEY ; ROBERT HENRY HADFIELD ; HADFIELD ROBERT HENRY ; WHITELEY SIMON ; ANDREW HUNTER ; ANDREW HUNT ; AN YUAN ; ANTONIO MARTIN GAETA ; ANTONIO GAETA

Inventor(s): ANDREWHUNTER ; AMGUETTA ; ANTONIOMARTINGAETA ; ANTONIOGAETA ; IAN WHITE ; MARKSHERRATT ; MARKCHERAUTE ; MIKE COLLINSON ; JEREMY SIDDONS ; PAUL BONDY ; ROBERTHENRYHADFIELD ; PAULBUNDY ; PAULBOUNDY ; PHWRIGHT ; PETERWRIGHT ; RICHARDZHIZHANGSU ; RICHARDSU ; RICHARDLINDLEY ; RHHADFIELD ; RHHADFIED ; ROBIN MOLE ; SIMONWHITNEY ; SIMONWHITELEY ; ROBINKEITHMORE ; ROBINKEITHMOORE ; SIEMON WHITELI ; SIMOUNWHITLEY ; TREVORNEILLORRITT ; TONY GAETA ; TONI GAETA

Agent(s): CROSS JAMES PETER ARCHIBALD; PATENT CORPORATE BODY ARCO PATENT OFFICE; CROSS JAMES; RGC JENKINS AND CO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47J19/00 A47J27/00 A47J27/21 A47J27/56 A47J31/00 A47J31/06 A47J31/44 A47J31/46 A47J31/54 A47J31/56 A47J31/58 A47J36/00 A47J36/14 A47J36/24 A47J36/34 A47J36/42 A47J41/00 A47J43/04 A47J43/07 A47J44/02 B65D43/16 B65D47/06 B65D81/18 F16J15/00 F16J15/02 F16J15/06 F16J15/32 F16J15/3204 F16J15/3232 F16K1/14 F24H1/18 F24H9/00 F24H9/18 F24H9/20 G01F23/00 G01F23/26 G01F23/292 G02B7/20 H01H37/04 H01H37/52 H01H37/54 H01R13/00 H01R13/02 H01R13/40 H01R13/405 H01R13/42 H01R13/46 H01R13/502 H01R13/52 H01R13/631 H01R13/635 H01R13/639 H01R13/648 H01R13/70 H01R13/717 H01R24/00 H01R24/38 H01R24/58 H01R33/00 H01R33/72 H01R33/74 H01R33/94 H01R33/96 H01R33/965 H01R4/48 H05B1/00 H05B1/02 H05B3/04 H05B3/08 (Advanced/Invention); A47J27/21 H01R107/00 (Advanced/Non–invention); H01R13/00 (Core/Invention)

CPC: H01R24/38 H01R13/405 H01R24/86 H01R13/00 H01R13/46 H01R23/10 H01R33/74 H01R23/26 A47J27/2105 H01R13/453 H01R13/52 G02B7/20 H01R13/7172 H01R13/7175 A47J31/46 A47J31/58 A47J36/14 G01F23/00 H01R13/717 G01F23/268 G01F23/266 A47J27/21083 A47J27/21091 A47J36/34 F16J15/021 F16J15/3204 F16J15/3232 G01F23/263 G01F23/292 H01R13/5205 A47J41/0027 A47J27/21191 A47J27/21116 H01R13/42 H01R13/5227 H05B3/04 H05B3/08 H01R2103/00 A47J36/24 A47J36/00 F16J15/00 A47J27/21058 A47J27/21075 A47J27/21175 A47J41/0022 A47J27/21166 H01H37/04 H01H37/54 A47J27/21 H01H37/043 H01H37/5409 A47J27/21158 A47J27/21066 A47J27/21108 A47J27/21125 H01H37/52 H05B1/0213 H01R13/7137 H01R24/78 H01R24/58 H01R13/631

European class: A47J27/21B3 A47J27/21B4 A47J27/21B4A1 A47J27/21C1 A47J27/21C3 A47J41/00C3T A47J41/00C5 G01F23/26B4 G01F23/26B6 H01R23/26 K47J27/21B3 K47J41/00C3T T01R13/453 T01R13/52

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Abstract:
A power connector comprises a central terminal and at least three peripheral terminals distributed around the central terminal, the peripheral terminals being substantially equally spaced from the central terminal. This configuration may allow a smaller footprint for such a connector, thus enabling better sealing, lower cost and/or greater flexibility of application, while avoiding safety problems such as tracking.

0) US2016073824A – HEATED DUAL–WALL CARAFE APPARATUS AND METHOD

105) Family number: 57714102 (US2016073824A) © PatBase

Title: HEATED DUAL–WALL CARAFE APPARATUS AND METHOD

Priority: AU20130901499 20130430 WO2014AU00476 20140430

Family:

Publication number	Publication date	Application number	Application date
CN105392396 A	20160309	CN201480037294	20140430
EP2991529 A1	20160309	EP20140791870	20140430
EP2991529 A4	20170322	EP20140791870	20140430
US2016073824 AA	20160317	US20140787470	20140430
WO14176630 A1	20141106	WO2014AU00476	20140430

Probable Assignee: BREVILLE PTY LTD

Assignee(s):(std)**:** BREVILLE R AND D PTY LTD

Assignee(s): BREVILLE PTY LTD

Inventor(s):(std)**:** HARROD RICHARD ; WHITE GERARD ANDREW

Agent(s): WILLIAMS CEILI; MOLINS MICHAEL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47J31/50 A47J41/00 A47J41/02 B65D81/38 (Advanced/Invention)

CPC: A47J41/022 A47J41/0072 B65D81/3841 A47J31/50 A47J41/005 A47J41/02

US class: 220/592.18

Classification Explorer

Cited documents: WO11078814 A2, US7091455 BB, US5946936 A, US5168793 A, US4718566 A, US2008105692 AA, US2002083840 AA, GB2461113 A1, DE338680 A,

DE202004016501 U1

Abstract:
Source: US2016073824A An insulated carafe device. The device including: a body that comprises an outer sidewall; an internal wall that forms an internal reservoir; the outer sidewall and internal wall defining a cavity there between; and the internal reservoir being adapted to be heated by a heat source.

0) US2011073104A – PARABOLIC TROUGH SOLAR ENERGY COLLECTION SYSTEM...

106) Family number: 44071106 (US2011073104A) © PatBase

Title: PARABOLIC TROUGH SOLAR ENERGY COLLECTION SYSTEM

Priority: US20080046327 20080418 US20080046327P 20080418 US20080081655P 20080717 US20080128198P 20080519 US20080081655 20080717 US20080128198 20080519 US20080195291P 20081003 US20080192079P 20080912 US20080192086P 20080912 US20080188240P 20080806 US20100907010 20101018 US20080195291 20081003 US20080192079 20080912 US20080192086 20080912 WO2009US41171 20090420 WO2009US04539 20090806 US20110931700 20110207

Family:

Publication number	Publication date	Application number	Application date
AU2009251510 AA	20091203	AU20090251510	20090420
AU2009280011 AA	20100211	AU20090280011	20090806
EP2304333 A2	20110406	EP20090755577	20090420
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WO10016934 A3	20101216	WO2009US04539	20090806
WO10016934 A9	20100514	WO2009US04539	20090806

Probable Assignee: SOPOGY INC

Assignee(s):(std)**:** DOPP KIP H ; KIMURA DARREN T ; MARGANKUNTE NAVEEN N ; SIKORA JOSEF A ; SOPOGY INC ; SUGIMURA PETER J

Assignee(s): ROGERS HENK

Inventor(s):(std)**:** DOPP KIP H ; MARGANKUNTE NAVEEN N ; KIMURA DARREN T ; SIKORA JOSEF A ; SUGIMURA PETER J

Inventor(s): SUGIMURA PETER ; KIP H DOPP ; MARGANKUNTE NAVEEN ; NAVEEN N MARGANKUNTE ; PETER J SUGIMURA ; SIKORA JOSEF ; JOSEF A SIKORA ; KIMURA DARREN ; DARREN T KIMURA ; DOPP KIP

Agent(s): FB RICE; FB RICE PTY LTD; PRICE NIGEL JOHN KING; HOLLAND CHARLES ET AL; BELUSKO VINCENT J ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B23P19/00 F24J2/02 F24J2/05 F24J2/07 F24J2/10 F24J2/14 F24J2/24 F24J2/52 F24J2/54 (Advanced/Invention); F24J2/00 F24J2/04 F24J2/05 F24J2/06 F24J2/14 F24J2/52 F24J2/54 (Core/Invention)

International class (IPC 1–7): F24J 2/05 F24J 2/14 F24J 2/52 F24J 2/54 F24J2/05 F24J2/07 F24J2/14

CPC:

F24J2002/5482 F24J2/14 F24J2/055 F24J2/52 F24J2/541 F24J2002/1023 Y02E10/44 Y02E10/47 F24J2/5264 Y10T29/49817 F24J2/145 F24J2/07 Y02B10/20 Y02E10/41 Y02E10/45 F24J2/461

European class: F24J2/05B F24J2/07 F24J2/14 F24J2/14C F24J2/52 F24J2/54B4 R24J2/10A8 Y02B10/20 Y02E10/41 Y02E10/44 Y02E10/45 Y02E10/47

US class: 126/651 126/680 126/680S 126/684 126/684S 29/426.2 29/426.200S

Classification Explorer

Cited documents: WO07146183 A2, WO02097341 A1, US6857426 BB, US61195291, US61192086, US61192079, US61188240, US61135146, US61128198, US61081655, US61046327, US5964216 A, US5950618 A, US5699785 A, US5676128 A, US4678292 A, US4674477 A, US4604990 A, US4523575 A, US4515149 A, US4515148 A, US4390241 A, US4317444 A, US4263893 A, US4217884 A, US4210463 A, US4205657 A, US4202322 A, US4149523 A, US4139270 A, US4136671 A, US4038972 A, US2009096126 AA, US2009027792 AA, US2007240704 AA, US16614 A, DE3822178 A1, DE2738859 A1, CH637202, AU2004202597 AA,

Forward Citations: WO15130808, WO15004113, WO14188295, WO14160182, WO14155217, WO14118153, WO14110514, WO14110514, WO14041329, WO13158496, WO13138386, WO13084016, WO13040322, WO13040322, WO13016828, WO12111008, WO12094265, US9620663, US9608155, US9494338, US9431561, US9413287, US9353973, US9349899, US9347691, US9270225, US9252307, US9093587, US9080790, US9057543, US8884155, US8844519, US8686279, US8669462, US8615960, US8584666, US8443795, US8430093, US8407950, US8322333, US7950387, US2016261230, US2015247490, US2014283818, US2014251034, US2014246549, US2014182578, US2014158114, US2014069483, US2014048121, US2013341294, US2013240473, US2013125875, US2013027796, US2012285444, US2012255540, US2012174967, US2012174910, US2011100358, US2010252030, US2010108118, US2008127967, EP2863145, EP2602570, CN104956159, CN104919254, CN104567018, CN103493217, CH706918,

Abstract:
Source: US2011073104A Examples and variations of apparatus and methods for concentrating solar radiations with trough solar energy collectors are disclosed. A support assembly for a trough solar energy collector has a plurality of transverse ribs attached to longitudinal rails and end assemblies secured to the rails. End assemblies may attach to longitudinal rails through transverse ribs, and guy wires may span from one of the end sections to the other. Transverse ribs may be formed of two rib sections with semi−parabolic shape. Solar energy collecting panels may be placed on the ribs and secured with cowlings and transverse panel−retaining strips, for instance.

0) US2005145370A – INDIRECT HEATED HOT WATER SYSTEMS

107) Family number: 32061405 (US2005145370A) © PatBase

Title: INDIRECT HEATED HOT WATER SYSTEMS

Priority: AU20040200011 20040106

Family:

Publication number	Publication date	Application number	Application date
AU2004200011 AA	20050721	AU20040200011	20040106
US2005145370 AA	20050707	US20040917975	20040813

Probable Assignee: HEAT RECOVERY TECHNOLOGY PTY LTD

Assignee(s):(std): HEAT RECOVERY TECHNOLOGY PTY L

Assignee(s): HEAT RECOVERY TECHNOLOGY PTY LIMITED ; HEAT RECOVERY TECHNOLOGY PTY LTD

Inventor(s):(std): MERRYFULL ALBERT ; MERRYFULL ALBERT E

Inventor(s): MERRYFULL ALBERT EDWARD ; ALBERT MERRYFULL

Agent(s): ACUMEN INTELLECTUAL PROPERTY; OSTROLENK FABER GERB AND SOFFEN

International class (IPC 8–9): F24D3/08 F28D7/02 F28F9/013 (Advanced/Invention); F24D3/00 F28D7/00 F28F9/007 (Core/Invention)

International class (IPC 1–7): F24H4/04 F24H9/00 F24H9/20 F28D7/10

CPC: F24D3/087 F28D7/024 F28F9/0132

European class: F24D3/08D F28D7/02D F28F9/013D

US class: 165/104.19 165/163 165/281

Classification Explorer

Cited documents: US6065302 A, US3965972 A,

Forward Citations: US9463396, US9114564, US8991476, US8978744, US8385729, US2014138053, US2013129854, US2010319378, US2010126706, US2009095235, CN103528191,

Abstract:
Source: US2005145370A An indirect hot water system is provided with a secondary heat exchanger (130) that heats potable water upstream of the main heating tank (110). The secondary heat exchanger utilises refrigerant that has passed through the main heating tank. The system includes clips (40, 42, 60, 62) that support and separate the coils of the heat exchangers (108, 116) in the main tank (110) to increase the efficiency of the heat exchangers and the system overall. A pressure control valve maintains a substantially constant pressure and limits refrigerant flow in the secondary heat exchanger to maintain a high refrigerant temperature when the system is not operating at full capacity.

0) US4366920A – DEMAND PREPARATION SOLUBLE COFFEE URN

108) Family number: 3782573 (US4366920A) © PatBase

Title: Demand preparation soluble coffee urn

Priority: US19770865324 19771228

Family:

Publication number	Publication date	Application number	Application date
US4366920 A	19830104	US19770865324	19771228

Probable Assignee: GREENFIELD JR IRVING E

Assignee(s):(std)**:** GREENFIELD JR IRVING E ; JACOBSON RONALD C

Inventor(s):(std)**:** GREENFIELD JR IRVING E ; JACOBSON RONALD C

International class (IPC 8–9)**:** A47J31/40 (Advanced/Invention); A47J31/40 (Core/Invention)

International class (IPC 1–7)**:** B67D5/60 B67D5/62

CPC: A47J31/401

European class: A47J31/40C

US class: 222/145 222/145.5 222/146.5 222/146HE 222/413 99/285

Classification Explorer

Cited documents: US4015749 A, US3822810 A, US3805999 A, US3568887 A, US3517603 A, US3291033 A, US3084613 A, US2568840 A,

Forward Citations: WO9827852, WO05048791, USD458788, US9671157, US9267730, US9038530, US8541042, US8535748, US8524306, US8414953, US8114459, US8114458, US8114457, US8065953, US8043645, US7398725, US7140514, US6994015, US6446835, US6446545, US6349852, US6267496, US6149035, US6059145, US5988441, US5931343, US5788840, US5575405, US5330078, US5199604, US5060825, US4676149, US4674657, US4488664, US2016193618, US2012104022, US2011146497, US2011135803, US2011135802, US2011091610, US2011091609, US2011086137, US2009183641, US2008282896, US2007175336, US2006261095, US2006112832, US2004069805, US2003003209,

Abstract:
Source: US4366920A A demand preparation soluble coffee urn utilized as a replacement for conventional roasted coffee urns and constructed in a manner to closely simulate a roasted coffee urn as to size, shape, appearance, exterior configuration and provided with plumbing and electrical fittings to enable it to occupy the same position as a roasted coffee urn, thereby facilitating the use of freeze–dried coffee in institutional feeding operations, restaurants, fast food shops, cafeterias, coffee shops, diners, and the like. The soluble coffee urn includes a structure for storing and dispensing coffee powder, mixing it with hot water and discharging coffee into a cup or other suitable receptacle upon demand, that is, as long as an actuating handle is operated and to provide single or double–sided service with one or more products, including hot water, being dispensed from either or both sides of the urn.

0) DE102009048233A1 – VORRICHTUNG ZUR ZUBEREITUNG VON FLUESSIGEN LEBE...

109) Family number: 44858630 (DE102009048233A1) © PatBase

Title: VORRICHTUNG ZUR ZUBEREITUNG VON FLUESSIGEN LEBENSMITTELN, INBESONDERE ZUR ZUBEREITUNG VON HEISSGETRAENKEN, SUPPEN ODER DERGLEICHEN DEVICE FOR PREPARATION OF LIQUID FOOD, PARTICULARLY FOR PREPARATION OF HOT DRINKS, SUCH AS COFFEE OR TEA, HAS HEATING DEVICE AND LIQUID STORAGE DEVICE FOR STORING PARTICULARLY CACHED LIQUID AND WATER

Priority: DE200810050531 20081006 DE200910024046 20090605 DE200910048233 20091005

Family:

Publication number	Publication date	Application number	Application date
DE102009048233 A1	20100408	DE200910048233	20091005

Probable Assignee: VOLKSWAGEN AG

Assignee(s):(std)**:** VOLKSWAGEN AG

Inventor(s):(std)**:** ANDRONIS ODYSSEUS

International class (IPC 8–9)**:** A47J31/40 B60N3/16 (Advanced/Invention); A47J31/40 B60N3/00 (Core/Invention)

CPC: A47J31/005 A47J31/369 A47J31/407 B60N2/468

European class: A47J31/00P A47J31/36B4D A47J31/40H B60N2/46H

Classification Explorer

Cited documents: EP1785369 A1, EP1572556 A2, EP1073593 B1, DE8329744 U, DE3741939 A1, DE10244326 A1,

DE102008007254 A1

DE10020723 A1,

Forward Citations: WO16005111, WO15173128, WO15173127, WO15084201, US9481508, US9463921, ITBS20130116, DE102010006509, CN104968244,

Abstract:
Source: DE102009048233A1 Die Erfindung betrifft eine Vorrichtung zur Zubereitung von fluessigen Lebensmitteln, insbesondere zur Zubereitung von Heissgetraenken, mit einer Heizeinrichtung, mittels der in einer Fluessigkeits−Speichereinrichtung gespeicherte, insbesondere zwischengespeicherte Fluessigkeit, insbesondere Wasser, auf eine vorgegebene Temperatur aufheizbar ist, und mit einer Foerdereinrichtung, mittels der eine vorgegebene Menge einer auf eine vorgegebene Temperatur aufgeheizten Fluessigkeit zu einer eine vorgegebene Menge einer aufzubruehenden und/oder zu extrahierenden Stoffcharge aufweisenden Brueh− und/oder Extraktionseinheit foerderbar ist. Erfindungsgemaess ist die Fluessigkeits−Speichereinrichtung durch wenigstens eine Fluessigkeits−Portionskapsel (6) gebildet, die in einer vorrichtungsseitigen Kapselaufnahme (5) dergestalt aufnehmbar ist, dass die Fluessigkeits−Portionskapsel (6) mit der Foerdereinrichtung (25) stroemungsverbunden ist. The device has a heating device and liquid storage device for storing particularly cached liquid and water, where the liquid and water are heated up to a predetermined temperature by the heating device. The liquid storage device is formed by a liquid portion capsule. An independent claim is included for a multi−chamber container, particularly for use in liquid food preparation device.

0) US2016101911A – ANTI–GLUG DEVICE FOR LIQUID CONTAINERS AND POUR...

110) Family number: 62109154 (US2016101911A) © PatBase

Title: ANTI–GLUG DEVICE FOR LIQUID CONTAINERS AND POUR SPOUTS

Priority: US20140061884P 20141009 US20150879442 20151009

Family:

Publication number	Publication date	Application number	Application date
US2016101911 AA	20160414	US20150879442	20151009
US9669972 BB	20170606	US20150879442	20151009

Probable Assignee: CONTAINER PACKAGING SYSTEMS INC

Assignee(s):(std)**:** CONTAINER PACKAGING SYSTEMS INC

Assignee(s): CONTAINER PACKAGING SYSTEMS LLC

Inventor(s):(std)**:** STRATTON JON

Agent(s): LEMPIA SUMMERFIELD KATZ LLC

International class(IPC 8–9)**:** B65D25/40 B65D25/42 B65D25/46 B65D47/06 B65D47/32 (Advanced/Invention); B65D25/32 B65D25/44 B65D47/04 B65D47/06 B67D3/00 (Advanced/Non–invention)

CPC: B65D47/32 B65D25/32 B65D25/40 B65D25/42 B65D25/44 B65D25/46 B65D25/465 B65D47/043 B65D47/061 B65D47/063 B67D3/00

US class: 222/478

Classification Explorer

Cited documents: US8011535 BB, US7789277 BB, US6641007 BB, US6454137 BA, US5097992 A, US4568006 A, US4550862 A, US4295583 A, US3040938 A, US2016101911 AA, US2010282783 AA,

Forward Citations: US9669972,

Abstract:
Source: US2016101911A A container assembly for holding liquids has an interior space and a pour spout including a spout portion carried by and extending from part of the container assembly. The pour spout has an outlet and defines a liquid flow path in fluid communication between the interior space and the outlet. An anti–glug device is carried by part of the container assembly. The anti–glug device has a channel only partly circumferentially surrounding the liquid flow path and has one or more air vents through a wall of the channel.

0) CH245687A – APPAREIL POUR LA PREPARATION ET LE DEBIT D'UNE ...

111) Family number: 38791526 (CH245687A) © PatBase

Title: APPAREIL POUR LA PREPARATION ET LE DEBIT D'UNE BOISSON REFRIGEREE ET IMPREGNEE DE GAZ CARBONIQUE. APPARATUS FOR THE PREPARATION AND FLOW AND DRINK REFRIGERATED IMPREGNATED CARBON DIOXIDE. (Machine translation)

Priority: 19440728

Family:

Publication number	Publication date	Application number	Application date
CH245687 A	19461130		00000000

Probable Assignee: WESTINGHOUSE ELECTRIC CORP

Assignee(s):(std)**:** WESTINGHOUSE ELECTRIC CORP

Assignee(s): WESTINGHOUSE ELECTRIC AND MANUFACTURING COMPANY ; WESTINGHOUSE ELECTRIC AND MFG CO

Inventor(s):(std)**:** MANUFACTURING COMPANY WESTINGH ; MFG CO WESTINGH

Inventor(s): WESTINGHOUSE ELECTRIC AND MFG CO ; COMPANY WESTINGHOUSE ELECTRIC AND MANUFACTURING

International class (IPC 8–9): B67D1/00 (Advanced/Invention); B67D1/00 (Core/Invention)

CPC: B67D1/0058

European class: B67D1/00H4B

Classification Explorer

Abstract:
Source: CH245687A 1. Appareil suivant la revendication, ca racterise en ce que les moyens pour faire circuler l'eau contenue dans le recipient a eau comprennent un organe d'agitation. 1. The apparatus of claim, ca terized in that the means for circulating the water in the container has water include a stirring organ.

0) US2008302353A – REMOVABLE FLAME HEAT REGULATING APPARATUS INCLU...

112) Family number: 42647179 (US2008302353A) © PatBase

Title: REMOVABLE FLAME HEAT REGULATING APPARATUS INCLUDING AN INNER HOLLOW SHELL AND AN OUTER WALL FOR A BURNER OF A GAS STOVE

Priority: US20070811521 20070611 US20080313940 20081126 US20100660234 20100222 US20120403733 20120223

Family:

Publication number	Publication date	Application number	Application date
CN101440972 A	20090527	CN200710181072	20070930
CN101440972 B	20130130	CN200710181072	20070930
CN101818896 A	20100901	CN200910127571	20090315
CN101818896 B	20140618	CN200910127571	20090315
CN102141255 A	20110803	CN201110046620	20110219
CN102141255 B	20140212	CN201110046620	20110219
CN102865609 A	20130109	CN201210345013	20070930
CN102865609 B	20141217	CN201210345013	20070930
CN201229012 Y	20090429	CN200720183522U	20070930
CN201539902 U	20100804	CN200920003268U	20070930
CN201555220 U	20100818	CN200920008464U	20090315
CN202188530 U	20120411	CN201120047260U	20110219
US2008302353 AA	20081211	US20070811521	20070611
US2009078247 AA	20090326	US20080313940	20081126
US2010154778 AA	20100624	US20100660234	20100222
US2012180779 AA	20120719	US20120403733	20120223
US7708006 BB	20100504	US20070811521	20070611
US8590526 BB	20131126	US20100660234	20100222

Probable Assignee: SUN YIHUI

Assignee(s):(std)**:** SUN YIHUI ; SUN YIZHONG ; YIZHONG SUN

Inventor(s):(std)**:** SUN YIZHONG ; YIZHONG SUN

Agent(s): YIZHONG SUN

International class (IPC 8–9)**:** F23D14/02 F23D14/46 F23D14/58 F23D14/70 F23D14/84 F24C1/16 F24C15/10 F24C15/22 F24C15/24 F24C3/00 F24C3/08 (Advanced/Invention); F24C3/14 (Advanced/Non–invention); F23D14/02 F23D14/46 F23D14/48 F24C1/00 F24C15/00 F24C15/10 F24C3/00 F24C3/08 (Core/Invention); F24C3/00 (Core/Non–invention)

CPC: A47J36/36 A47J36/34 A47J37/0652 F23H13/00 F24B1/192 F24C15/101 F24C15/36 Y02B40/166 F24C15/107

European class: F24C15/10D

US class: 126/211 126/214D 126/215 126/216 126/22 126/39.00ES 126/39.00KP 126/39.00RP 126/39E 126/39K 126/39R 126/40 126/50

Classification Explorer

Cited documents: USD220150 S1, US936482 A, US7246614 BB, US6851420 BB, US6851419 BB, US6619280, US6505621 BB, US6244263 BA, US6146132 A, US6132205 A, US6093018 A, US6078029 A, US5797386 A, US5649822 A, US5490778 A, US5323759 A, US5201306 A, US5002039 A, US4968246 A, US4909235 A, US4850335 A, US4794906 A, US4705021 A, US4620526 A, US4448186 A, US4337752 A, US3658049 A, US3625196 A, US3187742 A, US2910930 A, US2327807 A, US2166442 A, US2009078247 AA, US2008302353 AA, US2006065264 AA, US2005115556 AA, US2005109330 AA, US2004250807 AA, US2004045542 AA, US1485292 A, US1159087 A, US1156087 A, US1091649 A, US1072115 A, JP6122111, GB2434438, CN87212558, CN2872146 Y, CN2795701, CN2731314, CN2454679, CN2292237 Y, CN201555220,

CN201344574 Y, CN201203104 Y, CN1815085, CN1409047, CN1246599, CN101440972 A, CN101285598,

Forward Citations: WO15153224, WO15108425, WO15049551, WO14174228, WO13106892, WO10132889, USD791930, USD734974, USD728308, USD680371, USD667257, USD651851, USD645298, USD645297, USD645296, USD644874, USD644868, US9709281, US9593854, US9523498, US9506656, US9488383, US9194578, US9138098, US9097436, US8951041, US8590526, US7694671, US2014345591, US2014106288, US2013087137, US2011311928, US2011297137, US2011232628, US2010154778, US2010024796, GB2495723, GB2482843, CN104819490, CN103292580, CN102421338, CN102141255, CN101818896,

Abstract:
Source: US2008302353A A flame heat regulating apparatus for a cooktop of a gas stove, comprising an inner hollow shell and an outer wall which are both placed onto the stove cooktop. The shell further positioned to surround a gas burner is arcuate in shape, having a smaller sized bottom side and a larger sized top side. A plurality of air passages are through the shell, wherein the air passages are more densely distributed onto a lower part of the shell, as compared with the air passages which are less densely distributed onto an upper part of the shell. The outer wall further positioned to surround the shell is comprised of a plurality of air passages which are evenly distributed therethrough. In addition, a plurality of extensions projecting upwardly are spaced on a top side of the wall to support a cookware. Application of the flame heat regulating apparatus enables increase of heating efficiency of the flame in cooking, and prevents undesirable heating of a handle of the cookware.

0) US4967221A – PHOTOGRAPHIC PROCESSING CASSETTE

113) Family number: 4601532 (US4967221A) © PatBase

Title: Photographic processing cassette

Priority: CA19890595918 19890406 EP19880200792 19880426 US19890333020 19890404 US19900521886 19900410

Family:

Publication number	Publication date	Application number	Application date
CA1310220 A1	19921117	CA19890595918	19890406
DE68908246 D1	19930916	DE19896008246	19890403
DE68908246 T2	19940331	DE19896008246T	19890403
EP0339702 A1	19891102	EP19890200835	19890403
EP0339702 B1	19930811	EP19890200835	19890403
JP2012243 A2	19900117	JP19890104382	19890424
US4967221 A	19901030	US19890333020	19890404
US5017951 A	19910521	US19900521886	19900410

Probable Assignee: AGFA GEVAERT NV

Assignee(s):(std)**:** AGFA GEVAERT NV

Assignee(s): AGFA GEVAERT SEPTESTRAAT ; DE RYCKE GINO L ; DE PRIJCKER JOZEF P ; ZWIJSEN JAN A ; DOMEN ALBRECHT F ; AGFA GEVAERT ; AGFA GEVAERT N V ; AGFA GEVAERT N V MORTSEL BE ; AGFA GEVAERT NAAMLOZE VENNOOTSCHAP

Inventor(s):(std)**:** ARUBUREKU FURAN DOMAN ; DE PRIJCKER JOZEF P ; DE PRIJCKER JOZEF PAULINA ; DE RYCKE GINO L ; DE RYCKE GINO LUC ; DOMEN ALBRECHT F ; DOMEN ALBRECHT FRANS ; JINO RUKU DO RITSUKU ; JIYAN ARUBERU ZUBIYUSAN ; JIYOZEFU PORINA DO PURIYUKERU ; ZWIJSEN JAN A ; ZWIJSEN JAN ALBERT

Inventor(s): ZWIJSEN JAN ALBERT B 2610 WILRIJK BE ; DOMEN ALBRECHT FRANS B 2680 BORNEM BE ; DE RYCKE GINO LUC B 2510 MORTSEL BE ; DE PRIJCKER JOZEF PAULINA B 9160 HAMME BE

Agent(s): BORDEN LADNER GERVAIS LLP

Designated states: BE CH DE ES FR GB IT LI NL SE

International class (IPC 8–9): G03B17/50 G03C3/00 G03D5/00 G03D5/06 (Advanced/Invention); G03B17/48 G03C3/00 G03D5/00 (Core/Invention)

International class (IPC 1–7): G03B17/50 G03B27/52 G03C3/00 G03D5/00 G03D5/06

CPC: G03D5/067

European class: G03D5/06R

US class: 222/83 355/27 396/606 396/626

Classification Explorer

Cited documents: US4814809 A, US4814093 A, US4634252 A, US4607929 A, US4566772 A, US4334252 A, US4285581 A, US4103358 A, US2604024 A, EP0271610 A1,

Forward Citations: US6764805, US6423138, US5898450, US5875370, EP1111464, EP0764891,

Abstract:
Source: US4967221A A photographic processing cassette (35) for the processing of an exposed photographic silver halide emulsion layer element, which comprises: a developer liquid container unit including an initially empty developing tray (38) arranged for cooperation with a lick roller (39) for the application of developer liquid to the photographic element, and a separate holder (64) for a supply of developer liquid and an openable foil (44) through which a fluid connection between the holder and the tray may be established to introduce developer liquid into said tray, a rupturable draining area (75) in the developer liquid container, and liquid absorption pack (40) located to receive liquid draining from said draining area after rupture thereof.

0) US2604233A – COMBINATION TEA POT AND HOT WATER DISPENSER

114) Family number: 22145347 (US2604233A) © PatBase

Title: COMBINATION TEA POT AND HOT WATER DISPENSER

Priority: US19480044618 19480817

Family:

Publication number	Publication date	Application number	Application date
US2604233 A	19520722	US19480044618	19480817

Probable Assignee: MURPHREY DORSEY P

Assignee(s):(std)**:** MURPHREY DORSEY P

Inventor(s):(std)**:** MURPHREY DORSEY P

International class (IPC 8–9)**:** A47G19/14 (Advanced/Invention); A47G19/12 (Advanced/Non–invention); A47G19/00 (Core/Invention)

International class (IPC 1–7)**:** A47G19/14

CPC: A47G19/14 A47G2019/122

European class: A47G19/14 K47G19/12B

US class: 222/144.5 222/465.1 222/510 222/512 D7/312 D7/318

Classification Explorer

Cited documents: US538561 A, US482680 A, US244537 A, US2205147 A, US2089943 A, US1693146 A, US1043656 A, US1025653 A,

Forward Citations: USD675708, USD657844, USD657180, USD649827, US7740153, US5240145, US4703871, US4526797, US4419927, US2681745, US2008110899,

Abstract:
Source: US2604233A (Claim 1) 1. In a vess.el for containing and dispensing 4o two different liquids, a vertical hollow bod y having a tubuliir conduit portion projecting.Lrbm one side thereof at a point between the upper and lower ends of said body, a pair of laterall–.,7 spaced ports formed in the side'of said body and providing communication between said tubular conduit portion and the interior of said body, the outer side of the body within said tubular conduit portion being formed with an annular valve end of said partition being joined to the sidewall of said body at a point between said pair of ports whereby each port communicates with only one compartment, and means for rotating said disc valve to position its port out of registry with both of said pair of ports and to selectively register the valve disc port with either of the pair of ports.

0) US4911335A – PNEUMATIC ACTUATED SWITCH FOR HOT WATER DISPENS...

