

Search history

Search 1: CAPSULE (Results 318634)
Search 2: filter (Results 1000000)
Search 3: drink (Results 168837)
Search 4: beverage (Results 215792)
Search 5: container (Results 1000000)
Search 6: cartridge (Results 473764)
Search 7: 1 and 2 (Results 65966)
Search 8: 3 and 4 (Results 48698)
Search 9: 5 and 6 (Results 84322)
Search 10: 7 and 8 (Results 1616)
Search 11: 9 and 10 (Results 246)
Search 12: liquid (Results 1000000)
Search 13: 11 and 12 (Results 228)
Search 14: axis (Results 1000000)
Search 15: body (Results 1000000)
Search 16: 14 and 15 (Results 1000000)
Search 17: 16 and 13 (Results 81)

1) Family number: 73507027 (US2019105460A)

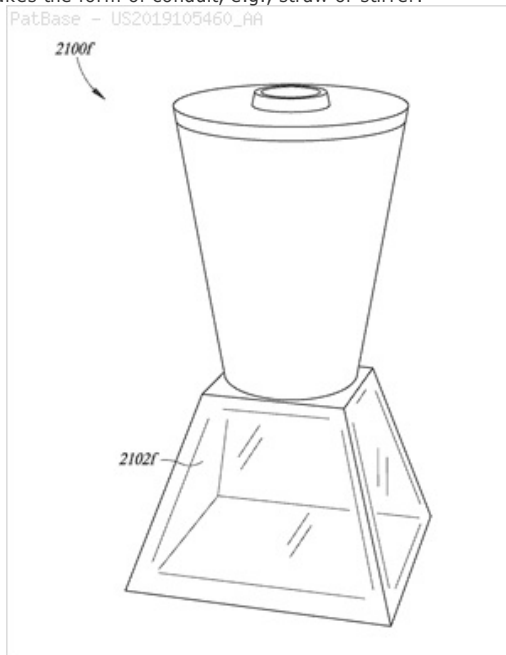
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Title: COMPOSITIONS, SYSTEMS, METHODS, AND ARTICLES FOR RETRO-NASAL DELIVERY

Abstract: A system to provide active agent (e.g., scent molecules) includes a delivery system that may include a reservoir, an actuator (e.g., nebulizer), and a fluidly communicative scent path through which a vapor or aerosol may be supplied or dispensed, the vapor or aerosol comprising readily-soluble droplets having a median size range of approximately 2 microns to approximately 50, 20, or 10 microns for introduction to an animal via a retro-nasal route. The vapor or aerosol may be dispensed below a top of the vessel, in a direction that at least initially retains the vapor or aerosol in the vessel. The system may include a base to support or secure the vessel, a cover to close the vessel, and, or a conduit or straw to sip from the vessel. The system can include switches or sensors to provide signals to control operation of the actuator, for instance, based on position, orientation, or direct or indirect user input. The system takes the form of conduit, e.g., straw or stirrer.

Classifications:

International (IPC 8-9): A61K9/00 A61K9/107 A61K9/127
A61M15/00 A61M15/08 A61M21/00 (Advanced/Invention)
CPC: A61M21/00 A61M15/009 A61M15/08 A61K9/007
A61M2210/0618 A61K9/127 A61M2021/0016 A61M2202/0482
A61M2205/123 A61K9/1075 A61M15/00 A61K9/0078



Family:

Publication number	Publication date	Application number	Application date
US2019105460 AA	20190411	US20180122673	20180905
WO19051403 A2	20190314	WO2018US50250	20180910
WO19051403 A3	20190418	WO2018US50250	20180910

Priority:

US20170556974P 20170911 US20180628395P 20180209 US20180652069P 20180403

Probable Assignee: SENSORY CLOUD LLC**Assignee(s):** (std): SENSORY CLOUD LLC**Inventor(s):** (std): FIELD RACHEL DIANE ; EDWARD DAVID ; FIELD RACHEL ; EDWARDS DAVID A**Inventor(s):** EDWARD DAVID A**Agent(s):** ABRAMONTE FRANK 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 JO 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**2) Family number: 34722036** (US2004206245A)

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Title: MACHINE FOR THE PREPARATION OF BEVERAGES

Abstract: 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.

Classifications:

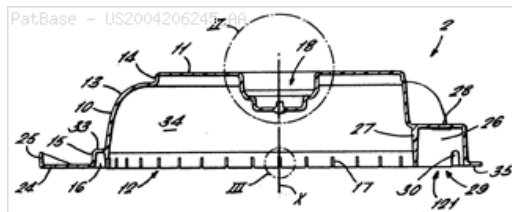
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International (IPC 1-7): A23L1/00 A47J0/00 A47J31/06 A47J31/36 A47J31/40 A47J31/44 A47J36/12

CPC: A47J31/465 B65D85/8043 A47J31/0673 A47J31/3695 A47J31/4407 A47J31/446 A47J31/4492 A47J31/56 B67D2001/0812

European: 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: 49/248 49/251 49/253 99/295 99/302R 99/337 99/337P 992/950

**Family:**

Publication number	Publication date	Application number	Application date
AU2004206096 AA	20040805	AU2004206096	20040123
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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
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HK1065692 A1	20061110	HK20040108570	20041101
HK1065692 A3	20050304	HK20040108570	20041101
HK1065692 B	20061110	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
NO20053937 L	20051024	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

Priority:

GB20030001709 20030124 GB20030001713 20030124 GB20030001734 20030124
 GB20030001735 20030124 US20030462538P 20030411 US20040763519 20040123
 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): KRAFT FOODS R AND D INC BAYERWALDSTRASSE 8 D 81737 MUNICH GERMANY ; 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 STEVEN ; KHANSEN NIK ; KHOLLIDEHJ

EHNDRJU ; NICK HANSEN ; HALLIDAY ANDREW MICHAEL ; CARTER STEVE ; CARTER STEPHEN ; CARTER STEVER

Inventor(s): STEPHEN CARTER ; ANDREW MICHAEL HALLIDAY ; STEVEN CARTER ; ANDREW HALLIDAY ; STEVER CARTER

Agent(s): GRIFFITH HACK; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; RICHARDS BUTLER 20TH FLOOR ALEXANDRA HOUSE 16 20 CHATER ROAD HONG KONG; RICHARDS BUTLER; 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

3) Family number: 72376042 (WO18224174A1)

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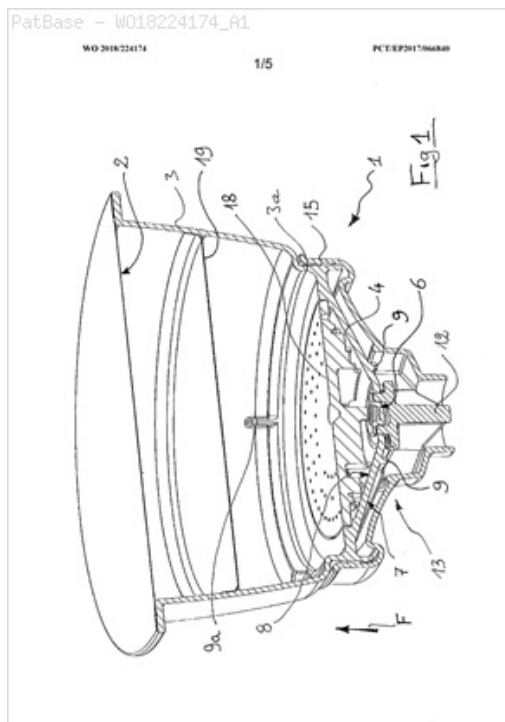
Title: "BEVERAGE CAPSULE AND METHOD"

Abstract: A capsule has an outlet wall (4) that comprises an opening (5) and a closing member (6) for the opening; the closing member is integral with the outlet wall of the capsule and extends from the inner side of the outlet wall, inside the capsule.

Classifications:

International (IPC 8-9): A47J31/06 B65D85/804 (Advanced/Invention)

CPC: B65D85/8043



Family:

Publication number	Publication date	Application number	Application date
TW201906773 A	20190216	TW20180123141	20180704
WO18224174 A1	20181213	WO2017EP66840	20170705

Priority:

WO2017EP66840 20170705

Probable Assignee: TUTTOESPRESSO SRL

Assignee(s): (std): TUTTOESPRESSO SRL

Assignee(s): TUTTOESPRESSO S R L

Inventor(s): (std): DOGLIONI MAJER LUCA

Agent(s): GISLON GABRIELE ET AL

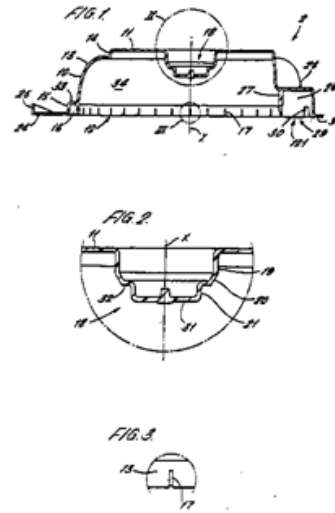
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4) Family number: 67006097 (EP3219781B1)

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Title: METHOD FOR THE REPRODUCIBLE THE AROMATISATION OF INDIVIDUAL UNITS OF BEER IN A BEER DISPENSER
PROCEDE D'AROMATISATION REPRODUCTIBLE D'UNITES DE CONSOMMATION INDIVIDUELLES DE BIERE DANS UNE TIREUSE A BIERE

Abstract: Source: EP3219781A1 [DE] Die Erfindung betrifft Verfahren zur reproduzierbaren Aromatisierung von einzelnen Genusseinheiten von Bier in einer Bierzapfanlage, bei dem a) ein mit einer auf die Menge einer oder mehrerer Genusseinheiten abgestimmten Menge an festem Aromatraeger gefuellt und mit Bier durchstroembarer Behaelter in eine in der Bierzapfanlage integrierte Hopfenkammer eingesetzt wird, b) der eingesetzte Behaelter in der Hopfenkammer derart befestigt wird, dass ein Stroemungsweg des Biers, der vom Bierzulauf durch den mit dem Aromatraeger gefuellten Behaelter in den Bierablauf fuehrt, bereitgestellt wird, c) der Bierzulauf geoeffnet wird, so dass aus dem festen Aromatraeger



29/02

Family:

Publication number	Publication date	Application number	Application date
AT322854 E	20060415	AT20040250380T	20040123
DE602004000608 D1	20060524	DE200460000608T	20040123
DE602004000608 T2	20060928	DE200460000608T	20040123
DK1440644 T3	20060731	DK20040250380T	20040123
ES2262096 T3	20061116	ES20040250380T	20040123

Priority:

GB20030001713 20030124

Probable Assignee:

KRAFT FOODS R AND D INC

Assignee(s): (std):

KRAFT FOODS R AND D INC

Inventor(s): (std):

HALLIDAY ANDREW ; CARTER STEVEN

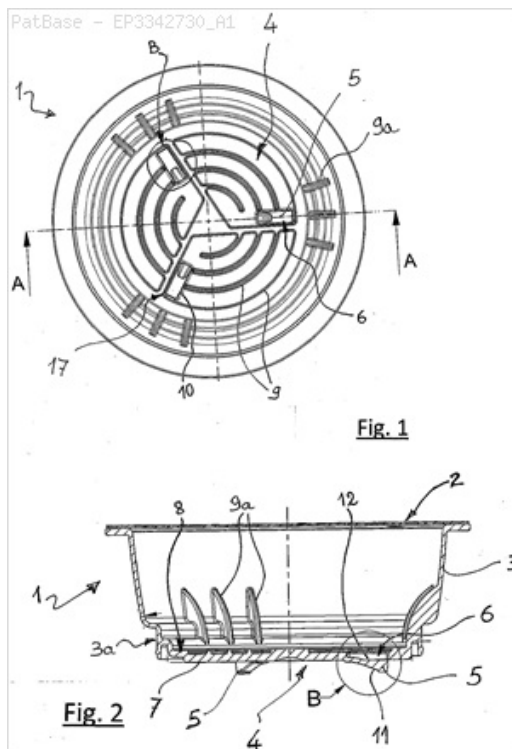
6) Family number: 70332133 (EP3342730A1)

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Title: CAPSULE AND METHOD FOR BEVERAGES CAPSULE ET PROCEDE POUR BOISSONS

Abstract: A capsule has an outlet wall (4) that comprises projecting portions (5) integral with the outlet wall of the capsule; the connecting elements between outlet wall and projecting portion can be broken to open the capsule and the projecting portions are moved into corresponding housings (6) to dispense the beverage.