115) Family number: 3382823 (US4911335A) © PatBase

Title: PNEUMATIC ACTUATED SWITCH FOR HOT WATER DISPENSER

Priority: US19870115900 19871102 US19880210383 19880623

Family:

Publication number	Publication date	Application number	Application date
US4911335 A	19900327	US19880210383	19880623

Probable Assignee: AM HOLDINGS CORP

Assignee(s):(std)**:** WHITE CONSOLIDATED IND INC

Assignee(s): WHITE CONSOLIDATED IND ; WHITE CONSOLIDATED INDUSTRIES INC ; CHEMICAL BANK COLLATERAL AGENT AS ; WHITE CONSOLIDATED IND INC A CORP OF OH ; AM HOLDINGS CORP ; ANAHEIM MFG ; ANAHEIM MFG CO ; CHEMICAL BANK AS COLLATERAL AGENT

Inventor(s):(std)**:** STOFLE KENNETH F ; SHIELDS RICHARD ; MILICH ROBERT ; KOVACS WALTER ; BLOWERS WILLIAM L

International class (IPC 8–9)**:** E03C1/10 F24D19/10 (Advanced/Invention); E03C1/10 F24D19/00 (Core/Invention)

International class (IPC 1–7)**:** B67D5/06

CPC: E03C1/102 F24D19/1051 Y10T137/3185

European class: E03C1/10 E03C1/10A F24D19/10C3

US class: 137/216 222/146.2 222/192 251/57

Classification Explorer

Cited documents: US4771485 A, US4635673 A, US4454891 A, US4399832 A, US3967638 A, US3638680 A, US3620241 A,

Forward Citations: US9591950, US9518382, US9226624, US8899259, US8707987, US8407828, US7979929, US7895916, US7698755, US7269864, US7174581, US7032618, US6748966, US2015121616, US2013098940, US2012227841, US2009188343, US2007044232, US2006200904, US2006080773, US2005022299, US2004098797, CN104048075, AU2013254769,

Abstract:
Source: US4911335A A combined air gap and dispensing device is adapted to be mounted on a sink, and comprises an internal air gap between inlet and outlet waste tubes. A liquid carrying pipe, such as a hot water pipe, also extends through the device to a faucet for being dispensed. A pair of fiber optic cables have exposed ends at the upper end of the device, and are coupled to a control system for valving liquid to the dispensing pipe. The control circuit may include a light source directed to one of the fiber optic cables, a photo sensor connected to the fiber optic cable to receive reflected light, and amplifying and demodulating circuitry, as well as a logic circuit responsive to determined conditions at the upper ends of the fiber optic cables for controlling the flow of liquid to the dispensing pipe. A pneumatic tube and pneumatic actuator may be provided instead of the optic cables and associated optic devices.

0) US3015415A – MIXING AND DISPENSING APPARATUS

116) Family number: 22744034 (US3015415A) © PatBase

Title: MIXING AND DISPENSING APPARATUS

Priority: US19600010950 19600225

Family:

Publication number	Publication date	Application number	Application date
US3015415 A	19620102	US19600010950	19600225

Probable Assignee: MOORE BENJAMIN AND CO

Assignee(s):(std)**:** BENJAMIN MOORE AND CO ; MARIEN METAL PRODUCTS CO ; MOORE BENJAMIN AND CO

Inventor(s):(std)**:** GABRIEL MALKIN ; LYLE MARSH

Inventor(s): MALKIN GABRIEL ; MARSH LYLE

International class (IPC 8–9): B01F13/10 G05D11/00 (Advanced/Invention); B01F13/00 G05D11/00 (Core/Invention)

International class (IPC 1–7): G05D11/02

CPC: B01F13/1058 G05D11/001

European class: B01F13/10G3 G05D11/00B

US class: 222/135 222/14 222/144 222/235 222/333 222/383.1

Classification Explorer

Cited documents: US2923438 A, US2787402 A, US2374430 A, US2326359 A, AU100751,

Forward Citations: WO8705697, WO05082510, WO05082510, WO05082510, USD440255, US9656226, US9409663, US9289734, US7971750, US7673775, US7654416, US7597217, US7185789, US7156265, US7121430, US7014078, US6945690, US6945689, US6138869, US5782380, US5762098, US5605252, US5474211, US5407100, US5356041, US5310257, US5305917, US5129551, US5055408, US4967938, US4844868, US4763494, US4503721, US4096972, US3727799, US3354830, US3178058, US3125252, US3125251, US3122272, US2015028060, US2014352843, US2014299626, US2012018034, US2010116845, US2009308493, US2009115087, US2006283889, US2006278663, US2006261090, US2006261089, US2006231578, US2006191956, US2006169718, US2005284886, US2005194403, US2004240314, US2004208083, EP2014353, EP1735083, EP1563896, EP1417035, AU2005216828,

Abstract:
Source: US3015415A (Claim 1) 1. A dispensing device comprising a base; a turntable rotatably mounted thereon; a plurality of liquid supply means carried on the turntable; said turntable being rotatable to position a selected one of the supply means in dispensing relationship to a container; each of said liquid supply means including a pump for dispensing liquid therefrom; said pump comprising a metering chamber having an inlet and an outlet; said inlet communicating with the liquid supply; check valve means releasably closing said outlet; a plunger opening in said metering chamber; a plunger slidably received in the plunger opening; wall means extending across the metering chamber and separating the inlet opening from both the outlet opening and the plunger opening; an opening in said wail means for the passage of fluid therethrough; a valve ele– ment carried by the plunger operable on one stroke to close the wall opening and trap a metered quantity of liquid in the metering chamber and to subsequently displace and expel a predetermined quantity of liquid through the outlet; a single prime mover carried by the base to selectively actuate the pumps; said prime mover having a rotatable shaft carrying a cam mechanism; said cam mechanism being positioned in operative relationship to drive a pump plunger when said plunger's associated pump and liquid supply means are positioned in dispensing relationship to a container; and electro–mechanical con– trol means for selectively predetermining the number of times the pump is actuated to vary the total quantity of liquid dispensed.

0) US6336600B – SELF–PROPELLED MATERIAL SPREADER

117) Family number: 16039479 (US6336600B) © PatBase

Title: Self–propelled material spreader

Priority: US19990164466P 19991110 US20000710315 20001110

Family:

Publication number	Publication date	Application number	Application date
US6336600 BA	20020108	US20000710315	20001110

Probable Assignee: JESSEN THOMAS F

Assignee(s):(std)**:** JESSEN THOMAS F

Inventor(s):(std)**:** JESSEN THOMAS F

International class (IPC 8–9)**:** A01C7/06 (Advanced/Invention); A01C7/00 (Core/Invention)

International class (IPC 1–7)**:** A01C15/00

CPC: A01C7/06

European class: A01C7/06

US class: 239/155 239/170 239/328 239/562 239/650 239/662 239/663 239/67 239/681

Classification Explorer

Cited documents: US5860604 A, US5860603 A, US5533676 A, US5501403 A, US5485962 A, US5333795 A, US4955538 A, US4926768 A, US4901655 A, US4798325 A, US4511090 A, US4483483 A, US4352463 A, US4052003 A, US3877645 A,

Forward Citations: WO13153295, USD760809, USD673587, USD673586, USD662522, US9623903, US9549499, US9518358, US9493916, US8403095, US8028928, US7493977, US6889784, US2012211512, US2010133365, US2009151243, US2007084946, US2004144586, CN104429235,

Abstract:
Source: US6336600B A self–propelled lawn and garden spreader that can be used to apply granular and/or liquid materials to both wide and narrow areas at a constant rate of application per unit area at different ground speeds, such as at a relatively high speed when the operator of the spreader is riding on the spreader, and at a relatively low speed when the operator is walking behind the spreader. The spreader generally includes a frame on which a suitable motor is mounted, wheels mounted to the frame with at least one of the wheels being driven by the motor, and a unit for controlling the ground speed of the spreader, including at least two forward speeds. The spreader further includes a material storage compartment mounted to the frame for containing a material. The material storage compartment has an outlet through which the material exits the material storage compartment and is delivered to a dispenser unit that broadcasts the material outwardly, including away from the sides of the frame. Finally, the spreader includes a device for controlling material flow from the material storage compartment to the dispenser unit. The material flow control device provides at least two flow rates of the material to the dispenser unit, in which the flow rates are synchronized with the at least two forward speeds of the spreader so that the spreader dispenses the material to achieve an approximately constant application rate per unit area at the at least two forward speeds.

0) US2013092105A – FLUE HAVING AN ADJUSTABLE FLUE GAS FLOW UNIT

118) Family number: 49579244 (US2013092105A) © PatBase

Title: FLUE HAVING AN ADJUSTABLE FLUE GAS FLOW UNIT

Priority: DE201010010832 20100310 DE201010023381 20100610 WO2011DE001141 20110531 US20120703167 20121226 US20150853428 20150914 EP20110743419 20110531 WO2011DE01144 20110531 WO2011DE001144 20110531

Family:

Publication number	Publication date	Application number	Application date
CN102947648 A	20130227	CN201180026252	20110531
CN102947648 B	20150923	CN201180026252	20110531
DE102010023381 A1	20110915	DE201010023381	20100610
DE102010023381 B4	20141120	DE201010023381	20100610
EP2580525 A2	20130417	EP20110743419	20110531
EP2580525 B1	20160831	EP20110743419	20110531
HR20161192 T1	20161104	HR20160001192	20160919
US2013092105 AA	20130418	US20110703167	20110531
US2016018130 AA	20160121	US20150853428	20150914
WO11153992 A2	20111215	WO2011DE001141	20110531
WO11153992 A3	20120816	WO2011DE001141	20110531
WO11153992 A4	20121018	WO2011DE001141	20110531

Probable Assignee: SCHMITT KLAUS

Assignee(s):(std)**:** SCHMITT KLAUS

Assignee(s): SCHMITT

Inventor(s):(std)**:** SCHMITT KLAUS

Inventor(s): ERFINDER WIRD SPAETER GENANNT WERDEN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): F22B37/06 F23J15/06 F23L11/00 F23L17/00 F23M9/00 F24B9/04 F24H1/16 F24H9/00 F28D1/02 (Advanced/Invention)

CPC: F24H1/165 F23L11/00 F23J15/06 F23M9/003 F23N2033/04 F23N2033/10 F23N2035/08 F24B9/04 F24D11/003 F24D11/004 F24D12/02 F24D17/0068 F24H9/0031 Y02B10/20 Y02B10/70 Y02E20/363 Y02B30/14 F23L17/005

European class: F23J15/06 F23M9/00B F24B9/04 R23N33/04 R23N33/10 R23N35/08

US class: 110/162 122/18.4 122/20B 431/20

Classification Explorer

Cited documents: US4593753 A, US4406402 A, US4399940 A, US4377153 A, US4344479 A, US4327671 A, US4222349 A, US4175518 A, US3793992 A, US1120550 A, JPS60191145, JP60191145 A2, FR732557 A, DE9216274 U, DE921627 A, DE2951487 A1, DE2938324 A1, DE2931232 A1, DE1899898 U, DE189989 A, DE10208089 A1,

DE102006020465 A1

CN201255418 Y,

Forward Citations: LT6004, EP2685173,

Abstract:
Source: US2013092105A Known chimneys or chimney furnaces use flue gas flow units for heating buildings, said devices having displaceable or fixed obstacles for deflecting flue gas for generating flue gas turbulence. The

invention relates to a device and method for transferring heat through a flue gas discharge pipe (28) in which (44, 45) pivotal guide plates (37) are inserted in the longitudinal direction of the pipe run, at which the flue gas flow (22) is more or less deflected in a sinuous line as function of the pivot angle (24) of the guide plates (37) that can be adjusted during furnace operation. A fan (19) can increase the flue gas flow (22). An optional furnace heat exchanger (29) generates additional hot water as needed. The controller (5) activates the actuators for the fan (19), guide plate pivot angle setting (24), and at least one circulating pump (10 or 11) as a function of the prescribed controlled variables such as flue gas temperature, reservoir temperature, heat exchanger performance, or flue gas flow.

0) US5130020A – PORTABLE WATER FILTER UNIT HAVING STORAGE SPACE...

119) Family number: 5081812 (US5130020A) © PatBase

Title: PORTABLE WATER FILTER UNIT HAVING STORAGE SPACE FOR FLEXIBLE TUBES

Priority: US19900574755 19900830

Family:

Publication number	Publication date	Application number	Application date
US5130020 A	19920714	US19900574755	19900830

Probable Assignee: MECKSTROTH ALAN F

Assignee(s):(std)**:** MECKSTROTH ALAN F

Inventor(s):(std)**:** MECKSTROTH ALAN F

International class (IPC 8–9)**:** C02F1/00 (Advanced/Invention); C02F1/00 (Core/Invention)

International class (IPC 1–7)**:** B01D27/02 B01D27/08

CPC: Y10S220/07 C02F1/003 C02F2201/006

European class: C02F1/00D4 M02F201/00D8

US class: 206/216 206/225 206/226 210/264 210/282 210/288 210/416.3 210/440 210/443 210/461 210/497.01 210/497.1 220/DIG.7 222/189 222/189.06 222/530 222/534

Classification Explorer

Cited documents: US5035798 A, US5032268 A, US4556484 A, US4368123 A, US4287057 A, US4271015 A, US4218317 A, US4178249 A, US4049550 A, US4013562 A, US3342335 A, US2566371 A, GB563187 A,

Forward Citations: WO07109775, WO07109775, USD533622, US9643833, US8562831, US8403150, US8313657, US7402244, US7326334, US6260739, US6053360, US6001249, US5853572, US5709795, US5698091, US5536405, US5536395, US5520807, US5500122, US5362385, US5344558, US2014217056, US2009020468, US2008009835, US2007284295, US2007221561, US2007199886, US2007199880, US2007199879, US2006249442, KR101188573, AU2004286774,

Abstract:
Source: US5130020A A tall open top plastic container has a closed bottom portion sealed to the lower end portion of a tubular water filter member having an upper end portion sealed to a removable plastic top wall within the container and sealed to the container. Flexible water inlet and outlet tubes have inner end portions connected through the top wall to an annular inlet chamber surrounding the filter member and a center outlet chamber within the filter member. A flexible vinyl coupler body receives the outer end portion of the inlet tube and forms a friction connection with a faucet aerator. In one embodiment, the upper portion of the container defines a cavity above the removable top wall, and the flexible tubes are coiled within the cavity where they are retained along with the coupler body during storage by a removable snap–on cap. The cavity may also be formed by an annular wall molded integrally with the removable top wall and covered by a removable cap.

0) US5824243A – WATER OZONATING SYSTEM

120) Family number: 11196477 (US5824243A) © PatBase

Title: WATER OZONATING SYSTEM

Priority: US19970798695 19970212

Family:

Publication number	Publication date	Application number	Application date
US5824243 A	19981020	US19970798695	19970212

Probable Assignee: CONTRERAS EDWARD M

Assignee(s):(std)**:** CONTRERAS EDWARD M

Inventor(s):(std)**:** CONTRERAS EDWARD M

International class (IPC 8–9)**:** B01F5/10 C02F1/78 (Advanced/Invention); B01F3/04 B01F5/04 (Advanced/Non–invention); B01F5/00 C02F1/78 (Core/Invention); B01F3/04 B01F5/04 (Core/Non–invention)

International class (IPC 1–7)**:** B01F3/04

CPC: Y10S261/42 Y10S261/75 B01F5/106 B01F3/04099 B01F5/0413 C02F1/78 C02F2201/782

European class: B01F5/10F C02F1/78 L01F3/04C L01F5/04C12 M02F201/782

US class: 210/192 210/760 261/36.1 261/361 261/DIG.42 261/DIG.75

Classification Explorer

Cited documents: US5607593 A, US5174905 A, US5075016 A, US4555335 A, US4507253 A, US4298467 A, US3823728 A, US3775314 A, US2970821 A, US2660559 A, GB1046363 A,

Forward Citations: WO9935096, WO13044926, WO13007979, WO0248054, WO0178793, WO0026405, US9522348, US9423068, US9174845, US9068149, US8870636, US8764989, US8735337, US8241586, US8075705, US8071526, US7959872, US7891642, US7767168, US7708958, US7493906, US7493782, US7203977, US7146659, US7022225, US6971125, US6964739, US6919032, US6824695, US6773610, US6699441, US6599432, US6517729, US6506428, US6506309, US6500332, US6482370, US6464868, US6428710, US6372148, US6331279, US6264174, US6231769, US6228259, US6190549, US6186170, US6129850, US6106731, US6017447, US6013189, US5989439, US2012097619, US2010252415, US2010176037, US2010133706, US2010021598, US2009233839, US2009120473, US2009008806, US2008237368, US2008227680, US2006270888, US2006163174, US2005263015, US2005251925, US2005244778, US2005236338, US2005163678, US2005081287, US2005017380, US2004217068, US2004168989, US2004154998, US2004020865, US2004016706, US2002134736, KR100699175, GB2348639, GB2348639, EP3003534,

Abstract:
Source: US5824243A The Water Ozonating System can take several forms. Generically, the system incorporates at least the following: a water inlet means, a water storage tank, a device for introducing ozone into the water in the storage tank, and a device for dispensing water from the storage tank. A unique and particularly advantageous feature of the Water Ozonating System is that the ozonated water is kept entirely within a closed system until it is dispensed to the user. This maintains ozone in the water and in its active state (i.e., with its decontaminating and sterilizing effect). The system provides storage tank of ozone within the effluent water. This invention has many applications but not limited to the following: residential and office water purification; supermarket produce, vegetable, meat, poultry and fish, rinsing; dental operatory procedures; laboratories and commercial rinse water functions.

0) US3206031A – LIQUID DISPENSER FOR THE PURIFICATION AND FILTR...

121) Family number: 29942868 (US3206031A) © PatBase

Title: LIQUID DISPENSER FOR THE PURIFICATION AND FILTRATION OF WATER

Priority: US19620177051 19620302

Family:

Publication number	Publication date	Application number	Application date
US3206031 A	19650914	US19620177051	19620302

Probable Assignee: MET PRO INC

Assignee(s):(std)**:** MET PRO INC

Inventor(s):(std)**:** MESSA MATTHEW A

International class (IPC 8–9)**:** C02F1/00 (Advanced/Invention); C02F1/00 (Core/Invention)

CPC: C02F1/00

European class: 13B19 C02F1/00

US class: 210/172.2 210/307 210/445 210/460 210/479 210/482 210/484

Classification Explorer

Cited documents: US970504 A, US880685 A, US794107 A, US2931507 A, US292912 A, US2808937 A, US2665009 A, US1661290 A, US1110852 A,

Forward Citations: US8480893, US5800707, US4957214, US4790447, US4721624, US3651947, US2007023337, US2005139541, US2005133428,

Abstract:
Source: US3206031A (Claim 1) 1. A liquid dispenser comprising a container having a bottom wall, a selectively operable valve means coupled to said container adjacent said bottom wall, a flat hollow 2g filter unit in said container on said bottom wall, said filter unit including upper and lower chambers, at least a portion of the wall of said upper chamber having holes extending therethrough, a removable porous receptacle within said upper chamber, said receptacle completely filling 30 said upper chamber, filter material housed within said receptacle to completely fill said receptacle and upper chamber, means for retaining said receptacle in said upper chamber to thereby separate said chambers, the lower chamber providing a reservoir with a flat bottom wall for 35 accumulation of sediment not filtered by the filter material within said receptacle, said lower chamber also including an outlet through a side wall thereof, said outlet being above said flat bottom wall of said lower chamber, and a conduit directly connecting said outlet of said lower 40 chamber to an inlet port on said valve means.

0) NZ525841A – ENCLOSABLE DRINKING FOUNTAIN

122) Family number: 30899295 (NZ525841A) © PatBase

Title: Enclosable drinking fountain

Priority: NZ20030525841 20030512

Family:

Publication number	Publication date	Application number	Application date
AU2004201980 AA	20041202	AU20040201980	20040512
NZ525841 A	20040827	NZ20030525841	20030512

Probable Assignee: MAIHI NUPERE

Assignee(s):(std)**:** MAIHI NUPERE ; NUPERE MAIHI

Inventor(s):(std)**:** MAIHI NUPERE

Inventor(s): NUPERE MAIHI

International class (IPC 8–9)**:** E03B9/20 (Advanced/Invention); E03B9/00 (Core/Invention)

International class (IPC 1–7)**:** E03B9/20

Classification Explorer

Forward Citations: AU2008101137,

Abstract:
Source: NZ525841A A type of water dispenser or fountain, particularly suitable for schools, includes a lockable cover (103) so that the drinking area is usually covered and a more sanitary supply of better quality water (optionally filtered or optionally cooled) is offered. Full enclosure at night helps with protection against the effects of frost on water–filled pipes. Also, the equipment and the water source (which may be limited or expensive in some areas) can be protected against vandalism. A version suitable for use at petrol stations or the like includes refrigeration, filtration, and a coin–operated meter so that motorists for example can replenish their water bottles with cool, filtered water.

0) US3069994A – FOOD STEAMER

123) Family number: 21967618 (US3069994A) © PatBase

Title:	FOOD STEAMER
Priority:	US19590830383 19590729

Family:

Publication number	Publication date	Application number	Application date
US3069994 A	19621225	US19590830383	19590729

Probable Assignee:	LEWIS ALBERT M
Assignee(s):(std):	LEWIS ALBERT M
Inventor(s):(std):	LEWIS ALBERT M
International class (IPC 8–9):	A47J27/04 (Advanced/Invention); A47J27/04 (Core/Invention)
International class (IPC 1–7):	A47J39/00
CPC:	A47J27/04
European class:	30I2 A47J27/04
US class:	126/369 417/568 99/352 99/473
Classification Explorer	
Cited documents:	US2973705 A, US2786932 A, US2674935 A, US2344705 A, US2334222 A, US2181434 A,
Forward Citations:	WO17062287, WO06068865, WO06068865, WO06068863, WO06068863, US4701340, US4700685, US4495932, US3500818, US3495071, US3320945, US3291030, US3236172, US3191518, FR2396927,

Abstract:
Source: US3069994A (Claim 1) 1. In a device of the class described, a cabinet having a container for the reception of articles; a cover swingably mounted on said cabinet for covering said container; a steam generating chamber in said cover; means in said cover for receiving steam generated in said chamber and delivering it into said container; heating means in said cover for heating said steam generating chamber; a water Storage tank mounted in said cabinet below said container; a manually operable pump mounted in said cabinet below 5 said container and connected between said tank and said steam generating chamber for pumping water from said tank to said chamber, said pump including means for manual actuation of the pump through a suction action to draw a quantity of water from the tank, and spring means 10 for actuating the pump through a discharge action after said suction action to pump the quantity of water to said chamber; interlocking means between said cover and said pump for locking the pump in an inoperative position when the cover is in the open position; a dispersion bar 15 in said chamber; said means for receiving steam and delivering it into said container including a rectangular piate having a fiat outer face disposed over said container, a longitudinally extended raised portion on the upper side of said piate, said chamber being formed in said 20 raised portion, a plurality of transversely disposed, longitudinally spaced apart steam delivery passages formed in said piate and communicating with said chamber, each of said steam delivery passages being provided with a plurality of downwardly directed discharge ports for 25 delivering steam to said container; said chamber being cylindrical in shape; said dispersion bar being cylindrical in shape and disposed in said chamber, and being provided with a fiat surface on the upper side of each end thereof; and, said pump connected to said chamber to 30 deliver water into the upper side thereof

0) US3455511A – AIRCRAFT MOUNTED SPRAYING SYSTEM

124) Family number: 873946 (US3455511A) © PatBase

Title: AIRCRAFT MOUNTED SPRAYING SYSTEM

Priority: US19670657591 19670801

Family:

Publication number	Publication date	Application number	Application date
US3455511 A	19690715	US19670657591	19670801

Probable Assignee: ALEJANDRO FEDORENKO

Assignee(s):(std)**:** ALEJANDRO FEDORENKO

Inventor(s):(std)**:** FEDORENKO ALEJANDRO

Inventor(s): ALEJANDRO FEDORENKO

International class (IPC 8–9)**:** B64D1/16 (Advanced/Invention)

International class (IPC 1–7)**:** B05B17/02 B05B5/02 B64D1/18

CPC: B64D1/16

European class: B64D1/16

US class: 239/171 239/3 239/696

Classification Explorer

Cited documents: US3339840 A, US3061247 A, US2680648 A, US2504580 A,

Forward Citations: US9426973, US7735752, US5279481, US4175701,

Abstract:
Source: US3455511A ABSTRACT OF THE DISCLOSURE An aircraft mounted chemical mixing and control sys–10 tem having two selectively operable spray discharge manifolds with first and second pump systems, valving, cooling and filtering elements for enabling multiple modes of operation.

0) US5842238A – MOVABLE WASHSTAND AND ASSOCIATED FOLDING CART

125) Family number: 10316198 (US5842238A) © PatBase

Title: Movable washstand and associated folding cart

Priority: US19960634945 19960419 WO1997US06356 19970417

Family:

Publication number	Publication date	Application number	Application date
AU199726727 A1	19971112	AU19970026727	19970417
EP0957705 A1	19991124	EP19970918679	19970417
JP2000508936 T2	20000718	JP19970538169T	19970417
US5842238 A	19981201	US19960634945	19960419
WO9739647 A1	19971030	WO1997US06356	19970417

Probable Assignee: GARNER JIM

Assignee(s):(std)**:** GARNER JIM ; GARNER JIM D ; HERRICK MARK ; HERRICK MARK W ; MARK HERRICK ; JIM GARNER

Inventor(s):(std)**:** GARNER JIM D ; HERRICK MARK ; HERRICK MARK W

Inventor(s): MARK HERRICK

Designated states: AM AT AU AZ BE BY CA CH CN DE DK ES FI FR GB GR IE IT JP KG KZ LU MC MD MX NL NO NZ PT RU SE SG TJ TM

International class (IPC 8–9)**:** A45D19/04 A47K1/02 A61G7/00 (Advanced/Invention); A45D19/00 A47K1/02 A61G7/00 (Core/Invention)

International class (IPC 1–7)**:** A45D19/04

CPC: A45D19/04 A47K1/02 A61G7/0005

European class: A45D19/04 A47K1/02 A61G7/00B

US class: 4/516 4/518

Locarno class: 45/16

Classification Explorer

Cited documents: US5528776 A, US5381562 A, US5335384 A, US5305481 A, US5245713 A, US4998302 A, US4834121 A, US4660233 A, US4512043 A, US4081867 A, US3731325 A, US3694826 A, US3013280 A, US2850742 A, US2760207 A,

Forward Citations: WO07086058, US9642455, US9259371, US8141184, US8100061, US8082857, US7735266, US7581708, US7073765, US6728977, US6609257, US2012151677, US2010314408, US2010101015, US2006282944, US2006226333, US2004164220, KR101362623, JP2016034465, FR2996995, FR2979203, FR2868260, DE19750478,

Abstract:
Source: US5842238A A movable washstand comprises a device for supplying water having a spray nozzle, a head rest, a catch basin, drain and bladder for temporarily holding discharge water and effluent and an electrical outlet, all mounted on a C–shaped frame with wheels that allow easy portability. A dual line extension hose having an inlet line, outlet line and quick connect capabilities allow the unit to be connected to a remote sink. An on–board extension cord allows the unit to be plugged into a remote electrical supply. The base of the cart slides under a bed and out the way while the catch basin is positioned under a patient's head. The height of the catch basin is adjustable to accommodate different bed configurations. The upper and lower members of the cart are hinged so that they fold over onto themselves transforming the unit into an extremely portable unit. A self–supporting movable wash pan is also disclosed that minimizes displacement of a patient.

0) US6814261B – MOUTHWASH DISPENSER

126) Family number: 31307781 (US6814261B) © PatBase

Title: Mouthwash dispenser

Priority: US20020321740 20021217

Family:

Publication number	Publication date	Application number	Application date
US6814261 BA	20041109	US20020321740	20021217

Probable Assignee: GEBRAYEL NEHME

Assignee(s): GEBRAYEL NEHME

Inventor(s):(std)**:** GEBRAYEL NEHME

International class (IPC 8–9)**:** A47K5/12 A61C17/02 B67D7/76 (Advanced/Invention); A47K5/00 A61C17/00 B67D7/76 (Core/Invention)

International class (IPC 1–7)**:** B67D5/58

CPC: A47K5/1217 A61C17/0205

European class: A47K5/12E A61C17/02C

US class: 222/156 222/181.3 222/192 222/504

Classification Explorer

Cited documents: US6244470 BA, US6036056 A, US5713492 A, US5275305 A, US5255822 A, US5215193 A, US4946070 A, US4257538 A, US3987932 A, US3896977 A, US3604592 A, US3434629 A, US2609122 A, US1384687 A,

Forward Citations: WO11135338, US8728446, US8714413, US8485396, US2015083754, US2015060494, US2014001211, US2011220683, US2011180445, US2009297569, US2007267445,

Abstract:
Source: US6814261B A mouthwash dispenser comprising a housing having an inner cavity able to retain a liquid therein and an opening providing access to said inner cavity, a lid for selectively sealing said opening and thereby enclosing the liquid in said inner cavity of said housing, control means extending from said housing for selectively dispensing said liquid from said inner cavity, and a spout connected to said inner cavity for dispensing liquid from said inner cavity, wherein said control means is moveable between a first position preventing a flow of liquid from said inner cavity to said spout and a second position for allowing a flow of liquid from said inner cavity to said spout.

127) Family number: 11013212 (US5178734A) © PatBase

Title: WATER DISTILLING APPARATUS WITH VERTICALLY STACKED COMPONENTS

Priority: US19900481024 19900216

Family:

Publication number	Publication date	Application number	Application date
US5178734 A	19930112	US19900481024	19900216

Probable Assignee: INT WATER TECHNOLOGIES INC

Assignee(s):(std)**:** INT WATER TECHNOLOGIES INC

Assignee(s): INTERNATIONAL WATER TECHNOLOGIES INC ; ERWIN GARY

Inventor(s):(std)**:** PALMER DAVID G

International class (IPC 8–9)**:** B01D3/02 B01D3/42 B01D5/00 C02F1/04 (Advanced/Invention); B01D3/00 B01D3/42 B01D5/00 C02F1/04 (Core/Invention)

International class (IPC 1–7)**:** B01D3/02 B01D3/42

CPC: Y10S159/13 Y10S159/40 B01D5/0006 B01D3/02 B01D3/42 C02F1/04

European class: B01D3/02 B01D3/42 B01D5/00B10 C02F1/04

US class: 159/44 159/DIG.13 159/DIG.40 202/160 202/176 202/181 202/185.3 202/185.5 202/188 202/202 202/206 203/1 203/10 203/2 203/7 210/259 759/44 759/DIG.13 759/DIG.4

Classification Explorer

Cited documents: WO8809308 A1, WO8707847 A1, US787093 A, US725182 A, US557102 A, US552688 A, US497742 A, US4943353 A, US4795532 A, US4612090 A, US4018656 A, US3860494 A, US3725268 A, US364199 A, US3607666 A, US3351536 A, US2289956 A, US1361910 A, GB157149 A,

Forward Citations: WO9628231, WO9625212, WO11130522, WO03037799, WO03037799, USD770009, US9580296, US8888963, US8511105, US7413634, US7150829, US6949192, US6582563, US6290819, US5951825, US5932073, US5810977, US5762762, US5662779, US5609732, US5466344, US5435891, US5290402, US2016115011, US2013206574, US2011023489, US2010101929, US2008110932, US2005051494, US2004050761, US2002195467, US2002148719, GB2301295, GB2301295, EP1432647, CN103706142,

Abstract:
Source: US5178734A A water distilling apparatus (10) which includes vertically stacked components, i.e. an uppermost water storage tank (12), an intermediate boiling tank (14) and a lowermost condensing unit (16). Stacking of the distiller components creates a space efficient design with ready access to the respective components. The preferred apparatus (10) is also equipped with a small, dedicated water conditioning unit (20) situated between the main solenoid water valve (94) and the inlet of the boiling tank (14).

0) US5369910A – CHRISTMAS TREE STAND WITH REMOTE WATERING SYSTE...

128) Family number: 11734491 (US5369910A) © PatBase

Title: Christmas tree stand with remote watering system

Priority: US19930116739 19930907

Family:

Publication number	Publication date	Application number	Application date
US5369910 A	19941206	US19930116739	19930907

Probable Assignee: COPENHAVER MICHAEL J

Assignee(s):(std)**:** COPENHAVER MICHAEL J

Inventor(s):(std)**:** COPENHAVER MICHAEL J

International class (IPC 8–9)**:** A47G33/12 (Advanced/Invention); A47G33/00 (Core/Invention)

International class (IPC 1–7)**:** A47G7/02

CPC: A47G33/12 A47G2033/1286 A47G2033/1293

European class: A47G33/12 K47G33/12W K47G33/12W2

US class: 248/188.4 248/528 47/40.5 47/405

Classification Explorer

Cited documents: US5201140 A, US5157868 A, US5076009 A, US4930252 A, US4593874 A, US4368869 A, US3697026 A, US3469342 A, US2531690 A, US2500215 A, US1273639 A,

Forward Citations: WO03059132, WO03056983, USD676353, USD640905, USD575188, USD555991, USD555990, USD555441, USD553455, USD465388, USD451839, USD442883, US9265374, US7930854, US7681354, US6497071, US6405480, US6367195, US6327816, US6260303, US6167651, US6094859, US6019341, US5966864, US5937574, US5857484, US5799437, US5707037, US5615516, US2011214345, US2006065318, US2005204617,

Abstract:
Source: US5369910A A tree stand for supporting a Christmas tree in an upright position has a remote watering box/water storage tank disguised to resemble a wrapped gift/Christmas present under the tree. Water can run through tubing positioned under the tree skirt from the bottom of the remote watering box to the bottom of the watertight tree stand. When a ball valve (or similar valve means) in the water line is opened, the level in the stand will rise to the level of the water in the tank. Water can be easily added to the watering box/storage tank to maintain it at the desired level without a person having to crawl under the tree. The tree stand has four legs which can fold up to give the stand a compact shape which can nest within the remote watering box reducing the amount of storage space required when the stand is not being used.

129) Family number: 22414587 (US2621571A) © PatBase

Title: TEMPERATURE–CONTROLLED FILM PROCESSING APPARATUS

Priority: US19480052184 19481001

Family:

Publication number	Publication date	Application number	Application date
US2621571 A	19521216	US19480052184	19481001

Probable Assignee: CYRUS KATZEN

Assignee(s):(std)**:** CYRUS KATZEN ; GAMES THOMAS R

Inventor(s):(std)**:** CYRUS KATZEN ; GAMES THOMAS R

Inventor(s): KATZEN CYRUS

International class (IPC 8–9)**:** G03D13/00 G03D13/02 G03D3/06 (Advanced/Invention); G03D13/00 G03D13/02 G03D3/06 (Core/Invention)

International class (IPC 1–7)**:** G03D3/02

CPC: G03D3/06 G03D13/003 G03D13/006 G03D13/02

European class: G03D13/00F G03D13/00H G03D13/02 G03D3/06

US class: 134/113 134/57R 134/58R 396/575 396/625

Classification Explorer

Cited documents: US665937 A, US2491620 A, US2453900 A, US2446668 A, US2440314 A, US2410873 A, US2400675 A, US2354225 A, US2327733 A, US2297906 A, US2226438 A, US2194345 A, US2162016 A, US2161604 A, US1991249 A, US1958791 A, US1943389 A, US1867190 A, US1772834 A, US1254300 A, FR711776 A,

Forward Citations: US3922701, US3575101, US3559553, US3349686, US3000288, US2989911, US2957401, US2829576, US2800845, US2764074,

Abstract:
Source: US2621571A (Claim 1) 1. In photographi–c processing apparatus of the class – disclosed, a treatment tank, means for supporting films or plates therein, means for periodically conveying treat'_ng fluids into and out of said tank, and means for nioving said supporting means into and out of said fluids i–Ti timed relation to the operation of said conveying means.

0) US2811258A – DOMESTIC WATER–TREATMENT APPARATUS

130) Family number: 22813319 (US2811258A) © PatBase

Title: DOMESTIC WATER–TREATMENT APPARATUS

Priority: US19540422811 19540413 US19560602481 19560723

Family:

Publication number	Publication date	Application number	Application date
US2811258 A	19571029	US19540422811	19540413
US2872415 A	19590203	US19560602481	19560723

Probable Assignee: E C SCHLEYER PUMP COMPANY INC

Assignee(s):(std)**:** E C SCHLEYER PUMP CO INC ; E C SCHLEYER PUMP COMPANY INC

Inventor(s):(std)**:** HENRICKS JACK L ; ROY BAXTER ROBERT ; VICTOR SCHLEYER

Inventor(s): BAXTER ROBERT ROY ; SCHLEYER VICTOR

International class (IPC 8–9): C02F1/64 (Advanced/Invention); C02F1/62 (Core/Invention)

International class (IPC 1–7): C02B1/28 C02B1/34 C02C5/04

CPC: C02F1/645

European class: C02F1/64C

US class: 210/128 210/205 210/218 210/257.1 210/750 210/758 261/27 261/89

Classification Explorer

Cited documents: US767195 A, US542755 A, US2632733 A, US2591134 A, US2590431 A, US2543813 A, US2239612 A, US2237882 A, US2237711 A, US1318774 A, GB191319596 A, DE584591 A,

Forward Citations: WO8503066, USRE35074, USD501912, US8119012, US7927488, US7922008, US7850859, US7749394, US7740766, US7740765, US7615152, US7300569, US6325943, US6103108, US5919373, US5766457, US5744040, US5685976, US5660721, US5618417, US5439618, US5190665, US5061458, US5015370, US4897203, US4897202, US4892664, US4663089, US4652382, US4608163, US4582610, US4526692, US4412924, US4309285, US3823728, US3807712, US3328009, US3288292, US3151064, US3102799, US3079310, US2005247634, US2002162805,

Abstract:
Source: US2811258A (Claim 1) 1. Water treatment apparatus adapted to be connected to a source of raw water, comprising an upwardly converging conical casing, a spinning–disk atomizer – co–axial with the casin.– and pcysitioned to discharge water into impingeme–nt with the conical wall thereof for – downward deflection of the water thereby, a blower carried with the disk and discharging outward and upward into convergence with water discharged by the atomizer, a water inlet to the center of said disk, an air inlet to said blower, a free air outlet from the casing above the zone of water impingement therein, a detention tank below said casing, a water drain outlet from the casing to the tank, means controlling the flow of water to said water inlet, a motor for driving the atomizer and blower, and a waterlevel–responsive control in the tank to control jointly said water–flow controlling means and said driving motor.

0) US2004191372A – MACHINE FOR THE PREPARATION OF BEVERAGES

131) Family number: 33464855 (US2004191372A) © PatBase

Title: MACHINE FOR THE PREPARATION OF BEVERAGES

Priority: GB20030001709 20030124 US20030462538P 20030411 US20040763928 20040123

Family:

Publication number	Publication date	Application number	Application date
US2004191372 AA	20040930	US20040763928	20040123
US7316178 BB	20080108	US20040763928	20040123

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std)**:** KRAFT FOODS R AND D INC

Assignee(s): DOUWE EGBERTS BV KONINKLL

Inventor(s):(std)**:** HANSEN NICK ; HALLIDAY ANDREW ; CARTER STEVE

Inventor(s): HENSEN NICK

Agent(s): FITCH EVEN TABIN AND FLANNERY

International class (IPC 8–9): A47J31/06 A47J31/36 A47J31/40 A47J31/44 A47J31/56 B65D81/00 B65D85/804 (Advanced/Invention); A47J31/06 A47J31/24 A47J31/40 A47J31/44 B65D81/00 B65D85/804 (Core/Invention)

International class (IPC 1–7): A23B4/00

CPC: A47J31/0673 A47J31/3695 A47J31/4407 A47J31/446 A47J31/4492 A47J31/56 B65D85/8043

European class: A47J31/06C A47J31/06P4B A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A1 A47J31/44A4 A47J31/44H A47J31/56 B65D81/00B3 B65D85/804B

US class: 426/112 426/112P 99/295 99/302R

Classification Explorer

Cited documents: WO9827854 A1, WO9717006 A1, WO9516377 A1, WO9507648 A1, WO8807472 A1, WO03065859 A3, WO03065859 A2, WO03059778 A3, WO03059778 A2, WO03039309 A1, WO03026470 A2, WO0228241 A1, WO0219875 A1, WO02092439 A2, WO02087400 A1, WO02085170 A3, WO02085170 A2, WO02082962 A1, WO02074661 A1, WO02074143 A2, WO0182760 A1, WO0160220 A1, WO0160219 A1, WO0158786 A1, WO0130218 A1, WO0115582 A1, WO0042891 A1, WO0028868 A1, USD489930 S1, USD479939 S1, USD475567 S1, USD461358 S1, USD460653 S1, USD459628 S1, USD452107 S1, USD443792 S1, USD423863 S1, USD419821 S1, USD255529 S1, US6655260 BB, US6645537 BB, US6644173 BB, US6612224 BB, US6607762 BB, US6606938 BB, US6405637 BA, US6358545 BA, US6347725 BA, US6289948 BA, US6279459 BA, US6245371 BA, US6240833 BA, US6240832 BA, US6186051 BA, US6182554 BA, US6178874 BA, US6178874 B1, US6173117 BA, US6173117 B1, US6170386 BA, US6170386 B1, US6142063 A, US6117471 A, US6109168 A, US6095031 A, US6082245 A, US6068871 A, US6062127 A, US6025000 A, US6021705 A, US6009792 A, US6006653 A, US6000317 A, US5992298 A, US5974950 A, US5967021 A, US5948455 A, US5921168 A, US5899137 A, US5897899 A, US5895672 A, US5862738 A, US5858437 A, US5840189 A, US5826492 A, US5794519 A, US5776527 A, US5762987 A, US5738001 A, US5704275 A, US5649472 A, US5649412 A, US5639023 A, US5638741 A, US5637335 A, US5603254 A, US5549035 A, US5531604 A, US5531152 A, US5479849 A, US5472719 A, US5463932 A, US5455887 A, US5440972 A, US5408917 A, US5398596 A, US5398595 A, US5375508 A, US5349897 A, US5347916 A, US5343799 A, US5327815 A, US5325765 A, US5303639 A, US5287797 A, US5285717 A, US5272960 A, US5265520 A, US5259295 A, US5242702 A, US5197374 A, US5186096 A, US5183998 A, US5178058 A, US5134924 A, US5082676 A, US5072660 A, US5063836 A, US5014611 A, US4990352 A, US4921712 A, US4920870 A, US4917005 A, US4886674 A, US4876953 A, US4873915 A, US4853234 A, US4846052 A, US4838152 A, US4818544 A, US4806375 A, US4787299 A, US4744291 A, US4738378 A, US4724752 A, US4653390 A, US4551611 A, US4484515 A, US4471689 A, US4382402 A, US3790029 A, US3403617 A, US3083101 A, US2899106 A, US2003222089 AA, US2003145736 AA, US2003056655 AA, US2003039731 AA, US2003005826 AA, US2002148357 AA, US2002148356 AA, US2002144604 AA, US2002144603 AA, US2002129712 AA, US2002124736 AA,

US2002121198 AA, US2002121197 AA, US2002088807 AA, US2002078831 AA, US2002048621 AA, US2002023543 AA, US2002015768 AA, US2002002913 AA, US2001048957 AA, US1576735 A, JP2000093309, GB828529 A, GB468248 A, GB2379624 A1, GB2374856 A1, GB2374816 A1, GB2374795 A1, GB2306432 A1, GB1215840 A, FR2322796 A1, FR1537031, EP1316283 A2, EP1274332 A1, EP1255685 B1, EP1255685 A1, EP1208782 A1, EP1153561 A1, EP1101430 A1, EP1095605 A1, EP1090574 A1, EP1042978 A1, EP0904718 A1, EP0870457 A1, EP0862882 B1, EP0862882 A1, EP0756844 B1, EP0730425 B1, EP0638486 A1, EP0604615 B1, EP0524464 A1, EP0521510 A1, EP0469162 A1, EP0455337 A1, EP0451980 A2, EP0449533 A1, EP0334572 A1, EP0334571 A1, EP0272922 A2, EP0151252 A1, EP0057671 A2,

Forward Citations: WO08144470, WO08144468, USD647399, USD647398, USD637484, US9708109, US9669992, US9668606, US9668452, US9555957, US9527717, US9451847, US9439533, US9398829, US9392901, US9386877, US9320385, US9272827, US9260284, US9119503, US9114902, US9113654, US9101163, US9084509, US8974846, US8950317, US8943952, US8936819, US8915177, US8887622, US8852659, US8850957, US8794128, US8771768, US8740020, US8613246, US8590753, US8567304, US8425963, US8361527, US8168247, US7806043, US7703380, US7654192, US2016244249, US2016242456, US2016242455, US2015257586, US2014322412, US2014170278, US2014109772, US2014026764, US2013312619, US2013213239, US2013025465, US2013019990, US2011166910, US2011139012, US2011126717, US2011111107, US2011070348, US2010192779, US2010173053, US2010147873, US2010147872, US2010147157, US2010107887, US2010071563, US2010055252, US2008148957, US2007283816, US2007017376, US2006230941, KR101229666, KR101225896, EP2696730, EP2155018, EP2148818, EP2148817,

Abstract:
Source: US2004191372A A beverage preparation machine for preparing a beverage from a cartridge containing one or more beverage ingredients comprising a first piercing element for forming an inlet, in use, in a cartridge received in the beverage preparation machine and a second piercing element for forming an outlet, in use, in said cartridge, characterised in that the first and second piercing elements are formed as a single removable unit.

0) EP1440638A1 – MACHINE FOR THE PREPARATION OF BEVERAGES GERAE...

132) Family number: 33465454 (EP1440638A1) © PatBase

Title: Machine for the preparation of beverages

Priority: GB20030001709 20030124

Family:

Publication number	Publication date	Application number	Application date
AT399494 E	20080715	AT20040250366T	20040123
DE602004014655 D1	20080814	DE200460014655T	20040123
EP1440638 A1	20040728	EP20040250366	20040123
EP1440638 B1	20080702	EP20040250366	20040123
ES2308115 T3	20081201	ES20040250366T	20040123
GB200301709 A0	20030226	GB20030001709	20030124
GB2397499 A1	20040728	GB20030001709	20030124
GB2397499 B2	20050126	GB20030001709	20030124
HK1065689 A3	20050304	HK20040108564	20041101

Probable Assignee: KRAFT FOODS R AND D INC

Assignee(s):(std)**:** KRAFT FOODS R AND D INC

Assignee(s): D INC ; KRAFT FOODS R AMP AMP

Inventor(s):(std)**:** CARTER STEPHEN ; CARTER STEVEN ; HALLIDAY ANDREW ; HANSEN NICK

Inventor(s): NICK HANSEN ; STEPHEN CARTER ; ANDREW HALLIDAY

Agent(s): THOMSON NEIL DAVID ET AL

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

International class (IPC 8–9): A47J31/06 A47J31/36 A47J31/40 (Advanced/Invention); A47J31/06 A47J31/24 A47J31/40 (Core/Invention)

International class (IPC 1–7): A47J31/06 A47J31/40

CPC: A47J31/0673 A47J31/3695 A47J31/4492

European class: A47J31/06P4B A47J31/36B4D2 A47J31/40H A47J31/44H

Classification Explorer

Cited documents: WO02085170 A2, WO02082962 A1, WO0158786, US5762987 A, US3403617 A, US2001048957 AA, EP0389141, EP0334572,

Forward Citations: WO14076041, US9084509, US8978544, US8443718, US7469628, JP2011015977, JP2007525385, EP1853142, EP1731063, EP1688072, EP1688072, CN104780815,

Abstract:
Source: EP1440638A1 A beverage preparation machine (201) for preparing a beverage from a cartridge (1) containing one or more beverage ingredients comprising a first piercing element (253) for forming an inlet, in use, in a cartridge (1) received in the beverage preparation machine (201) and a second piercing element (254) for forming an outlet, in use, in said cartridge, characterised in that the first and second piercing elements (253, 254) are formed as a single removable unit.

133) Family number: 51627010 (CA2780774A) © PatBase

Title: CARTRIDGE AND METHOD FOR THE PREPARATION OF BEVERAGES

Priority: CA20042513719 20040123 CA20042780774 20040123 GB20030001738 20030124 GB20030001745 20030124 GB20030001739 20030124 CA20122513719 20120709

Family:

Publication number	Publication date	Application number	Application date
CA2780774 AA	20040805	CA20042780774	20040123
CA2780774 C	20161129	CA20042780774	20040123

Probable Assignee: KRAFT FOODS R AND D INC

Assignee(s):(std)**:** KRAFT FOODS R AND D INC

Assignee(s): PANESAR SATWINDER ; BALLARD COLIN ; DOUWE EGBERTS BV KONINKLL ; GOMEZ MARIA ; HALLIDAY ANDREW

Inventor(s):(std)**:** BALLARD COLIN ; GOMEZ MARIA ; HALLIDAY ANDREW ; PANESAR SATWINDER

Agent(s): MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP

International class (IPC 8–9)**:** A47J31/06 A47J31/24 A47J31/36 A47J31/40 B65B43/42 B65D81/00 B65D85/72 B65D85/804 (Advanced/Invention); B67D1/00 (Advanced/Non–invention)

CPC: A47J31/0673 A47J31/3695 A47J31/4492 B65D85/8043 B67D2001/0812

European class: A47J31/06P4B A47J31/36B4D2 A47J31/44H B65D85/804B L67D1/08A32

Classification Explorer

Abstract:
Source: CA2780774A A method of dispensing a beverage from a cartridge containing one or more liquid beverage ingredients during an operating cycle, comprising the steps of passing an aqueous medium through the cartridge to form a beverage by dilution of said one or more beverage ingredients, and dispensing the beverage into a receptacle, wherein the one or more liquid beverage ingredients is foamed on dispense to a ratio of between 20 and 150 percent.

134) Family number: 53174640 (CA2805014A) © PatBase

Title: CARTRIDGE AND METHOD FOR THE PREPARATION OF BEVERAGES

Priority: CA20042780774 20040123 CA20042805014 20040123 GB20030001738 20030124 GB20030001745 20030124 GB20030001739 20030124 CA20132780774 20130220

Family:

Publication number	Publication date	Application number	Application date
CA2805014 AA	20040805	CA20042805014	20040123
CA2805014 C	20160322	CA20042805014	20040123

Probable Assignee: KRAFT FOODS R AND D INC

Assignee(s):(std)**:** KRAFT FOODS R AND D INC

Assignee(s): PANESAR SATWINDER ; BALLARD COLIN ; DOUWE EGBERTS BV KONINKLL ; GOMEZ MARIA ; HALLIDAY ANDREW

Inventor(s):(std)**:** BALLARD COLIN ; GOMEZ MARIA ; HALLIDAY ANDREW ; PANESAR SATWINDER

Agent(s): MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP

International class (IPC 8–9)**:** A47J31/06 A47J31/24 A47J31/36 A47J31/40 A47J31/44 B65D81/00 B65D85/72 B65D85/804 (Advanced/Invention) ; A23F5/00 B67D1/00 (Advanced/Non–invention)

CPC: B65D85/8043 A47J31/0673 A47J31/3695 A47J31/4492 B67D2001/0812

Classification Explorer

Abstract:
Source: CA2805014A method of manufacturing a cartridge (1) for dispensation of a beverage comprising a. manufacturing a plurality of outer members comprising at least a first type of outer member and a second type of outer member having differing shape or configurations; b. manufacturing a plurality of inner members comprising at least a first type of inner member and a second type of inner member having differing shape or configurations; c. storing the inner and outer members; d. selecting one of the first or second type of outer member; e. selecting one of the first or second type of inner member; f. conjoining the selected inner member to the selected outer member such that the inner member is within the outer member; g. filling the outer member with one or more beverage ingredients; and h. sealing the outer member with a lid to form the cartridge.

0) DE29702922U1 – AIR MOISTURIZER LUFTBEFEUCHTER

135) Family number: 17773589 (DE29702922U1) © PatBase

Title: Air moisturizer

Priority: CH19960000590 19960306

Family:

Publication number	Publication date	Application number	Application date
DE29702922 U1	19970410	DE19972002922U	19970219

Probable Assignee: LANNA GIUSEPPE

Assignee(s):(std)**:** LANNA GIUSEPPE

Assignee(s): LANNA GIUSEPPE BIRR CH

International class (IPC 8–9): F24F6/02 (Advanced/Invention)

International class (IPC 1–7): F24F6/02

CPC: F24F6/02 F24F11/001 F24F2011/0091

European class: F24F6/02 R24F11/00R3 R24F11/00R9E

Classification Explorer

Abstract:
Source: DE29702922U1 (Claim 1) Schutzansprueche 1 . Luftbefeuchter mit einem Gehaeuse (10) und einer Wanne (1 9) und einemaus einer Einlegestellung (A) nach oben herausnehmbaren mit Wasser fuellbaren Vorratsbehaelter (20) mit einem mit einer Feder (2 14) belasteten Ventil (2 1 1) ,wobei, wenn der Vorratsbehaelter (20) mit dem Ventil (2 11) in die Wanne (19)hineingestellt ist, das Ventil (2 11) offen ist und wenn der Vorratsbhaelter (20)zum Herausnehmen angehoben ist, das Ventil (2 1 1) geschlossen ist, und wobeiVerdunstungsfolien (31) mit einem Ende in der Wanne (1 9) stehen, dadurchgekennzeichnet, dass der Vorratsbehaelter (20) sich bei hohem Wasserstand sich in einer ersten Einlegestellung (A) und bei niedrigem Wasserstand in einer A l ar m ste ue ung(B), in welcher er oben teilweise aus dem Gehaeuse (10) ragt, befindet, wobei er durch den Druck der Feder (214) von der Einlegestellung (A) in dieAlarmstellung (B) bringbar ist.

Machine translation: (Claim 1) td Schutzansprueche 1. Humidifier comprising a housing (10) and a trough (1 9) and a mouse an insertion position (A) top removable can be filled with water Vorratsbehaelter (20) with a loaded with a spring (2 14) Valve (2 1 1), where, if the Vorratsbehaelter (20) with the valve (2 11) in the tub (19) is placed, the valve (2 11) is open and if the Vorratsbhaelter (20) is lifted to remove the valve (2 1 1) closed, and wobeiVerdunstungsfolien (31) with one end in the tub (1 9) are characterized in that the Vorratsbehaelter (20), at high water level in ste in a first insertion position (A) and at low water level in an A l ar m ue UNG (B), above, in which he partially protrudes from the housing (10) is located, passing through the pressure of the spring (214) by the insertion position (A) in dieAlarmstellung (B) can be brought.

0) US2004188459A – MACHINE FOR THE PREPARATION OF BEVERAGES

136) Family number: 33464852 (US2004188459A) © PatBase

Title: MACHINE FOR THE PREPARATION OF BEVERAGES

Priority: GB20030001734 20030124 US20030462538P 20030411 US20040763634 20040123

Family:

Publication number	Publication date	Application number	Application date
US2004188459 AA	20040930	US20040763634	20040123
US7097074 BB	20060829	US20040763634	20040123

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std)**:** KRAFT FOODS R AND D INC

Assignee(s): D INC ; DOUWE EGBERTS BV KONINKLL ; KRAFT FOODS R AMP AMP

Inventor(s):(std)**:** CARTER STEVE ; HALLIDAY ANDREW

Agent(s): FITCH EVEN TABIN AND FLANNERY

International class (IPC 8–9): A47J31/06 A47J31/36 A47J31/40 A47J31/44 A47J31/56 B65D81/00 B65D85/804 B67D5/00 B67D99/00 (Advanced/Invention); A47J31/06 A47J31/24 A47J31/40 A47J31/44 B65D81/00 B65D85/804 B67D99/00 (Core/Invention)

International class (IPC 1–7): B67D5/00

CPC: A47J31/0673 A47J31/3695 A47J31/4407 A47J31/446 A47J31/4492 A47J31/56 B65D85/8043

European class: A47J31/06C A47J31/06P4B A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A1 A47J31/44A4 A47J31/44H A47J31/56 B65D81/00B3 B65D85/804B

US class: 222/325 222/83 222/83P 222/85

Classification Explorer

Cited documents: WO9827854 A1, WO9717006 A1, WO9516377 A1, WO9507648 A1, WO8807472 A1, WO03065859 A3, WO03065859 A2, WO03059778 A3, WO03059778 A2, WO03039309 A1, WO03026470 A2, WO0228241 A1, WO0219875 A1, WO02092439 A2, WO02087400 A1, WO02085170 A3, WO02085170 A2, WO02082962 A1, WO02074661 A1, WO02074143 A2, WO0182760 A1, WO0160220 A1, WO0160219 A1, WO0158786 A1, WO0130218 A1, WO0115582 A1, WO0042891 A1, WO0028868 A1, USD489930 S1, USD479939 S1, USD475567 S1, USD461358 S1, USD460653 S1, USD459628 S1, USD452107 S1, USD443792 S1, USD423863 S1, USD419821 S1, USD255529 S1, US6655260 BA, US6645537 BA, US6612224 BA, US6607762 BB, US6607762 BA, US6606938 BB, US6606938 BA, US6499388 BB, US6499388 BA, US6405637 BA, US6358545 BA, US6347725 BA, US6289948 BA, US6279459 BA, US6245371 BA, US6240833 BA, US6240832 BA, US6186051 BA, US6182554 BA, US6178874 BA, US6178874 B1, US6173117 BA, US6173117 B1, US6170386 BA, US6170386 B1, US6142063 A, US6117471 A, US6109168 A, US6095031 A, US6082245 A, US6068871 A, US6062127 A, US6025000 A, US6021705 A, US6009792 A, US6006653 A, US6000317 A, US5992298 A, US5974950 A, US5967021 A, US5948455 A, US5921168 A, US5897899 A, US5895672 A, US5862738 A, US5858437 A, US5840189 A, US5826492 A, US5794519 A, US5776527 A, US5762987 A, US5738001 A, US5704275 A, US5649472 A, US5649412 A, US5639023 A, US5638741 A, US5637335 A, US5603254 A, US5549035 A, US5531604 A, US5531152 A, US5479849 A, US5472719 A, US5463932 A, US5455887 A, US5440972 A, US5408917 A, US5398596 A, US5398595 A, US5375508 A, US5349897 A, US5347916 A, US5343799 A, US5327815 A, US5325765 A, US5303639 A, US5287797 A, US5285717 A, US5272960 A, US5265520 A, US5259295 A, US5242702 A, US5197374 A, US5186096 A, US5183998 A, US5178058 A, US5134924 A, US5082676 A, US5072660 A, US5063836 A, US5014611 A, US4990352 A, US4921712 A, US4920870 A, US4917005 A, US4886674 A, US4876953 A, US4873915 A, US4853234 A, US4846052 A, US4838152 A, US4818544 A, US4806375 A, US4787299 A, US4744291 A, US4738378 A, US4724752 A, US4653390 A, US4551611 A, US4484515 A, US4471689 A, US4382402 A, US3790029 A, US3403617 A, US3083101 A, US2003222089 AA, US2003145736 AA, US2003056655 AA, US2003039731 AA, US2003005826 AA, US2002148357 AA, US2002148356 AA, US2002144604 AA, US2002144603 AA, US2002129712 AA, US2002124736 AA, US2002121198 AA, US2002121197 AA, US2002088807 AA,

US2002078831 AA, US2002048621 AA, US2002023543 AA, US2002015768 AA, US2002002913 AA, US2001048957 AA, US1576735 A, JP2000093309, GB828529 A, GB468248 A, GB2379624 A1, GB2374856 A1, GB2374816 A1, GB2374795 A1, GB2306432 A1, GB1215840 A, FR2322796 A1, FR1537031, EP1316283 A2, EP1274332 A1, EP1255685 B1, EP1255685 A1, EP1208782 A1, EP1153561 A1, EP1101430 A1, EP1095605 A1, EP1090574 A1, EP1042978 A1, EP0904718 A1, EP0870457 A1, EP0862882 B1, EP0862882 A1, EP0756844 B1, EP0730425 B1, EP0638486 A1, EP0604615 B1, EP0524464 A1, EP0521510 A1, EP0469162 A1, EP0455337 A1, EP0451980 A2, EP0449533 A1, EP0334572 A1, EP0334571 A1, EP0272922 A2, EP0151252 A1, EP0057671 A2,

Forward Citations: WO16073428, WO09006379, WO09006374, WO08106554, WO08106554, USD758120, USD647399, USD647398, USD637484, US9708109, US9669992, US9668606, US9668452, US9555957, US9476826, US9451847, US9409705, US9386877, US9371174, US9332876, US9272827, US9271601, US9260284, US9247846, US9114902, US9113654, US9101163, US9084509, US9079706, US8974846, US8950931, US8950317, US8936819, US8887622, US8852659, US8846120, US8771768, US8758844, US8752478, US8740020, US8722124, US8707855, US8647691, US8590753, US8567304, US8399035, US8361527, US8322271, US8240508, US8197924, US8180204, US8168247, US7964230, US7947316, US2016244249, US2016242456, US2016242455, US2015272381, US2015257586, US2014322412, US2014311352, US2014287117, US2014170278, US2014109772, US2013247775, US2013247470, US2013230627, US2013224344, US2013064937, US2012328739, US2012285334, US2012207893, US2011300276, US2011165414, US2011095050, US2010275786, US2010192779, US2010163573, US2010133222, US2010055252, US2009007793, US2009007792, EP2566784, EP1690482, EP1690482, CN104619217, CN104135901, CN103260486, AU2009334801,

Abstract:
Source: US2004188459A A closure mechanism for a beverage preparation machine comprising a fixed lower part, an upper part rotatable relative to the lower part and a cartridge holder interposed between the lower part and the upper part and being rotatable relative to the lower part and the upper part, wherein the lower part comprises inlet piercing means and outlet piercing means for forming, respectively, an inlet and an outlet, in use, in a cartridge received in the cartridge holder, wherein rotation of the upper part towards the lower part causes the upper part to engage the cartridge holder and to move the cartridge holder into contact with the lower part and at the same time to cause, in use, the inlet piercing means and the outlet piercing means to pierce a cartridge received in the cartridge holder.

0) US2004211322A – MACHINE FOR THE PREPARATION OF BEVERAGES

137) Family number: 33464858 (US2004211322A) © PatBase

Title: MACHINE FOR THE PREPARATION OF BEVERAGES

Priority: GB20030001735 20030124 US20030462538P 20030411 US20040763767 20040123

Family:

Publication number	Publication date	Application number	Application date
US2004211322 AA	20041028	US20040763767	20040123
US7231869 BB	20070619	US20040763767	20040123

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std)**:** KRAFT FOODS R AND D INC

Assignee(s): DOUWE EGBERTS BV KONINKLL

Inventor(s):(std)**:** CARTER STEVE ; HALLIDAY ANDREW

Agent(s): FITCH EVEN TABIN AND FLANNERY

International class (IPC 8–9): A47J31/00 A47J31/06 A47J31/36 A47J31/40 A47J31/44 A47J31/56 B65D81/00 B65D85/804 (Advanced/Invention); A47J31/06 A47J31/24 A47J31/40 A47J31/44 B65D81/00 B65D85/804 (Core/Invention)

International class (IPC 1–7): A47J31/00

CPC: A47J31/0673 A47J31/3695 A47J31/4407 A47J31/446 A47J31/4492 A47J31/56 B65D85/8043

European class: A47J31/06C A47J31/06P4B A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A1 A47J31/44A4 A47J31/44H A47J31/56 B65D81/00B3 B65D85/804B

US class: 99/279 99/279P 99/289.00R 99/289R 99/295 99/302R

Classification Explorer

Cited documents: WO9827854 A1, WO9717006 A1, WO9516377 A1, WO9507648 A1, WO8807472 A1, WO03065859 A3, WO03065859 A2, WO03059778 A3, WO03059778 A2, WO03039309 A1, WO03026470 A2, WO0228241 A1, WO0219875 A1, WO02092439 A2, WO02087400 A1, WO02085170 A3, WO02085170 A2, WO02082962 A1, WO02074661 A1, WO02074143 A2, WO0182760 A1, WO0160220 A1, WO0160219 A1, WO0158786 A1, WO0130218 A1, WO0115582 A1, WO0042891 A1, WO0028868 A1, USD489930 S1, USD479939 S1, USD475567 S1, USD461358 S1, USD460653 S1, USD459628 S1, USD452107 S1, USD443792 S1, USD423863 S1, USD419821 S1, USD255529 S1, US6935222 BB, US6698332 BB, US6655260 BB, US6645537 BB, US6612224 BB, US6607762 BB, US6606938 BB, US6405637 BA, US6358545 BA, US6347725 BA, US6289948 BA, US6279459 BA, US6245371 BA, US6240833 BA, US6240832 BA, US6186051 BA, US6182554 BA, US6178874 BA, US6178874 B1, US6173117 BA, US6173117 B1, US6170386 BA, US6170386 B1, US6142063 A, US6117471 A, US6109168 A, US6095031 A, US6082245 A, US6068871 A, US6062127 A, US6025000 A, US6021705 A, US6009792 A, US6006653 A, US6000317 A, US5992298 A, US5974950 A, US5967021 A, US5948455 A, US5921168 A, US5897899 A, US5895672 A, US5862738 A, US5858437 A, US5840189 A, US5826492 A, US5794519 A, US5776527 A, US5762987 A, US5738001 A, US5704275 A, US5649472 A, US5649412 A, US5639023 A, US5638741 A, US5637335 A, US5603254 A, US5549035 A, US5531604 A, US5531152 A, US5479849 A, US5472719 A, US5463932 A, US5455887 A, US5440972 A, US5408917 A, US5398596 A, US5398595 A, US5375508 A, US5349897 A, US5347916 A, US5343799 A, US5327815 A, US5325765 A, US5303639 A, US5287797 A, US5285717 A, US5272960 A, US5265520 A, US5259295 A, US5242702 A, US5197374 A, US5186096 A, US5183998 A, US5178058 A, US5134924 A, US5082676 A, US5072660 A, US5063836 A, US5014611 A, US4990352 A, US4921712 A, US4920870 A, US4917005 A, US4886674 A, US4876953 A, US4873915 A, US4853234 A, US4846052 A, US4838152 A, US4818544 A, US4806375 A, US4787299 A, US4744291 A, US4738378 A, US4724752 A, US4653390 A, US4551611 A, US4484515 A, US4471689 A, US4382402 A, US3790029 A, US3403617 A, US3083101 A, US2003222089 AA, US2003145736 AA, US2003056655 AA, US2003039731 AA, US2003005826 AA, US2002148357 AA, US2002148356 AA, US2002144604 AA, US2002144603 AA, US2002129712 AA, US2002124736 AA, US2002121198 AA, US2002121197 AA, US2002088807 AA, US2002078831 AA, US2002048621 AA, US2002023543 AA, US2002015768 AA, US2002002913 AA,

US2001048957 AA, US1576735 A, JP4236921 A2, JP2000093309, GB828529 A, GB468248 A, GB2379624 A1, GB2374856 A1, GB2374816 A1, GB2374795 A1, GB2306432 A1, GB1215840 A, FR2322796 A1, FR1537031, EP1316283 A2, EP1274332 A1, EP1255685 B1, EP1255685 A1, EP1208782 A1, EP1153561 A1, EP1101430 A1, EP1095605 A1, EP1090574 A1, EP1042978 A1, EP0904718 A1, EP0870457 A1, EP0862882 B1, EP0862882 A1, EP0756844 B1, EP0730425 B1, EP0638486 A1, EP0604615 B1, EP0524464 A1, EP0521510 A1, EP0469162 A1, EP0455337 A1, EP0451980 A2, EP0449533 A1, EP0334572 A1, EP0334571 A1, EP0272922 A2, EP0151252 A1, EP0057671 A2,

Forward Citations: WO13171649, WO08144468, US9708109, US9669992, US9668606, US9668452, US9556011, US9451847, US9439533, US9427105, US9398829, US9392901, US9386877, US9339142, US9272827, US9260284, US9119503, US9114902, US9113654, US9101163, US9084509, US8978542, US8974846, US8950317, US8936819, US8915177, US8887622, US8876488, US8852659, US8850957, US8771768, US8740020, US8733231, US8707855, US8647691, US8613246, US8590753, US8567304, US8425963, US8359969, US8347780, US8210097, US8168247, US7703380, US7677158, US2016244249, US2016242456, US2016242455, US2015257586, US2015157164, US2015144003, US2014322412, US2014170278, US2014109772, US2013025465, US2012285334, US2012207893, US2012164295, US2011265658, US2011166910, US2011126717, US2011070348, US2010258010, US2010237097, US2010192779, US2010173053, US2010147873, US2010147872, US2010147157, US2010116142, US2010107887, US2010071563, US2010055252, US2010011965, US2009293735, US2009293530, US2009283153, US2009241782, US2007283816, US2006230941, US2006090653, KR101225896, KR101218432, ITVR20120093, GB2515975, EP2583595,

Abstract:
Source: US2004211322A A closure mechanism for a beverage preparation machine comprising a lower part and an upper part, the upper part and lower part being movable relative to one another from an open position in which a beverage cartridge can be received in the closure mechanism and a closed position in which the beverage cartridge is fixedly retained between the upper part and lower part, wherein in the closed position the closure mechanism contacts a top surface and a bottom surface of the beverage cartridge at or near a centre of the beverage cartridge to exert a compressive force of greater than 50N.