Classifications:**International (IPC 8-9):** B65D85/804 (Advanced/Invention)**CPC:** B65D85/8043



Family:

Publication number	Publication date	Application number	Application date
EP3342730 A1	20180704	EP20170150074	20170102

Priority:

EP20170150074 20170102

Probable Assignee: TUTTOESPRESSO SRL

Assignee(s): (std): TUTTOESPRESSO SRL

Inventor(s): (std): DOGLIONI MAJER LUCA

Agent(s): GISLON GABRIELE

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

7) Family number: 30774139 (US2006130665A)

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Title: EXTRACTION MODULE WITH LINEAR CLOSURE FOR THE PRESSURISED PREPARATION OF A DRINK FROM A CAPSULE

Abstract: The invention relates to an extraction module with linear closure for the pressurized preparation of a drink from a capsule, containing a substance for extraction, comprising means for extraction with a first extraction sub-assembly and a second mobile extraction sub-assembly closing against the first sub-assembly such as to form an extraction chamber in the closed position and to provide sufficient space between the two sub-assemblies for introduction of a capsule between the sub-assemblies in the open position and comprising a means for fixing and positioning the capsule between the two sub-assemblies. Said means for fixing and positioning may be displaced in a coaxial manner with relation to the linear displacement of the mobile extraction sub-assembly and is capable of being displaced linearly by the second mobile sub-assembly in to a displaced position such as to permit a closing of the two sub-assemblies around the capsule.

Classifications:

International (IPC 8-9): A47J A47J31/06 A47J31/36 A47J31/40 A47J31/44 (Advanced/Invention);

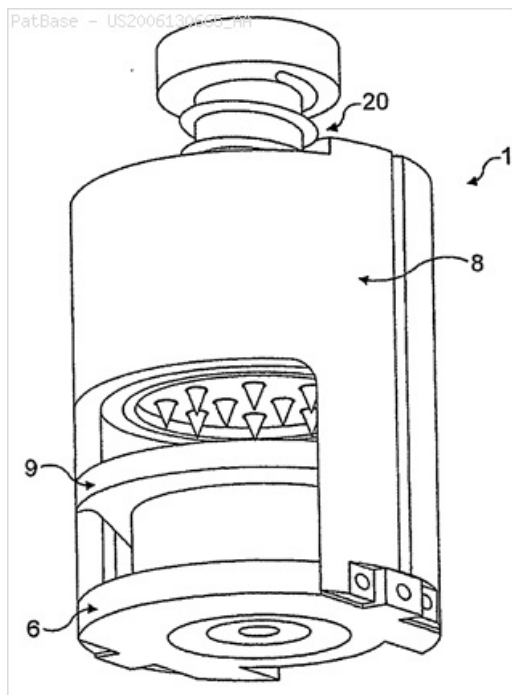
A47J31/00 A47J31/24 A47J31/40 A47J31/44 (Core/Invention); A47J (Subclass/Invention)

International (IPC 1-7): A47J31/06 A47J31/40

CPC: A47J31/3633 A47J31/3638 A47J31/3

European: A47J31/36A4D A47J31/36A4F A47J31/40B A47J31/40H

US: 99/279 99/289.00RP 99/289R 99/295 99/295S 99/302P



Family:

Publication number	Publication date	Application number	Application date
AR043123 AA	20050720	AR2004P100388	20040206
AT316349 E	20060215	AT20030002817T	20030207
AU2004212280 AA	20040826	AU20040212280	20040122
AU2004212280 BB	20091217	AU20040212280	20040122
BG109238 A	20060228	BG20050109238	20050720
BRPI0407326 A	20060221	BR2004PI07326	20040122
CA2514147 AA	20050722	CA20042514147	20040122
CA2514147 C	20110419	CA20042514147	20040122
CL2004000216 A1	20050114	CL20040000216	20040206
CN100496355 C	20090610	CN200480003653	20040122
CN1747676 A	20060315	CN200480003653	20040122
CZ20050563 A3	20060412	CZ20050000563	20040122
DE60303320 D1	20060413	DE20036003320	20030207
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DK1444932 T3	20060606	DK20030002817T	20030207
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ES2256601 T3	20060716	ES20030002817T	20030207
HK1084309 A1	20060728	HK20060104585	20060418
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IL169490 A0	20070704	IL20040169490	20040122
JP2006516432 T2	20060706	JP20060501575T	20040122
JP4288280 B2	20090701	JP20060501575T	20040122
MXPA05007980 A1	20060127	MX2005PA07980	20040122
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PL377353 A1	20060123	PL20040377353	20040122
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US2009255410 AA	20091015	US20090486478	20090617
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US8256342 BB	20120904	US20090392805	20090225
US8336447 BB	20121225	US20090486478	20090617
WO04071259 A1	20040826	WO2004EP00498	20040122
ZA200507152 A	20061129	ZA20050007152	20050906

Priority:

EP20030002817 20030207	US20040544014 20040122	WO2004EP00498 20040122
US20050544014 20050729	US20090392805 20090225	US20090486478 20090617

Probable Assignee: NESTEC SA

Assignee(s): (std): NESTEC SA ; NESTEC S A ; NESTEC SA ; YOAKIM ALFRED ; JARISCH CHRISTIAN ; NESTEC S A

Assignee(s): NESTEC S A VEVEY ; DES PRODUITS NESTLE SA SOC

Inventor(s): (std): JARISCH CHRISTIAN ; YOAKIM ALFRED ; ALFRED JARISCH CHRISTIAN YOAKI ; ZHARISH KRISTIAN ; IOAKIM AL FRED ; CHRISTIAN JARISCH ; JARISCH CHRISTIAN YOAKIM ALFRED ; ALFRED YOAKIM

Inventor(s): IOAKIM AL'FRED
Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; HARNECKER; ZHONGZI IP; BELL BOYD AND LLOYD LLC; K AND L GATES 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

8) Family number: 34894143 (WO07081519A2)

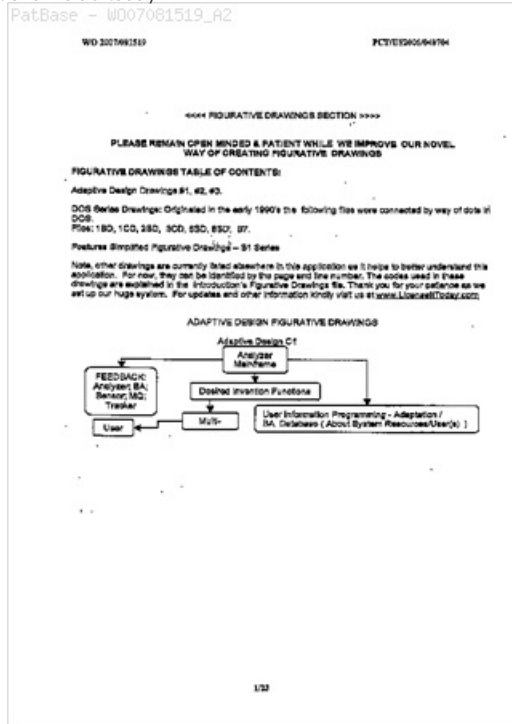
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Title: GENIUS ADAPTIVE DESIGN

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.

Classifications:

International (IPC 8-9): E06B7/32 G06F17/00 G06F17/30 G06Q G06Q10/00 G06Q30/00 G06Q50/00 (Advanced/Invention)
International (IPC 1-7): G06Q30/00
CPC: G06F8/70 G06F9/445 G06Q10/10 G06F16/00 G06Q30/0601
European: G06Q10/10



Family:

Publication number	Publication date	Application number	Application date
AP200804559 A0	20080831	AP20080004559	20061219
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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
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KR20080112193 A	20081224	KR20087018774	20061219
KR20130124572 A	20131114	KR20137024611	20061219
MX20080008625 A1	20090107	MX20080008625	20061219
NZ570109 A	20110826	NZ20060570109	20061219
WO07081519 A2	20070719	WO2006US48704	20061219
WO07081519 C1	20080612	WO2006US48704	20061219

Priority:

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AU20060335151	20061219	WO2006US48704	20061219	AU20130200386	20130125

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 LICENSELTTODAYCOM LLC ; 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

9) Family number: 53570164 (US2014284298A) © PatBase

Title: FEEDING BOTTLE FOR PREPARATION OF A NUTRITIONAL COMPOSITION

Abstract: The invention relates to a single-use feeding bottle (1) for dispensing an aqueous nutritional composition (5a) to a human from a powdered or concentrated liquid nutritional formula base (5) contained therein and being provided with means (2) for connecting the bottle (1) to external liquid dispensing means (20) adapted to supply liquid to the bottle (1), the bottle (1) comprising at least one compartment (3) forming a cavity for containing a predefined amount of powdered or concentrated liquid nutritional formula base (5) for the preparation of the nutritional composition (5a) upon hydration with the supplied liquid, a neck portion (4) in fluid communication with the compartment (3), and liquid inlet means (6) designed to be supplied with liquid from the liquid dispensing means (20), the bottle (1) furthermore comprising a filter assembly (7) in the flow path of the liquid from the inlet means (6) to the compartment (3), the filter assembly being configured to remove contaminants from liquid fed into the compartment (3) through the inlet means (6).