138) Family number: 33465141 (EP1440637A1) © PatBase

Title: Machine for the preparation of beverages

Priority: GB20030001709 20030124 GB20030001713 20030124 GB20030001734 20030124 GB20030001735 20030124

Family:

Publication number	Publication date	Application number	Application date
CN100515293 C	20090722	CN200480007272	20040123
CN1761425 A	20060419	CN200480007272	20040123
EP1440637 A1	20040728	EP20040250362	20040123
EP1440637 B1	20130918	EP20040250362	20040123
GB200301735 A0	20030226	GB20030001735	20030124
GB2397504 A1	20040728	GB20030001735	20030124
GB2397504 B2	20050713	GB20030001735	20030124

Probable Assignee: KRAFT FOODS R AND D INC

Assignee(s):(std)**:** KRAFT FOODS R AND D INC

Assignee(s): D INC ; KRAFT FOODS R AMP AMP

Inventor(s):(std)**:** CARTER STEPHEN ; CARTER STEVEN ; HALLIDAY ANDREW ; ANDREW HALLIDAY ; HALLIDAY ANDREW MICHAEL ; NICK HALLIDAY ANDREW CARTER ST ; NICK HANSEN ; STEVEN CARTER

Inventor(s): STEPHEN CARTER ; HANSEN NICK ; ANDREW MICHAEL HALLIDAY ; HALLIDAY ANDREW CARTER STEVEN HANSEN NICK

Agent(s): THOMSON NEIL DAVID

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

International class (IPC 8–9): A47J31/06 A47J31/36 A47J31/40 A47J31/44 A47J36/12 B65D81/00 B65D85/804 (Advanced/Invention); A47J31/06 A47J31/24 A47J31/40 A47J31/44 B65D81/00 B65D85/804 (Core/Invention)

International class (IPC 1–7): A47J31/06 A47J31/36 A47J31/40

CPC: A47J31/0673 A47J31/3695 A47J31/4407 A47J31/446 A47J31/4492 B65D85/8043

European class: A47J31/06C A47J31/06P4B A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A1 A47J31/44A4 A47J31/44H B65D81/00B3 B65D85/804B

Classification Explorer

Cited documents: US5794519 A, GB1215840 A, FR1537031 A, EP0469162 A1, EP0334572 A1,

Forward Citations: WO17093201, WO08023057, US9167933, RU2573964, EP3175746, EP2603119, EP2603119, CN105164025, CN102665499, AU2011288643, AU2011288643,

Abstract:
Source: EP1440637A1 A closure mechanism for a beverage preparation machine (201) comprising a lower part (255) and an upper part (256), the upper part and lower part being movable relative to one another from an open position in which a beverage cartridge (1) can be received in the closure mechanism and a closed position in which the beverage cartridge is fixedly retained between the upper part and lower part, wherein in the closed position the closure mechanism contacts a top surface (11) and a bottom surface of the beverage cartridge at or near a centre of the beverage cartridge to exert a compressive force of greater than 50N.

139) Family number: 33465455 (EP1440639A1) © PatBase

Title: Machine for the preparation of beverages

Priority: GB20030001734 20030124

Family:

Publication number	Publication date	Application number	Application date
AT294524 E	20050515	AT20040250376T	20040123
DE602004000009 D1	20050609	DE200460000009T	20040123
DE602004000009 T2	20051229	DE200460000009T	20040123
DK1440639 T3	20050815	DK20040250376T	20040123
EP1440639 A1	20040728	EP20040250376	20040123
EP1440639 B1	20050504	EP20040250376	20040123
ES2242178 T3	20051101	ES20040250376T	20040123
GB200301734 A0	20030226	GB20030001734	20030124
GB2397503 A1	20040728	GB20030001734	20030124
GB2397503 B2	20050302	GB20030001734	20030124
HK1065690 A1	20051014	HK20040108565	20041101
HK1065690 A3	20050304	HK20040108565	20041101

Probable Assignee: KRAFT FOODS R AND D INC

Assignee(s):(std)**:** KRAFT FOODS R AND D INC

Assignee(s): D INC ; KRAFT FOODS R AMP AMP

Inventor(s):(std)**:** ANDREW HALLIDAY ; CARTER STEPHEN ; CARTER STEVEN ; HALLIDAY ANDREW ; STEVEN CARTER

Inventor(s): STEPHEN CARTER

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

International class (IPC 8–9): A47J31/06 A47J31/36 A47J31/40 A47J31/44 (Advanced/Invention)

International class (IPC 1–7): A47J31/40 A47J31/44

CPC: A47J31/0673 A47J31/3695 A47J31/446 A47J31/4492

European class: A47J31/06P4B A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A4 A47J31/44H

Classification Explorer

Cited documents: EP1095605 A1, EP0870457 A1, EP0151252 A1,

Forward Citations: WO16133858, WO16083488, WO16083485, WO13127907, WO13117990, WO13104636, WO13039955, WO13017842, WO12072758, WO12066313, WO12007313, WO11154492, WO06038227, US9357872, US9277839, US9084509, US9066624, US9049960, US8973485, US8960078, US8800433, US8770093, US8695484, US8557314, US8091469, US7806043, US2014272048, RU2586982, EP2633789, EP2594173, EP2374384, EP1943931, EP1796517, EP1731065, EP1731065, DE102010002439, DE102006002511, CN104093341, CN104093341, AU2013217333,

Abstract:
Source: EP1440639A1 A closure mechanism for a beverage preparation machine (201) comprising a fixed lower part (255), an upper part (256) rotatable relative to the lower part and a cartridge holder (257) interposed between the lower part and the upper part and being rotatable relative to the lower part and the upper part, wherein the lower part comprises inlet piercing means (253) and outlet piercing means (254) for forming, respectively, an inlet and an outlet, in use, in a cartridge (1) received in the cartridge holder, wherein rotation of the upper part towards the lower part causes the upper part to engage the cartridge holder and to move the cartridge holder into contact with the lower part and at the same time to cause, in use, the inlet piercing means and the outlet piercing means to pierce a cartridge received in the cartridge holder.

140) Family number: 34951494 (US2007175063A) © PatBase

Title: COMBINATION DEHYDRATOR, DRY RETURN AIR AND CONDENSED WATER GENERATOR/DISPENSER

Priority: US20060346110 20060202

Family:

Publication number	Publication date	Application number	Application date
US2007175063 AA	20070802	US20060346110	20060202

Probable Assignee: MORGAN JANET S

Assignee(s):(std)**:** MORGAN JANET S ; MORGAN MICHAEL

Inventor(s):(std)**:** MORGAN JANET S ; MORGAN MICHAEL

Inventor(s): MORGAN JANET

Agent(s): LAW OFFICES OF MARK L BERRIER

International class (IPC 8–9): F25D17/06 F26B3/00 (Advanced/Invention); F25D17/06 F26B3/00 (Core/Invention)

CPC: F26B21/001 F26B21/086

European class: F26B21/00B F26B21/08C

US class: 34/467 62/93

Classification Explorer

Cited documents: US4209993 A, US3132005 A, US2742708 A,

Forward Citations: USD698833, US8627673, US8334518, US8146265, US7975398, US7954335, US7908766, US7870975, US7748137, US7669350, US2010307181, US2010223807, US2010200769, US2010083676, US2010012869, US2009321435, US2009321335, US2009241580, US2009145001, US2008047162, US2007181000,

Abstract:
Source: US2007175063A A portable, combination dehydrator, dry return air and condensed water generator/dispenser configured to reduce the humidity in a dry storage unit. In one embodiment, a system draws intake air from the dry storage unit across the condenser of a heat exchanger and condenses water from the air, collecting the water in a storage tank. The dried return air is ducted into the dry storage unit. In one embodiment, the source of the intake air may be selected from either the dry storage unit or an alternative source (e.g., outside air.) The selection of the intake air source may be based on the humidity of the air (e.g., if the humidity of the air in the dry storage unit is above a threshold, the dry storage unit is selected.) If both of the alternate sources of intake air have humidities below a threshold level, operation of the system may be suspended.

0) US3391830A – BEDSIDE LIQUID STORAGE AND DISPENSING APPARATUS...

141) Family number: 829543 (US3391830A) © PatBase

Title:	Bedside liquid storage and dispensing apparatus
Priority:	US19670620541 19670303

Family:

Publication number	Publication date	Application number	Application date
US3391830 A	19680709	US19670620541	19670303

Probable Assignee:	EVELYN KITCHENS
Assignee(s):	EVELYN KITCHENS
Inventor(s):(std):	EVELYN KITCHENS ; KITCHENS EVELYN
International class (IPC 8–9):	A61G12/00 A61G7/05 (Advanced/Invention); A61G12/00 A61G7/05 (Core/Invention)
International class (IPC 1–7):	A61J1/00
CPC:	A61G7/05 A61G12/00
European class:	A61G12/00 A61G7/05
US class:	220/705 220/709 222/132 222/146.1 222/158 222/416 222/490

Classification Explorer

Cited documents:	US827124 A, US3295715 A, US3178061 A, US3165241 A, US3160330 A, US3130873 A, US2817459 A, US2051013 A, US1188132 A,
Forward Citations:	USD507447, US8240967, US6915961, US6179146, US5730336, US5222940, US4430075, US4218167, US4205676, US3902637, US3593888, US3558020, US3501057, US2009104004, US2004217187, US2003222238, US2002115961,

Abstract:
Source: US3391830A (Claim 1) 1. A liquid dispensing device for a patient confined in bed which comprises, an open top container having bottom and side walls defining an inner chamber, a form fitting lid for closing oif the open top of said container, at least one liquid–carrying cup adapted to be removably–positioned within said chamber, said cup having an open top portion and bottom and side walls, the bottom walls of said container and said cup having complementary oifset portions for accurately aligning said cup in an upright position within said chamber in a spaced relation with respect to the side wall of said container to provide for placing a temperature conditioning medium for said cup within the spacing, said lid having an inwardly pro–jecting closure portion interfitting with the open top portion of said cup to close off its liquid content from said chamber and the outside of said container, and tubular liquid dispensing means adapted to extend through said lid into said cup for withdrawing liquid carried by said cup.

0) US5447256A – BOTTLE ENCLOSURE WITH DRIP TRAY

142) Family number: 12135316 (US5447256A) © PatBase

Title: Bottle enclosure with drip tray

Priority: US19940291291 19940816

Family:

Publication number	Publication date	Application number	Application date
US5447256 A	19950905	US19940291291	19940816

Probable Assignee: GRAHAM MICHAEL J

Assignee(s):(std)**:** GRAHAM MICHAEL J

Inventor(s):(std)**:** GRAHAM MICHAEL J

International class (IPC 8–9)**:** B67D1/16 (Advanced/Invention); B67D1/00 (Core/Invention)

International class (IPC 1–7)**:** B67D1/16

CPC: B67D1/16

European class: B67D1/16

US class: 141/1 141/357 141/362 141/87 141/88 222/108 222/183

Classification Explorer

Cited documents: US5285989 A, US3964636 A, US3830406 A, US3794219 A, US3696969 A, US3627399 A, US3327902 A, US3232491 A, US3026005 A, US2834516 A, US2785836 A, US2520380 A, US2080923 A, US178489 A, US1660074 A,

Forward Citations: WO06130919, US9423167, US8882064, US8387771, US8109378, US7490739, US7328818, US6772804, US6629430, US5593067, US2014352347, US2008308383, US2008110931, US2007012541, US2006134273, US2006134272, US2006134271, US2005269361,

Abstract:
Source: US5447256A The present invention relates to an enclosure housing a fluid container having a retractable drip tray slidably mounted therein whereas when a cup or glass is pushed against the front of the drip tray, the drip tray retracts into the housing, compressing the V–spring, allowing filling from the fluid container spout. When the cup or glass is removed, the V–spring is relaxed, extending the drip tray outwardly to catch any drips from the fluid container spout.

143) Family number: 1104092 (US3798932A) © PatBase

Title: SIPHONED VORTEX LIQUID DISPENSER FOR AUTOMATIC WASHERS

Priority: US19720251428 19720508

Family:

Publication number	Publication date	Application number	Application date
AU197352028 A1	19740815	AU19730052028	19730209
AU468114 B2	19760108	AU19730052028	19730209
CA1001441 A1	19761214	CA19730161575	19730118
US3798932 A	19740326	US19720251428	19720508

Probable Assignee: WHIRLPOOL CO

Assignee(s):(std)**:** WHIRLPOOL CO

Assignee(s): WHIRLPOOL CORP ; WHIRLPOOL CORP US ; TROMBLEE JON D

Inventor(s):(std)**:** TROMBLEE JON D ; TROMBLEE J

Inventor(s): JON D TROMBLEE ; TROMBLEE J US

International class (IPC 8–9): D06F39/02 (Advanced/Invention); D06F39/02 (Core/Invention)

International class (IPC 1–7): D06F39/02

CPC: D06F39/02

European class: D06F39/02

US class: 134/93 68/17R 68/207

Classification Explorer

Cited documents: US3204831 A, US3038639 A, US2976879 A, US2523800 A, GB1134483 A, FR1224430 A,

Forward Citations: US8074476, US6353954, US4205540, US2015013397, US2008236207, US2007130700, FR2530273, EP0099798,

Abstract:
Source: US3798932A A liquid agent dispenser for introducing liquid solutions into an automatic wshing machine, including a receptacle having a curved side wall and an angular base wall terminating in a discharge openingat the lowermost point thereof, together in a discharge opening at the lowermost point thereof, together with means for injecting water tangentially of the curved side wall at a sufficient velocity to cause a vortex to exist in the receptacle with its axis substantially coinciding with the axis of the discharge opening, in combination with a siphon receiving the discharge from the discharge opening to render the receptacle self cleaning of particulate matter.

0) US2011186513A – WATER TREATMENT SYSTEMS AND METHODS

144) Family number: 49379265 (US2011186513A) © PatBase

Title: WATER TREATMENT SYSTEMS AND METHODS

Priority: US20100301357P 20100204 US20100387347P 20100928 US20110020393 20110203 US20110180310 20110711 WO2011US23637 20110203 US20140213230 20140314

Family:

Publication number	Publication date	Application number	Application date
CA2825674 AA	20130722	CA20112825674	20110203
CA2825674 C	20170516	CA20112825674	20110203
IN06818DN2012 A	20140117	IN2012DN06818	20120803
MX2012008953 A1	20121123	MX20120008953	20110203
US2011186513 AA	20110804	US20110020393	20110203
US2012000851 AA	20120105	US20110180310	20110711
US2014197086 AA	20140717	US20140213230	20140314
US8685252 BB	20140401	US20110020393	20110203
US8999162 BB	20150407	US20140213230	20140314
WO11097403 A1	20110811	WO2011US23637	20110203
WO13009477 A1	20130117	WO2012US44456	20120627

Probable Assignee: DXV WATER TECHNOLOGIES LLC

Assignee(s):(std)**:** DXV WATER TECH LLC ; DXV WATER TECHNOLOGIES LLC ; ECONOPURE WATER SYSTEMS LLC ; MOTHERWAY MICHAEL ; ROTH CURTIS ; VUONG DIEM XUAN

Inventor(s):(std)**:** MOTHERWAY MICHAEL ; MOTHERWAY MICHAEL SEAN ; ROTH CURTIS ; VUONG DIEM XUAN

Agent(s): SIM AND MCBURNEY; AIRD AND MCBURNEY LP; KNOBBE MARTENS OLSON AND BEAR LLP; MALLON JOSEPH J; ARNO THOMAS R

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B01D61/00 B01D61/02 B01D61/04 B01D61/10 B01D61/14 B01D63/08 B01D63/12 B01D65/02 B01D65/04 B01D65/06 B01D65/08 B1D61/00 C02F1/28 C02F1/44 (Advanced/Invention); C02F1/36 C02F1/44 (Advanced/Non–invention)

CPC: B01D2311/2626 B01D2315/06 B01D2321/2075 C02F1/442 B01D65/06 B01D61/025 B01D61/027 B01D61/04 B01D61/10 B01D61/145 B01D61/147 B01D63/082 B01D65/08 B01D2311/04 B01D2321/2091 C02F1/28 C02F1/281 C02F1/283 C02F1/36 C02F1/441 C02F2303/20

European class: B01D61/04 B01D61/10 B01D63/08D B01D65/08 C02F1/28 C02F1/44B L01D311/04 L01D311/26J L01D315/06 L01D321/20F2 L01D321/20J M02F1/28B M02F1/28D M02F1/36 M02F1/44C M02F303/20

US class: 210/194 210/321.69 210/321.690S 210/321.7 210/321.700S 210/321.74 210/321.76 210/321.83 210/321.85 210/323.2 210/636 210/652

Classification Explorer

Cited documents: WO9857732, WO9636564 A1, WO9623567 A1, WO9310048 A1, WO8504159 A1, WO11097403 A1, WO10003141, WO06006942, WO05068371, WO05044733, WO04074187, WO04007953 A1, WO0220410 A1, WO0174721 A3, WO0146007 A1, WO0041971, US7445716 BB, US7425265 BB, US7422689 BB, US7381335 BB, US7371322 BB, US7294274 BB, US7192522 BB, US7144511 BB, US7135114 BB, US7081205 BB, US7067044 BA, US7023104 BB, US7008540 BA, US6991722 BB, US6969467 BA, US6955222 BB, US6890444 BA, US6800201 BB, US6767471 BB, US6702944 BB, US6663750 BA, US6656352 BB, US6485644 BB, US6475460 BA, US6406622 BA, US6391162 BA, US6348148 BA, US6251271 BA, US6221255 BA,

US6217782 BA, US6187200 BA, US6180012 BA, US6180012 B1, US6103125 A, US6083382 A, US6027649 A, US6010475 A, US5932074 A, US5919376 A, US5916441 A, US5914041 A, US5690829 A, US5650050 A, US5632890 A, US5626752 A, US5553456 A, US5552022 A, US5545320 A, US5505841 A, US5494577 A, US5451317 A, US5366635 A, US5348651 A, US5282979 A, US5254261 A, US5238559 A, US5229005 A, US5198116 A, US5192434 A, US5096583 A, US5084182 A, US5028329 A, US4952317 A, US4891140 A, US4849109 A, US4806244 A, US4801375 A, US4770775 A, US4702842 A, US4610792 A, US4594158 A, US4556488 A, US4526688 A, US4512886 A, US4504362 A, US4473476 A, US4431539 A, US4426322 A, US4414114 A, US4391676 A, US4341629 A, US4289626 A, US4288326 A, US4235678 A, US4231873 A, US4164854 A, US4116841 A, US4066551 A, US4002563 A, US3996131 A, US3986938 A, US3970564 A, US3968036 A, US3943057 A, US3943054 A, US3930958 A, US3904519 A, US3883412 A, US3655051 A, US3608730 A, US3552574 A, US3456802 A, US3171808 A, US3060119 A, US2008190849 AA, US2006144789 AA, US2005218074 AA, US2005123727 AA, US2005082214 AA, US2004108272 AA, US2004084156 AA, US2004007881 AA, US2003173282 AA, US2003141250 AA, US2003111402 AA, US2003052054 AA, US2002189987 AA, US2002162784 AA, US2002134724 AA, US2002038782 AA, US2002003111 AA, SU422425 T, SU2119377, RU2119377 C1, JP9123997, JP9085243, JP8168653, JP60034785, JP59177189, JP59127690, JP59066391, JP59059284, JP58124584, JP58124579, JP58098182, JP55073387, JP54116382, JP5052802, JP4290945, JP4283798, JP4160301, JP4098065, JP2254066, JP2204911, JP1017838, GB2256377 A1, GB1441014 A, GB1390418 A, GB1148295 A, GB1141138 A, GB1135132 A, EP1350766 A1, EP0970018 B1, EP0968755 A3, EP0593687 B1, DE4107099 A1, DE4036658 A1, DE2917058 C2, DE19801174 A1, DE19734981 A1, DE19508821 A1, DE102006002314, DE102004010017, CN1654342 A,

Forward Citations: WO17049290, WO16138494, WO16057717, WO15085263, US9440167, US9212074, US9164062, US8999162, US8519559, US2015298063, US2014275690, US2014131273, US2014054219, US2013238133, US2012145611, US2011121574, US2011114561, US2011114560, JP2014526865, EP2914368,

Abstract:
Source: US2011186513A Water treatment systems and methods are provided to minimize membrane fouling and the required maintenance that results therefrom. A water treatment system includes a pressure vessel with a plurality of spaced−apart membranes disposed therein, and an impeller or other means for circulating feed water through the interior of the vessel and past the membranes. Antifouling particles (such as diatomaceous earth or activated carbon) and/or pellets can be added to the feed water inhibit membrane fouling and extend the useful life of the membranes.

0) US3485162A – BEVERAGE PREPARATION AND DISPENSING APPARATUS

145) Family number: 89708 (US3485162A) © PatBase

Title: BEVERAGE PREPARATION AND DISPENSING APPARATUS

Priority: US19680717809 19680401

Family:

Publication number	Publication date	Application number	Application date
BE730747 A	19690901		19690331
CH501551 A	19710115	CH19690004963	19690401
DE1916774 A1	19691030	DE19691916774	19690401
FR2005312 A1	19691212	FR19690009854	19690401
GB1252988 A	19711110		19690328
NO125426 B	19720911	NO19690001337	19690331
US3485162 A	19691223	US19680717809	19680401

Probable Assignee: UNIVERSAL OIL PROD CO

Assignee(s):(std)**:** UNIV OIL PRODUCTS CO ; UNIVERSAL OIL PROD CO ; UNIVERSAL OIL PRODUCTS CO

Assignee(s): UNIVERSAL OIL PRODUCTS COMPANY ; UNIVERSAL OIL PRODUCTS ; PTC AEROSPACE INC

Inventor(s):(std)**:** CHARLES HOPKINSON WILLIAM ; HOPKINSON WILLIAM C ; PECORARO RALPH R ; WILLIAM CHARLES HOPKINSON ; RALPH RUDOLPH PECORARO ; PECORARO R ; HOPKINSON W ; RUDOLPH PECORARO RALPH

Inventor(s): WILLIAM C HOPKINSON ; RALPH R PECORARO

International class(IPC 8–9)**:** A47J31/36 A47J31/40 A47J31/50 (Advanced/Invention); A47J31/24 A47J31/40 A47J31/44 (Core/Invention)

International class(IPC 1–7)**:** A47J31/00 A47J31/40 A47J31/46 B67D1/00 B67D5/02 B67D5/56

CPC: A47J31/3695 A47J31/50

European class: A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/50

US class: 99/283 99/302R 992/830

Classification Explorer

Cited documents: US3403617 A, US3334571 A, US2996975 A, US2464862 A,

Forward Citations: WO9107898, US9629492, US9307856, US7861644, US5259297, US5186096, US4653389, US4583450, US2013233175, US2013036914, US2007272085, TWI510210, GB2260755, GB2260755, EP0228760, EP0228760, CN102670071, AU648273,

Abstract:
Source: US3485162A 1,252,988. Beverage dispenser. UNIVERSAL OIL PRODUCTS CO. March 28, 1969 [April 1, 1968], No.16390/69. Heading A4T. In a beverage dispenser water at 28 is pumped at 30 to a cold tap via 31, and via 32 to a boiler 33 leading to solenoid valve L2 and hot water nozzle 38 and to a solenoid valve L1 from which it can pass via piercer 13 perforating a coffee canister 3, via bottom holes formed by piercer 14 on a releasable canister support 7, 2 and thence into a tank 17, via funnel openings 16, 25, from which it is dispensed via tap 19. The tank is removable and cleanable with a lid 20 latched at 21, 22, the latter inter–connecting the electric probes P1, P2 to a relay control circuit 43 for the pump and valve L1. The pump can only refill the tank on momentarily pressing a switch if the tank low level is below P2, and the filling is stopped when the level is above P1, the circuit being formed from the probe via the beverage to the tank which is earthed. The canister 3 must also be in position and held by latch 7, 10 to close switch 40 before the tank can be filled.

146) Family number: 22798951 (US3206033A) © PatBase

Title: LIQUID DISPENSER FOR THE PURIFICATION AND FILTRATION OF WATER

Priority: US19620181712 19620322

Family:

Publication number	Publication date	Application number	Application date
US3206033 A	19650914	US19620181712	19620322

Probable Assignee: MET PRO INC

Assignee(s):(std)**:** MET PRO INC

Inventor(s):(std)**:** KERN JR NORMAN

Inventor(s): JR NORMAN KERN

International class (IPC 8–9)**:** B01D35/027 C02F1/68 (Advanced/Invention); B01D35/00 C02F1/68 (Core/Invention)

International class (IPC 1–7)**:** B01D35/02 C02B1/00

CPC: B01D35/027 C02F1/686

European class: 13B19 B01D35/027 C02F1/68P2

US class: 210/172.2 210/249 210/482 210/484 55/522

Classification Explorer

Cited documents: US880685 A, US3132501 A, US3123445 A, US2966960 A, US2694743 A, US2597217 A, US2288426 A, US2060320 A, US1140726 A, DE809796 A,

Forward Citations: WO08049547, WO08049547, US8480893, US8372278, US8354023, US8252180, US8202419, US8202418, US7413653, US5662792, US4660741, US3601225, US3295686, US2010051532, US2009283467, US2009266757, US2009248285, US2009242473, US2007045169, JP2010507418,

Abstract:
Source: US3206033A (Claim 1) I claim: A dispenser for filtering out turbidity from liquids comprising a container having a bottom, a selectively operable valve means coupled through said container adjacent said bottom, a filter unit within said container, said unit having overlying and spaced apart top and bottom imperforate walls, said bottom wall including a centrally disposed cup–shaped hollow portion depending therefrom, an outer annular filter between said top and bottom walls, a central core filter between said top and bottom walls, said cup–shaped hollow portion defining an outlet chamber below said central core filter, said cupshaped portion spacing said filter unit from said bottom of said container and above sediment thereof thereby allowing liquid to percolate radially inwardly through said filter unit to the outlet chamber, conduit means communicating between said outlet chamber and valve means, said conduit means being a rigid conduit extending radially outwardly from said chamber to a threaded end engaging said valve means, a L–shaped bracket having one leg attached to said threaded end to bear against said container adjacent said valve means and another leg connected to a central portion of said top wall to counteract buoyant forces acting on said unit.

147) Family number: 34924998 (WO07082857A2) © PatBase

Title: HOUSEHOLD COFFEE ROASTER

Priority: DE200610002048 20060116 EP20070712033 20070115 WO2007EP50328 20070115

Family:

Publication number	Publication date	Application number	Application date
DE502007014225 D1	20151029	DE200750014225T	20070115
EP1978856 A2	20081015	EP20070712033	20070115
EP1978856 B1	20150916	EP20070712033	20070115
WO07082857 A2	20070726	WO2007EP50328	20070115
WO07082857 A3	20070913	WO2007EP50328	20070115

Probable Assignee: BSH HAUSGERAETE GMBH

Assignee(s):(std)**:** BROSSMANN ANNA ; BSH BOSCH SIEMENS HAUSGERAETE ; BSH HAUSGERAETE GMBH ; NUESSLER GERHARD

Assignee(s): BSH BOSCH U SIEMENS HAUSGERAETE GMBH ; BSH BOSCH UND SIEMENS HAUSGERAETE GMBH

Inventor(s):(std)**:** BROSSMANN ANNA ; NUESSLER GERHARD

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A23F5/04 A23N12/12 A47J42/52 (Advanced/Invention); A23F5/00 A23N12/00 A47J42/00 (Core/Invention)

CPC: A23N12/08 A47J42/52

European class: A23N12/08 A47J42/52

Classification Explorer

Cited documents: US2003127455 AA, DE19902786 C1, DE10142297 A1,

Forward Citations: US9545169, EP1867235,

Abstract:
The invention relates to a household coffee roaster. The household coffee roaster is characterized in that it is a steam roaster, in particular in the manner of a fluid bed roaster.

0) US2007144606A – MANHOLE SKIRT ASSEMBLY AND KIT

148) Family number: 34192473 (US2007144606A) © PatBase

Title: MANHOLE SKIRT ASSEMBLY AND KIT

Priority: US20050237290 20050928 US20070701256 20070201

Family:

Publication number	Publication date	Application number	Application date
US2007144606 AA	20070628	US20070701256	20070201
US7171994 BA	20070206	US20050237290	20050928

Probable Assignee: O BRIEN PATRICK E

Assignee(s):(std)**:** O BRIEN PATRICK E

Inventor(s):(std)**:** O BRIEN PATRICK E

Inventor(s): O BRIEN PATRICK

Agent(s): CHARLES F MERONI JR; CHARLES F; MERONI AND MERONI PC; CHRISTOPHER J

International class (IPC 8–9): B65B1/04 (Advanced/Invention); B65B1/04 (Core/Invention)

CPC: B65D90/10 B65D90/24

European class: B65B69/00A B65D90/10 B65D90/24

US class: 141/311A 141/86 141/86P 404/25 405/52 52/20

Classification Explorer

Cited documents: US6840293 BA, US6655418 BA, US6374187 BA, US5975132 A, US5944361 A, US5882045 A, US5595456 A, US5595088 A, US5544974 A, US5372453 A, US5363093 A, US5271052 A, US5222832 A, US5114271 A, US5098221 A, US5058633 A, US4999900 A, US4958957 A, US4956957 A, US4871084 A, US4793387 A, US4770317 A, US4762440 A, US4717036 A, US4706718 A, US4685585 A, US4655361 A, US4615362 A, US4579155 A, US4527708 A, US4514931 A, US4501305 A, US2844121 A, US2004234338 AA, US2004200842 AA,

Forward Citations: WO12031173, US9617070, US9464401, US9435435, US9416516, US9228690, US8905673, US8833076, US8770889, US8684024, US8622097, US8425145, US8353142, US8156969, US8096439, US7975436, US2016122126, US2013233402, US2013160860, US2011243658, US2011192468, US2011089071, US2010276424, US2010108688, US2010050545, US2009223595, US2009084704,

Abstract:
Source: US2007144606A A manhole assembly is usable in combination with an underground tank assembly, and essentially comprises a double–walled, lid–supporting skirt assembly. The skirt assembly comprises inner and outer isolation walls. The inner isolation wall defines an inner manhole cavity and a moisture–directing, outer manhole channel. The outer manhole channel extends intermediate the inner isolation wall and the outer isolation wall. The outer manhole channel directs moisture from the superior skirt end adjacent a manhole lid supported by skirt assembly to the inferior skirt end thus isolating the inner manhole cavity from channel–directed moisture. The manhole assembly may further comprise a spring–actuable, lid–compressible collar assembly. It is contemplated that the collar assembly may be cooperable with the lid for selectively allowing matter to pass through the outer manhole channel depending on whether the lid is seated upon the collar assembly or removed therefrom.

0) US2009288246A – WATER CONSERVATION SYSTEM

149) Family number: 44043533 (US2009288246A) © PatBase

Title: WATER CONSERVATION SYSTEM

Priority: US20080055197P 20080522 US20090470481 20090521

Family:

Publication number	Publication date	Application number	Application date
US2009288246 AA	20091126	US20090470481	20090521
US8024823 BB	20110927	US20090470481	20090521
WO09143392 A1	20091126	WO2009US44921	20090521

Probable Assignee: SANAGHAN EDWARD J JR

Assignee(s):(std)**:** SANAGHAN EDWARD J JR ; SANAGHAN JR EDWARD J

Assignee(s): SANAGHAN EDWARD J

Inventor(s):(std)**:** SANAGHAN EDWARD J JR ; SANAGHAN JR EDWARD J

Inventor(s): SANAGHAN EDWARD J

Agent(s): NGUYEN AND TARBET; NGUYEN QUAN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47K4/00 E03B3/00 E03C1/00 E03D1/00 (Advanced/Invention); E03B3/00 E03D1/00 (Core/Invention)

CPC: E03D1/003 E03D1/01 E03D1/22

European class: E03D1/00B E03D1/01 E03D1/22

US class: 4/363 4/415 4/415P 4/661

Classification Explorer

Cited documents: US6823537 BA, US6317899 BA, US6019064 A, US5913610 A, US5522096 A, US5495624 A, US5487194 A, US5425146 A, US5347661 A, US5341529 A, US5303728 A, US4841578 A, US4371992 A, US4163293 A, US3995327 A, US3839744 A, US2009165198 AA, GB2062043 A1,

Forward Citations: US9554556, US2013319339, US2009288720, FR2995329,

Abstract:
Source: US2009288246A A water conservation system comprising a reservoir for storing water; a toilet water tank for storing water, the toilet water tank is disposed below the reservoir; and a tube fluidly connecting the reservoir and the tank, wherein the tube is configured such that a first end of the tube reaches near a bottom surface of the reservoir, a second end of the tube reaches near a bottom surface of the tank, and an elevated portion with a crest that is oriented above the first end.

0) US5128036A – WATER CONTAINER ASSEMBLY FOR USE ON A WATER STA...

150) Family number: 5074765 (US5128036A) © PatBase

Title: Water container assembly for use on a water stand

Priority: US19900589790 19900924

Family:

Publication number	Publication date	Application number	Application date
US5128036 A	19920707	US19900589790	19900924

Probable Assignee: SVENSSON RON

Assignee(s):(std)**:** SVENSSON RON

Inventor(s):(std)**:** SVENSSON RON

International class (IPC 8–9)**:** C02F1/00 (Advanced/Invention); C02F1/00 (Core/Invention)

International class (IPC 1–7)**:** B01D29/13

CPC: C02F1/003

European class: C02F1/00D4

US class: 210/264 210/265 210/282 210/416.3 210/474

Classification Explorer

Cited documents: US524827 A, US417703 A, US330404 A, US1917121 A, US1645712 A, US1629269 A,

Forward Citations: WO17112913, WO0230766, WO0230766, USD535352, USD501912, US8741137, US8128820, US8119012, US7922008, US7850859, US7749394, US7740766, US7740765, US7615152, US7232517, US6454941, US6405875, US6290847, US6254894, US6254768, US6227382, US6193886, US5772896, US5609759, US5562824, US5273649, US2012091070, US2011220592, US2007295667, US2006226064, US2005139540, US2004134932,

Abstract:
Source: US5128036A A water container assembly for drinking water includes a purifying unit located at the top of a container and mounted within the container. The purifying unit includes at least one filter having an outlet which communicates with the interior of the container. Water may be placed in the top of the purifying unit and then be purified as it passes through the filter and is discharged into the container.

0) US4329215A – SODIUM HYPOCHORITE PRODUCTION AND STORAGE SYSTE...

151) Family number: 8560533 (US4329215A) © PatBase

Title: Sodium hypochorite production and storage system

Priority: US19800159055 19800613

Family:

Publication number	Publication date	Application number	Application date
US4329215 A	19820511	US19800159055	19800613

Probable Assignee: SCOVILLE FRANK

Assignee(s):(std)**:** SCOVILLE FRANK

Inventor(s):(std)**:** SCOVILLE FRANK

International class (IPC 8–9)**:** C02F1/467 C25B1/26 C25B15/08 (Advanced/Invention); C02F1/42 C02F9/00 (Advanced/Non–invention)

International class (IPC 1–7)**:** C25B15/08 C25B9/00

CPC: C02F1/4674 C02F9/00 C02F2001/425 C02F2103/42 C02F2201/46125 C02F2201/4618 C02F2209/02 C02F2209/06 C02F2209/29 C02F2303/04 C25B1/26 C25B15/08

European class: C02F1/467B2 C25B1/26 C25B15/08 M02F1/42D M02F103/42 M02F201/461B12 M02F201/461B6B M02F209/02 M02F209/06 M02F209/29 M02F303/04 M02F9/00

US class: 204/228.2 204/228.6 204/229 204/229.2 204/258 204/266

Classification Explorer

Cited documents: US4196068 A, US4144161 A, US4136005 A, US4129493 A, US3210262 A, US2701790 A, US1319734 A,

Forward Citations: WO9813303, WO16009166, WO11050901, WO08045951, WO08045951, WO08035868, WO08032947, WO08032946, WO07057940, WO07057940, WO06077016, WO03023089, WO0222506, US9445602, US9422175, US9370590, US9238586, US9005454, US8617403, US8518270, US8394253, US8366939, US7906005, US7128879, US6805787, US6428697, US5425863, US4724059, US4693806, US2016044926, US2016024667, US2015014251, US2012121731, US2011135562, US2011100927, US2010140170, US2010078331, US2008116144, US2008017519, US2005084411, US2005072687, US2004045838, US2003066758, KR100736155, KR100706215, KR100706118, FR2865479, EP3103772, EP2657193, EP0909739, EP0832850, DE102012103609, DE102005004063, CN103241713, CN103241713,

Abstract:
Source: US4329215A System for the production and storage of sodium hypoclorite consisting of a source of soft or deionized water, a storage tank of saturated salt brine solution, a storage tank for soft or deionized water, an electrolytic chlorine generation unit wherein the saturated salt and soft water from the storage tanks react at the anode and cathode respectively to produce chlorine gas and sodium hydroxide as the main products, means for mixing chlorine and sodium hydroxide to form sodium hypochlorite and a storage tank where the sodium hypoclorite is stored. Pumps or valves for transport of the saturated salt brine and the soft water to the electrolytic unit, piping or tubing for intermixing the chlorine gas and sodium hydroxide, float valves or other valve devices in the storage tank to regulate the volume input are also included as part of the system. A power unit regulates the flow of liquids through the system and operates the electrolytic chlorine generation unit.

0) US2004040598A – RAINWATER RECOVERY SYSTEM

152) Family number: 30348028 (US2004040598A) © PatBase

Title: RAINWATER RECOVERY SYSTEM

Priority: US20020407162P 20020830 US20030651570 20030829 US20060395989 20060331 US20070929150 20071030

Family:

Publication number	Publication date	Application number	Application date
US2004040598 AA	20040304	US20030651570	20030829
US2006169320 AA	20060803	US20060395989	20060331
US2008149188 AA	20080626	US20070929150	20071030
US7025076 BB	20060411	US20030651570	20030829

Probable Assignee: CHARLES RIVER WATERSHED ASSOCIATION

Assignee(s):(std)**:** ANTOCCI JOSEPH ; CHARLES RIVER WATERSHED ASS ; PICKERING NIGEL ; ZIMMERMAN ROBERT L JR

Assignee(s): ZIMMERMAN ROBERT L ; CHARLES RIVER WATERSHED ASSOCIATION

Inventor(s):(std)**:** ANTOCCI JOSEPH ; PALOIAN MICHAEL ; PICKERING NIGEL ; ZIMMERMAN JR ROBERT L ; ZIMMERMAN ROBERT L ; ZIMMERMAN ROBERT L JR

Inventor(s): ZIMMERMAN ROBERT LJR ; ZIMMERMAN ROBERT ; ZIMMERMAN ; JR ROBERT L

Agent(s): CHOATE HALL AND STEWART LLP

International class (IPC 8–9): E03B1/04 E03B3/02 E04D13/04 E04D13/08 E04D3/04 (Advanced/Invention); E04D13/04 (Advanced/Non–invention); E03B1/00 E03B3/00 E04D13/04 (Core/Invention)

International class (IPC 1–7): E04D13/04

CPC: Y10T137/0318 Y10T137/402 Y10T137/474 Y10T137/6969 Y10T137/85978 E03F1/005 E03B3/03 E03B1/042 E03B1/04 E03B2001/047 E04D13/08 E04D2013/0495 E04D2013/0853

European class: E03B1/04 E03B1/04B2 E03B3/03 E03F1/00B4 E04D13/08 P03B1/04B22 P04D13/04B80 P04D13/08L

US class: 137/1 137/236.1 137/236.100P 137/259 137/357 137/565.01 405/36 405/53

Classification Explorer

Cited documents: US7040340 BB, US6976594 BA, US6491054 BA, US6405882 BA, US6386381 BB, US6379541 BA, US6355160 BA, US6349506 BA, US6319408 BA, US6299775 BA, US6241881 BA, US6190545 BA, US6171507 BA, US6171507 B1, US6095718 A, US6086756 A, US6077423 A, US5896883 A, US5848856 A, US5810510 A, US5770057 A, US5531888 A, US5516232 A, US5407562 A, US5249885 A, US5234286 A, US5072884 A, US5059330 A, US5004536 A, US4989741 A, US4934404 A, US4917536 A, US4838449 A, US4812237 A, US4689145 A, US4193510 A, US4050605 A, US3750886 A, US2292764 A, US2002057944 AA, US2002025226 AA, US2001047954 AA, DE3910848 A1, DE3819330 A1,

Forward Citations: WO09100467, WO09039449, WO08022411, USRE45385, US9534358, US9522784, US9279237, US9194540, US8974664, US8950428, US8857730, US8813779, US8640387, US8623200, US8597522, US8561633, US8496810, US8496023, US8448403, US8216479, US8191307, US8141322, US8034238, US8021543, US7971602, US7721491, US7661904, US7534070, US7485221, US7473373, US7395633, US7341670, US7207748, US7080662, US7080662, US2016031645, US2015181813, US2015016874, US2014352809, US2013233443, US2012325923, US2012128423, US2012017996, US2012006412, US2012000546, US2012000537, US2011315253, US2011114748, US2011099919, US2011024341, US2011023967, US2011017301, US2011005602, US2010263295, US2010243577, US2010193052, US2010187188, US2010122944, US2010037962, US2010018911, US2009285632, US2009166275, US2009133754, US2009050215, US2008175668, US2008128030, US2008110505, US2008087591, US2008047886, US2006273046, US2006101723, US2006016141, TWI424362, ITBO20130708, FR2936822, FR2932824, CN103215937, CN103215937, CN103161266, CN101858107, AU2007211946,

Abstract:
Source: US2004040598A A system and method for restoring the natural water cycle by reducing stormwater runoff and addressing issues affecting groundwater supply. In one embodiment of the invention, the system comprises a roof washer component, cistern component, pump, and manufactured dry well. The system is designed to divert polluted rooftop runoff, capture clean rooftop runoff and store this clean water for irrigation purposes and nonpotable uses, while infiltrating excess water to recharge groundwater supplies thereby replicating the natural hydrologic cycle.

153) Family number: 60580690 (US2017164597A) © PatBase

Title: IMPROVED TERMITE MONITORING AND CONTROL APPARATUS AND METHODS OF USING SAME

Priority: AU20140901248 20140407 AU20140901248 20140704 AU20140904179 20141020 AU20140904202 20141021 AU20140904920 20141205 WO2015AU00199 20150402

Family:

Publication number	Publication date	Application number	Application date
AU2015245929 AA	20151015	AU20150245929	20150402
EP3128835 A1	20170215	EP20150777062	20150402
US2017164597 AA	20170615	US20150301841	20150402
WO15154127 A1	20151015	WO2015AU00199	20150402

Probable Assignee: PEST IP PTY LTD

Assignee(s):(std)**:** PEST IP PTY LTD

Inventor(s):(std)**:** BROWN PETER ALEXANDER ; RYAN GARRY JOSEPH JAMES

Agent(s): SHELSTON IP PTY LTD; DUMMETT COPP LLP; SHELSTON IP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01M1/02 A01M1/20 A01M25/00 (Advanced/Invention)

CPC: A01M2200/011 G08B21/18 A01M1/026 A01M1/2011 H04W4/008

Classification Explorer

Cited documents: US6266918 BA, US5921018 A, US5877422 A, US5571967 A, US2005190063 AA,

Forward Citations: WO17083916, ES2603260,

Abstract:
Source: US2017164597A An improved termite monitoring and detection system which in the preferred form utilises a first bulk attractant and a second smaller portion of attractant, whereupon consumption of the smaller portion activates a short travel biased trigger mechanism to create a detection signal without disturbing the termites as they continue to consume the bulk attractant. A variety of electronic and electrical features are optionally included which facilitate remote monitoring, optional remote application of termiticide and multi–party interfacing. The system also enables third party bulk collection of termite activity data and provides a system which ensures compliance with agreed monitoring and treatment protocols.

154) Family number: 65808264 (WO17087032A1) © PatBase

Title: POLYMERIC SUBSTRATE WITH A SURFACE HAVING REDUCED BIOMOLECULE ADHESION, AND THERMOPLASTIC ARTICLES OF SUCH SUBSTRATE

Priority: US20150255555P 20151116 US20150257266P 20151119 US20150257269P 20151119 US20160320246P 20160408

Family:

Publication number	Publication date	Application number	Application date
WO17087032 A1	20170526	WO2016US37674	20160615

Probable Assignee: SIO2 MEDICAL PRODUCTS INC

Assignee(s):(std)**:** SIO2 MEDICAL PRODUCTS INC

Inventor(s):(std)**:** FELTS JOHN T ; TAHA AHMAD

Agent(s): WHEELER GEORGE F

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B01L3/00 C08J7/12 (Advanced/Invention); C08J7/18 (Advanced/Non–invention)

CPC: C08J7/123 B01L3/50855 B01L2300/0829 C08J7/18 C08J2300/22 C08J2323/12

Classification Explorer

Cited documents: WO13071138 A1, US7985188 BB, US7399500 BB, US6828028 BA, US6068884 A, US4844986 A, US2014004022 AA, US2013209766 AA, US2006046006 AA, US2004267194 AA, US2004062882 AA, EP2251452 A2, EP1859866 A1, DE10066431 B4,

Abstract:
A substrate is described having a treated contact surface comprising a carbon or silicon compound comprising from 1 to 30 atomic percent oxygen, from 0.1 to 30 atomic percent nitrogen, or both, each as measured by XPS. The treated contact surface has a biomolecule recovery percentage greater than the biomolecule recovery percentage of the surface before treatment according to the method.

0) US5409025A – APPARATUS AND METHOD FOR CLEANING UNDERGROUND L...

155) Family number: 11882004 (US5409025A) © PatBase

Title: Apparatus and method for cleaning underground liquid fuel storage tanks

Priority: US19930132717 19931006

Family:

Publication number	Publication date	Application number	Application date
US5409025 A	19950425	US19930132717	19931006

Probable Assignee: SEMLER IND INC

Assignee(s):(std)**:** SEMLER IND INC

Assignee(s): SEMLER INDUSTRIES INC ; SEMLER IND

Inventor(s):(std)**:** CLEGG JON ; PALM JOSEPH ; SCHULZ WILLIAM E ; SEMLER LOREN H

International class (IPC 8–9)**:** B01D36/00 B08B9/08 B08B9/093 (Advanced/Invention)

International class (IPC 1–7)**:** B08B9/12

CPC: B01D36/001 B08B9/08 B08B9/0933

European class: B01D36/00D B08B9/08 B08B9/093B

US class: 134/111 134/166R 134/169R 134/172

Classification Explorer

Cited documents: US868901 A, US787389 A, US5087294 A, US5079799 A, US5065789 A, US4838768 A, US4592378 A, US4578198 A, US4426233 A, US4243446 A, US4015613 A, US3808631 A, US3428257 A, US3245420 A, US2910077 A, US2647639 A, US1552998 A, US1545896 A, JP62115588 A2, GB2179244 A1,

Forward Citations: WO9633820, WO03039774, WO03004181, US9175548, US8753451, US6729338, US6637442, US6425408, US6058949, US5979471, US5776257, US2011094539, US2006037919, US2005121076, US2002144716, FR2809974, ES2241444, EP2390013, CN103624042, CN103624042, CN102225411,

Abstract:
Source: US5409025A An apparatus and method are disclosed for cleaning and removing particulates from underground liquid fuel storage tanks which typically have restricted access openings to the interior thereof. The apparatus is provided with a main fuel pump having an inlet and outlet, an inflow passage communicating with the pump inlet for conducting fuel to the pump from an underground liquid storage tank, and an outflow passage communicating with the pump outlet for returning fuel from the pump to the same underground tank. The inflow passage is provided with protective strainer and a jet pump for increasing and maintaining the rate and velocity of fuel flowing therethrough to the main pump. The method of the present invention involves the steps of first dislodging, suspending, and removing particulates from the tank by withdrawing the fuel and suspended particulates from the tank through an outer passage of a coaxial hose, filtering the particulates from the fuel, and discharging filtered fuel back into the tank through an inner passage of the coaxial hose at a high velocity to dislodge and suspend particulates in the tank into the fuel.

156) Family number: 4767396 (US5049270A) © PatBase

Title: Filter apparatus having liquid control mechanism

Priority: US19890405539 19890907

Family:

Publication number	Publication date	Application number	Application date
US5049270 A	19910917	US19890405539	19890907

Probable Assignee: CUNO INC

Assignee(s):(std)**:** CUNO INC

Assignee(s): MELLON BANK NA

Inventor(s):(std)**:** CARRANO THOMAS P ; PETRUCCI RAYMOND M

International class (IPC 8–9)**:** B01D61/08 B01D61/10 G05D9/02 (Advanced/Invention); B01D61/02 G05D9/00 (Core/Invention)

International class (IPC 1–7)**:** B01D27/00 B67D5/00

CPC: B01D61/08 B01D61/10 G05D9/02

European class: B01D61/08 B01D61/10 G05D9/02

US class: 141/212 141/248 141/35 210/121 210/248 210/282 210/323.1 210/335 222/67

Classification Explorer

Cited documents: US575172 A, US4880535 A, US4735716 A, US4683054 A, US4312754 A, US4258758 A, US3950253 A, US2886071 A, US2670889 A, US1950682 A, US1081982 A,

Forward Citations: USD501912, US9249038, US8413694, US8376088, US8119012, US7922008, US7850859, US7749394, US7740766, US7740765, US7736504, US7658846, US7617939, US7615152, US6561234, US6354344, US6003569, US5690822, US2012222999, US2010230003, US2009301604, US2008237109, US2007151919, US2005173319, US2004251192, US2004060850, GB2330354, GB2330354,

Abstract:
Source: US5049270A A filter apparatus is used to filter tap water and to automatically fill two containers. This apparatus includes a filter subassembly, a housing subassembly, a water control subassembly, and first and second containers. The water control subassembly includes a center see–saw chute receiving filtered water from a supply line from the filter subassembly, and includes a left pivoted chute and a right pivoted chute, each receiving a selectively directed water stream from the center chute. Each pivoted chute has a float at one end thereof, in contact with the water in its respective container when about full. An upward force from its container water pivots each left and right chute, when the container is about full, causing the respective water stream to be redirected in the opposite direction along its chute to a reservoir and drain line. In a preferred embodiment, first chute has a cam surface, which bears against a surface on the center chute, thereby pivoting the center chute, and redirecting the water stream to the right chute.

0) US5001022A – LEAD–ACID STORAGE BATTERY AND RELATED METHOD OF...

157) Family number: 3404355 (US5001022A) © PatBase

Title: Lead–acid storage battery and related method of construction

Priority: US19890443742 19891130 WO1990US06829 19901129

Family:

Publication number	Publication date	Application number	Application date
AU199172525 A1	19910626	AU19910072525	19901129
US5001022 A	19910319	US19890443742	19891130
WO9108596 A1	19910613	WO1990US06829	19901129

Probable Assignee: CAL TEC CORP

Assignee(s):(std): CAL TEC CORP

Assignee(s): CAL TEC CORP 4900 5TH STREET HIGHWAY TEMPLE PA 195

Inventor(s):(std): WHEADON ELLIS G

Inventor(s): ELLIS G WHEADON

Designated states: AT AU BE BR CA CH DE DK ES FR GB GR IT JP KR LU NL SE

International class (IPC 8–9): H01M10/12 H01M10/34 H01M2/28 (Advanced/Invention); H01M10/06 H01M10/34 H01M2/26 (Core/Invention)

International class (IPC 1–7): H01M10/14

CPC: H01M2/28 H01M10/12 H01M10/125 H01M10/342 Y02E60/126

European class: H01M10/12 H01M10/12D H01M10/34B H01M2/28 Y02E60/12F

US class: 429/161 429/53 429/94

Classification Explorer

Cited documents: US940288 A, US3904433 A, US316409 A, US1369931 A,

Forward Citations: WO0055932, US5668349, EP0887873, EP0887873, EP0664054, EP0664054,

Abstract:
Source: US5001022A A lead acid cell having unitized positive and negative electrodes positioned within a container such that the respective edges of the positive electrode are spaced apart from the edges of negative electrode. The electrodes are each made up of at least one plate having a major surface with a composition thereon for imparting a negative or positive polarity. The plates of each electrode have first and second edges in which the second edges are connected to an associated current collector and the first edges of each electrode oppose each other in spaced apart relation.

0) US2011024418A – TANK LID LIFTER AND METHODS

158) Family number: 48236356 (US2011024418A) © PatBase

Title:	TANK LID LIFTER AND METHODS
Priority:	US20090512857 20090730

Family:

Publication number	Publication date	Application number	Application date
US2011024418 AA	20110203	US20090512857	20090730

Probable Assignee:	SPOKANE IND INC
Assignee(s):(std):	SPOKANE IND INC
Assignee(s):	SPOKANE INDUSTRIES INC ; WELLS FARGO BANK NATIONAL ASSOCIATION
Inventor(s):(std):	BATSON NATHAN S
Agent(s):	HOLLAND AND HART
International class (IPC 8–9):	B65D55/00 (Advanced/Invention)
CPC:	B65D90/585 B65D90/66 B65D2590/664
European class:	B65D90/58A2 B65D90/66 L65D590/66B
US class:	220/211

Classification Explorer

Cited documents:	US8052006 BB, US7658570 BB, US6920994 BB, US6902082 BB, US6884325 BA, US6883676 BB, US6105805 A, US6053348 A, US5586678 A, US5531541 A, US4384662 A, US3708085 A, US3666135 A, US3563156 A, US3262227 A, US2826421 A, US2423909 A, US2271411 A, US2217124 A, US2195033 A, US2038517 A, US2009145904 AA, US2008296302 AA, US2008078127 AA, US2005166458 AA, US2002166759 AA, US1990605 A, US1508894 A, US1494745 A, US1487518 A, US1473162 A, US1461253 A, US1399759 A, US1324667 A, US1028499 A,
Forward Citations:	WO14182671, US9381550, US9145538, US2017081905, US2012000917, CN103496529, CN103496529, CN103496528,

Abstract:
Source: US2011024418A A tank assembly including a tank, a lid, and an actuator assembly. The tank defines a tank volume and has an opening defined therein. The lid is sized to cover the opening in sealing engagement with the tank. The actuator assembly includes a first actuator arrangement and a second actuator arrangement. The first actuator arrangement is configured to move the lid into and out of sealing engagement with the tank. The second actuator arrangement is configured to move the lid between a first position in alignment with the opening, and a second position removed from alignment with the opening to permit access into the opening.

159) Family number: 51102161 (CA2773078A) © PatBase

Title: MACHINE FOR THE PREPARATION OF BEVERAGES

Priority: CA20042513891 20040123 CA20042773078 20040123 GB20030001747 20030124 CA20122513891 20120416

Family:

Publication number	Publication date	Application number	Application date
CA2773078 AA	20040805	CA20042773078	20040123
CA2773078 C	20130813	CA20042773078	20040123

Probable Assignee: KRAFT FOODS R AND D INC

Assignee(s):(std)**:** KRAFT FOODS R AND D INC

Assignee(s): PANESAR SATWINDER ; SMITH DAVID ; BALLARD COLIN ; DOUWE EGBERTS BV KONINKLL ; HALLIDAY ANDREW

Inventor(s):(std)**:** BALLARD COLIN ; HALLIDAY ANDREW ; PANESAR SATWINDER ; SMITH DAVID

Agent(s): MCFADDEN FINCHAM; MCFADDEN FINCHAM INC; OSLER HOSKIN AND HARCOURT LLP

International class (IPC 8–9): A47J31/06 A47J31/36 A47J31/40 A47J31/44 (Advanced/Invention)

CPC: A47J31/56 A47J31/0673 A47J31/369 A47J31/3695 A47J31/4492

European class: A47J31/06L A47J31/06P4B A47J31/36B4D A47J31/36B4D2 A47J31/44H A47J31/56

Classification Explorer

Abstract:
Source: CA2773078A A low pressure beverage preparation system comprising a beverage preparation machine and a plurality of beverage cartridges, each beverage cartridge containing one or more beverage ingredients, wherein the beverage preparation machine comprises processing means and a memory for storing information about the beverage cartridges dispensed by the beverage preparation machine, wherein one or more operating parameters of the beverage preparation machine during dispensing of a second beverage cartridge are settable with reference to information stored in the memory on the type of a first beverage cartridge.

0) US2015238044A – MACHINE FOR THE PREPARATION OF BEVERAGES

160) Family number: 60168130 (US2015238044A) © PatBase

Title: MACHINE FOR THE PREPARATION OF BEVERAGES

Priority: GB20030001702 20030124 US20030462538P 20030411 US20120690905 20121130 US20120399423 20120217 US20090631058 20091204 US20040763680 20040123 US20150644921 20150311 US20140165108 20140127

Family:

Publication number	Publication date	Application number	Application date
US2015238044 AA	20150827	US20150644921	20150311

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std)**:** SMITH DAVID ; HALLIDAY ANDREW ; PANESAR SATWINDER ; BALLARD COLIN

Assignee(s): DOUWE EGBERTS BV KONINKLL ; KRAFT FOODS R AND D INC

Inventor(s):(std)**:** BALLARD COLIN ; HALLIDAY ANDREW ; PANESAR SATWINDER ; SMITH DAVID

International class (IPC 8–9): A47J31/06 A47J31/40 A47J31/44 A47J31/56 B65D81/00 B65D85/804 (Advanced/Invention); B67D1/00 (Advanced/Non–invention)

CPC: A47J31/407 A47J31/4407 A47J31/446 A47J31/56 B67D2001/0812 B65D85/8043 A47J31/4492 B65D43/02

US class: 99/283

Classification Explorer

Cited documents: US7591217 BB, US6399127 BA, US6009792 A, US5649472 A, US5353692 A, US5086818 A, US4495404 A, US3878360 A, US3858494 A, US2003167928 AA, US2003159589 AA, US2003033938 AA, US2002152895 AA,

Abstract:
Source: US2015238044A A beverage preparation machine for dispensing beverages from beverage cartridges containing one or more beverage ingredients, the beverage preparation machine comprising means for receiving, in use, a beverage cartridge and means for passing water through the beverage cartridge to thereby produce a beverage, the beverage preparation machine further comprising a code reader for interpreting a code provided on or in the beverage cartridge.

0) CA2911766A – A METHOD AND SYSTEM UTILIZING TWO BEVERAGE CART...

161) Family number: 61034918 (CA2911766A) © PatBase

Title: A METHOD AND SYSTEM UTILIZING TWO BEVERAGE CARTRIDGES FOR PREPARATION OF FIRST AND SECOND PORTIONS OF A BEVERAGE

Priority: CA20042805014 20040123 CA20152805014 20151118 GB20030001738 20030124 GB20030001745 20030124 GB20030001739 20030124

Family:

Publication number	Publication date	Application number	Application date
CA2911766 AA	20040805	CA20042911766	20040123

Probable Assignee: KRAFT FOODS R AND D INC

Assignee(s):(std)**:** KRAFT FOODS R AND D INC

Assignee(s): BALLARD COLIN ; DOUWE EGBERTS BV KONINKLL ; GOMEZ MARIA ; HALLIDAY ANDREW ; PANESAR SATWINDER

Inventor(s):(std)**:** BALLARD COLIN ; GOMEZ MARIA ; HALLIDAY ANDREW ; PANESAR SATWINDER

Agent(s): OSLER HOSKIN AND HARCOURT LLP

International class (IPC 8–9)**:** A47J31/06 A47J31/36 A47J31/40 A47J31/44 B65D81/00 B65D85/72 B65D85/804 (Advanced/Invention); B67D1/00 (Advanced/Non–invention)

CPC: B65D85/8043 A47J31/0673 A47J31/3695 A47J31/4492 B67D2001/0812

Classification Explorer

Abstract:
Source: CA2911766A A method of preparing a beverage comprising the steps of: a) inserting a first beverage cartridge containing one or more beverage ingredients into a beverage preparation machine; b) operating the beverage preparation machine to pass an aqueous medium through the first beverage cartridge to dispense a first portion of the beverage into a receptacle; c) inserting a second beverage cartridge containing one or more beverage ingredients into the beverage preparation machine; and d) operating the beverage preparation machine to pass an aqueous medium through the second beverage cartridge to dispense a second portion of the beverage into the receptacle. One of the first or second beverage cartridges contains a liquid dairy–based ingredient.

162) Family number: 61780373 (CA2920245A) © PatBase

Title: CARTRIDGE AND METHOD FOR THE PREPARATION OF BEVERAGES

Priority: CA20042780774 20040123 CA20162780774 20160223 GB20030001738 20030124 GB20030001745 20030124 GB20030001739 20030124

Family:

Publication number	Publication date	Application number	Application date
CA2920245 AA	20040805	CA20042920245	20040123

Probable Assignee: KRAFT FOODS R AND D INC

Assignee(s):(std)**:** KRAFT FOODS R AND D INC

Assignee(s): PANESAR SATWINDER ; BALLARD COLIN ; GOMEZ MARIA ; HALLIDAY ANDREW

Inventor(s):(std)**:** BALLARD COLIN ; GOMEZ MARIA ; HALLIDAY ANDREW ; PANESAR SATWINDER

Agent(s): OSLER HOSKIN AND HARCOURT LLP

International class(IPC 8–9)**:** A47J31/00 A47J31/06 A47J31/24 A47J31/36 A47J31/40 B65B43/42 B65D81/00 B65D85/804 (Advanced/Invention); B67D1/00 (Advanced/Non–invention)

CPC: B65D85/8043 A47J31/0673 A47J31/3695 A47J31/4492 B67D2001/0812

Classification Explorer

Abstract:
Source: CA2920245A A method of dispensing a beverage from a cartridge containing one or more liquid beverage ingredients during an operating cycle, comprising the steps of passing an aqueous medium through the cartridge to form a beverage by dilution of the one or more beverage ingredients, controlling the rate of dilution of the one or more beverage ingredients, and dispensing the beverage into a receptacle, wherein the one or more liquid beverage ingredients is foamed on dispense to a ratio of between 20 and 150 percent.

0) US2361644A – HEATING AND COOKING APPARATUS

163) Family number: 22476834 (US2361644A) © PatBase

Title:	HEATING AND COOKING APPARATUS
Priority:	US19430472063 19430111

Family:

Publication number	Publication date	Application number	Application date
US2361644 A	19441031	US19430472063	19430111

Probable Assignee:	JOHN H MUELLER
Assignee(s):(std):	JOHN H MUELLER ; MORITZ L MUELLER
Inventor(s):(std):	MUELLER MORITZ L
International class (IPC 8–9):	F24D5/00 (Advanced/Invention); F24D5/00 (Core/Invention)
International class (IPC 1–7):	F24B1/18 F24D5/04
CPC:	F24D5/00
European class:	F24D5/00
US class:	126/110R 126/6 126/8 237/19 237/2R 237/55

Classification Explorer

Forward Citations: US4748968, US4253444, US3344737, US2481861, US2006242870, FR2468841,

Abstract:
Source: US2361644A 1, A combination heating and cooking system for B. building to be occupied. by and for the comfort of human beings comprising a masonry chimney which extends upright from its base to and above the roof of the building and has an atmospheric discharge at its upper end, the lower part of said chimney being enlarged and having therein a combustion chamber and a. cooking oven disposed laterally of each other, fuel burning means associated with said combustion chamber and operable for generating heated products of combustion therein, 9, cooking top arranged above said oven, B. heat exchanger member extending longitudinally of and for a substantial portion of the–length of said chimney, said heat exchanger member and chimney providing at least part of a. path through which said products of combustion How on their way from said combustion chamber to said atmospheric discharge and a, separate path for the How of air in intimate heat exchange relationship with at least a. part of said combustion products path, means including an air blower operable to supply from thespace in said building and to one end of said air path, air tu be heated and under a pressure greater than that ot the products of combustion in said combustion products path, the other end of said air path having an outlet for discharging heated air into the space in said building during operation of said blower, flue passages below said cooking bop for conducting heated products of combustion from said combustion chamber in heat exchange relationship with said oven and said cooking top and having a lateral communication below the level of said cooking top and the lower end of said heat exchanger member with said combustion products path, 9. damper controlled by–pass between said combustion chamber and said combustion products_pa.th, and means for preventing the operation of said.air blower as aforesaid without interfering with the generation of heated products of combustion, and a relief vent at the upper end of said air path for automatically venting said air path externally of said space so asia dissipate from said heat exchanger member the heat absorbed thereby when said fuel burning means are operated for the purpose of heating said oven and cooking top without supplying heated air to said space.

0) US3227168A – CLEANING UNIT FOR PURE–PAK MACHINES

164) Family number: 23024136 (US3227168A) © PatBase

Title:	CLEANING UNIT FOR PURE–PAK MACHINES
Priority:	US19630293023 19630705

Family:

Publication number	Publication date	Application number	Application date
US3227168 A	19660104	US19630293023	19630705

Probable Assignee:	BONEWITZ CHEMICALS INC
Assignee(s):(std):	BONEWITZ CHEMICALS INC
Inventor(s):(std):	WIGHT ROBERT K
International class (IPC 8–9):	B67C3/00 (Advanced/Invention); B67C3/00 (Core/Invention)
International class (IPC 1–7):	B67C3/00
CPC:	B67C3/001 Y10T137/4807 Y10T137/85954
European class:	B67C3/00C
US class:	134/169R 134/186 137/263 137/563 141/91 220/23.87 220/566
Classification Explorer	
Cited documents:	US3094131 A, US2916406 A, US2872364 A, US2650601 A, US2392026 A, US2346056 A, US2223791 A, US1553428 A, US1194542 A,
Forward Citations:	WO07093884, US7837026, US3693640, US3430639, US2010147653, FR2460887, EP0962420, EP0885838,

Abstract:
Source: US3227168A (Claim 1) 1. Apparatus for use in cleaning the interior of a liquid dispensing machine having a storage tank and a plurality of depending dispensing heads disposed in a circular pattern, said apparatus comprising: a plurality of open–top troughs, each of said troughs being generally arcuate in top plan view and having closed ends, said troughs being engageable in end–to–end relationship to form an opentop liquid collection ring which, when assembled below the dispensing heads of the machine with which it is to be used, substantially completely encircles the machine and has a diameter about that of the circular pattern of the dispensing heads whereby cleaning solution flowing out of the dispensing heads from the tank is collected in said ring, each of and at least one of said troughs having a discharge opening therein disposed at a level which permits substantially all liquid to drain from said ring; and means associated with said troughs for releasably securing adjacent troughs in said end–to–end relationship.

0) US2007189834A – STAIN AND ODOR DETECTION AND CLEANUP SYSTEM

165) Family number: 35073940 (US2007189834A) © PatBase

Title: STAIN AND ODOR DETECTION AND CLEANUP SYSTEM

Priority: US20060378992 20060317 US20060387992 20060322 US20070923618 20071024 US20070923198 20071024 US20070924322 20071025 US20060772038P 20060210 US20070926999 20071029 US20070925316 20071026

Family:

Publication number	Publication date	Application number	Application date
US2007189834 AA	20070816	US20060387992	20060322
US2008044219 AA	20080221	US20070923618	20071024
US2008049414 AA	20080228	US20070923198	20071024
US2008049415 AA	20080228	US20070924322	20071025
US2008056803 AA	20080306	US20070926999	20071029
US2008062674 AA	20080313	US20070925316	20071026

Probable Assignee: HARTZ MOUNTAIN CORP

Assignee(s):(std)**:** HARTZ MOUNTAIN CORP ; MCKAY WILLIAM D SR ; THETHE HARTZ MOUNTAIN CORP

Inventor(s):(std)**:** MCKAY WILLIAM D SR

Inventor(s): MCKAY WILLIAM DSR ; MCKAY WILLIAM ; MCKAY WILLIAM D

Agent(s): GOTTLIEB RACKMAN AND REISMAN PC

International class (IPC 8–9)**:** A46B11/00 B43K29/00 B65D5/66 B67D1/07 F21V33/00 (Advanced/Invention); A46B11/00 B43K29/00 B65D5/64 B67D1/00 F21V33/00 (Core/Invention)

CPC: A47L13/26 B05B9/0426 B05B11/0005 B05B11/3057 B05B15/00 B65D21/0237 B65D23/00 B65D23/12 G01N21/6447 A46B11/00 A46B15/0002 A46B15/0036 A46B15/0091 A47L13/12 A47L13/51

European class: A46B15/00B3K A46B15/00C A46B15/00G A47L13/12 A47L13/26 A47L13/51 B05B15/00 B65D21/02K B65D23/00 B65D23/12 G01N21/64M K46B11/00 K46B15/00B L05B11/00B L05B11/30H3F2 L05B9/04B15

US class: 222/113 222/113S 222/192 222/192S 222/383.1 222/383.100S 362/96 362/96P 362/96S 401/123 401/123P 401/195 401/195S

Classification Explorer

Cited documents: US7296943 BB, US7168122 BA, US7121432 BB, US6905573 BB, US6736523 BB, US6692174 BB, US6676270 BB, US6603126 BB, US6435195 BA, US6250830 BA, US6092254 A, US5941629 A, US5896618 A, US5683168 A, US5572319 A, US5360111 A, US5331523 A, US5307249 A, US5107565 A, US5005835 A, US4449474 A, US4443906 A, US4434914 A, US4247844 A, US3776429 A, US3638836 A, US3134129 A, US2397757 A, US2053167 A, US2007067943 AA, US2007011835 AA, US2006032946 AA, US2005835 A, US2005257337 AA, US2005207825 AA, US2005089360 AA, US2003137827 AA, US2001006588 AA,

Forward Citations: WO16038133, USD743806, USD726027, USD726026, USD696747, USD686695, USD676929, USD673861, USD661373, USD647998, USD646351, USD626001, US9422088, US9365320, US9010582, US8857738, US8777065, US8562233, US8210395, US2015144627, US2012145711, US2011286782, US2011233234, US2010090027, JP2009145144, DE102009057050, CN105667947,

Abstract:
Source: US2007189834A A method and apparatus for detecting stains, urine, odor and feces, and more particularly, the combination of a black light detector and a liquid reservoir and/or trigger pump dispensing vehicle for containing stain removing chemicals is provided. The black light is selectively and removably mounted or positioned in the body of the dispensing vehicle.