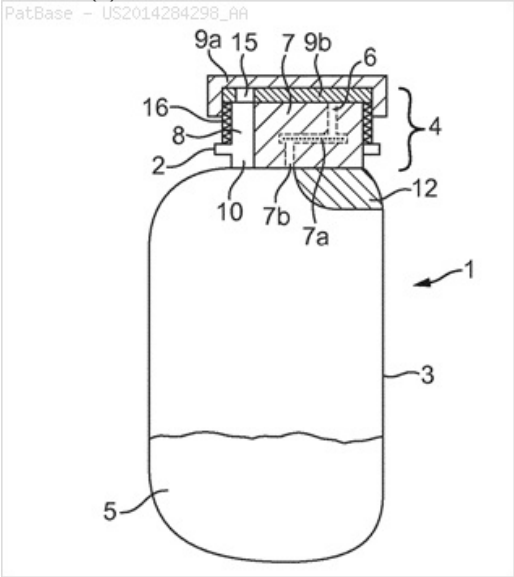
Classifications:

International (IPC 8-9): A61J9/00 B01D35/00 B65D47/02

B65D51/16 C02F1/00 C02F1/44 (Advanced/Invention); C02F1/44 (Advanced/Non-invention)

CPC: A61J9/00 C02F1/003 C02F1/44 C02F2201/004 C02F2307/02

US: 215/11.1



Family:

Publication number	Publication date	Application number	Application date
CN103998006 A	20140820	CN201280060837	20121010
CN103998006 B	20161116	CN201280060837	20121010
DE602012012708 D1	20160107	DE201260012708T	20121010
EP2768467 A1	20140827	EP20120769670	20121010
EP2768467 B1	20151125	EP20120769670	20121010
ES2558757 T3	20160208	ES20120769670T	20121010
US2014284298 AA	20140925	US20120352221	20121010
US10143628 BB	20181204	US20120352221	20121010
WO13057014 A1	20130425	WO2012EP70003	20121010

Priority:

EP20110185426 20111017 EP20120769670 20121010 WO2012EP70003 20121010

Probable Assignee: NESTEC SA

Assignee(s): (std): NESTEC SA

Assignee(s): DES PRODUITS NESTLE SA SOC ; NESTEC S A

Inventor(s): (std): ROULIN ANNE ; EPARS YANN ; MEIER ALAIN ; JACQUET REMY

Agent(s): MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; BORNE PATRICE DANIEL; ISERN JORGE; K AND L GATES LLP; BORNE PATRICE

Designated states: AE AG AL AM 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

10) Family number: 52617166 (US2015289708A) © PatBase

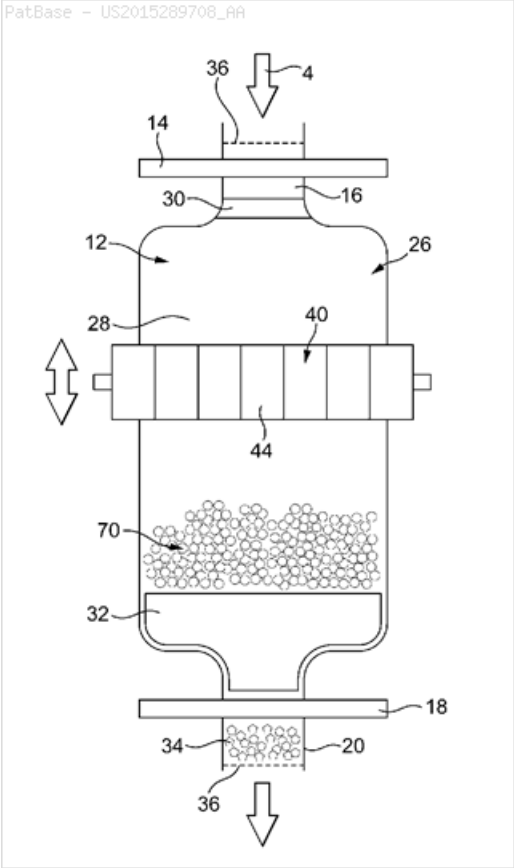
Title: BEVERAGE DISPENSING MACHINE

Abstract: A beverage dispensing machine (2) has a housing that provides a receptacle for receiving an expandable cartridge (12) that is coupled into the machine so that it can receive a charge of water. A kneading system (40) is provided to act on the cartridge within the receptacle. The kneading system is activated after water has been allowed to enter the cartridge and mechanically acts on or from the exterior of the cartridge in order to compress and release regions of the cartridge in order to create vigorous agitation to move the contents of the cartridge around inside the main compartment and bring them into close contact with a charge of water from the supply. Such a machine allows a wide variety of beverages to

be created conveniently on demand from freeze-dried ingredients that can be stored inside the cartridges with a long shelf life.

Classifications:

International (IPC 8-9): A23L2/02 A23L2/39 A47J A47J31/40 A47J31/44 B65D B65D77/06 B65D85/804 (Advanced/Invention); A47J B65D (Subclass/Invention)
CPC: A47J31/4403 A23L2/02 A23L2/39 B65D77/06 A23V2002/00 A47J31/407 B65D85/8043
US: 426/115 426/431 99/287



Family:

Publication number	Publication date	Application number	Application date
■ CN104780816 A	20150715	CN201380053855	20131011
■ CN104780816 B	20180216	CN201380053855	20131011
■ DE602013005592 D1	20160428	DE201360005592T	20131011
■ EP2906095 A1	20150819	EP20130780368	20131011
■ EP2906095 B1	20160316	EP20130780368	20131011
■ GB201218476 A0	20121128	GB20120018476	20121015
■ GB2506940 A1	20140416	GB20120018476	20121015
■ GB2506940 B2	20150930	GB20120018476	20121015
■ HK1210581 A1	20160429	HK20150111359	20151118
■ HK1210581 B	20180803	HK20150111359	20151118
■ US2015289708 AA	20151015	US20130433904	20131011
■ WO14060724 A1	20140424	WO2013GB52651	20131011

Priority:

GB20120018476 20121015 EP20130780368 20131011 WO2013GB52651 20131011

Probable Assignee: ZENDEGII LTD

Assignee(s): (std): ZENDEGII LTD

Assignee(s): ZENDEGII LTD LONDON

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Inventor(s): AURELIE SCHMITT ; HIROMI SASAKI ; KHOSRO EZAZ NIKPAY ; HENDRICK SABERT ; DANIEL KOHN

Agent(s): COOKSON BARBARA ELIZABETH; NTD PATENT AND TRADE MARK AGENCY LTD; FILEMOT TECHNOLOGY LAW 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 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

11) Family number: 57428186 (US2014272018A)

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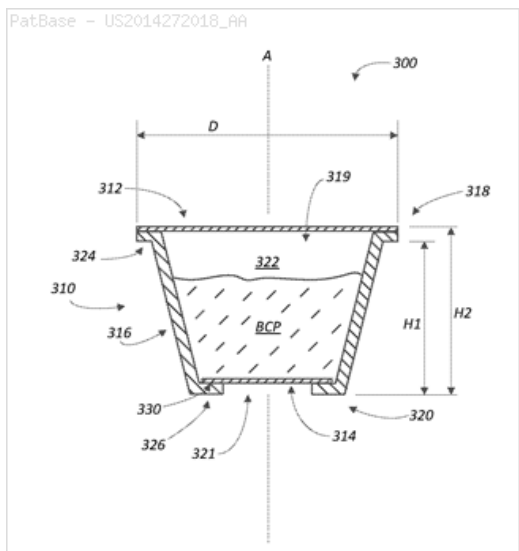
Title: STRETCHABLE BEVERAGE CARTRIDGES AND METHODS

Abstract: Present embodiments generally relate to a single-serve beverage cartridge for use with a single-serve coffee brewer. In some embodiments, the cartridge has a body portion, a first filter element, and a second filter element. The cartridge can include a single serving of coffee or another beverage component or precursor. The cartridge can be formed of a biodegradable and/or compostable material. In some embodiments, at least one of the filters is configured to stretch when pressed by a tamping head, thereby allowing the tamping head to be received in the cartridge to facilitate tamping of the beverage component or precursor.

Classifications:

International (IPC 8-9): A23F5/24 A23F5/26 A47J31/06 A47J31/10

A47J31/36 A47J31/40 A47J31/44 B65B17/00 B65B29/02 B65D65/46
B65D77/00 B65D85/50 B65D85/804 (Advanced/Invention)
CPC: B65D85/8043 B65D65/466 Y02W90/13 Y02W90/14
US: 426/115 426/425



Family:

Publication number	Publication date	Application number	Application date
AR095412 AA	20151014	AR2014P100956	20140313
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CA2904835 AA	20150909	CA20142904835	20140227
CN105283387 A	20160127	CN201480014706	20140227
CN105283387 B	20180316	CN201480014706	20140227
EP2969776 A1	20160120	EP20140773424	20140227
EP2969776 A4	20161109	EP20140773424	20140227
IN03396KN2015 A	20160318	IN2015KN03396	20151013
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MX361416 B	20181107	MX20150012089	20140227
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US2014272018 AA	20140918	US20140191225	20140226
US2018072490 AA	20180315	US20170726210	20171005
US9783361 BB	20171010	US20140191225	20140226
WO14158656 A1	20141002	WO2014US19135	20140227

Priority:

US20130786072P 20130314 US20140191225 20140226 WO2014US19135 20140227
US20170726210 20171005

Probable Assignee: STARBUCKS DBA STARBUCKS COFFEE CO CORP

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

Assignee(s): STARBUCKS D CORP ; STARBUCKS D B A STARBUCKS COFFEE CO CORP ; STARBUCKS DBA
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Inventor(s): (std): DAMMERMAN KURT PHILIP ; SADEGHI FARID ; MANOUX PHILIP ROGET ; KOLLER IZAAK ; CRARER
ALAN SCOTT ; MACK ADAM MCKEEL ; FLEMING JEFFREY JACK ; JURIS AMANDA ; IRELAND KATHLEEN L
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; KURT PHILIP DAMMERMAN ; PHILIP ROGET MANOUX ; KATHLEEN L IRELAND ; AMANDA JURIS ;
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Agent(s): MINTER ELLISON; GOUDREAU GAGE DUBUC; LAVERY DE BILLY LLP; GRUENECKER PATENT U
RECHTSANWALTE PARTG MBB; KNOBBE MARTENS OLSEN AND BEAR LLP; ALTMAN DANIEL 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
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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

12) Family number: 32092219 (US2008216666A)

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Title: DISPOSABLE CAPSULE FOR DRINKS

Abstract: A capsule (1) for the preparation of beverages within dispensing machines, has a sealing film (4) which is perforated at the time of the use when the pressurized infusion water is supplied to the capsule and deforms the film (4), bringing it into contact with underlying perforation means (6) fixed to the same capsule.

Classifications:

International (IPC 8-9): A23F3/16 A23F5/24 A23L1/28 A23L2/00
A47G19/14 A47J A47J31/00 A47J31/02 A47J31/057 A47J31/06
A47J31/40 B65B29/02 B65D B65D25/08 B65D81/00 B65D81/24
B65D81/26 B65D85/72 B65D85/804 B65D85/808 B67D5/00
B67D99/00 (Advanced/Invention);
A23F3/00 A23F5/24 A23L2/00 A47J31/00 A47J31/06 A47J31/40
B65D25/04 B65D81/00 B65D85/804 (Core/Invention);
B65D81/00 (Core/Non-invention);

A23F A47J B65D (Subclass/Invention)

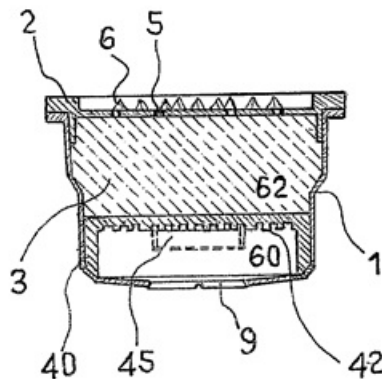
International (IPC 1-7): A47J31/00 A47J31/06 A47J31/40 B65D81/00 B65D85/72

CPC: A47J31/0673 B65D85/8043

European: A47J31/06E A47J31/06F A47J31/06P4B A47J31/40B B65D81/00B3 B65D85/804B

US: 222/1 222/1S 426/431 426/431S 426/433 426/433S 426/435 426/435S 426/77 426/77P 99/295 99/295P 99/295S 99/300 99/300S 99/323

PatBase - US2008216666_AA



Family:

Publication number	Publication date	Application number	Application date
AR050477 AA	20061101	AR2005P100266	20050126
AR055256 AA	20070815	AR2005P103895	20050919
AT470633 E	20100615	AT20050702323T	20050124
AU2004323285 AA	20060323	AU20040323285	20040917
AU2004323285 BB	20111110	AU20040323285	20040917
AU2005214158 AA	20050901	AU20050214158	20050124
AU2005214158 AH	20100819	AU20050214158	20050124
AU2005214158 BB	20110421	AU20050214158	20050124
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BRPI0506483 A	20070206	BR2005PI06483	20050124
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CN101056802 A	20071017	CN200480044401	20040917
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CN1910090 A	20070207	CN200580003099	20050124
DE602004040088 D1	20130110	DE200460040088T	20040917
DE602005021749 D1	20100722	DE200560021749T	20050124
ECSP066799 A	20061220	EC2006SP06799	20060825
EP1557373 A1	20050727	EP20040425042	20040126
EP1708934 A1	20061011	EP20050702323	20050124
EP1708934 B1	20100609	EP20050702323	20050124
EP1807318 A1	20070718	EP20040787595	20040917
EP1807318 B1	20120912	EP20040787595	20040917
ES2347158 T3	20101026	ES20050702323T	20050124
ES2394373 T3	20130131	ES20040787595T	20040917
ES2398190 T3	20130314	ES20100011575T	20040917
HK1096642 A1	20070608	HK20070102076	20070223
HK1096642 A3	20070608	HK20070102076	20070223
IL176532 A0	20061005	IL20060176532	20060625
IL176532 A1	20101230	IL20050176532	20050124
IL181496 A0	20070704	IL20040181496	20040917
IL181496 A1	20140630	IL20040181496	20040917
IN00535KN2007 A	20070706	IN2007KN00535	20070213
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IN253076 B	20120629	IN2007KN00535	20070213
IN254849 B	20121228	IN2006KN01780	20060626
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PE09452006 A1	20061020	PE20050001070	20050916
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RU2007114264 A	20081027	RU20070114264	20040917
RU2362472 C2	20090727	RU20070114264	20040917
RU2386381 C2	20100420	RU20060130743	20050124
TW200524793 A	20050801	TW20050102139	20050125
TW200610717 A	20060401	TW20050132271	20050919
TWI337159 B	20110211	TW20050102139	20050125
TWI367849 B	20120711	TW20050132271	20050919
US2008216666 AA	20080911	US20070673465	20070209
US2009175986 AA	20090709	US20050585260	20050124
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US8640604 BB	20140204	US20070673465	20070209
WO05080223 A1	20050901	WO2005IB00163	20050124
WO06030461 A1	20060323	WO2004IT00503	20040917

Priority:

EP20040425042 20040126 EP20100011575 20040917 RU20070114264 20040917
WO2004IT00503 20040917 EP20050702323 20050124 WO2005IB00163 20050124
US20070673465 20070209

Probable Assignee: TUTTOESPRESSO SPA

Assignee(s): (std): DOGLIONI MAJER LUCA ; TUTTOESPRESSO S P A ; TUTTOEHSPRESSO S P A ; TUTTOESPRESSO S P A ;

Assignee(s): TUTTOESPRESSO SPA ; TUTTOESPRESSO SRL
TUTTOESPRESSO S PA ; TUTTOESPRESSO S R L ; TUTTOEHPRESSO SPA

Inventor(s): (std): MAJER DOGLIONI LUCA ; MAJER LUCA DOGLIONI ; DOGLIONI MAJER L ; DOL ONI MAJER LUKA ;
DOGLIONI MAJER LUKA ; DOGLIONI MAJER LUCA ; LUCA DOGLIONI MAJER

Inventor(s): DOL'ONI MAJER LUKA

Agent(s): PATENT ATTORNEY SERVICES; GODEMEYER BLUM LENZE PATENTANWALTE PARTNERSCHAFT MBB;
GISLON GABRIELE; TORNER ELISABET; WENPING AND CO; WOLFF BREGMAN AND GOLLER; HESS
PATENT LAW FIRM PC; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT L L P; OBLON SPIVAK
MCCLELLAND MAIER AND NEUSTADT 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
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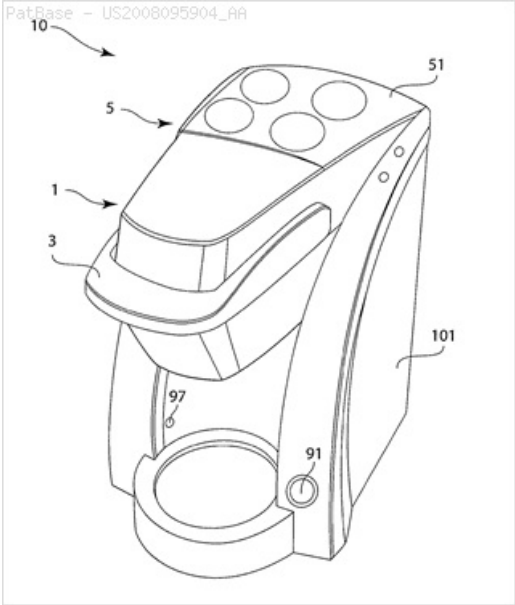
13) Family number: 41610267 (US2008095904A) © PatBase

Title: METHOD AND APPARATUS FOR BEVERAGE FORMATION WITH RESERVOIR ACCESS CONTROL

Abstract: A method and apparatus for forming a beverage. Movement of a brew chamber may automatically enable the provision of beverage precursor liquid into a reservoir in a brewer, which is then used (heated or not) to form a beverage. For example, closing of the brew chamber may cause a lid for a water reservoir to be fully opened or otherwise permit movement of the lid to allow access to the reservoir, allowing a user to provide water into the reservoir. The reservoir lid may open with an abrupt action, causing attention to be drawn to the reservoir lid. In another arrangement, closure of the brew chamber may cause actuation of a baffle, pump, valve or other device to provide a suitable amount of water to a reservoir for beverage formation. In another arrangement, opening of the brew chamber may cause the reservoir lid to be automatically and simultaneously opened with the brew chamber.

Classifications:

International (IPC 8-9): A23F5/00 A23L1/00 A23L2/00 A47J
A47J31/00 A47J31/32 A47J31/40 A47J31/44 A47J31/46 A47J31/56
A47J31/58 B65B36/00 (Advanced/Invention);
A47J31/32 A47J31/44 (Advanced/Non-invention);
A23F5/00 A23L2/00 A47J31/24 A47J31/40 A47J31/44 (Core/Invention);
A47J31/24 A47J31/44 (Core/Non-invention);
A47J (Subclass/Invention)
International (IPC 1-7): A23C A23F A23L1/00 B65B36/00
CPC: A47J31/58 A47J31/4407 A47J31/46 A47J31/56 A47J31/32
European: A47J31/32 A47J31/44A1 A47J31/46 A47J31/56
US: 426/431 426/433 99/279 99/280 99/281 99/282 99/283 99/295
99/300 99/302R 99/316



Family:

Publication number	Publication date	Application number	Application date
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EP2189086 A1	20100526	EP20090173135	20070907
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US9027463 BB	20150512	US20130044442	20131002
WO08030577 A2	20080313	WO2007US19574	20070907
WO08030577 A3	20090305	WO2007US19574	20070907

Priority:

US20060843012P	20060907	AU20070292922	20070907	CA20072654527	20070907
CA20072689804	20070907	CA20072689795	20070907	EP20070837907	20070907
JP20090527434	20070907	NZ20070580058	20070907	EP20090173135	20070907
EP20090165407	20070907	US20070899952	20070907	US20070899966	20070907
US20070899956	20070907	WO2007US19574	20070907	AU20090201605	20090422
AU20090222576	20091006	CA20102654527	20100210	HK20100102458	20100309
US20130044442	20131002				

Probable Assignee: KEURIG GREEN MOUNTAIN INC

Assignee(s): (std): KEURIG INC ; SULLIVAN KEVIN P ; TINKLER IAN ; HUANG JIANMING ; SHEPARD JAMES E ; NUTTER FRANCIS ; KEURIG GREEN MOUNTAIN INC ; BRUDEVOLD FINN ; DILMAGHANI DARIUS ; FORTINI CONSTANCE L ; ZIMMERMAN JENNIFER

Assignee(s): BANK OF AMERICA NA ; BANK OF AMERICA NA ADMINISTRATIVE AGENT AS ; GREEN MOUNTAIN COFFEE ROASTERS INC ; GREEN MOUNTAIN COFFEE ROASTERS INC33 COFFEE LANEWATERBURYVT05676US ; KEURIG INC55 WALKERS BROOK DRIVEREADINGMA01867US ; KEURIG GREEN MOUNTAIN INC33 COFFEE LANEWATERBURYVT05676-8900US ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; KEURIG GREEN MOUNTAIN INC WATERBURY

Inventor(s): (std): FORTINI CONSTANCE L ; DILMAGHANI DARIUS ; FINN BRUDEVOLD ; FINN BRUNEVOLD ; BRUNEVOLD FINN ; HUANG JIANMING ; NUTTER FRANCIS ; JAMES SHEPARD ; KEVIN SULLIVAN ; SULLIVAN KEVIN P ; TINKLER IAN ; SHEPARD JAMES E ; ZIMMERMAN JENNIFER ; SULLIVAN KEVIN ; JIANMING HUANG ; IAN TINKLER ; SHEPARD JAMES ; BRUDEVOLD FINN

Inventor(s): BRUDEVOLD FINN WELLESLEY ; HUANG JIANMING ; SULLIVAN KEVIN PUS ; TINKLER IANUS ; ZIMMERMAN JENNIFERUS ; SHEPARD JAMES EUS ; TINKLER IAN WAKEFIELD ; ZIMMERMAN JENNIFER WOBURN ; SHEPARD JAMES E MARBLEHEAD ; SULLIVAN KEVIN P NEEDHAM ; JENNIFER ZIMMERMAN ; FRANCIS NUTTER ; HUANG JIANMINGUS ; NUTTER FRANCISUS ; HUANG JIANMING ANDOVER ; NUTTER FRANCIS CHARLTON ; JAMES E SHEPARD ; KEVIN P SULLIVAN ; CONSTANCE L FORTINI ; DARIUS DILMAGHANI ; BRUDEVOLD FINNUS ; FORTINI CONSTANCE LUS ; DILMAGHANI DARIUSUS ; FORTINI CONSTANCE L SANDOWN ; DILMAGHANI DARIUS CHELMSFORD

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; PIZZEYS; SMART AND BIGGAR; ROBIC; HARRISON GODDARD FOOTE; BARKER ROSEMARY ANNE; SHANGHAI PATENT AND TRADEMARK OFFICE; SHANGHAI INTELLECTUAL PROPERTY OFFICE; WOLF GREENFIELD AND SACKS PC; HUNT ROBERT E

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

14) Family number: 50914268 (US2013239820A)

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Title: BREWING UNIT WITH HORIZONTAL MOTION

Abstract: The brewing unit comprises: a brewing chamber (13,16) with a first brewing chamber portion (13) and a second brewing chamber portion (16), mobile one with respect to the other to open and close the brewing chamber; a channel (81)

for inserting said capsules (C) towards said brewing chamber; a mobile deviator (63) interposing between said first brewing chamber portion (13) and said second brewing chamber portion (16) to deviate said capsules (C) towards the inside of one of said first and second brewing chamber portions (13, 16) of.