166) Family number: 62740264 (WO16176561A1) © PatBase

Title: PLASMA TREATMENT WITH NON–POLYMERIZING COMPOUNDS THAT LEADS TO REDUCED DILUTE BIOMOLECULE ADHESION TO THERMOPLASTIC ARTICLES

Priority: US20140093194P 20141217 US20150114494P 20150210 US20150155090P 20150430 US20150243392P 20151019

Family:

Publication number	Publication date	Application number	Application date
WO16100557 A2	20160623	WO2015US66169	20151216
WO16100557 A3	20161124	WO2015US66169	20151216
WO16176561 A1	20161103	WO2016US30065	20160429

Probable Assignee: SIO2 MEDICAL PRODUCTS INC

Assignee(s):(std)**:** SIO2 MEDICAL PRODUCTS INC

Inventor(s):(std)**:** FELTS JOHN T ; TAHA AHMAD

Agent(s): WHEELER GEORGE F

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): C08J7/12 (Advanced/Invention)

CPC: C08J7/123 C08J2323/12 C12M23/20

Classification Explorer

Cited documents: WO9623834 A1, WO13071138 A1, WO09149827 A1, WO07132018 A1, US7985188 BB, US6074871 A, US5369012 A, US5147678 A, US4445991 A, US2015021339 AA, US2014274825 AA, US2013022752 AA, US2009291258 AA, US2005164009 AA, EP1689216 A1,

Abstract:
A method is provided for treating a surface. The method includes treating the surface with plasma comprising one or more non–polymerizing compounds. The converted surface has a biomolecule recovery percentage greater than the biomolecule recovery percentage of the surface prior to treatment according to the method.

0) DE602004009718T2 – GERAET FUER DIE ZUBEREITUNG VON GETRAENKEN

167) Family number: 40893356 (DE602004009718T2) © PatBase

Title: GERAET FUER DIE ZUBEREITUNG VON GETRAENKEN

Priority: EP20040250390 20040123 GB20030001747 20030124

Family:

Publication number	Publication date	Application number	Application date
AT376793 E	20071115	AT20040250390T	20040123
DE602004009718 D1	20071213	DE200460009718T	20040123
DE602004009718 T2	20080828	DE200460009718T	20040123
DE602004009718 T3	20140814	DE200460009718T	20040123
DK1440640 T3	20080310	DK20040250390T	20040123
ES2295778 T3	20080416	ES20040250390T	20040123
ES2295778 T5	20140711	ES20040250390T	20040123
HK1065693 A1	20080509	HK20040108579	20041101
HK1065693 A3	20050304	HK20040108579	20041101

Probable Assignee: KRAFT FOODS R AND D INC

Assignee(s):(std)**:** KRAFT FOODS R AND D INC ; KRAFT FOODS R AND D INC N D GES D STAATES DELAWARE ; KRAFT FOODS R AND D INC N D GES

Assignee(s): KRAFT FOODS R AND D INC NDGESDSTAATES DELAWARE ; KRAFT FOODS R AND D

Inventor(s):(std)**:** ANDREW HALLIDAY ; BALLARD COLIN ; COLIN BALLARD ; DAVID SMITH ; HALLIDAY ANDREW ; PANESAR SATWINDER ; SATWINDER PANESAR ; SMITH DAVID

Agent(s): UNGRIA JAVIER

International class (IPC 8–9): A47J31/06 A47J31/36 A47J31/40 (Advanced/Invention); A47J31/06 A47J31/24 A47J31/40 (Core/Invention); A47J (Subclass/Invention)

CPC: A47J31/56 A47J31/0673 A47J31/369 A47J31/3695 A47J31/4492

European class: A47J31/06C A47J31/06L A47J31/06P4B A47J31/36B4D A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44H A47J31/56

Classification Explorer

Forward Citations: DE102015113671, DE102013005870, DE102011086420, DE102011079542,

Abstract:
Source: DE602004009718T2 A low pressure beverage preparation system for automatically preparing a range of beverage types from a range of beverage cartridges, the system comprising: a beverage preparation machine (201); and a plurality of beverage cartridges (1), each beverage cartridge containing one or more beverage ingredients (200) associated with a specific beverage type, wherein the beverage preparation system comprises: a reader (252) for automatically interpreting a code (320) written on said beverage cartridge; processing means for creating a specific brewing cycle based on said code;

168) Family number: 54305418 (US8485396B) © PatBase

Title: COMBINATION STORAGE AND DISPENSING DEVICE FOR LAUNDRY PRODUCTS

Priority: US20110010107 20110120

Family:

Publication number	Publication date	Application number	Application date
US8485396 BA	20130716	US20110010107	20110120

Probable Assignee: PETROSSIAN LILI

Assignee(s):(std)**:** PETROSSIAN LILI ; PETROSSIAN NIKOLA

Inventor(s):(std)**:** PETROSSIAN LILI ; PETROSSIAN NIKOLA

International class (IPC 8–9): B67D7/06 (Advanced/Invention)

CPC: A47K5/06 B67D7/02

US class: 222/132 222/185.1 222/192 222/465.1

Classification Explorer

Cited documents: USD356193 S1, USD316466 S1, US7559442 BA, US7415794 BA, US6951294 BA, US6814261 BA, US6601737 BA, US6474760 BB, US5746353 A, US5649643 A, US5642762 A, US5529219 A, US5388902 A, US5193670 A, US4998647 A, US4841661 A, US4819833 A, US449346 A, US4143795 A, US3749211 A, US2134865 A, US2009050638 AA, US1778248 A, US135617 A, US1022685 A,

Forward Citations: US9403613, US2017107462, US2015314951, US2015183628, US2013220849,

Abstract:
Source: US8485396B A combination storage and dispensing device for laundry products featuring a housing with a plurality of snap–tight drawers for holding various items including measuring cups and coins, liquid dispensing units for storing and dispensing liquid–based laundry products, and powder compartments for holding and dispensing powder–based laundry products. The drawers may be divided into sub–sections via dividers. The liquid dispensing units each have an inner cavity, a dispensing unit opening with a snap–tight dispensing unit top, a spout, and a downwardly sloped wall in the inner cavity. The spout is positioned near the sloped wall. The powder compartments each have an opening and a snap–tight lid. Lids are pivotally disposed in the top of the housing for covering the snap–tight dispensing tops of the liquid dispensing units.

0) US1836893A – PREMIXED DRINK DISPENSER

169) Family number: 18921130 (US1836893A) © PatBase

Title: PREMIXED DRINK DISPENSER

Priority: US19290382409 19290731

Family:

Publication number	Publication date	Application number	Application date
FR710378 A	19310821		19300523
GB352953 A	19310714	GB19300011811	19300414
US1836893 A	19311215	US19290382409	19290731

Probable Assignee: FISCHMAN AND SONS I

Assignee(s):(std)**:** FISCHMAN AND SONS I

Assignee(s): I FISCHMAN AND SONS

Inventor(s):(std)**:** MESSNER AUSTIN HARRY

Inventor(s): AUSTIN HARRY MESSNER

International class (IPC 8–9)**:** B67D3/00 B67D3/04 (Advanced/Invention); B67D3/00 (Core/Invention)

International class (IPC 1–7)**:** B67D5/16 B67D5/62 G07F13/02 G07F13/06

CPC: B67D3/0003 B67D3/0009 B67D3/047

European class: B67D3/00B B67D3/00C B67D3/04F

US class: 194/261 221/96 222/146.1 222/217 222/332 222/333 222/362 222/65 222/66

Classification Explorer

Forward Citations: WO03042091, US4438686, US3643835, US3385413, US3326417, US3305132, US3237808, US3045869, US3042265, US2617510, US2487999, US2440406, US2433977, EP1321428,

Abstract:
Source: GB352953A [Class 106 (v).] Measured quantities of beverages c. are delivered by a rotatable drum 50 from a receptacle B, the fluid being kept in circulation by providing passages 43, 43<1> between the receptacle and drum at each end of the latter and by the use of a constantly rotating impeller 61. A transverse partition 68 in the lower part of the receptacle also improves the circulation. Through a door 15 the attendant lifts the handle 107 of a lever 106, releasing a catch 109 from a notch on the shaft 73 of coinfreed mechanism 72 and bridging contacts 116, 1161 by a spring–strip 117. The motor 66 is thus started and drives the impeller 61. The spring–pressed armature 113 of a solenoid 112 prevents the lever 106 from relocking the shaft 73. After prepayment at the mechanism 72, the handle 75 is operated and through bevel–gearing 77, 56 turns the drum 50 to discharging position. The port 59 is brought into register with the air vent 45 which, in conjunction with the impeller 61, causes the discharged fluid to be of a creamy consistency. On the release of the handle 75, a spring 78 returns the drum to its filling position. When the liquid in the receptacle is exhausted the stem 97 of the float 98 by lifting a lever 95 displays the word " Empty through a window in the casing 99 and at the same time closes a circuit through the contacts 102, 102<1> and strip 103. The solenoid 112 is thus energized, the armature 113 withdrawn and the lever 106 relocks the shaft 73 ; the switch 116, 117 is also opened and the motor 66 and impeller 61 stopped. Cooling fluid may be circulated through a coil 80 around the receptacle, there being a motor–driven compresser in the base of the apparatus. A second coil, in series with coil 80, may be lodged within the container B. A thermostat 90 maintains the temperature constant. An electrically–heated coil may be situated in the base of the receptacle, its terminals passing through the wall for connection to a current supply. A cup–dispenser may be arranged at the side of the apparatus, and a receptacle for empty cups mounted beneath. A driptray 18 surrounds the base of the container.

0) US1927521A – WATER DISPENSER

170) Family number: 22964089 (US1927521A) © PatBase

Title: WATER DISPENSER

Priority: US19310534484 19310502

Family:

Publication number	Publication date	Application number	Application date
US1927521 A	19330919	US19310534484	19310502

Probable Assignee: LANCASTER CARL B

Assignee(s):(std)**:** LANCASTER CARL B

Inventor(s):(std)**:** LANCASTER CARL B

International class (IPC 8–9)**:** F25D7/00 (Advanced/Invention); F25D7/00 (Core/Invention)

International class (IPC 1–7)**:** B67D5/62

CPC: F25D7/00 F25D2331/806

European class: F25D7/00 R25D331/806

US class: 62/171 62/315 62/318 62/391

Classification Explorer

Forward Citations: US3362186, US3050951,

Abstract:
Source: US1927521A 1. An apparatus of the class described comprising an enclosing casing; a porous water jar within said casing and having an outlet through said casing; a waste bucket supported within the wall of said casing beneath said outlet. and a drip pan beneath said jar draining into said bucket.

0) DK200100090U – APPARAT TIL PASTEURISERING AF DRIKKEVAND VED HJ...

171) Family number: 16203988 (DK200100090U) © PatBase

Title: APPARAT TIL PASTEURISERING AF DRIKKEVAND VED HJAELP AF SOLVARME Apparatus FOR PASTEURISATION OF DRINKING WATER BY MEANS OF SOLAR HEATING (Machine translation)

Priority: DK20010000090U 20010329

Family:

Publication number	Publication date	Application number	Application date
DK200100090 U3	20010514	DK20010000090U	20010329

Probable Assignee: SOLAR INNOVATION APS

Assignee(s):(std)**:** SOLAR INNOVATION APS

Inventor(s):(std)**:** JOERGENSEN ANDERS JOER FJENDBO ; JOERGENSEN ANDERS JOERN FJENDBO ; OLE OLSSON ; OLSSON OLE

International class (IPC 8–9)**:** C02F1/02 F24J2/02 F24J2/36 (Advanced/Invention); C02F1/02 F24J2/02 F24J2/36 (Core/Invention)

International class (IPC 1–7)**:** C02F1/02 F24J2/02 F24J2/36

CPC: Y02E10/40

European class: Y02E10/40

Classification Explorer

Abstract:
Source: DK200100090U 1. Apparat til pasteurisering af drikkevand og lignende væsker ved hjælp af solvarme, hvilket apparat omfatter en solfanger bestående af et lukket kabinet (1) med en glasdækket front (5) og indvendig isolering (10), og hvori der er indsat en beholder (9), som tjener til portionsvis varmebehandling af den væske, som skal pasteuriseres, hvilken beholder udgør absorberen i solfangeren, kendetegnet ved, – at der indvendig i kabinettet er indsat en reflektor (8), eksempelvis afblank aluminiumsplade, som er indrettet til at reflektere de gennem glassiden indfaldne solstråler i retning mod beholderen (9), hvilken er placeret i mellemrummet mellem glassiden (5) og reflektoren (8), og – at beholderen (9) er formet som et opadtil åbent, cylindrisk kar, hvis indvendige dimensioner er tilpasset en specifik (standard) konsumentflaske af plast eller glas, fortrinsvis en 1,5 1 engangs– plastflaske (11) af den type, som udbredt i store dele af verden benyttes til mineralvand og softdrinks, hvilken flaske (11) efter påfyldning af den væske, som skal varmebehandles, er beregnet til anbringelse i beholderen (9), således at pasteuriseringsprocessen finder sted med væsken emballeret på denne måde i en (genbrugs)flaske. 1 Apparatus for pasteurizing water and similar liquids using solar, said apparatus comprising a solar collector consisting of a sealed enclosure (1) with a glazed front (5) and insulating material (10) in which is inserted a container (9) which serves to batch heat treatment of the liquid to be pasteurized, the container constitutes the absorber of the collector, characterized in that – the inside of the cabinet is inserted a reflector (8), for example afblank aluminum plate which is adapted to reflect the through glass since the incident solar radiation in the direction towards the container (9), which is located in the space between the glass side (5) and the reflector (8), and – that the container (9) is formed as an upwardly open cylindrical vessels, whose inner dimensions are adapted to a specific (default) konsumentflaske of plastic or glass, preferably a 1.5 1 disposable plastic bottle (11) of the type which is widespread in much of the world is used for bottled water and soft drinks, the bottle (11) after filling of the liquid to be heat treated, intended for placing in the container (9), so that the pasteurization process takes place with the liquid packaged in this manner, in the (re) bottle.

0) US1991793A – WASHING MACHINE

172) Family number: 22035822 (US1991793A) © PatBase

Title:	WASHING MACHINE
Priority:	US19310555044 19310804

Family:

Publication number	Publication date	Application number	Application date
US1991793 A	19350219	US19310555044	19310804

Probable Assignee:	PAUL CURETON
Assignee(s):(std)**:**	PAUL CURETON
Inventor(s):(std)**:**	PAUL CURETON
Inventor(s):	CURETON PAUL
International class (IPC 8–9)**:**	D06F13/02 (Advanced/Invention); D06F13/00 (Core/Invention)
International class (IPC 1–7)**:**	D06F23/04
CPC:	D06F13/02
European class:	D06F13/02
US class:	210/314 210/365 68/207 68/23.3 68/23.7

Classification Explorer

Forward Citations: US5974610, US3026701, US2942445, US2930216,

Abstract:
Source: US1991793A 1. In a washing machine. a vertical tubular member having an outwardly projecting hangs adjacent its lower end, a water retaining receptacle the bottom of which ls secured on the Dann. a vertically tubular ball and socket joint structure associated with and supporting said member below the flange, a sleeve tumable on said member above and supported by the member, n foraminous basket supported by and secured to said sleeve adjacent its lower end, an agitator ln the basket removably centered on the sleeve, means for clamping the agitator and basket together, a driven shait journaled in and projecting upwardly in said tubular member and navmg driving engagement at its upper end with the upper end of the agitator, and a drive shaft projecting upwardly into the joint structure from below and flexibly connected to the lower end. of the driven shaft inside and in the axial plane of the joint.

0) CO6450067A – CIERRE DE SEGURIDAD PARA BOTELLA FASTENINGS BO...

173) Family number: 51955975 (CO6450067A) © PatBase

Title: CIERRE DE SEGURIDAD PARA BOTELLA Fastenings BOTTLE (Machine translation)

Priority: CO20110065382 20110526

Family:

Publication number	Publication date	Application number	Application date
CO6450067 A1	20120531	CO20110065382	20110526

Probable Assignee: ALEX DE JESUS MORALES ACOSTA

Assignee(s):(std)**:** CIFUENTES SANCHEZ JOSE A ; MORALES ACOSTA ALEX DE JESUS

Assignee(s): ALEX DE JESUS MORALES ACOSTA ; JOSE A CIFUENTES SANCHEZ

Inventor(s):(std)**:** CIFUENTES SANCHEZ JOSE A ; MORALES ACOSTA ALEX DE JESUS

Inventor(s): ALEX DE JESUS MORALES ACOSTA ; JOSE A CIFUENTES SANCHEZ

International class (IPC 8–9): B65B7/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CO6450067A Cierre de Seguridad para Botella que comprende: a) Una tapa (1) con un anillo de seguridad (6); b) Un sello vertedero (2); c) Una subtapa tubo de seguridad (3); d) Un cuerpo vertedero (4); y e) Una arandela (5).El cierre de seguridad se ensambla asi: a) primero, se arma el vertedero (4) con el sello vertedero (2) por medio de enroscado; b) segundo, el conjunto de pieza vertedero (4) y sello de vertedero (2), se le inserta la arandela (5) por la parte inferior hasta ajustar, formando una sola pieza interna; c) tercero, el conjunto de canastilla ya armado (vertedero (4), sello de vertedero (2) y arandela (5)) forma la parte interna de la subtapa (3), el cual se ensambla por la parte inferior de la subtapa tubo de seguridad (3); d) por ultimo, se coloca la tapa (1) sobre la subtapa tubo de seguridad (3), conformando asi el cierre de seguridad.

Machine translation: Fastenings bottle comprising: a) a cover (1) with a ring (6), b) A seal landfill (2) c) A safety tube subtapa (3) d) A landfill body (4), and e) A washer (5). safety lock is assembled as follows: a) first, arming the landfill (4) with the seal landfill (2) threaded through b) second, the landfill piece assembly (4) and seal landfill (2), is inserted into the washer (5) on the bottom to adjust, internal integrally c) third, armed and cage assembly (landfill (4) landfill seal (2) and washer (5)) forming the inner part of the subtapa (3), which is assembled on the bottom of the safety tube subtapa (3), d) Finally, it is placed the cover (1) on subtapa safety tube (3), thus forming the lock.

0) US2014001211A – MOUTHWASH DISPENSER

174) Family number: 55475000 (US2014001211A) © PatBase

Title: MOUTHWASH DISPENSER

Priority: US20120689581P 20120608 US20130914548 20130610

Family:

Publication number	Publication date	Application number	Application date
US2014001211 AA	20140102	US20130914548	20130610

Probable Assignee: TADDEO ALEXANDER

Assignee(s):(std)**:** TADDEO ALEXANDER ; THOMAS SEAN

Inventor(s):(std)**:** TADDEO ALEXANDER ; THOMAS SEAN

International class (IPC 8–9)**:** B05B11/00 B67D1/07 B67D7/06 B67D7/56 (Advanced/Invention)

CPC: A47K5/00 A47K5/1214

US class: 222/156 222/181.3 222/192 222/385

Classification Explorer

Cited documents: US8783520 BB, US8714413 BB, US8360285 BB, US7857170 BB, US7520407 BB, US6814261 BA, US6805262 BA, US6244470 BA, US6016936 A, US5908143 A, US5842609 A, US5713492 A, US5275305 A, US4026442 A, US3987932 A, US3952918 A, US3896977 A, US3844454 A, US3604592 A, US3434629 A, US2965267 A, US2781152 A, US2610014 A, US2609122 A, US2014091106 AA, US2013292410 AA, US2012080452 AA, US2009026229 AA, US2002125271 AA, US2002074355 AA, US2001035426 AA, US1938181 A,

Abstract:
Source: US2014001211A The invention provides a wall mounted dispenser configured for use with mouthwash and oral rinses, providing consumers with a neat and efficient means of dispensing measured doses of mouthwash in a container that is easily accessible. The Mouthwash Dispenser is comprised of an ample reservoir with an internally contained drainage pump and external spout or nozzle through which mouthwash is dispensed into a disposable cup or water glass.

0) CO5710146U – DISPOSITIVO DE CIERRE PARA BOTELLA CLOSURE DEVI...

175) Family number: 59633448 (CO5710146U) © PatBase

Title: DISPOSITIVO DE CIERRE PARA BOTELLA CLOSURE DEVICE FOR BOTTLE (Machine translation)

Priority: CO20050129960U 20051226

Family:

Publication number	Publication date	Application number	Application date
CO5710146 U1	20061229	CO20050129960U	20051226

Probable Assignee: JOSE ANIBAL CIFUENTES SANCHEZ

Assignee(s): JOSE ANIBAL CIFUENTES SANCHEZ

Inventor(s): JOSE ANIBAL CIFUENTES SANCHEZ

Agent(s): SANDRA MILENA RODRIGUEZ SARMIENTO

International class (IPC 8–9): B65D41/32 B65D41/38 B65D51/18 B65D55/02 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CO5710146U 1.– Dispositivo de Cierre para Botella CARACTERIZADO PORQUE el dispositivo comprende: a) Una tapa (3) con anillo de seguridad (5); b) Una Subtapa rosca (4); c) Un cuerpo vertedor (1); y d) Un cuerpo ligeramente conico (2); donde la tapa (3) es cilindrica, la pared exterior tiene una serie de grupos de estrias verticales (24); la pared interior tiene una pequena rosca (25); el anillo de seguridad (5) en su pared interior tiene dientes (14) separados equidistantemente y en el momento de la apertura del cierre el anillo se desprende de la tapa, quedando completo sobre el cuerpo conico (2). 1. Shut bottle device wherein the device comprises: a) A cover (3) with ring (5); b) A Subtapa thread (4); c) a pourer body (1); and d) a slightly conical body (2); wherein the lid (3) is cylindrical, the outer wall has a number of groups of vertical grooves (24); the inner wall has a small thread (25); the lock ring (5) on its inner wall has teeth (14) spaced equidistantly and at the time of opening of the closure ring emerges from the lid on the full being conical body (2).

176) Family number: 13183911 (WO9526558A1) © PatBase

Title: TREATING RADIOACTIVE, TOXIC OR OTHER HAZARDOUS WASTE

Priority: GB19940005988 19940325

Family:

Publication number	Publication date	Application number	Application date
GB9405988 A0	19940518	GB19940005988	19940325
WO9526558 A1	19951005	WO1995EP01122	19950324

Probable Assignee: BRITISH NUCLEAR FUELS PLC

Assignee(s):(std)**:** BRITISH NUCLEAR FUELS PLC ; FAIRHALL GRAHAM ANDREW ; HOUGH TERENCE

Inventor(s):(std)**:** HOUGH TERENCE ; FAIRHALL GRAHAM ANDREW

Designated states: AT BE CH DE DK ES FR GB GR IE IT JP KR LU MC NL PT RU SE UA US

International class (IPC 8–9): B03B9/06 B09B3/00 G21F9/14 G21F9/36 (Advanced/Invention)

International class (IPC 1–7): B09B3/00 G21F9/04 G21F9/14 G21F9/36

CPC: B03B9/061 B09B3/0025 G21F9/14 G21F9/36

European class: B03B9/06D B09B3/00D G21F9/14 G21F9/36

Classification Explorer

Cited documents: US5348704 A, FR2530532 A1, DE3319698 A1, DE3136129 A1, DE3116666 A1,

Forward Citations: WO16116447,

Abstract:
Radioactive, toxic or hazardous waste, in particular intermediate level sludge waste containing metal items and containers, some of which include pyrophoric material, is treated by drying the waste in containers in at least one waste dryer (34) and reducing the volume of the containers in a compacter (32), the dryer and compacter both being operated in a protective sealed environnement (14–16) which confines to the sealed environment the radiation or contamination resulting from the waste. Remote controlled manipulators and the like (e.g. gantry manipulator (37)) are used for handling the waste and containers within the sealed environnement (14–16). Prior to drying, oversize pyrophoric material, identified by screen separation of the waste into oversize and undersize and subsequent inspection of the oversize, is introduced into containers with undersize (consisting mostly of sludge), ready for drying. This avoids any risk of spontaneous ignition of the pyrophoric material.

0) US6250636B – WATER DAM GAME DEVICE

177) Family number: 15679490 (US6250636B) © PatBase

Title: Water dam game device

Priority: US20000495864 20000202 US20000580951 20000530 WO2001CA00135 20010126

Family:

Publication number	Publication date	Application number	Application date
AU2001229938 AA	20010814	AU20010229938	20010126
AU200129938 A5	20010814	AU20010029938	20010126
CA2398638 AA	20020729	CA20012398638	20010126
US6250636 BA	20010626	US20000495864	20000202
US6412782 BA	20020702	US20000580951	20000530
WO0156671 A1	20010809	WO2001CA00135	20010126

Probable Assignee: RIVET ROBERT R

Assignee(s):(std)**:** RIVET FRANCIS S ; RIVET ROBERT R

Assignee(s): ROBERT R RIVET

Inventor(s):(std)**:** RIVET FRANCIS S ; RIVET ROBERT R

Inventor(s): ROBERT R RIVET ; FRANCIS S RIVET

Agent(s): RICHES MCKENZIE AND HERBERT LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): A63F7/04 (Advanced/Invention)

International class (IPC 1–7): A63F7/04 A63F9/00

CPC: A63F7/045

European class: A63F7/04L

US class: 273/457 273/459

Classification Explorer

Cited documents: US6250636 BA, US6047866 A, US5839964 A, US5632490 A, US5062550 A, US4890838 A, US4826161 A, US4348028 A, US4243220 A, US4118027 A,

Forward Citations: WO17070232, USD656199, US8757628, US7784789, US6412782, US2009121426,

Abstract:
Source: US6250636B A game device with a water reservoir having a plurality of openings for exit of water from the reservoir and blocking members adapted to either block the flow of water from the openings or permit the flow of water from the openings.

0) AU2003200337A – IMPROVEMENT IN INDIRECT HEATED HOT WATER SYSTEM...

178) Family number: 31486675 (AU2003200337A) © PatBase

Title: Improvement in indirect heated hot water systems

Priority: AU2002PS00202 20020131 AU2002PS02438 20020521 AU20030200337 20030131 AU20020952905 20021125 AU20020950889 20020820

Family:

Publication number	Publication date	Application number	Application date
AU2002000202 A0	20020221	AU2002PS00202	20020131
AU2002002438 A0	20020613	AU2002PS02438	20020521
AU2002950889 A0	20020912	AU20020950889	20020820
AU2002952905 A0	20021212	AU20020952905	20021125
AU2003200337 AA	20030814	AU20030200337	20030131

Probable Assignee: THERMAL ZERO PTY LTD

Assignee(s):(std)**:** MERRYFULL A E ; THERMAL ZERO PTY LTD

Assignee(s): HEAT RECOVERY TECHNOLOGY PTY LTD

Inventor(s):(std)**:** MERRYFULL ALBERT E

Inventor(s): ALBERT E MERRYFULL

International class (IPC 8–9): F24H1/16 F28D1/047 (Advanced/Invention); F24H1/12 F28D1/04 (Core/Invention)

International class (IPC 1–7): F24H1/16 F28D1/047

Classification Explorer

Abstract:
Source: AU2003200337A 31–JAN–2003(FRI) 16:59 M A Martin and Associates (FAX)61 2 9818 4900 P. 036/036 2823–1.doc ABSTRACT An indirect hot water system is provided with a secondary heat exchanger (130) that heats potable water upstream of the main heating tank (110). The secondary heat exchanger utilises refrigerant that has passed through the main heating tank. The system includes clips (40,42, 60, 62) that support and separate the coils of the heat exchangers (108, 116) in the main tank (110) to increase the efficiency of the heat exchangers and the system overall.

179) Family number: 59292218 (WO15073320A1) © PatBase

Title: RAIN HARVESTING KIT, DEVICE, AND METHOD

Priority: US20130905149P 20131115

Family:

Publication number	Publication date	Application number	Application date
WO15073320 A1	20150521	WO2014US64573	20141107

Probable Assignee: DAVIDSON JAYNE SARAH

Assignee(s):(std)**:** DAVIDSON JAYNE SARAH ; PAPAY MARTIN ; RUBIN KIM

Inventor(s):(std)**:** DAVIDSON JAYNE SARAH ; PAPAY MARTIN ; RUBIN KIM

Agent(s): RUBIN KIM

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): E03B3/02 (Advanced/Invention)

CPC: E03B3/02

Classification Explorer

Cited documents: US8132583 BB, US5007672 A, US4633899 A, US3805816 A, US3042056 A, US2008095573 AA,

Abstract:
A rainwater harvesting kit, device and method are described. A kit comprises a food–grade, foldable, collecting sheet with a drain hole and reinforced securing points, with a gutter region adapted to be shaped into a gutter by the addition of removable gutter stays in pockets, and a filter module comprising two portions that mate through the drain hole. The filter module filters clean water from debris via holes. Embodiments include an asymmetric quadrilateral sheet shape, with a drain hole offset from the lowest point in the gutter. Kit embodiments include a stowage bag convertible into a water container, collection sheet, gutter stays, filter module, securing cords, stakes, cord buckles, and tubing. Embodiments include Oxford weave sheet and a polyether thermoplastic polyurethane coating. Embodiments include inflatable gutter stays.

0) DE9211390U1 –

180) Family number: 17703736 (DE9211390U1) © PatBase

Priority: DE19920011390U 19920825

Family:

Publication number	Publication date	Application number	Application date
DE9211390 U1	19921105	DE19920011390U	19920825

Probable Assignee: WENZEL KLAUS 4720 BECKUM DE

Assignee(s): WENZEL KLAUS 4720 BECKUM DE

International class (IPC 8–9): B05C17/00 B65D25/38 B65D47/34 B65D47/36 B65D83/00 B67D3/00 E03B11/02 (Advanced/Invention); B05C17/00 B65D25/38 B65D47/00 B65D47/34 B65D83/00 B67D3/00 E03B11/00 (Core/Invention)

International class (IPC 1–7): B05C17/00 B65D25/38 B65D47/34 B65D83/00

CPC: B67D3/0032 B65D47/36 B65D2231/02 B67B7/26 E03B11/02

European class: B65D47/36 B67B7/26 B67D3/00H2 E03B11/02 L65D231/02

Classification Explorer

Forward Citations: WO03084837, DE4401925,

Abstract:
Source: DE9211390U1 (Claim 1) 1. Vorrichtung zum Bevorraten und Abgeben von Fluessigkei– ten, mit einem Behaelter, einer Nachfuelloeffnung in dem Behaelter und einem Verschlusselement, das mit der Nachfuelloeffnung loesbar und dicht verbunden ist, dadurch gekennzeichnet, dass eine Pumpeinrichtung (3) zum Entleeren des Behaelters (1) loesbar und dicht mit dem Verschlusselement (11) verbunden ist.

Machine translation: (Claim 1) 1 Device for storing and dispensing of liquids, with a tank, a fill hole in the container and a closure element which is connected to the refill detachably and tightly, wherein said pumping means (3) to empty the container (1) is solvable and sealed with the sealing element (11) is connected.

0) BRMU8301447U – DISPENSADOR PROGRAMAVEL PARA ANIMAIS PROGRAMMA...

181) Family number: 31574255 (BRMU8301447U) © PatBase

Title: DISPENSADOR PROGRAMAVEL PARA ANIMAIS PROGRAMMABLE DISPENSER FOR ANIMALS (Machine translation)

Priority: BR2003MU01447U 20030623

Family:

Publication number	Publication date	Application number	Application date
BRMU8301447 U	20050201	BR2003MU01447U	20030623

Probable Assignee: OLIVEIRA RICARDO AUGUSTO DE FA

Assignee(s):(std)**:** OLIVEIRA RICARDO AUGUSTO DE FA ; SCOPEL ORIMAR GOTARDO

Assignee(s): ORIMAR GOTARDO SCOPEL ; RICARDO AUGUSTO DE FACCI OLIVEIRA

Inventor(s):(std)**:** OLIVEIRA RICARDO AUGUSTO DE FA ; SCOPEL ORIMAR GOTARDO

Inventor(s): ORIMAR GOTARDO SCOPEL ; RICARDO AUGUSTO DE FACCI OLIVEIRA

International class (IPC 8–9): A01K5/02 (Advanced/Invention); A01K5/00 (Core/Invention)

International class (IPC 1–7): A01K5/02

Classification Explorer

Abstract:
Source: BRMU8301447U • •• 1/1 • t • • ••• • e s • «««««•# fss • • •• • • ## # e # # # # # ft • » • t ft • ft • • • ••• e ««ft ••• e ss ‘ ss ss • ft • • ft ft • • # » ••• • e >'i Resumo Dispensador programavel para ANiMAis. montado num gabinete independente, capaz de dispensar agua e alimentacao tipo racao em quantidades necessarias e em intervalos de tempo previamente estabelecidos, compreendendo um gabinete, contando com um reservatorio coberto com tampa, onde e armazenada a racao solida, sendo que, ao lado deste reservatorio esta o controlador eletronico programavel. Montado no conjunto, um motor eletrico acoplado em um redutor no qual, em seu eixo, e fixo uma rosca helicoidal, onde ainda, no proprio gabinete tem–se dois cochos, uma para racao e o outro para agua. ss ss ss «.A • •• t 1/1 • • • ••• • • es «« ««« f ss # • • • •• • • # ## and # # # # • ft »t ft • • • ft • • ••• and ««« ••• ft and ss 'ss ss • ft ft ft • • • • # »••• • and gt;' i Summary programmable dispenser for animals. mounted in a separate cabinet, able to dispense water and feeding type ration in necessary quantities and pre–established time intervals, comprising a cabinet and comprises a reservoir covered with a lid, where and stored at solid ration, and, alongside this reservoir this the programmable electronic controller. Mounted on the whole, an electric motor coupled to a gear in which, on its axis, and fixed a helical thread, which also own the cabinet has two troughs, one for ration and the other for water. ss ss ss ".The

0) GB661973A – IMPROVEMENTS IN OR RELATING TO DEVICES FOR BREW...

182) Family number: 19386214 (GB661973A) © PatBase

Title: Improvements in or relating to devices for brewing or infusing tea or like beverages

Priority: GB19490004808 19490222

Family:

Publication number	Publication date	Application number	Application date
GB661973 A	19511128	GB19490004808	19490222

Probable Assignee: TEASY KETTLE CO LTD

Assignee(s):(std)**:** TEASY KETTLE CO LTD ; TEASY KETTLE COMPANY LTD

Assignee(s): THE TEASY KETTLE COMPANY LIMITED

Inventor(s):(std)**:** SMALL ALEXANDER

International class (IPC 8–9)**:** A47J31/06 (Advanced/Invention); A47J31/06 (Core/Invention)

International class (IPC 1–7)**:** A47J31/46

CPC: A47J31/06

European class: A47J31/06

Classification Explorer

Abstract:
Source: GB661973A 661,973. Making tea or the like. TEASY KETTLE CO., Ltd. Feb. 14, 1950 [Feb. 22, 1949], No. 4808/49. Class 129. A device for. brewing or infusing tea or the like of a selected strength comprises a casing 1 housing a perforated or porous tea container 7 disposed between an inlet 6 communicating with the spout of a kettle or the like and an outlet 5, means being provided for diverting a predetermined amount of water entering the inlet 6 into a byepass 10 to vary the strength of the brew. The removable top 3 of the casing 1 has a nipple 6 externally ribbed for connection to a hose, and an externally threaded skirt 18 for quick engagement with the casing 1. Beneath the tap 3 and operated by an external handle 27 is an apertured and grooved baffle plate 21 of oval shape which serves to regulate the byepass and through–flow quantities by reducing the register of the aperture 24 with the entrance 26 to the container 7 and by allowing a greater quantity to flow through the groove 25 to a longitudinal groove 10 on the interior of the casing 1 and so to the outlet 5. In an alternative form the tap 3 has a bayonet joint connection with the casing 1. According to the Provisional Specification variations in the strength of the tea may be achieved by axial adjustment of a baffle or deflecting element housed in a bore in the container.

0) US2623367A – WATER COOLER AND FILTER

183) Family number: 22516337 (US2623367A) © PatBase

Title: WATER COOLER AND FILTER

Priority: US19500137064 19500106

Family:

Publication number	Publication date	Application number	Application date
US2623367 A	19521230	US19500137064	19500106

Probable Assignee: SUNROC REFRIGERATION CO

Assignee(s):(std)**:** SUNROC REFRIGERATION CO ; SUNROC REFRIGERATION COMPANY

Inventor(s):(std)**:** MORRISON ELLA P

International class (IPC 8–9)**:** F25D31/00 (Advanced/Invention); F25D31/00 (Core/Invention)

CPC: F25D31/002 F25D2317/0417

European class: F25D31/00C R25D317/0417

US class: 210/259 210/542 239/18 239/29 362/92 362/96 62/249 62/264 62/319 62/339 62/391 62/394 62/78

Classification Explorer

Cited documents: US627594 A, US2489966 A, US2413704 A, US2199301 A, US2145304 A, US2047470 A, US2034792 A, US1960975 A, US1842313 A, US1780687 A, US1551572 A, US1431035 A, US1339675 A, US1190769 A, GB190222897 A, FR323834 A,

Forward Citations: WO08101772, US8555816, US6120685, US6062255, US5083442, US4946599, US4901922, US4749126, US4571953, US4249923, US3982406, US3699776, US3630445, US2914252, US2756470, US2011132268, US2010085731, JP61502155,

Abstract:
Source: US2623367A (Claim 1) 1. In a water cooler, a water filter, mechanical refrigeration means for cooling the water filter, a transparent dome,on the filter, an inlet pipe to the filter directing water in a spray against the in,side of the dome and a germicidal lamp directed into the stream of inlet water as it enters the filter in the direction of flow.

184) Family number: 3024482 (US5011542A) © PatBase

Title: METHOD AND APPARATUS FOR TREATING OBJECTS IN A CLOSED VESSEL WITH A SOLVENT

Priority: DE19873725565 19870801 DE19883866820 19880721 WO1988EP00671 19880721 EP19880111774 19880721

Family:

Publication number	Publication date	Application number	Application date
AT70315 E	19911215	AT19880111774T	19880721
BRPI8807154 A	19891017	BR1988PI07154	19880721
DE3725565 A1	19890216	DE19873725565	19870801
DE3866820 D1	19920123	DE19883866820	19880721
EP0302313 A1	19890208	EP19880111774	19880721
EP0302313 B1	19911211	EP19880111774	19880721
ES2027351 T3	19920601	ES19880111774T	19880721
GR3003993 T3	19930316	GR19920401855T	19920311
JP2500178 T2	19900125	JP19880506557T	19880721
KR950014078 B1	19951121	KR19890070571	19890401
US5011542 A	19910430	US19890332274	19890309
WO8901057 A1	19890209	WO1988EP00671	19880721

Probable Assignee: WEIL PETER

Assignee(s):(std)**:** WEIL PETER

Assignee(s): WEIL PETER 8000 MUENCHEN DE ; PETER WEIL

Inventor(s):(std)**:** PETER WEIL ; WEIL PETER

Inventor(s): WEIL PETER 8000 MUENCHEN DE

Designated states: AT BE BR CH DE ES FR GB GR IT JP KR LI LU NL SE US

International class (IPC 8–9)**:** B08B3/08 B44D3/16 B44D3/24 C23G5/02 C23G5/028 C23G5/04 (Advanced/Invention); B08B3/08 B44D3/16 B44D3/24 C23G5/00 (Core/Invention)

International class (IPC 1–7)**:** B08B3/02 B08B3/08 B08B3/10 B44D3/24 C09D9/00 C23G5/02 C23G5/04

CPC: B44D3/16 B44D3/24 C23G5/02 C23G5/02806

European class: B44D3/16 B44D3/24 C23G5/02 C23G5/028C

US class: 134/12 134/26 134/31 134/36 134/38

Classification Explorer

Cited documents: US4770197 A, US4339283 A, US4038155 A, US3794524 A, US3338756 A, US2385564 A, US2310569 A, GB870970 A, GB2113719 A1, FR2044887 A5, EP0087055 A1, EP0080407 A2, DE8437870 U, DE330666, DE3015524 A1, CA579891 A, CA1001934 A1,

Forward Citations: WO9624704, WO9618511, WO9509321, US7789971, US7767145, US7550075, US7524383, US7494107, US7491036, US7442636, US7435447, US7434590, US7399708, US7387868, US7380984, US7307019, US7291565, US7270941, US7270137, US7255772, US7250374, US7225820, US7208411, US7186093, US7169540, US7163380, US7140393, US7077917, US7064070, US7060422, US7044662, US7021635, US7001468, US6953042, US6928746, US6926798, US6926012, US6924086, US6921456, US6892741, US6890853, US6871656, US6748960, US6736149, US6558475, US6537916, US6509141, US6500605, US6331487, US6306564, US6277753, US6027651, US5876567, US5693149, US5524652, US5377705, US5367881, US5346534, US5300154, US5273060, US5268036, US5094696, US2007012337, US2007000519, US2006266287, US2006255012, US2006254615, US2006228874, US2006225811, US2006225772, US2006223899, US2006223314, US2006219268, US2006215729, US2006186088, US2006185694, US2006185693, US2006180573, US2006180572, US2006180175, US2006180174, US2006135047, US2006130966, US2006130913, US2006130875,

US2006104831, US2006102591, US2006102590, US2006102208, US2006102204, US2006073041, US2006068583, US2006065288, US2006065189, US2006003592, US2005227187, US2005067002, US2005035514, US2005034660, US2005025628, US2005014370, US2005008980, US2005000651, US2004231707, US2004229449, US2004177867, US2004157463, US2004157420, US2004154647, US2004149317, US2004142564, US2004112409, US2004072706, US2004040660, US2004035021, US2004018452, US2004016450, US2004016447, US2003198895, US2003155541, US2003150559, US2003121535, US2002189543, US2002046707, US2002001929, EP1215306, EP0721553, EP0416763, DE4119303, DE10258490,

Abstract:
Source: US5011542A PCT No. PCT/EP88/00671 Sec. 371 Date Mar. 9, 1989 Sec. 102(e) Date Mar. 9, 1989 PCT Filed Jul. 21, 1988 PCT Pub. No. WO89/01057 PCT Pub. Date Feb. 9, 1989.In a method, especially for stripping enamel and removing coatings from objects, the advantages of a solvent treatment are to be retained, without having to put up with the disadvantages of contaminating the environment. This is accomplished essentially by using in a closed treating vessel a treating mixture with at least a preponderance of a solvent with a proportion of water in excess of that required for an azeotropic mixture and carrying out the treatment while boiling the treating mixture. After the treating mixture is removed from the vessel, any solvent components still present are distilled off azeotropically from the system with water and removed before the vessel is opened.

0) US2503962A – TOILET

185) Family number: 21597216 (US2503962A) © PatBase

Title:	TOILET
Priority:	US19480013007 19480304

Family:

Publication number	Publication date	Application number	Application date
US2503962 A	19500411	US19480013007	19480304

Probable Assignee:	MOEN MELVIN F
Assignee(s):(std)**:**	MOEN MELVIN F
Inventor(s):(std)**:**	MOEN MELVIN F
International class (IPC 8–9)**:**	E03D1/00 E03D11/10 E03D5/00 E03D5/012 (Advanced/Invention); E03D1/00 E03D11/02 E03D5/00 (Core/Invention)
International class (IPC 1–7)**:**	E03D1/00 E03D11/10
CPC:	E03D1/00 E03D5/003 E03D5/012
European class:	E03D1/00 E03D11/10 E03D5/00B E03D5/012
US class:	4/434 4/467

Classification Explorer

Cited documents:	US2154259 A, US1153815 A, GB191311682 A,
Forward Citations:	US8719973, US2012011645,

Abstract:
Source: US2503962A (Claim 1) 1. In a toilet of the type described, the combination with an enclosing structure for the toilet, olfan;__.extetior–ly – vented,.ttorag–e space disposed o– utside of and below said,structure and connected at one side of its upper end to an opening in the floor of said structure, a toilet seat, a support for said seat mounted over said opening, a bowl tiltably mounted on said support partly projecting into said space _and, adA _pted to discharge directly into said space.

0) BRPI0905022A – SISTEMA DE FILTRAGEM DE OLEOS E GORDURAS RESIDU...

186) Family number: 49267128 (BRPI0905022A) © PatBase

Title: sistema de filtragem de oleos e gorduras residuais Filtration system residual oils and fats (Machine translation)

Priority: BR2009PI05022 20091118

Family:

Publication number	Publication date	Application number	Application date
BRPI0905022 A2	20110712	BR2009PI05022	20091118

Probable Assignee: FRACARI DARCI HUMBERTO

Assignee(s):(std)**:** FRACARI DARCI HUMBERTO

Assignee(s): DARCI HUMBERTO FRACARI

Inventor(s):(std)**:** FRACARI DARCI HUMBERTO

Inventor(s): DARCI HUMBERTO FRACARI

International class (IPC 8–9): C10M175/02 (Advanced/Invention)

Classification Explorer

Abstract:
Source: BRPI0905022A SISTEMA DE FILTRAGEM DE OLEOS E GORDURAS RESIDUAIS. Desenvolvido para melhorar a qualidade e conservacao dos oleos usados, conferindo aos mesmos um melhor valor agregado, inclusive com aprovacao da qualidade para producao de biodiesel, cuja especificacao e a seguinte: teor de acidez ate 5 percent em acido oleico e teor de agua mais impurezas menor que 2 percent.

Machine translation: SYSTEM FOR FILTERING RESIDUAL OILS AND FATS. Designed to improve the quality and storage of waste oils, giving them a better value, including approval of the quality production of biodiesel, whose specification and the following: acidity up to 5 percent oleic acid content and lower water more impurities than 2 percent.

0) US3526395A – APPARATUS FOR REMOVING METALLIC SLAG FROM TORCH...

187) Family number: 920112 (US3526395A) © PatBase

Title: APPARATUS FOR REMOVING METALLIC SLAG FROM TORCH CUTTING OPERATIONS

Priority: US19670647859 19670621

Family:

Publication number	Publication date	Application number	Application date
US3526395 A	19700901	US19670647859	19670621

Probable Assignee: EDGCOMB ACQUISITION CORP

Assignee(s):(std)**:** EDGCOMB STEEL CO

Assignee(s): FIRST NATIONAL BANK OF BOSTON ; EDGCOMB ACQUISITION A CORP OF DE A SUBSIDIARY ; EDGCOMB ACQUISITION A CORP OF DE A SUBSIDIARY OF E ; EDGCOMB ACQUISITION CORP ; EDGCOMB METALS CO

Inventor(s):(std)**:** BROWN LAWRENCE H

Inventor(s): LAWRENCE H BROWN

International class (IPC 8–9)**:** B23K7/00 B23Q11/00 (Advanced/Invention); B23K7/00 B23Q11/00 (Core/Invention)

International class (IPC 1–7)**:** B23K7/10 F23J1/00

CPC: B23Q11/005 B23K7/002 Y02P70/171

European class: B23K7/00D B23Q11/00F2

US class: 263/45 266/49 266/65 432/74

Classification Explorer

Cited documents: US3163559 A, US2859023 A,

Forward Citations: WO8501232, US7998398, US7985369, US7560064, US6039915, US5560887, US5435525, US4453702, US4162060, US4058299, US4047706, US3969132, US3792846, US3787247, US3749385, US3743260, US3743259, US2015040372, US2010133730, US2009233536, US2004154646, FR2231465, FR2231465, EP1053809,

Abstract:
Source: US3526395A ABSTRACT OF THE DISCLOSURE An apparatus for removing metallìc slag from torch cutting opérations on sheets and plates whereby the molten slag is deposited on an inclined metal piate which 15 is washed fay a continuous stream of water, the slag being carried down the plate to a conveyor for removal. B

- **search:** SS11 sFT=((water or liquid) W1 (dispenser or storage or resevoir) and (spigot or valve or tap or faucet) and (container or basket or can) and (grip* or handle*)) (Results 7665)
- **search:** SS12 sFT=((water or liquid) W1 (dispenser or storage or resevoir) and (spigot or valve or tap or faucet) and (container or basket or can) and (grip* or handle*) and (lid or cap)) (Results 3088)
- **search:** SS13 (12) and sFT=planter (Results 15)
- List: SS13 1–50 ((12) and sFT=planter) (Results 15)

0) US2015297776A – METHOD AND SYSTEM OF A NETWORK OF DIFFUSERS INC...

1) Family number: 60600083 (US2015297776A) © PatBase

Title: METHOD AND SYSTEM OF A NETWORK OF DIFFUSERS INCLUDING A LIQUID LEVEL SENSOR

Priority: US20140045989P 20140904 US20140981533P 20140418 US20150689378 20150417 US20150689407 20150417 US20150689664 20150417 US20150689691 20150417 US20160225109 20160801 US20160227847 20160803 WO2015US26460 20150417 US20160249325 20160826 US20160249018 20160826

Family:

Publication number	Publication date	Application number	Application date
CA2950592 AA	20161124	CA20152950592	20150417
CN106456820 A	20170222	CN201580032558	20150417
EP3131591 A1	20170222	EP20150780002	20150417
US2015297776 AA	20151022	US20150689378	20150417
US2015297777 AA	20151022	US20150689407	20150417
US2015297778 AA	20151022	US20150689664	20150417
US2015297779 AA	20151022	US20150689691	20150417
US2016339135 AA	20161124	US20160225109	20160801
US2016339136 AA	20161124	US20160227847	20160803
US2016361453 AA	20161215	US20160249325	20160826
US2016367716 AA	20161222	US20160249018	20160826
US9439995 BB	20160913	US20150689378	20150417
US9452234 BB	20160927	US20150689407	20150417
US9474824 BB	20161025	US20150689691	20150417
WO15161246 A1	20151022	WO2015US26460	20150417
WO15161250 A1	20151022	WO2015US26467	20150417

Probable Assignee: BECKER TODD H

Assignee(s):(std)**:** BECKER TODD H ; CONROY THOMAS A ; LANGTON DAVID L ; PATSTONE CHRISTOPHER H ; SIEGEL THOMAS G

Inventor(s):(std)**:** BECKER TODD H ; CONROY THOMAS A ; LANGTON DAVID L ; PATSTONE CHRISTOPHER H ; SIEGEL THOMAS G

Agent(s): RICHES MCKENZIE AND HERBERT LLP; FINDLAY ALICE ROSEMARY; GTC LAW GROUP PC AND AFFILIATES; IRIZARRY STACEY

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01G27/00 A61L2/00 A61L9/00 A61L9/015 A61L9/04 A61L9/12 A61L9/14 A62C13/62 B01F3/04 B05B12/08 B05B12/12 B05B7/24 G05B15/02 G08B13/22 G08B21/18 (Advanced/Invention)

CPC: A61L9/14 A61L2209/111 G05B15/02 B05B12/081 B05B12/12 A61L2209/20 G08B21/182 B05B12/08 G08B13/22 A61L2209/11 B05B7/2416 B05B7/2424 A61L2/00 A61L9/00 B01F3/04021 B01F2215/009 A61L2209/133 A61L2209/135 A61L9/015

US class: 1/1 239/1 239/11 239/71 239/74 239/8 261/78.2 700/90

Classification Explorer

Cited documents: WO15161250 A1, WO15161246 A1, US9278150 BB, US9248461 BB, US9162004 BA, US8955765 BB, US8939386 BB, US8881999 BB, US8857735 BB, US8855827 BB, US8603398 BB, US8382008 BA, US8249731 BB, US7930068 BB, US7712683 BB, US7664574 BB, US7610118 BB, US6827289 BB, US6802460 BB, US6267297 BA, US6053041 A, US5924597 A, US5898475 A, US5609047 A, US5409839 A, US4836452

A, US2016081181 AA, US2016030621 AA, US2016000956 AA, US2015367356 AA, US2015367016 AA, US2015367014 AA, US2015367013 AA, US2015297779 AA, US2015297778 AA, US2015297777 AA, US2015297776 AA, US2015088273 AA, US2015028126 AA, US2015019041 AA, US2015019030 AA, US2015019029 AA, US2014322082 AA, US2014074283 AA, US2014052278 AA, US2014025805 AA, US2014022968 AA, US2014022917 AA, US2014022061 AA, US2013082817 AA, US2013081541 AA, US2012261484 AB, US2012211574 AA, US2012097753 AA, US2012046790 AA, US2012031922 AA, US2012018037 AA, US2011295434 AA, US2011253797 AA, US2011226864 AA, US2011200488 AA, US2011089260 AA, US2011089252 AA, US2011034120 AA, US2010070086 AA, US2010044453 AA, US2010030013 AA, US2010001417 AA, US2009162253 AA, US2009159719 AA, US2008103054 AA, US2008046944 AA, US2007258849 AA, US2007210182 AA, US2006175426 AA, US2006060990 AA, US2005129568 AA, US2004028551 AA, GB2233230 B2, EP2420137 A1, EP1184083 B1,

Forward Citations: WO17079845, US9691214, US9690276, US9610597, US9474824, US9452234, US9439995, US2016231720, US2015323915,

Abstract:
Source: US2015297776A Systems and methods for managing scent in an environment include disposing a plurality of scent diffusion devices within an environment, wherein the diffusion devices include a communications facility that enables transmitting signals to and receiving signals from a remote computer and disposing at least one sensor within the environment that transmits sensor data to the remote computer. At least one scent parameter for scenting an environment is received at the remote computer. The remote computer controls diffusion of a liquid from a source of a liquid in fluid communication with at least one of the plurality of scent diffusion devices to achieve the scent parameter. Controlling includes setting or adjusting an operation parameter of the scent diffusion device in response to the sensor data.

0) US2015136241A – LIQUID STORAGE AND DELIVERY SYSTEM

2) Family number: 59283458 (US2015136241A) © PatBase

Title: LIQUID STORAGE AND DELIVERY SYSTEM

Priority: US20130085297 20131120 US20160083127 20160328

Family:

Publication number	Publication date	Application number	Application date
US2015136241 AA	20150521	US20130085297	20131120
US2016205879 AA	20160721	US20160083127	20160328
US9295204 BB	20160329	US20130085297	20131120
WO15077007 A1	20150528	WO2014US63339	20141031

Probable Assignee: NGUYEN DUNG B

Assignee(s):(std)**:** NGUYEN DUNG B

Inventor(s):(std)**:** NGUYEN DUNG B

Agent(s): JACOB M; FRASER CLEMENS MARTIN AND MILLER LLC; WARD JACOB M

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A01G25/16 A01G27/00 A01G9/02 A01K7/02 F04F10/00 (Advanced/Invention)

CPC: A01G25/16 F04F10/00 A01G9/02 Y10T137/2761 A01G27/005 A01G27/006

US class: 1/1 137/130 47/79

Classification Explorer

Cited documents: WO05095211 A1, US8408229 BB, US7644537 BA, US6766614 BB, US6715233 BB, US6497071 BA, US6178984 BA, US6178984 B1, US5440835 A, US4991345 A, US4846206 A, US4685827 A, US4347687 A, US3856205 A, US3216663 A, US2013074405 AA, US2011162272 AA, US2011139080 AA, US2009056219 AA, US2007022660 AA, US2006150486 AA, US1235316 A, JP2011139695 A2, JP2005006665 A2, GB2470204 A1, EP2529616 A1, EP0300377 A1,

Forward Citations: US9565811, US2015289459,

Abstract:
Source: US2015136241A A liquid storage and delivery system includes a reservoir and a storage container. The storage container has a main body with a hollow interior, and is configured to hold a reserve volume of the water. The main body has an upper wall and a lower wall. The hollow interior is disposed between the upper wall and the lower wall. A refill conduit is in communication with the hollow interior of the storage container. An air conduit is in communication with the hollow interior of the storage container and the reservoir. A liquid passage is in communication with the hollow interior of the storage container and the reservoir. The liquid passage is configured to deliver the water from the storage container to the reservoir. The liquid storage and delivery system is particularly useful for the watering of plants and animals.

0) US2002088175A – RETROFITTING AERATING ROOT PRUNER

3) Family number: 30116341 (US2002088175A) © PatBase

Title: RETROFITTING AERATING ROOT PRUNER

Priority: CA19962257539 19960607 US19950479712 19950607 US19950488289 19950607 US19950488292 19950607 WO1996US10493 19960607 US19960767837 19961217 US19970974432 19971119 US20010824986 20010402 US19990347506 19990702

Family:

Publication number	Publication date	Application number	Application date
AU199664776 A1	19961230	AU19960064776	19960607
AU713138 B2	19991125	AU19960064776	19960607
CA2257539 AA	19981207	CA19962257539	19960607
EP1006775 A2	20000614	EP19960924278	19960607
EP1006775 A4	20000614	EP19960924278	19960607
US2002088175 AA	20020711	US20010824986	20010402
US5678600 A	19971021	US19950479712	19950607
US5743290 A	19980428	US19960767837	19961217
US5782035 A	19980721	US19950488292	19950607
US5842498 A	19981201	US19970974432	19971119
US5918415 A	19990706	US19950488289	19950607
US6612069 BB	20030902	US20010824986	20010402
US6729070 BA	20040504	US19990347506	19990702
WO9639801 A2	19961219	WO1996US10493	19960607
WO9639801 A3	19970206	WO1996US10493	19960607

Probable Assignee: LAZZZY WAY

Assignee(s):(std)**:** DUNBAR DANIEL P ; LAZZZY WAY ; LOCKE RANDAL D ; LOCKE TERESA M

Assignee(s): LOCKE TERESA MARIE ; LOCKE RANDAL D A ; LAZZZY WAY PATENT HOLDING AND MANAGEMENT CO ; DUNBAR DANIEL PAUL

Inventor(s):(std)**:** DANIEL P DUNBAR ; DUNBAR DANIEL P ; DUNBAR DANIEL PAUL ; LOCKE RANDAL D ; LOCKE RANDAL D A ; LOCKE TERESA M ; LOCKE TERESA MARIE ; RANDAL D LOCKE ; TERESA M LOCKE

Agent(s): PHILLIPS ORMONDE FITZPATRICK; JOHNSON ERNEST PETER

Designated states: AL AM AT AU AZ BB BE BF BG BJ BR BY CA CF CG CH CI CN CZ DE DK EE ES FI FR GB GE GR HU IE IL IS IT JP KE KG KP KR KZ LI LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG US UZ VN

International class (IPC 8–9): A01G25/00 A01G27/00 A01G31/02 A01G9/02 A01G9/10 E03D1/32 F16K21/18 F16K31/34 (Advanced/Invention); A01G27/00 A01G9/10 E03D1/30 F16K21/00 (Core/Invention)

International class (IPC 1–7): A01G23/00 A01G25/00 A01G27/00 A01G31/02 A01G9/02 A01K39/00 A01K7/00 F16K24/00 F16K31/128 F16K31/34 F16K31/385 F16K33/00

CPC: Y10T137/7339 Y10T137/7374 Y10T137/7413 Y10T137/7498 Y10T137/86324 E03D1/32 Y10T137/60 A01G27/00 F16K21/18 A01G9/00 A01G3/00

European class: A01G27/00 A01G9/10 E03D1/32 F16K21/18

US class: 119/74 137/315 137/315.07 137/403 137/414 137/426 137/453 137/587 47/1.01R 47/79 47/790 47/79P 47/81 47/85

Classification Explorer

Cited documents: US5918415 A, US5782035 A, US5761848 A, US5692338 A, US5678600 A, US5598865 A, US5557886 A, US5458087 A, US5412907 A, US5377621 A, US5358003 A, US5341596 A, US5301465 A, US5287882 A, US5255703 A, US5241784 A, US5222326 A, US5211204 A, US5069243 A, US5035257 A, US5020275 A, US5020261 A, US4945944 A, US4937972 A, US4887635 A, US4829709 A, US4790349 A, US4765363

A, US4753037 A, US4735230 A, US4716680 A, US4682550 A, US4574826 A, US4574522 A, US4562859 A, US4557071 A, US4546571 A, US4527354 A, US4510712 A, US4497132 A, US4442628 A, US4369598 A, US4356665 A, US4344251 A, US4329815 A, US4324070 A, US4299054 A, US4292996 A, US4286619 A, US4240606 A, US4198784 A, US4183175 A, US4182364 A, US4180096 A, US4175356 A, US4159102 A, US4148155 A, US4100928 A, US4100699 A, US4094327 A, US4083147 A, US4065095 A, US4052818 A, US3962822 A, US3903644 A, US3895645 A, US3871131 A, US3797518 A, US3783555 A, US3775904 A, US3759228 A, US3758987 A, US3733746 A, US3610478 A, US3596809 A, US3455055 A, US2827073 A, US2442927 A, NO109632 A, GB2194653 A1, GB2095083 A1, GB1373343 A, CH673076 A3, CH673076,

Forward Citations: WO12013935, WO09076505, WO05053378, WO0018216, USRE45837, USD790777, USD789621, USD788380, USD744172, USD743636, USD729989, USD720833, USD704383, USD678462, USD638588, USD623805, USD611662, USD561305, US9578818, US9521811, US9345460, US8992567, US8961541, US8925247, US8893432, US8857481, US8733291, US8651056, US8528252, US8528251, US8518063, US8499493, US8365320, US8281946, US8210447, US8091279, US8051603, US7988127, US7913451, US7856755, US7748347, US7743696, US7730666, US7659493, US7647938, US7634872, US7607260, US7516753, US7449332, US7448347, US7423243, US7293577, US7093391, US7089881, US7082717, US6955008, US6886589, US6814266, US6792891, US6782844, US6729070, US6684813, US6675533, US6640747, US6536160, US6484666, US6321487, US6237283, US6226921, US6223466, US6102067, US6079951, US6038814, US5983564, US5937574, US2017099791, US2016050857, US2015373935, US2015373933, US2015040471, US2014325905, US2014237897, US2014123557, US2013212942, US2013067811, US2013047507, US2012266535, US2012255226, US2012199245, US2012145843, US2012074178, US2011126777, US2011083761, US2010229464, US2010192463, US2010170448, US2010071255, US2010031568, US2009277085, US2009241848, US2009199472, US2009133636, US2009068729, US2009031629, US2008313960, US2008173245, US2008157016, US2008110089, US2008104749, US2008083163, US2008035068, US2007221133, US2007204857, US2007094928, US2007089366, US2007028846, US2006277825, US2006207661, US2006150505, US2006150497, US2006124878, US2005166853, US2005120626, US2005050798, US2004219665, US2004144026, US2004103851, US2004035466, US2002195470, US2002174599, EP1653016, CN102357010,

Abstract:
Source: US2002088175A Disclosed is a retrofittable aerating root pruner (RARP) adapted to be detachably mounted on the inner face of the side wall of a plant container having drain ports at the bottom of the side wall thereof, which is an elongate rectangular flat or hemi−cylindrical sheet member with wings along both its long sides which fit snugly against the inner face of the side wall of the plant container when the RARP to form a conduit extending to the bottom of the plant container. The RARP is mounted at its upper end to the upper edge of the plant container and at its bottom end by an extension which projects through a drain port and mounts on the outer surface of the bottom of the plant container. The upper portion of the sheet member is solid to restrict the amount of water which can flow directly into the conduit and exit out the drain port and the remainder contains a plurality of apertures so that the conduit provides ambient air access to the planting medium along the length of the and thereby promotes enhanced aeration of and uniform distribution of water in the planting and creates an air root pruning effect on the roots of a plant growing in the plant container. An apertured cutter plate which fits in the RARP can be used to mechanically sever plant roots which penetrate the RARP.

0) US2012048813A – WATER TREATMENT AND REVITALIZATION SYSTEM AND M...

4) Family number: 50736920 (US2012048813A) © PatBase

Title: WATER TREATMENT AND REVITALIZATION SYSTEM AND METHOD

Priority: US20100376447P 20100824 US20110213614 20110819 WO2011US48936 20110824 US20120620815 20120915

Family:

Publication number	Publication date	Application number	Application date
AP201306776 A0	20130331	AP20130006776	20110824
AR083732 AA	20130320	AR2011P103092	20110824
AU2011293417 AA	20120301	AU20110293417	20110824
AU2011293417 BB	20161006	AU20110293417	20110824
CA2809366 AA	20130225	CA20112809366	20110824
CL2013000522 A1	20131025	CL20130000522	20130222
CN103180253 A	20130626	CN201180051355	20110824
CN103180253 B	20151125	CN201180051355	20110824
CR20130143 A	20140204	CR20130000143	20130322
EA201390269 A1	20140130	EA20130090269	20110824
EP2609040 A2	20130703	EP20110820579	20110824
GT201300049 A	20140117	GT20130000049	20130222
IL224846 A0	20130430	IL20110224846	20110824
IN02606DN2013 A	20141114	IN2013DN02606	20130322
JP2013539414 T2	20131024	JP20130526125T	20110824
KR20140014063 A	20140205	KR20137007554	20110824
MX2013002107 A1	20131104	MX20130002107	20110824
MX343977 B	20161201	MX20130002107	20110824
SG187899 A1	20130328	SG20130012182	20110824
TW201237261 A	20120916	TW20110130296	20110824
US2012048813 AA	20120301	US20110213614	20110819
US2013008541 AA	20130110	US20120620815	20120915
US8623212 BB	20140107	US20120620815	20120915
US8636910 BB	20140128	US20110213614	20110819
WO12027451 A2	20120301	WO2011US48936	20110824
WO12027451 A3	20120614	WO2011US48936	20110824
ZA201302101 A	20150325	ZA20130002101	20130320

Probable Assignee: QWTIP LLC

Assignee(s):(std)**:** HIRSCHFELD LUIS OCTAVIO PEREZ ; IRVIN JR WHITAKER BEN ; IRVIN SR WHITAKER BEN ; IRVIN WHITAKER BEN SR ; QWTIP LLC

Inventor(s):(std)**:** IRVIN JR WHITAKER BEN ; WHITAKER BEN IRVIN SR ; IRVIN WHITAKER BEN ; IRVIN WHITAKER BEN SR ; HIRSCHFELD LUIS OCTAVIO PEREZ ; IRVIN SR WHITAKER BEN

Inventor(s): IRVIN SR ; LUIS OCTAVIO PEREZ HIRSCHFELD ; WHITAKER BEN IRVIN

Agent(s): HALFORDS IP; BLAKE CASSELS AND GRAYDON LLP; ESTUDIO CAREY LTDA; VIERING JENTSCHURA AND PARTNER; CAHN AND SAMUELS LLP; METZENTHIN GEORGE ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9):	B01D21/26 B01D21/30 B01D35/28 B01F5/12 B01F7/00 B01F7/22 C02F C02F1/00 C02F1/34 C02F1/46 C02F1/50 C02F1/68 C02F1/74 C02F3/00 C02F3/20 F03B3/04 F03B3/12 F04D1/00 F04D13/00 F04D13/06 F04D13/08 F15C1/16 (Advanced/Invention); B01F C02F F04D (Subclass/Invention)
CPC:	Y10T137/2087 B01D21/262 C02F1/005 C02F1/38 C02F1/48 C02F2103/42 C02F2301/026 C02F2303/04 F04D5/001 B01F5/12 C02F1/74
European class:	B01D21/26C C02F1/00M F04D5/00B M02F1/38 M02F1/48 M02F103/42 M02F301/02F M02F303/04
US class:	137/808 210/138 210/298 210/330 210/331 210/512.3 210/512.300S 210/780 210/787 415/220 415/90 55/345 55/403 55/406
Classification Explorer	
Cited documents:	WO09024154 A1, WO08054131 A1, WO04112938 A1, US7489060 BB, US7341424 BB, US6890443 BB, US6328527 BA, US6116430 A, US5778696 A, US5498329 A, US5254250 A, US5248238 A, US5215501 A, US4361490 A, US4118207 A, US4042351 A, US3632221 A, US2013008541 AA, US2012051908 AA, US2012048813 AA, US2011038707 AA, US2010180854 AA, US2010107647 AA, US2009314161 AA, US2008168899 AA, US2008067813 AA, US2007144956 AA, US2006272624 AA, US2006054549 AA, US2004159085 AA, US2004107681 AA, US2004009063 AA, US1061206 A, JP2009293984 A2, GB1262961 A, GB1187632 A, EP1770717 A1, CN1139184 A, AT196680 B, AT196680,
Forward Citations:	WO13181129, WO13029016, WO13029016, US9714176, US9707495, US9605663, US9474991, US9469553, US8636910, US8623212, US2016228797, US2015144478, US2014224722, US2014209535, US2014183144, TWI577441, KR101312498, CN103626343,

Abstract:
Source: US2012048813A A system and method are provided in at least one embodiment to filter water through a vortex leading into a disk–pack turbine having an expansion chamber and outlets into a discharge chamber that leads to at least one discharge port. In a further embodiment, the system includes an intake module, a vortex module, a disk–pack turbine module, and a motor for driving the disk–pack turbine. The intake module brings water into the system and routes the water to the vortex module that speeds up the water into a vortex that flows into the disk–pack turbine that discharges into a discharge chamber that leads to at least one discharge port. The disk–pack turbine includes a plurality of disks that are spaced apart forming chambers between the disks that provide at least one passageway between the expansion chamber and the discharge chamber.

0) US6236777B – RELIABILITY OF AN OPTICAL COMMUNICATION SYSTEM ...