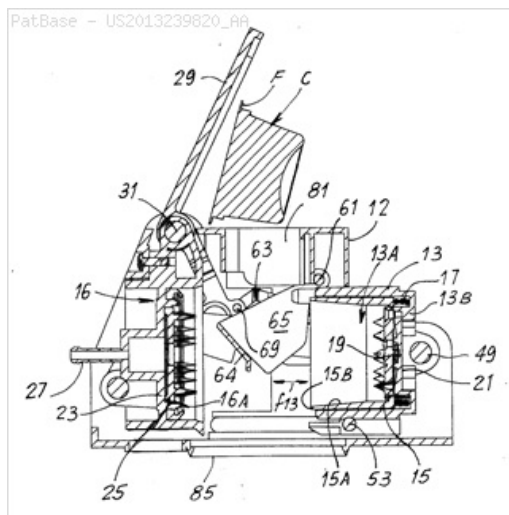
Classifications:

International (IPC 8-9): A47J31/06 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/54 A47J31/60 (Advanced/Invention)

CPC: A47J31/407 A47J31/36 A47J31/54 A47J31/369 A47J31/3633 A47J31/3638 A47J31/3676 A47J31/542 A47J31/60

European: A47J31/36A4D A47J31/36B4D K47J31/36A4F

US: 99/295 99/300



Family:

Publication number	Publication date	Application number	Application date
AU2012282185 AA	20130117	AU20120282185	20120704
AU2012282185 BB	20171026	AU20120282185	20120704
BR112014000110 A2	20170214	BR20141100110	20120704
CN103153143 A	20130612	CN201180048737	20111005
CN103153143 B	20160824	CN201180048737	20111005
CN103648340 A	20140319	CN201280034024	20120704
CN103648340 B	20170815	CN201280034024	20120704
DE602011015531 D1	20150521	DE201160015531T	20111005
EP2543291 A1	20130109	EP20110173201	20110708
EP2624732 A1	20130814	EP20110776548	20111005
EP2624732 B1	20150408	EP20110776548	20111005
EP2729041 A1	20140514	EP20120735053	20120704
ES2535859 T3	20150518	ES20110776548T	20111005
IN00375CN2014 A	20160624	IN2014CN00375	20140116
IN02499CN2013 A	20140725	IN2013CN02499	20130401
JP2013538663 T2	20131017	JP20130532304T	20111005
JP2014518128 T2	20140728	JP20140518048T	20120704
JP5909494 B2	20160426	JP20130532304T	20111005
JP6063461 B2	20170118	JP20140518048T	20120704
MX2014000050 A1	20140430	MX20140000050	20120704
MX353063 B	20171219	MX20140000050	20120704
RU2013120950 A	20141120	RU20130120950	20111005
RU2014104403 A	20150820	RU20140104403	20120704
RU2571191 C2	20151220	RU20130120950	20111005
RU2594963 C2	20160820	RU20140104403	20120704
TR201507046 T4	20150622	TR20150007046T	20111005
US2013239820 AA	20130919	US20110820759	20111005
US2014130679 AA	20140515	US20120131111	20120704
US9486102 BB	20161108	US20110820759	20111005
US10201243 BB	20190212	US20120131111	20120704
WO12046195 A1	20120412	WO2011B54375	20111005
WO13008141 A1	20130117	WO2012B53403	20120704

Priority:

EP20100186948 20101008 EP20110173201 20110708 US20110506244P 20110711
EP20110776548 20111005 WO2011B54375 20111005 EP20120735053 20120704
US20120131111 20120704 WO2012B53403 20120704

Probable Assignee: PHILIPS ELECTRONICS KONINKLL NV

Assignee(s): (std): BALDO MASSIMO ; KONINKL PHILIPS ELECTRONICS NV ; KONINKL PHILIPS NV ; KONINKLEJKE FILIPS N V ; SANTINI MARCO ; ROYAL DUTCH PHILIPS ELECTRONICS LTD ; PHILIPS KONINKLL NV ; KONINKLEJKE FILIPS NV

Assignee(s): PHILIPS N V KONINKLL ; PHILIPS ELECTRONICS N V KONINKLL ; KONINKLIJKE PHILIPS ELECTRONICS N V ; KONINKLIJKE PHILIPS ELECTRONICS N.V. ; PHILIPS ELECTRONICS KONINKLL NV ; KONINKLEJKE FILIPS EHLEKTRONIKS NV

Inventor(s): (std): BALDO MASSIMO ; SANTINI MARCO ; MASSIMO BALDO ; MARCO SANTINI ; SANTINI MARKO

Agent(s): FB RICE; FB RICE PTY LTD; MEISSNER BOLTE AND PARTNER GBR; DAMEN DANIEL MARTIJN; COOPS PETER; ISERN JORGE; OHNUKI SHINSUKE; ITOH TADAHIKO; ITOH TADASHIGE; EMIN KORHAN DERICIOGLU; COOPS PETER 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

Title: SINGLE-USE CONTAINMENT CAPSULE OF AN AROMATIC ESSENCE FOR PRODUCING AN INFUSION

Abstract: Single -use containment capsule (1) of powder of an aromatic essence for producing an infusion, characterised in that it comprises a container (2) having a perforated base (4) externally covered with a protective element (5), and a perforator element (6) present on the inner side of said protective element and operable by the fluid pressure that is created inside said container, so to permit the exit of said infusion from said container.

Classifications:

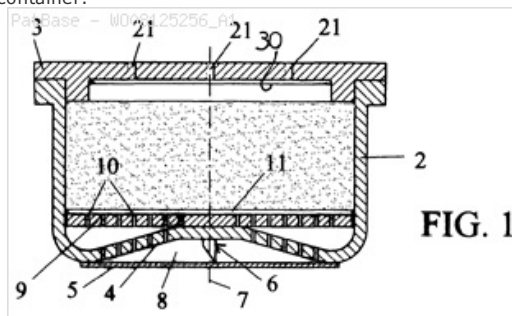
International (IPC 8-9): B65D85/804 (Advanced/Invention);

B65D85/804 (Core/Invention)

International (IPC 1-7): B65D85/804

CPC: B65D85/8043

European: B65D85/804B



Family:

Publication number	Publication date	Application number	Application date
BRPI0809705 A2	20141007	BR2008PI09705	20080409
DE602008016772 D1	20120823	DE200860016772T	20080409
EP2139791 A1	20100106	EP20080735106	20080409
EP2139791 B1	20120627	EP20080735106	20080409
EP2139791 B8	20121024	EP20080735106	20080409
ES2390382 T3	20121112	ES20080735106T	20080409
ITMI20070740 A1	20081013	IT2007MI00740	20070412
MA31361 B1	20100503	MA20090032322	20091102
PT2139791 T	20121009	PT20080735106T	20080409
WO08125256 A1	20081023	WO2008EP02793	20080409

Priority:

IT2007MI00740 20070412 EP20080735106 20080409 WO2008EP02793 20080409

Probable Assignee: NOVADelta COMERCIO E INDUSTRIA DE CAFES SA

Assignee(s): (std): NOVADelta COM E IND DE CAFES S A ; ROSSI CORP S R L ; ROSSI GIAMPIERO

Assignee(s): ROSSI SRL CORP ; ROSSI S R L CORP ; NOVADelta COMERCIO E INDUSTRIA DE CAFES S A ; NOVADelta COMERCIO E INDUSTRIA DE CAFES SA

Inventor(s): (std): ROSSI GIAMPIERO

Inventor(s): GIAMPIERO ROSSI

Agent(s): BUNGARTZ CHRISTOPHERSEN PARTNERSCHAFT MBB PATENTANWALTE; RAPISARDI MARIACRISTINA; MIRANDA DE SOUSA JOAO PAULO VAZ; ARIZTI MONICA

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

Title: METHOD AND APPARATUS FOR CARTRIDGE-BASED CARBONATION OF BEVERAGES

Abstract: Systems, methods and cartridges for carbonating or otherwise dissolving gas in a precursor liquid, such as water, to form a beverage are disclosed. A gas source, which is used to generate gas that is dissolved into the precursor liquid, and/or a beverage medium, such as a powdered drink mix or liquid syrup, may be provided in a cartridge. The use of one or more cartridges for the gas source and/or beverage medium may make for an easy to use and mess-free system for making sparkling beverages, e.g., in the consumer's home.

Classifications:

International (IPC 8-9): A23L2/54 A23L2/56 A47J31/06 B01F1/00

B01F15/02 B01F3/04 B01F3/08 B01F5/00 B01J7/00 B65D77/08

B65D81/32 B65D85/72 B65D85/804 (Advanced/Invention);

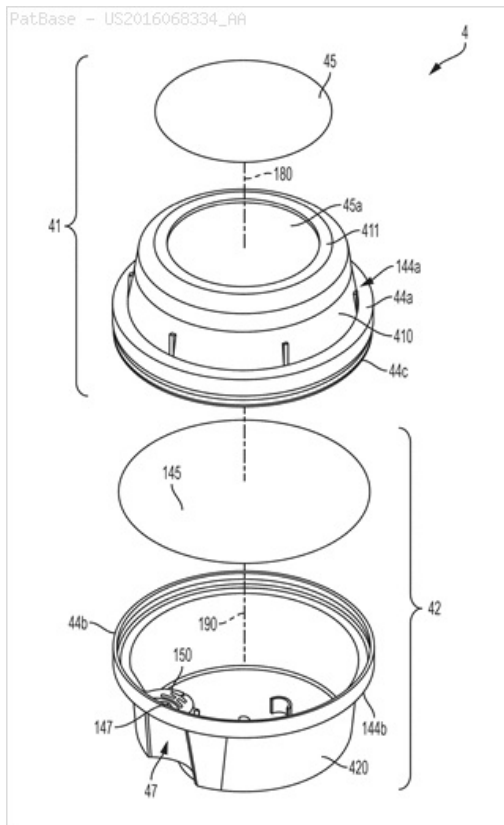
A47J31/06 (Core/Invention)

International (IPC 1-7): A47J31/06 B65D85/804

CPC: B65D85/8043 B65D77/08 A23L2/54 A23L2/56 A23V2002/00

B01F3/04808 B65D81/32 B01F2003/049 A47J31/06

US: 1/1 426/115

**Family:**

Publication number	Publication date	Application number	Application date
AU2015315370 AA	20170427	AU20150315370	20150908
BR112017004780 A2	20171212	BR20171104780	20150908
CA2964756 AA	20170413	CA20152964756	20150908
EP3190934 A2	20170719	EP20150767642	20150908
JP2017535488 T2	20171130	JP20170513431T	20150908
MX2017003113 A1	20171117	MX20170003113	20150908
TH173098 A	20180215	TH20171001263	20150908
US2016068334 AA	20160310	US20150641483	20150309
US2016152409 AA	20160602	US20160017137	20160205
US9327900 BB	20160503	US20150641483	20150309
WO16040268 A2	20160317	WO2015US48854	20150908
WO16040268 A3	20160519	WO2015US48854	20150908

Priority:

US20140048095P 20140909 US20150641483 20150309 WO2015US48854 20150908
 US20160017137 20160205

Probable Assignee: KEURIG GREEN MOUNTAIN INC

Assignee(s): (std): KEURIG GREEN MOUNTAIN INC ; BEDFORD SYSTEMS LLC

Assignee(s): CAFARO ENRICO RAFFAELE ; CARROLL RAYMOND ; CHAN WAI TING ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; COVEY CHRISTOPHER ; FEDORKA THOMAS ; MAIDER RALPH K ; ESTABROOK RICHARD M ; GRUBB SCOTT ; JOHNSON BRIAN B ; SACK MICHAEL ; RAPHAELSON STEVEN ; MICHAL J COREY ; PETERSON PETER RAE ; SWEENEY KEVIN ; PASSEMATO JAMES ; STACEY GARY

Inventor(s): (std): BRIAN B JOHNSON ; CHRISTOPHER COVEY ; ENRICO RAFFAELE CAFARO ; WAI TING CHAN ; STEVEN RAPHAELSON ; MICHAEL SACK ; PETER RAE PETERSON ; RALPH K JR MAIDER ; GARY STACEY ; JAMES PASSEMATO ; RICHARD M ESTABROOK ; KEVIN SWEENEY ; RAYMOND CARROLL ; THOMAS FEDORKA ; J COREY MICHAL ; RALPH K MAIDER ; J COREY MICHAEL ; SCOTT GRUBB ; PASSEMATO JAMES ; STACEY GARY ; JOHNSON BRIAN B ; CARROLL RAYMOND ; FEDORKA THOMAS ; SWEENEY KEVIN ; PETERSON PETER RAE ; CHAN WAI TING ; MICHAL J COREY ; GRUBB SCOTT ; MAIDER JR RALPH K ; ESTABROOK RICHARD M ; CAFARO ENRICO RAFFAELE ; RAPHAELSON STEVEN ; COVEY CHRISTOPHER ; SACK MICHAEL ; MAIDER RALPH K

Inventor(s): MICHAL J ; RALPH K

Agent(s): PIZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR; EP AND C; YKI PATENT ATTORNEYS; YKI INTELLECTUAL PROPERTY ATTORNEYS; WOLF GREENFIELD AND SACKS PC; HUNT ROBERT 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 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

17) Family number: 68589298 (US2019183927A)

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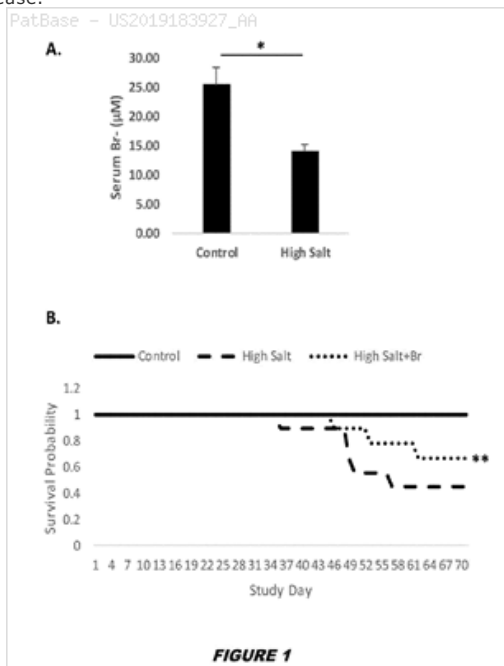
Title: MEDICAL AND NUTRITIONAL COMPOSITIONS AND METHODS OF USE

Abstract: Embodiments of the present invention are directed to improved medical saline compositions and methods of use thereof. Other embodiments of the invention concern nutritional compositions and methods that promote the health of the

heart, kidneys, and vasculature in a subject at risk of developing disease.

Classifications:

International (IPC 8-9): A01N1/02 A23L27/40 A23L33/16 A61K A61K31/145 A61K33/00 A61K33/14 A61K45/06 A61K8/20 A61M1/28 A61P A61P13/12 G01N33/487 (Advanced/Invention)
CPC: A61P13/12 A61K31/7004 A61K33/06 A61K33/00 A61K45/06 A23V2002/00 A01N1/021 A23L27/40 A23L33/16 A61K31/145 A61K33/14



Family:

Publication number	Publication date	Application number	Application date
AU2017311572 AA	20190307	AU20170311572	20170811
CA3033365 AA	20190207	CA20173033365	20170811
EP3496696 A1	20190619	EP20170840316	20170811
IL264724 A0	20190430	IL20170264724	20170811
IL264725 A0	20190430	IL20170264725	20170811
US2019183927 AA	20190620	US20170324697	20170811
WO18031845 A1	20180215	WO2017US46415	20170811
WO18031922 A1	20180215	WO2017US46570	20170811

Priority:

US20160373656P 20160811 US20160402291P 20160930 US20160402309P 20160930
US20160424057P 20161118 US20170458681P 20170214 US20170324697 20170811
WO2017US46415 20170811 WO2017US46570 20170811

Probable Assignee: SULFILATEC INC

Assignee(s): (std): SULFILATEC INC

Assignee(s): CUMMINGS CHRISTOPHER ; SHIFRIN DAVID

Inventor(s): (std): CUMMINGS CHRISTOPHER ; SHIFRIN DAVID

Agent(s): SPRUSON AND FERGUSON; LAVERY DE BILLY LLP; BARKER BRETTTELL LLP; ESTRADA DE MARTIN PAULA

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 JO JP KE KG KH KM KN KP KR KW 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

18) Family number: 33105301 (US2009282987A)

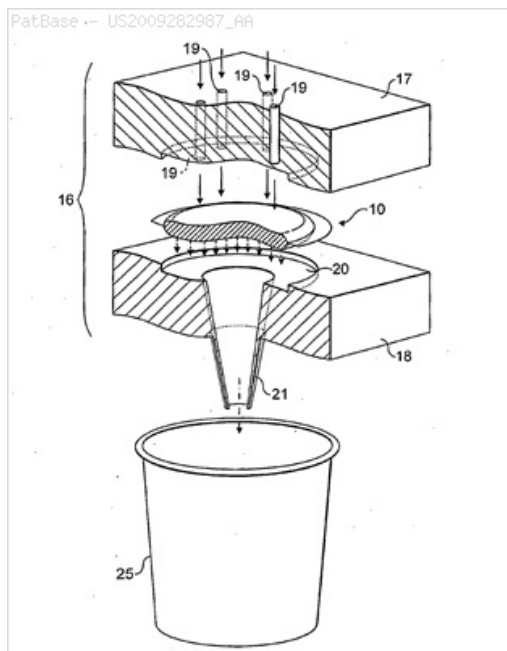
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Title: SYSTEM, POD AND METHOD FOR PREPARING A BEVERAGE

Abstract: The present invention provides a system, pod and method for preparing a beverage containing extract from a water infusible ingredient and, in one preferred embodiment, provides: a system for preparing a beverage comprising: at least one compartment defining a storage volume for containing, or for receiving a pod containing, an extraction ingredient of roast and ground coffee for forming a beverage; and one or more jetting apertures arranged for jetting in use a liquid into the at least one compartment, wherein: the system operates in use at a pressure of less than 8.5x10⁵ Pa (8.5 bar); at least one of the one or more jetting apertures delivers in use a jet of liquid which impacts the extraction ingredient of roast and ground coffee at a speed in the range of 15 to 500x10⁻² m/s (15 to 500 cm/s); and the one or more jetting apertures comprise a total cross sectional area less than 16x10⁻⁶ m² (16 mm²).

Classifications:

International (IPC 8-9): A47J31/00 A47J31/06 A47J31/36 A47J31/40 A47J31/44 B01F3/04 B65D81/00 B65D85/80 B65D85/804 B67D5/00 B67D99/00 (Advanced/Invention); B65D85/80 (Core/Invention)
CPC: A47J31/4478 B65D85/8046 B65D85/8043 A47J31/3685 A47J31/0668 A47J31/0689
European: A47J31/06C A47J31/06P4 A47J31/06P6 A47J31/36B4B2 A47J31/40B A47J31/40H B65D81/00B3 B65D85/804B1 K47J31/44A6A
US: 222/1 99/288 99/295 99/302R 99/323.1



Family:

Publication number	Publication date	Application number	Application date
CA2650388 AA	20081024	CA20072650388	20070427
CA2650388 C	20150120	CA20072650388	20070427
EP2015658 A1	20090121	EP20070732586	20070427
GB200608351 A0	20060607	GB20060008351	20060427
GB201005316 A0	20100512	GB20100005316	20060427
GB2437483 A1	20071031	GB20060008351	20060427
GB2437483 B2	20101208	GB20060008351	20060427
GB2468047 A1	20100825	GB20100005316	20060427
GB2468047 B2	20101208	GB20100005316	20060427
US2009282987 AA	20091119	US20070298616	20070427
WO07125337 A1	20071108	WO2007GB01550	20070427

Priority:

GB20060008351 20060427 GB20100005316 20060427 WO2007GB01550 20070427

Probable Assignee: KRAFT FOODS R AND D INC

Assignee(s): (std): HARPLEY PAUL JAMES ; KRAFT FOODS R AND D INC ; MACMAHON ALISTAIR JOHN ; NORTON MARK ; STOCKWELL AMY JANE ; TROUILLOT AUDREY VIRGINIE ; WALKER RICHARD JAMES

Inventor(s): (std): HARPLEY PAUL JAMES ; MACMAHON ALISTAIR JOHN ; TROUILLOT AUDREY VIRGINIE ; WALKER RICHARD JAMES ; NORTON MARK ; STOCKWELL AMY JANE

Inventor(s): ALISTAIR JOHN MACMAHON ; RICHARD JAMES WALKER ; MARK NORTON ; AUDREY VIRGINIE TROUILLOT ; PAUL JAMES HARPLEY ; AMY JANE STOCKWELL

Agent(s): MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; ALEXANDER THOMAS BRUCE ET AL; FITCH EVEN TABIN AND FLANNERY

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

19) Family number: 55899302 (WO14033344A1)

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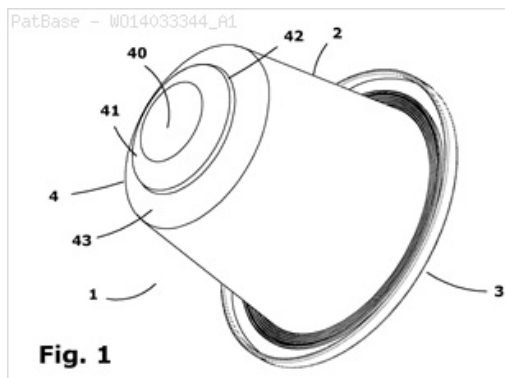
Title: CAPSULE FOR SINGLE-DOSE COFFEE MACHINES

Abstract: The invention concerns a capsule which has a generally frustoconical shape and of which the lower base (4) is also frustoconical and of which the upper base (3) has an open part provided with a wide edge, closeable by means of a sheet secured to the perimeter of the open part adhesively, by heat sealing or by some other means. The capsule (1) may contain a powder, plant strands, soluble material, such as coffee, infusions, chocolate, broth or the like. The frustoconical body (2) is made of plastics material, and the lower base (4) thereof is divided into three concentric parts, two frustoconical parts (41, 43) arranged at an axial spacing and an inner, flat, part.

Classifications:

International (IPC 8-9): A47J31/06 B65D85/00 (Advanced/Invention)

CPC: B65D85/8043



Family:

Publication number	Publication date	Application number	Application date
ES2473740 AA	20140707	ES20120031354	20120903
ES2473740 BA	20150602	ES20120031354	20120903
WO14033344 A1	20140306	WO2013ES70616	20130903

Priority:

ES20120031354 20120903

Probable Assignee: QUICK EXPRESSO CAP SYSTEM S L

Assignee(s): (std): QUICK EXPRESSO CAP SYSTEM S L

Assignee(s): QUICK EXPRESSO CAP SYSTEM SL

Inventor(s): (std): ORTEGA GIMENEZ ENRIQUE ; SAURA SOTILLOS JORGE ANTONIO

Inventor(s): ENRIQUE ORTEGA GIMENEZ ; JORGE ANTONIO SAURA SOTILLOS

Agent(s): SANZ BERMELL SANZ BERMELL ALEJANDRO; SANZ BERMELL MARTINEZ ALEJANDRO

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 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

20) Family number: 48692305 (US2012270785A)

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Title: THERAPY AND PREVENTION OF PROBLEM DRINKING

Abstract: The present invention provides methods for the therapy and prevention of problem drinking in alcohol-dependent and non-dependent subjects and those at risk of developing problem drinking behavior, and compositions of matter comprising oxytocin or an analog or derivative thereof or an agonist or partial agonist of an oxytocin receptor that are useful in preventing or treating problem drinking.

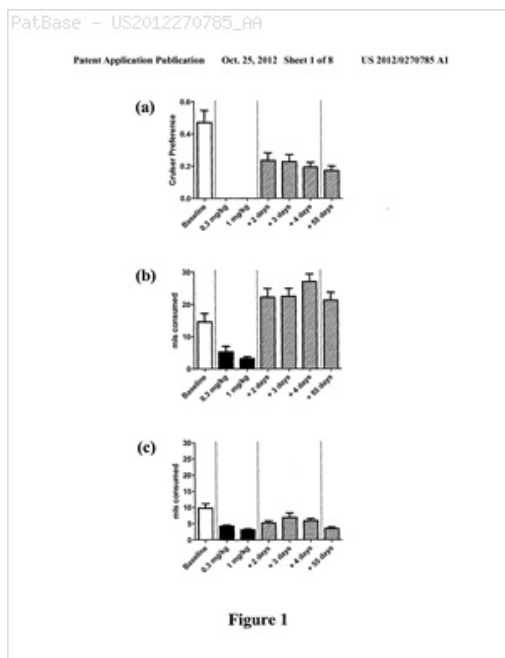
Classifications:

International (IPC 8-9): A61K38/095 A61K38/11 A61P25/32 C07K7/16 (Advanced/Invention)

CPC: A61K38/095

European: A61K38/11

US: 1/1 514/11.6 530/315



Family:

Publication number	Publication date	Application number	Application date
AU2010302945 AA	20120426	AU20100302945	20100929
AU2010302945 BB	20150924	AU20100302945	20100929
AU2015271942 AA	20160121	AU20150271942	20151218
DE602010017288 D1	20140814	DE201060017288T	20100929
EP2482835 A1	20120808	EP20100819736	20100929
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EP2482835 B1	20140702	EP20100819736	20100929
ES2509270 T3	20141017	ES20100819736T	20100929
US2012270785 AA	20121025	US20100499654	20100929
US2016058830 AA	20160303	US20150795818	20150709
US9119805 BB	20150901	US20100499654	20100929
WO11038451 A1	20110407	WO2010AU01275	20100929

Priority:

AU20090904810 20091001 AU20100302945 20100929 EP20100819736 20100929
WO2010AU01275 20100929 US20120499654 20120621 US20150795818 20150709
AU20150271942 20151218

Probable Assignee: OF SYDNEY UNIV

Assignee(s): (std): BOWEN MICHAEL THOMAS ; CARSON DEAN SAMUEL ; GUASTELLA ADAM JOHN ; MCGREGOR IAIN STEWART ; UNIV SYDNEY

Assignee(s): OF SYDNEY SYDNEY UNIV ; OF SYDNEY UNIV ; THE UNIVERSITY OF SYDNEY

Inventor(s): (std): GUASTELLA ADAM JOHN ; BOWEN MICHAEL THOMAS ; MCGREGOR IAIN STEWART ; CARSON DEAN SAMUEL

Inventor(s): MCGREGOR IAIN STEWART SYDNEY ; GUASTELLA ADAM JOHN SYDNEY ; BOWEN MICHAEL THOMAS SYDNEY ; CARSON DEAN SAMUEL SYDNEY

Agent(s): FB RICE; FB RICE PTY LTD; LEINWEBER AND ZIMMERMANN; HARRISON SUSAN JOAN; VALLEJO JUAN PEDRO; BOZICEVIC FIELD AND FRANCIS LLP; CAROL L; OLIVE MARK 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

21) Family number: 49580329 (US2014079855A)

© PatBase

Title: METHOD FOR PRODUCING COFFEE EXTRACT

Abstract: A method for manufacturing a coffee extract is provided which method enables flavor ingredients of coffee to be extracted separately from bitter ingredients. A coffee extract is obtained by a method including a) a step of placing coffee granules in a granule container part substantially sealed by a restraining member, b) a step of guiding an extraction solvent from a first direction into the granule container part for extraction, and c) a step of retrieving, from the first direction, a coffee extract stored in the granule container part.

Classifications:

International (IPC 8-9): A23F3/16 A23F3/20 A23F5/16 A23F5/18 A23F5/24 A23F5/26 A23L2/38 A47J31/06 A47J31/10 A47J31/14 A47J31/24 A47J31/40 A47J31/44 A47J31/46

B65D85/804 (Advanced/Invention);

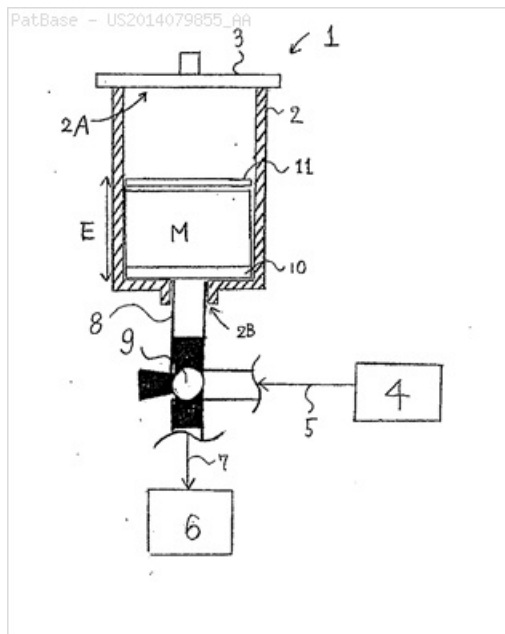
A23F5/24 (Advanced/Non-invention);

A23F5/24 A23F5/26 A47J31/44 (Core/Invention)

CPC: A23F5/26 A47J31/44 A23F5/262 A47J31/407 A47J31/4478 B65D85/8043

European: A23F5/26

US: 426/432 99/279 99/295 99/300



Family:

Publication number	Publication date	Application number	Application date
AU2011355934 AA	20120726	AU20110355934	20110824
AU2011355934 BB	20160804	AU20110355934	20110824
AU2011355935 AA	20120726	AU20110355935	20110824
AU2011355935 BB	20160811	AU20110355935	20110824
AU2011356012 AA	20120726	AU20110356012	20110801
AU2011356012 BB	20150820	AU20110356012	20110801
CN103596446 A	20140219	CN201180069371	20110801
CN103596446 B	20170215	CN201180069371	20110801
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CN103596476 B	20161109	CN201180069351	20110824
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DE602011022158 D1	20160128	DE201160022158T	20110824
DE602011022726 D1	20160303	DE201160022726T	20110824
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JP2011161223 A2	20110825	JP20110007382	20110117
JP2012098717 A1	20140609	JP20120553550T	20110801
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JP2012098726 A1	20140609	JP20120553554T	20110824
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RU2013138455 A	20150227	RU20130138455	20110801
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RU2578113 C2	20160320	RU20130138456	20110824
RU2583300 C2	20160510	RU20130138455	20110801
TH135222 A	20140721	TH20131003921	20110824
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TH142703 A	20150827	TH20131003920	20110824
TW201230967 A	20120801	TW20110127324	20110801
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US2014109771 AA	20140424	US20110979885	20110824
US10051989 BB	20180821	US20110979885	20110824
US10080460 BB	20180925	US20110979888	20110824
WO12098717 A1	20120726	WO2011JP67625	20110801
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WO12098726 A1	20120726	WO2011JP69071	20110824

Priority:

JP2010006505	20100115	JP20110007366	20110117	JP20110007382	20110117
WO2011JP67625	20110801	JP20120553550T	20110801	CN201180069351	20110824
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JP20160075078	20160404				

Probable Assignee: SUNTORY BEVERAGE AND FOOD LTD

Assignee(s): (std): FURUTA HIROKI ; MITSUHASHI MORIO ; NAKAJIMA MAKOTO ; NAKAO YOSHIHIRO ; OKA KITARO ; SUNTORY HOLDINGS LTD ; SHIMIZU HIROAKI ; SAKUMA CHISEKO ; YOKOO YOSHIAKI ; SUNTORY BEVERAGE AND FOOD LTD ; SANTORI BEVERIDZH EHND FUD LTD ; SANTORI BEVERIDZH END FUD LTD

Assignee(s): SUNTORY HOLDINGS LIMITED

Inventor(s): (std): SAKUMA TISEKO ; MITSUHASHI MORIO ; FURUTA KHIROKI ; NAKADZIMA MAKOTO ; JOKOO JOSIAKI ; SIMIZU KHIROAKI ; MITSUKHASI MORIO ; NAKAO JOSIKHIRO ; NAKAO YOSHIHIRO ; FURUTA HIROKI ; MIHASHI MORIO ; YOKOO YOSHIAKI ; NAKAJIMA MAKOTO ; SAKUMA CHISEKO ; OKA KITARO ; SHIMIZU HIROAKI

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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

22) Family number: 34851338 (EP2058243A1)

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Title: Method for the preparation of beverages

Abstract: A cartridge for use in a beverage preparation machine, the cartridge containing one or more beverage ingredients and being formed from substantially air- and water-impermeable materials, wherein the one or more beverage ingredients is

a liquid chocolate ingredient.