5) Family number: 15419437 (US6236777B) © PatBase

Title: Reliability of an optical communication system and of an optical amplifying system, and a method suitable to this aim

Priority: CA19982237504 19980512 EP19970201441 19970513 US19980075868 19980512 US19970046591P 19970515 EP19980201477 19980506

Family:

Publication number	Publication date	Application number	Application date
AR012687 AA	20001108	AR1998P102202	19980512
AU199864776 A1	19981119	AU19980064776	19980507
AU752286 B2	20020912	AU19980064776	19980507
BRPI9806531 A	20010320	BR1998PI06531	19980513
CA2237504 AA	19981113	CA19982237504	19980512
DE69829330 D1	20050421	DE19986029330	19980506
DE69829330 T2	20060413	DE19986029330T	19980506
EP0878927 A1	19981118	EP19980201477	19980506
EP0878927 B1	20050316	EP19980201477	19980506
JP11046165 A2	19990216	JP19980130119	19980513
JP4095159 B2	20080604	JP19980130119	19980513
NZ330390 A	20000128	NZ19980330390	19980507
US6236777 BA	20010522	US19980075868	19980512

Probable Assignee: PIRELLI SUBMARINE TELECOM SYSTEMS ITALIA SPA

Assignee(s):(std)**:** PIRELLI CAVI E SISTEMI SPA ; PIRELLI SUBMARINE TELECOM SYST ; PIRELLI SUBMARINE TELECOM SYSTEMS ITALIA S P A ; PIRELLI CAVI E SISTEMI S P A ; PIRELLI SUBMARINE TELECOM SYSTEMS ITALIA SPA

Assignee(s): PIRELLI SUBMARINE TELECOM SYSTEMS ITALIA S P A MAI ; PIRELLI SUBMARINE TELECOM SYSTEMS ITALIA S P A MAILAND MILANO ; PIRELLI CAVIE SISTEMI SPA ; PIRELLI CAVI AND SYST SPA ; ALCATEL LUCENT ; BENTIVOGLIO RAVASIO FILIPPO ; CREDIT SUISSE AG ; OTTOLENGHI PAOLO

Inventor(s):(std)**:** FILIPPO BENTIVOGLIO RAVASIO ; PAOLO OTTOLENGHI ; RAVASIO FILIPPO BENTIVOGLIO ; OTTOLENGHI PAOLO ; BENTIVOGLIO RAVASIO FILIPPO

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; KIRBY EADES GALE BAKER

Designated states: DE ES FR GB GR IT SE

International class (IPC 8–9)**:** G02B6/26 H01S3/06 H01S3/091 H01S3/10 H04B10/00 H04B10/16 H04B10/17 H04B10/291 (Advanced/Invention); G02B6/26 H01S3/091 H04B10/16 H04B10/17 (Advanced/Non–invention); G02B6/26 H01S3/06 H01S3/091 H01S3/10 H04B10/00 H04B10/16 H04B10/17 (Core/Invention)

International class (IPC 1–7)**:** G02B6/26 G02B6/28 H01S3/06 H01S3/091 H01S3/10 H04B10/00 H04B10/16 H04B10/17

CPC: H04B10/2918 H04B2210/003

European class: H04B10/2918 T04B210/00A

US class: 359/341.33 372/6 385/24

Classification Explorer

Cited documents: WO9205642 A1, US5890816 A, US5253104 A, US5241414 A, US5204923 A, US5185826 A, US5173957 A, GB2284926 A1, GB2272102 A1, EP0621663 A1, EP0508880 A1,

Forward Citations: US7068945, US6956693, US6894831, US6704136, US6631026, US6618195, US6606188, US2005226614, US2004114213, US2004042064, US2002154390, JP2015023404, JP2009260372, JP2008306081,

Abstract:
Source: US6236777B An improvement in the reliability of an optical communication system comprising two optical fiber lines, a first transmitter for transmitting at least a signal in the first optical line, a second transmitter for transmitting at least a signal in the second optical line, at least one two−stage−amplifier in each of said first and second line, laser pumps providing pumping signals to said stages of the amplifiers, a first receiver for receiving the signal from the first optical line, and a second receiver for receiving the signal from the second optical line, wherein said laser pumps form a single system that provides a first pumping signal to at least one stage of said at least one amplifier of each of said first and second line.

0) WO11049537A2 – CEPMATIK CEPMATIK

6) Family number: 48789038 (WO11049537A2) © PatBase

Title: CEPMATIK

Priority: TR20090007930 20091021

Family:

Publication number	Publication date	Application number	Application date
TR200907930 A2	20110121	TR20090007930	20091021
WO11049537 A2	20110428	WO2010TR00206	20101021
WO11049537 A3	20110630	WO2010TR00206	20101021

Probable Assignee: SECKIN ALI

Assignee(s):(std)**:** ALI SECKIN ; SECKIN ALI

Assignee(s): AL SECK N

Inventor(s):(std)**:** ALI SECKIN ; SECKIN ALI

Inventor(s): AL SECK N

Agent(s): MURAT YE ILYURT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): G06K5/00 G08B21/22 (Advanced/Invention)

CPC: G08B21/22

European class: G08B21/22

Classification Explorer

Cited documents: US7385515 BA, US2005184870 AA, JP2006300734 A2, JP2005086405 A2,

Abstract:
The invention is a communication tool having more than one function. It provides advantages in terms of users to have information about other users to the extent that the user let them or in terms of the capability of following information and documents which have to be under the government's control.

0) US2011154985A – WATER, LIGHT AND AIRFLOW CONTROL SYSTEM AND CON...

7) Family number: 44666865 (US2011154985A) © PatBase

Title: WATER, LIGHT AND AIRFLOW CONTROL SYSTEM AND CONFIGURATION FOR A PLANT AIR PURIFIER

Priority: US20080098314P 20080919 US20090060668 20090918 US20090062580 20090911 US20110060668 20110224 US20110062580 20110307 US20100314215P 20100316 WO2009US56581 20090911 US20110334260 20111222 US20110580159 20110310 US20130873927 20130430 US20130858851 20130408 US20120580159 20120821 US20120624831P 20120416 US20120642835P 20120504 WO2009US57392 20090918 WO2011US27860 20110310 WO2013US38843 20130430

Family:

Publication number	Publication date	Application number	Application date
CA2736254 AA	20110304	CA20092736254	20090911
CA2736271 AA	20110304	CA20092736271	20090918
CA2828602 AA	20130828	CA20112828602	20110310
CN102215939 A	20111012	CN200980146054	20090911
CN102215940 A	20111012	CN200980146055	20090918
EP2845335 A1	20150311	EP20130726908	20130430
IN02028CN2011 A	20120203	IN2011CN02028	20110323
IN02029CN2011 A	20120203	IN2011CN02029	20110323
US2011154985 AA	20110630	US20090060668	20090918
US2011162273 AA	20110707	US20090062580	20090911
US2012090232 AA	20120419	US20110334260	20111222
US2012311926 AA	20121213	US20110580159	20110310
US2013295980 AA	20131107	US20130873927	20130430
US2013297335 AA	20131107	US20130858851	20130408
US8083835 BB	20111227	US20090062580	20090911
US8454729 BB	20130604	US20110334260	20111222
US8894741 BB	20141125	US20090060668	20090918
US9010019 BB	20150421	US20110580159	20110310
WO10033423 A1	20100325	WO2009US56581	20090911
WO10033752 A1	20100325	WO2009US57392	20090918
WO10033752 A4	20100527	WO2009US57392	20090918
WO11115806 A2	20110922	WO2011US27860	20110310
WO11115806 A3	20120119	WO2011US27860	20110310
WO11115806 A4	20120308	WO2011US27860	20110310
WO13166002 A1	20131107	WO2013US38843	20130430

Probable Assignee: MITTELMARK MARC A

Assignee(s):(std): CORNING MOBILEACCESS LTD ; CORNING OPTICAL COMM WIRELESS LTD ; MITTELMARK MARTIN ; MARTIN MITTELMARK ; WOLVERTON BILLY C ; REUVEN RAMI ; SABAN OFER ; SHAPIRA ISAAC

Assignee(s): MITTELMARK MICHAEL ; MITTELMARK ZACKARY ; MITTELMARK MICHAEL MR ; MITTELMARK ZACKARY MR ; MITTELMARK ZACHARY ; MITTELMARK MARC A ; MITTELMARK MARC ANTHONY ; CORNING OPTICAL COMMUNICATIONS WIRELESS LTD ; MITTELMARK MATTHEW ; MITTELMARK MATTHEW MR ; MITTELMARK MARC A MR ; BSHARA PRISCILLA ; BSHARA PRISCILLA MS

Inventor(s):(std): WOLVERTON BILLY C ; MITTELMARK MARTIN ; SHAPIRA ISAAC ; SABAN OFER ; REUVEN RAMI ; MARTIN MITTELMARK

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; RICHES MCKENZIE AND HERBERT LLP; STURM CHRISTOPH; JAY R; YABLON JAY R; MONTGOMERY C KEITH

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE

GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01G1/00 A01G13/02 A01G17/06 A01G17/14 A01G25/00 A01G27/00 A01G31/00 A01G9/02 A01G9/16 A01G9/18 A01M7/00 A61L2/10 B01D46/00 B01D47/00 B01D53/14 B01D53/34 B01D53/84 B08B3/02 F21S4/00 F21V9/00 F24F13/00 F24F3/16 G06Q40/08 G06Q50/22 H04B17/00 H04W88/08 H05B37/02 (Advanced/Invention); B01D53/84 (Advanced/Non–invention); A01G27/00 A01G9/02 B01D53/84 F24F3/16 (Core/Invention)

CPC: G06Q40/08 G06Q50/22 B01D53/84 A01G27/00 B01D2257/708 F24F3/16 F24F2003/1653 H04B17/0055 H04B17/345 B01D2259/4508

European class: A01G27/00 B01D53/84 F24F3/16 L01D257/708 L01D259/45B L01D53/84 R24F3/16B25

US class: 134/199 250/492.1 250/492.100S 315/152 315/152S 362/231 362/249.02 362/249.020S 455/226.3 455/514 47/1.7 47/17 47/20.1 47/20.100S 47/44 47/45 47/45S 47/46 47/46S 47/58.1LS 47/59R 47/59S 47/65 47/66.6 47/66.600P 47/66.7 47/66.700P 47/66.700S 47/77 47/79 47/79S 705/2 95/1 95/149 95/1P 95/210 95/23 95/24 95/26 95/90 96/109 96/109S 96/115 96/115S 96/224 96/290 96/417 96/422 96/424

Classification Explorer

Cited documents: WO9729608 A1, WO9321755 A1, WO10033752 A1, WO10033423 A1, WO09131008 A1, WO09048925 A2, US8707619 BB, US8660945 BA, US8083835 BB, US7489641 BB, US6921182 BB, US6727091 BB, US6663769 BB, US6616736 BB, US6230437 BA, US6197094 BA, US6006471 A, US6000559 A, US5934017 A, US5905776 A, US5867763 A, US5833293 A, US5756047 A, US5433923 A, US5430972 A, US5407470 A, US5397382 A, US5315834 A, US5277877 A, US5269094 A, US5217696 A, US5130091 A, US5089036 A, US5078972 A, US5044120 A, US4975251 A, US4961763 A, US4852806 A, US4844874 A, US4784835 A, US4315599 A, US4262656 A, US3991514 A, US3969479 A, US3717953 A, US3663762 A, US2011162273 AA, US2011094156 AA, US2009064858 AA, US2008189182 AA, US2008120139 AA, US2007261558 AA, US2007144067 AA, US2007058368 AA, US2005274663 AA, US2005186108 AA, US2004230102 AA, US2003022645 AA, US2002073613 AA, GB2307162 A1, GB2297087 A1, EP2042813 A1, EP1563891 A1, EP1416229 A2, EP0478203 A1, DE19739060 A1, DE19521239 A1, CH654978,

Forward Citations: WO17035254, WO16199130, WO16046827, WO15191687, WO15188145, WO15126993, WO15116641, WO15013670, WO14123722, US9720197, US9717221, US9715242, US9699723, US9685782, US9681396, US9655195, US9653861, US9642209, US9603155, US9602209, US9602176, US9585920, US9568147, US9565596, US9547145, US9534800, US9515855, US9509133, US9497706, US9473228, US9468166, US9457077, US9419712, US9408880, US9382706, US9323020, US9252874, US9241453, US9227155, US9219546, US9191105, US9160449, US9074366, US9032665, US9010019, US8894741, US8752327, US8590207, US8454729, US8083835, US2017118964, US2016242244, US2016120139, US2015289452, US2015237811, US2015231548, US2015222348, US2015208598, US2015096228, US2015025738, US2014366445, US2014322071, US2014308044, US2014308043, US2014259921, US2014137468, US2014060164, US2014026474, US2013305606, US2013160363, US2013055634, US2013006401, US2012326610, US2012311926, US2012054061, US2011154985, KR20160114621, KR101727443, GB2534572, EP3172960, EP2608869, EP2608869, CN106014139, CN105664628, CN105518546, CN105283068, CN105148722, CN104995460, CN104969849, CN104613551, CN104396594, CN104350969, CN104307356, CN103299849, CN103157373,

Abstract:
Source: US2011154985A A plant air purifier and associated method for purifying air, comprising: at least one grow container; a filter bed comprising a surface which is horizontal within 20 degrees of a horizontal plane; at least one plant which grows within the filter bed; a reservoir for containing water for watering the at least one plant; a mechanical watering device which waters the filter bed from the top down; a pump for pumping water from the reservoir to and through the mechanical watering device; and an air propulsion mechanism for propelling air through the filter bed.

0) US2006027482A – JUMPER CABLE BAG

8) Family number: 32610945 (US2006027482A) © PatBase

Title:	JUMPER CABLE BAG
Priority:	US20040910517 20040803

Family:

Publication number	Publication date	Application number	Application date
US2006027482 AA	20060209	US20040910517	20040803

Probable Assignee:	PEARSON DAVID A
Assignee(s):(std)**:**	PEARSON DAVID A
Inventor(s):(std)**:**	PEARSON DAVID A
Inventor(s):	PEARSON DAVID ANDREW ; PEARSON DAVID
Agent(s):	DAVID PEARSON
International class (IPC 8–9)**:**	B65D85/00 B65H55/00 (Advanced/Invention); B65D85/00 B65H55/00 (Core/Invention)
CPC:	A45C13/08 B65H75/362 G09F21/04 G09F23/02
European class:	B65H75/36B G09F21/04 G09F23/02 K45C13/08
US class:	206/388 206/388S 206/459.5 206/459.500S 206/702

Classification Explorer

Cited documents:	US6155870 A, US4840497 A, US4037720 A, US3741382 A,
Forward Citations:	US7946056, US7687700, US2013092285, US2011017529, US2009183383,

Abstract:
Source: US2006027482A Jumper cable bag with wordage on it so that it can double as a sign to request a jump start.

9) Family number: 66149440 (US2017173203A) © PatBase

Title: METHOD AND SYSTEM OF A NETWORKED SCENT DIFFUSION DEVICE

Priority: US20150269822P 20151218 US20160382150 20161216

Family:

Publication number	Publication date	Application number	Application date
US2017173203 AA	20170622	US20160382150	20161216

Probable Assignee: YANKEE CANDLE CO INC

Assignee(s):(std)**:** YANKEE CANDLE CO INC

Inventor(s):(std)**:** BECKER TODD H ; LANGTON DAVID L

International class (IPC 8–9): A61L9/12 A61L9/14 (Advanced/Invention)

CPC: A61L9/14 A61L9/12 A61L9/122 A61L2209/111 A61L2209/134 A61L2209/133 A61L2209/16

Classification Explorer

Abstract:
Source: US2017173203A A diffusion device for atomizing liquids includes a floating magnet disposed within a track inside at least one package with liquid for the atomizing diffusion device, wherein as a liquid level inside the package changes, the floating magnet moves substantially vertically along the track, a plurality of Hall effect sensors or Hall effect switches disposed outside the liquid at various positions, the Hall effect sensors or Hall effect switches each generating an output voltage in response to a magnetic field of the floating magnet, and a processor that receives the output voltages and fits them to a model that includes the floating magnet position with respect to various sets of output voltages to determine a position of the floating magnet with respect to the Hall effect sensors.

0) AU2008203801A – MOBILE PLANTER UNIT

10) Family number: 43087074 (AU2008203801A) © PatBase

Title: Mobile planter unit

Priority: AU20070904290 20070809 AU20080203801 20080811

Family:

Publication number	Publication date	Application number	Application date
AU2008203801 AA	20090312	AU20080203801	20080811

Probable Assignee: HUNTER CORP AUST PTY LTD

Assignee(s):(std): HUNTER CORP AUST PTY LTD

Assignee(s): HUNTER AUST PTY LTD CORP

Inventor(s):(std): ALDERTON TARA ; ROSE MIKE

Inventor(s): TARA ALDERTON ; MIKE ROSE

Agent(s): ACTUATE IP

International class (IPC 8–9): A01G27/00 A01G9/02 (Advanced/Invention); A01G27/00 A01G9/02 (Core/Invention)

CPC: A01G9/00

European class: A01G9/00

Classification Explorer

Forward Citations: FR2958830,

Abstract:
Source: AU2008203801A 0 0 The present invention provides a mobile planter unit including a body portion having a frame assembly with height adjustment and a mobility means, a cover, a modular planter tray having at least one aperture for receiving and holding a plant container therein, at least one shelf and/or drip tray, at least one water storage vessel for capturing and recycling excess water from the plant containers and a manual and/or self–watering system connected to said water storage vessels for recycling collected water to water plants grown in the unit. 0 0 C0 53 12 61 tFigure I 52 53 I1I is 12 –61 Figure 2

0) US2009031629A – GARDEN OR PLANTER SYSTEM WITH ELEVATED BED AND ...

11) Family number: 42906787 (US2009031629A) © PatBase

Title: GARDEN OR PLANTER SYSTEM WITH ELEVATED BED AND WATER RESERVOIR

Priority: US20070934194P 20070612 US20080157715 20080612

Family:

Publication number	Publication date	Application number	Application date
US2009031629 AA	20090205	US20080157715	20080612
US7856755 BB	20101228	US20080157715	20080612

Probable Assignee: RIESTERER DONALD L

Assignee(s):(std)**:** RIESTERER DONALD L

Inventor(s):(std)**:** RIESTERER DONALD L

Agent(s): KAGAN BINDER PLLC

International class(IPC 8–9)**:** A01G25/00 A01G9/02 (Advanced/Invention); A01G9/02 (Core/Invention)

CPC: A01G9/02

European class: A01G9/02

US class: 47/66.7 47/66.700P 47/79 47/79S

Classification Explorer

Cited documents: US7000351 BB, US6874278 BB, US6698136 BA, US6237283 BA, US6226921 BA, US6205706 BA, US5921025 A, US5918415 A, US5852895 A, US5555675 A, US5535542 A, US5524387 A, US5426889 A, US5379547 A, US5193306 A, US5103584 A, US4962613 A, US4236352 A, US4052818 A, US3906667 A, US3451162 A, US283966 A, US2009031629 AA, US2007180766 AA, US2005120625 AA, US2002073615 AA,

Forward Citations: WO12167615, WO12167596, US9516821, US7856755, US2016316637, ES2432841, CN104904510,

Abstract:
Source: US2009031629A Described is a planter system, comprising: at least one water retaining vessel; a bedding material layer disposed above the at least one water retaining vessel; a structure surrounding the at least one water retaining vessel and the bedding material layer; and at least one fill tube extending from above the bedding material layer, through the bedding material layer, and into the at least one water retaining vessel, through which water is supplied to the at least one water retaining vessel to a predetermined level. Also, a method of making such a planter system having an elevated bedding material layer.

0) EP0528124A1 – BURIAL CRYPT. GRABKAMMER. CAVEAU FUNERAIRE.

12) Family number: 17833753 (EP0528124A1) © PatBase

Title: Burial crypt.

Priority: DE19910008485U 19910605 DE19914118408 19910605 DE19910009652U 19910803 DE19925009925 19920603 DE19910009653U 19910803 EP19920109351 19920603

Family:

Publication number	Publication date	Application number	Application date
AT207571 E	20011115	AT19920109351T	19920603
DE4118408 A1	19921210	DE19914118408	19910605
DE59209925 D1	20011129	DE19925009925	19920603
DE9108485 U1	19911010	DE19910008485U	19910605
DE9109652 U1	19911024	DE19910009652U	19910803
DE9109653 U1	19911024	DE19910009653U	19910803
EP0528124 A1	19930224	EP19920109351	19920603
EP0528124 B1	20011024	EP19920109351	19920603
EP1118737 A2	20010725	EP20010107209	19920603
EP1118737 A3	20020123	EP20010107209	19920603
EP1118738 A2	20010725	EP20010107210	19920603
EP1118738 A3	20020123	EP20010107210	19920603

Probable Assignee: ACKERMANN GUENTER

Assignee(s):(std)**:** ACKERMANN GUENTER ; ACKERMANN GUENTHER ; ACKERMANN RENATE

Assignee(s): ACKERMANN GUENTHER 7141 MOEGLINGEN DE

Inventor(s):(std)**:** ACKERMANN GUENTER ; ACKERMANN GUENTHER

Inventor(s): ACKERMANN GUENTHER 7141 MOEGLINGEN DE

Designated states: AT BE CH DE DK FR GB IT LI NL SE

International class(IPC 8–9)**:** E04H13/00 (Advanced/Invention)

International class(IPC 1–7)**:** E04H13/00

CPC: E04H13/00

European class: E04H13/00

Classification Explorer

Cited documents: US4977652 A, US3772826 A, FR48301 E, FR2663667 A1, FR2620753 A1, FR2461795 A1, FR2133476 A1, DE6801899 U, DE510244 A, DE3537367 C2, DE3537367 A1, DE3534327 C1, DE3150023 A1, DE3035578 A1, DE2059547 A1, BE395521 A,

Forward Citations: EP1469145, EP1273742, EP1099809, EP0791702, DE4422144, DE4405395, DE19953740, DE19807173, DE19606583, DE19539109, DE19500312, DE19500312,

Abstract:
The burial crypt (20) has at least one crypt ring (23), closed all around, or a base pan (24). The crypt ring (23) can be closed at the bottom by an insertion base in the form of baseplates (34). A trough (25) containing an earth covering (52) is present as a lid. There is at least one passage opening (59) in the base (46) of the trough (25). Attached to the passage opening (59) is a gas lock (58) which on the one hand permits a gas exchange and on the other hand prevents the ingress of water. The gas lock (58) is covered by the earth covering (52), which forms an odour filter. The trough (25) is completely surrounded at a certain distance by supporting walls (26).

0) US2011232185A – COLLAPSIBLE RACK AND ROW PLANTERS

13) Family number: 49623927 (US2011232185A) © PatBase

Title: COLLAPSIBLE RACK AND ROW PLANTERS

Priority: US20100798002 20100329

Family:

Publication number	Publication date	Application number	Application date
US2011232185 AA	20110929	US20100798002	20100329

Probable Assignee: AHMADI WILLIAM

Assignee(s):(std)**:** AHMADI WILLIAM

Inventor(s):(std)**:** AHMADI WILLIAM

International class (IPC 8–9)**:** A01G9/02 (Advanced/Invention)

CPC: A01G27/04 A01G9/16 A01G27/005 Y02P60/124

European class: A01G27/00E A01G27/04 A01G9/16

US class: 47/66.6 47/66.600P

Classification Explorer

Cited documents: US7176024 BB, US7020997 BA, US6622425 BB, US5673511 A, US5409510 A, US5307589 A, US4468885 A, US2008120902 AA, US2005091916 AA, US2001047617 AA,

Forward Citations: CN105145291,

Abstract:
Source: US2011232185A A collapsible rack and row self watering planter and rain water collection system consists of a fully enclosed frame of columns and rows of planters used to grow crops or plants on a small or large scale. Each row of planters consists of at least one horizontal wick tube spanning the distal length of said row, whereby each planter of said row is individually irrigated by means of a plurality of rubber wick hoses which in turn are fed from the horizontal wick tube. Rain channels and gutters are built along the perimeter of said unit to catch and store rain water in the poly mesh storage reservoir. A solar panel sits aside or atop the unit to gather solar energy and in addition, when mounted atop said frame, provides shading for the planters. A plurality of wind turbines are mounted along the main frame atop, or beside the unit and act to gather wind energy. Both solar and wind energy are stored in battery units or sent to nearby power grids.

0) DE8415025U1 –

14) Family number: 17600843 (DE8415025U1) © PatBase

Priority: DE19840015025U 19840517

Family:

Publication number	Publication date	Application number	Application date
DE8415025 U1	19881103	DE19840015025U	19840517

Probable Assignee: BLOCK HUBERT K 5275 BERGNEUSTADT DE

Assignee(s): BLOCK HUBERT K 5275 BERGNEUSTADT DE

International class (IPC 8–9): A01G27/02 (Advanced/Invention); A01G27/00 (Core/Invention)

International class (IPC 1–7): A01G27/00 A01G31/02

CPC: A01G27/02

European class: A01G27/02

Classification Explorer

Abstract:
Source: DE8415025U1 (Claim 1) langzeitversrungs–Vorrichtung fuer Pflanzen Suctznsprueche: 1. Langzeitversorgungs–Vorrichtung fuer Pflanzen, insbesondere solche in der Erd.– Hydro– und Heterokutur, gegennzeichnet durch eimen Poflanztofp (1) mit granulatumlagertem (7, 7a), hochgeagertem (1a) festem bzw.

Machine translation: (Claim 1) long–term verse run gs device for plants Suctznsprueche: 1. Long–term supplying device for plants, in particular such in ground. – Hydraulic and Heterokutur, against–drawn through eimen Poflanztofp (1) with granulatumlagertem (7, 7a), hochgeagertem (1a) firm and/or.

15) Family number: 32453160 (US2008220038A) © PatBase

Title: NEMATICIDAL COMPOSITIONS AND METHODS OF USING THEM

Priority:

EP20050744354	20050520	EP20110158037	20050520	JP20070517431	20050520
US20040572892	20040520	US20050586597	20050124	US20040572892P	20040520
US20040538627P	20040123	US20040572804P	20040520	JP20070517431T	20050520
US20050597116	20050520	WO2005GB02011	20050520	WO2005GB00240	20050124

Family:

Publication number	Publication date	Application number	Application date
AP200603724 A0	20061031	AP20060003724	20050124
AP200603845 A0	20051231	AP20060003845	20050520
AP2195 A	20110110	AP20060003724	20050124
AP2919 A	20140531	AP20060003845	20050520
AU2005207622 AA	20050804	AU20050207622	20050124
AU2005207622 BB	20101028	AU20050207622	20050124
AU2005245190 AA	20051201	AU20050245190	20050520
AU2005245190 BB	20111110	AU20050245190	20050520
BRPI0507031 A	20070605	BR2005PI07031	20050124
BRPI0511441 A	20071226	BR2005PI11441	20050520
CA2567333 AA	20061116	CA20052567333	20050520
CA2567333 C	20141125	CA20052567333	20050520
CN1997446 A	20070711	CN200580024514	20050520
CN1997446 B	20120104	CN200580024514	20050520
CY1114597 T1	20161005	CY20131100997T	20131111
CY1116290 T1	20170208	CY20141100317T	20140505
DE602005040858 D1	20131010	DE200560040858T	20050520
DE602005042715 D1	20140320	DE200560042715T	20050520
DK1753529 T3	20131111	DK20050744354T	20050520
DK2338332 T3	20140512	DK20050158037T	20050520
EP1711058 A2	20061018	EP20050708211	20050124
EP1753529 A1	20070221	EP20050744354	20050520
EP1753529 B1	20130814	EP20050744354	20050520
EP2338332 A2	20110629	EP20110158037	20050520
EP2338332 A3	20110914	EP20110158037	20050520
EP2338332 B1	20140212	EP20110158037	20050520
ES2434415 T3	20131216	ES20050744354T	20050520
ES2461178 T3	20140519	ES20110158037T	20050520
HR20131050 T1	20131206	HR20130001050	20131106
HR20140365 T1	20140523	HR20140000365	20140422
IN07201DN2006 A	20070817	IN2006DN07201	20061129
JP2007538062 T2	20071227	JP20070517431T	20050520
JP2014028838 A2	20140213	JP20130197242	20130924
JP5986707 B2	20160906	JP20070517431T	20050520
JP6148949 B2	20170614	JP20130197242	20130924
MXPA06013420 A1	20070301	MX2006PA13420	20050520
NO20065355 A	20070220	NO20060005355	20061122
NO334975 B1	20140811	NO20060005355	20061122
NZ551644 A	20100625	NZ20050551644	20050520
PT1753529 T	20131118	PT20050744354T	20050520

PT2338332 T	20140515	PT20110158037T	20050520	
SI1753529 T1	20131231	SI20050031793T	20050520	
SI2338332 T1	20140630	SI20050031848T	20050520	
US2008220038 AA	20080911	US20050586597	20050124	
US2010040656 AA	20100218	US20050597116	20050520	
US9655360 BB	20170523	US20050586597	20050124	
WO05070213 A2	20050804	WO2005GB00240	20050124	
WO05070213 A3	20050915	WO2005GB00240	20050124	
WO05113128 A1	20051201	WO2005GB02011	20050520	
ZA200610427 A	20080130	ZA20060010427	20061212	

Probable Assignee: EDEN RESEARCH PLC

Assignee(s):(std)**:** CLOUD ELIZABETH ; EDEN RES PLC ; EDEN RESEARCH PLC ; FRANKLIN LANNY ; OSTROFF GARY ; KNAPP LANNA ; FRANKLIN RUDESEAL LANNA

Assignee(s): FRANKLIN LANNY U ; EDEN RESEARCH PLC EASINGWOLD ; EDEN RESEARCH PLCTHE HAWK CREATIVE BUSINESS PARKTHE HAWKHILLS ESTATEEASINGWOLDNORTH YORKSHIERYO61 3FE YORKGB

Inventor(s):(std)**:** CLOUD ELIZABETH ; FANKLIN LANNY ; FRANKLIN LANNY ; GARY FRANKLIN LANNY OSTROFF ; KNAPP LANNA ; OSTROFF GARY ; FRANKLIN LANNY U ; LANNY FRANKLIN ; GARY OSTROFF

Inventor(s): FRANKLIN LANNY UUS ; OSTROFF GARYUS ; OSTROFF GARY WORCESTER ; FRANKLIN LANNY ATLANTA ; FRANKLIN LANNY OSTROFF GARY

Agent(s): IP GATEWAY PATENT AND TRADEMARK ATTORNEYS PTY LTD; IP GATEWAY PATENT AND TRADE MARK ATTORNEYS PTY LTD; WRAYS; IP GATEWAY PATENT AND TRADEMARK ATTORNEYS; GOWLING LAFLEUR HENDERSON LLP; GILHOLM STEPHEN PHILIP; DRYSDALE DOUGLAS STANDEN; TRULLOLS MARIA DEL CARMEN; BALLARD SPAHR ANDREWS AND INGERSOLL LLP; BALLARD SPAHR LLP; AKERMAN LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A01M17/00 A01N25/00 A01N25/02 A01N25/04 A01N25/08 A01N25/10 A01N25/12 A01N25/16 A01N25/22 A01N25/26 A01N25/28 A01N25/30 A01N25/34 A01N27/00 A01N31/00 A01N31/02 A01N31/04 A01N31/06 A01N31/08 A01N31/16 A01N35/02 A01N35/04 A01N35/06 A01N49/00 A01P1/00 A01P3/00 A01P5/00 A23K1/16 A23K20/105 A23K20/111 A23L1/30 A23L33/105 A61K31/045 A61K31/05 A61K31/085 A61K31/11 A61K31/122 A61K45/00 A61K47/04 A61K47/10 A61K47/14 A61K47/20 A61K47/22 A61K47/26 A61K47/34 A61K47/36 A61K47/42 A61K47/44 A61K47/46 A61K47/48 A61K47/50 A61K9/08 A61K9/10 A61K9/14 A61K9/16 A61K9/20 A61K9/48 A61K9/50 A61K9/62 A61P31/00 A61P31/04 A61P31/10 A61P43/00 B01J13/02 B01J13/04 B01J13/20 B01J2/02 C12N1/16 (Advanced/Invention); A01N25/28 A01N31/02 A01N31/08 A01N31/16 A01N35/02 A01N35/06 (Advanced/Non–invention); A01N25/00 A01N25/26 A01N27/00 A01N31/00 A01N35/00 A01N49/00 A01P1/00 A01P3/00 A01P5/00 A61K9/00 B01J13/00 (Core/Invention); A01N A61K B01J (Subclass/Invention)

International class (IPC 1–7): A01N25/28 A01N27/00 A01N31/02 A01N31/04 A01N31/08 A01N31/16 A01N35/02 A01N35/04 A01N35/06 A01N61/00 A61K9/50 B01J13/02

CPC: A01N25/26 A61K9/5036 A61K9/5068 B01J13/203 B01J13/206 A01N35/04 A01N25/28 A01N27/00 A01N31/02 A01N31/04 A01N31/08 A01N31/16 A01N35/02 A01N35/06 A01N49/00 A01N63/04 A01N2300/00

European class: A01N25/26 A01N25/28 A01N27/00 A01N31/02 A01N31/04 A01N31/08 A01N31/16 A01N35/02 A01N35/04 A01N35/06 A01N49/00 A61K9/50H8B B01J13/20B B01J13/20D K61K9/50H6F

US class: 424/405 424/405P 424/417 424/417P 424/489 424/489S 514/458 514/458S 514/690 514/690S 514/692 514/692S 514/703 514/703S 514/717 514/717S 514/724 514/724S 514/725 514/725S 514/731 514/731S 514/739 514/739S 514/762 514/762S 514/764 514/764S 514/766 514/766S

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Forward Citations: WO16124927, WO15073439, WO14147199, WO14134709, WO14080199, WO14080199, WO14005034, WO13055920, WO11031287, WO09133642, WO08142029, WO08126057, WO08126057, WO08122728, WO08122728, WO07063268, WO07063267, WO06120567, WO06120567, WO05113128, US9693941, US9682135, US9655360, US9585383, US9439416, US9426948, US9340786, US9080171, US8865230, US8815818, US8637045, US8629086, US8609084, US8580275, US8404279, US8389485, US8323644, US8007814, US7906492, US7740861, US2016029627, US2015289503, US2010311590, US2010272818, US2010221357, US2010136102, US2010040656, US2009226528, US2009209624, US2008220038, US2006083718, US2005281781, JP5323817, JP2016503427, JP2015500819, JP2014509845, JP2014210788, JP2013059314, JP2012072179, JP2010526855, JP2009520777, JP2009517447, JP2009265053, JP2008503472, FR2978967, FR2914146, EP2982244, EP2866568, EP2861218, EP2787828, EA014069, DE102009040624, CN105053059, CN103598241, CN102655742, AU2015202495, AU2013349461, AU2010293048, AU2008252991, AU2006321415, AP2919, AP2901, AP2465,

Abstract:
Source: US2008220038A There is disclosed method of killing nematodes comprising the step of applying an effective amount of a nematicidal composition comprising a terpene component and compositions suitable for use in the method. The terpene component is preferably in association with water, either as a solution or a suspension. An excipient may also be included, which is suitably hollow glucan particles which encapsulate the terpene component.