Classifications:

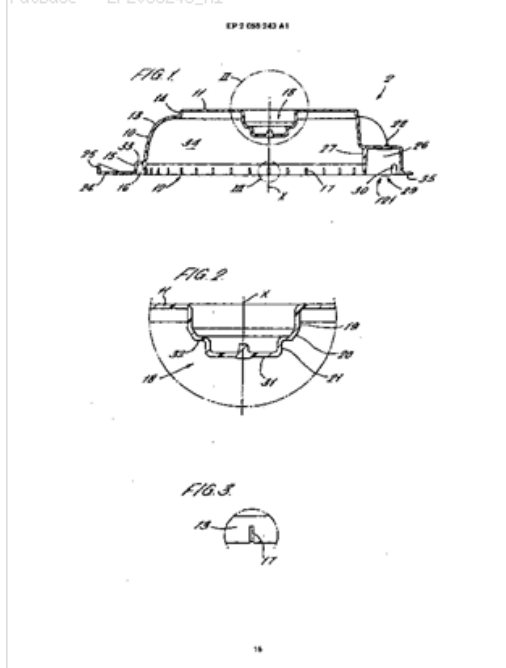
International (IPC 8-9): B65D81/00 B65D85/804 (Advanced/Invention)

International (IPC 1-7): B65D81/00

CPC: B65D85/8043

European: B65D85/804B

PatBase - EP2058243_A1



Family:

Publication number	Publication date	Application number	Application date
AT336441 E	20060915	AT20040250365T	20040123
DK1440908 T3	20070108	DK20040250365T	20040123
EP2058243 A1	20090513	EP20090001900	20040123
EP2058243 B1	20110914	EP20090001900	20040123
ES2270290 T3	20070401	ES20040250365T	20040123

Priority:

GB20030001702 20030124 EP20040250365 20040123 EP20060005233 20040123

Probable Assignee: KRAFT FOODS R AND D INC

Assignee(s): (std): KRAFT FOODS R AND D INC

Inventor(s): (std): BALLARD COLIN ; GOMEZ MARIA ; HALLIDAY ANDREW ; PANESAR SATWINDER ; RENDLE GEOFF

Agent(s): SETNA ROHAN P

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

23) Family number: 54704346 (US2015056330A)

© PatBase

Title: FILTRATION UNIT FOR USE IN MACHINE FOR PREPARING READY-TO-DRINK NUTRITIONAL LIQUIDS

Abstract: Filtration unit (12) for use in a beverage preparation machine using a container for preparing the beverage; the unit being adapted to engage a container holder (3) intended to be inserted in the machine; said filtration unit comprising a filter (14) and a protective casing (12) encompassing the filter; said casing comprising an inlet wall with at least one liquid inlet (24) and an outlet wall with at least one liquid outlet (25) for delivering filtered liquid to a container lodged in the container holder wherein the filter (14) is arranged in a removable manner from the casing.

Classifications:

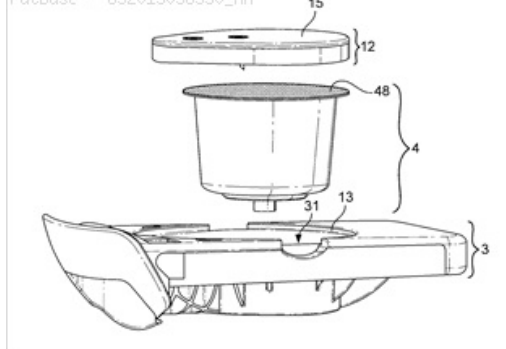
International (IPC 8-9): A47J31/06 A47J31/44

A47J31/60 (Advanced/Invention)

CPC: A47J31/06 A47J31/446 A47J31/605

US: 426/77 99/289R 99/323

PatBase - US2015056330_AA



Family:

Publication number	Publication date	Application number	Application date
AU2013225224 AA	20130906	AU20130225224	20130222
AU2013225224 BB	20170330	AU20130225224	20130222
CA2865834 AA	20140828	CA20132865834	20130222
CN104271015 A	20150107	CN201380022541	20130222
CN104271015 B	20170222	CN201380022541	20130222
DE602013003373 D1	20151119	DE201360003373T	20130222
EP2819560 A1	20150107	EP20130705483	20130222

EP2819560 B1	20151007	EP20130705483	20130222
US2015056330 AA	20150226	US20130382131	20130222
US10165890 BB	20190101	US20130382131	20130222
WO13127694 A1	20130906	WO2013EP53531	20130222

Priority:

EP20120157454 20120229 EP20130705483 20130222 WO2013EP53531 20130222

Probable Assignee: NESTEC SA

Assignee(s): (std): DOGAN NIHAN ; MANSER DANIEL ROLAND ; NESTEC SA ; WYSS HEINZ ; BEZET NICOLAS JEAN GUY

Assignee(s): DES PRODUITS NESTLE SA SOC ; NESTEC SAAVENUE NESTLÉ 55CH-1800VEVEYCH ; NESTEC S A

Inventor(s): (std): DOGAN NIHAN ; MANSER DANIEL ROLAND ; WYSS HEINZ ; BEZET NICOLAS JEAN GUY

Inventor(s): WYSS HEINZCH ; BEZET NICOLAS JEAN GUYFR ; MANSER DANIEL ROLANDCH ; DOGAN NIHANCH

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWALTE PARTMBB; BORNE PATRICE DANIEL; DUNLAP CODDING PC; BORNE PATRICE

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

24) Family number: 54704347 (US2015027318A)

© PatBase

Title: CONTAINER HOLDER WITH FILTRATION UNIT FOR USE IN A NUTRITIONAL PREPARATION MACHINE

Abstract: Container holder (3) for use in a nutritional liquid preparation machine (1) for the preparation of a nutritional liquid from the mixture of ingredients contained in a container and liquid supplied by the machine in the container; said holder comprising a body with a container receiving seat (31) arranged for receiving the container (4) in a defined container sitting position and a filtration unit (12); such filtration unit comprising a liquid outlet (25) wherein the filtration unit is arranged with the container holder to be movable between a first position in which the container receiving seat (31) of the holder is uncovered for enabling the loading and unloading of the container in the container holder and a second position in which the container receiving seat (31) is covered by the filtration unit for enabling the liquid outlet (25) of the filtration unit to be positioned at the inlet side of the container (4) when a container is present in the container holder (3).

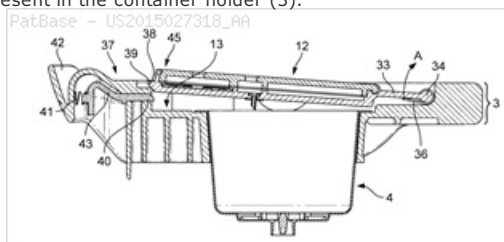
Classifications:

International (IPC 8-9): A47J31/06 A47J31/40 A47J31/44

A47J31/60 (Advanced/Invention)

CPC: A47J31/4403 A47J31/407 A47J31/605

US: 99/295



Family:

Publication number	Publication date	Application number	Application date
AU2013225226 AA	20130906	AU20130225226	20130222
AU2013225226 BB	20170330	AU20130225226	20130222
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CN104271014 A	20150107	CN201380022525	20130222
CN104271014 B	20171010	CN201380022525	20130222
EP2819561 A1	20150107	EP20130705769	20130222
EP2819561 B1	20190703	EP20130705769	20130222
US2015027318 AA	20150129	US20130382069	20130222
US9993108 BB	20180612	US20130382069	20130222
WO13127696 A1	20130906	WO2013EP53539	20130222

Priority:

EP20120157452 20120229 EP20130705769 20130222 WO2013EP53539 20130222

Probable Assignee: NESTEC SA

Assignee(s): (std): NESTEC SA

Assignee(s): NESTEC SAAVENUE NESTLE 55CH-1800VEVEYCH ; WYSS HEINZ ; NESTEC S A ; BEZET NICOLAS JEAN GUY ; DES PRODUITS NESTLE SA SOC ; DOGAN NIHAN ; MANSER DANIEL ROLAND

Inventor(s): (std): DOGAN NIHAN ; MANSER DANIEL ROLAND ; WYSS HEINZ ; BEZET NICOLAS JEAN GUY

Inventor(s): WYSS HEINZCH ; BEZET NICOLAS JEAN GUYFR ; MANSER DANIEL ROLANDCH ; DOGAN NIHANCH

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; BORNE PATRICE DANIEL; NAVARRO FERNANDEZ MARIA ISABEL; DUNLAP CODDING PC; BORNE PATRICE

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

25) Family number: 31029348 (US2006275511A)

© PatBase

Title: JUCARA AND ACAI FRUIT-BASED DIETARY SUPPLEMENTS

Abstract: The present invention relates to stable, palatable, freeze-dried, fruit-based dietary supplements. Specifically, the invention relates to compositions of Acai fruit and Jucara fruit with high antioxidant capability and cyclooxygenase-inhibitory activity, and their uses. The invention further provides for methods of making stable, palatable, freeze-dried, fruit-based

dietary supplements from Acai fruit and Jucara fruit.

Classifications:

International (IPC 8-9): A23L A23L1/212 A23L1/28 A23L1/29
A23L1/30 A61K31/7048 A61K36/00 A61K36/18 A61K36/88
A61K36/888 A61K36/889 A61K9/00 A61K9/12 A61P1/04 A61P11/00
A61P19/02 A61P25/00 A61P25/16 A61P25/28 A61P29/00 A61P35/00
A61P39/06 A61P43/00 A61P9/00 A61P9/10
A61P9/14 (Advanced/Invention);
A61K (Subclass/Invention)

International (IPC 1-7): A61K35/78 A61K36/889

CPC: A61K2236/51 A61K9/0053 A23L1/2121 A23L1/3002 A23L19/01
A23L33/105 A61K36/889

European: A23L1/212B A23L1/30B A61K36/889

US: 1/1 424/45 424/45P 424/725 424/727 424/727P 424/777
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PatBase - US2006275511_AA

Patent Application Publication Doc. 7, 2006 Sheet 1 of 34 US 2006/0275511 A1

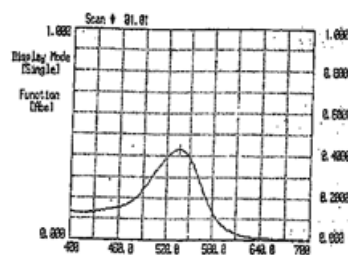


FIG. 1

Family:

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JP2006520804 T2	20060914	JP20060507456T	20040322
KR101166928 B1	20120816	KR20057017709	20050921
KR20060002838 A	20060109	KR20057017709	20040322
US2006275511 AA	20061207	US20040550502	20040322
US2009148390 AA	20090611	US20080259993	20081028
US2009155398 AA	20090618	US20080259977	20081028
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US2010003355 AA	20100107	US20090498269	20090706
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US2015258163 AA	20150917	US20150726221	20150529
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US7563465 BB	20090721	US20040550502	20040322
US7700138 BB	20100420	US20080259988	20081028
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Priority:

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Probable Assignee: K2A LLC

Assignee(s): (std): K2A CO LTD ; K2A INC ; K2A LLC ; MURDOCK KENNETH A ; SCHAUSS ALEXANDER G

Assignee(s): K2A CO ; K2A LLC SPRINGVILLE

Inventor(s): (std): CHAUS A G ; MURDOCK K A ; CHAUS K A MURDOCK A G ; MURDOCK KENNETH A ; SCHAUSS ALEXANDER G ; KENNETH A MURDOCK ; ALEXANDER G SCHAUSS

Inventor(s): SCHAUSS ALEXANDER ; MURDOCK KENNETH ; SCGAYSSM AKEXABDER G ; K A MURDOCH A G CHAUS ; MURDOCK KENNETH A SPRINGVILLE ; SCHAUSS ALEXANDER G TACOMA ; K A MURDOCH ; A G CHAUS

Agent(s): PHILLIPS ORMONDE FITZPATRICK; SIM AND MCBURNEY; MANITZ FINSTERWALD AND PARTNER GBR; CARPINTERO MARIO; MARKS AND CLERK; GREENBERG TRAURIG LLP; GREENBERG TRAURIG LLP (LA); STEVE P HASSID SILICON EDGE LAW GROUP LLP; STEVE P; SILICON EDGE LAW GROUP LLP; CHEN; STEVE; PARTNERS LAW GROUP INC; PARTNERS LAW GROUP

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

26) Family number: 41451379 (US2004022865A)

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Title: CULTURE MEDIA AND METHODS OF MAKING AND USING CULTURE MEDIA

Abstract: Micro-clustered liquids, methods of manufacture and use. Culture media and cultures comprising micro-clustered water; use of micro-clustered culture media and cultures for cell, tissue and organ maintenance and growth; use in microbial biotechnology.

Classifications:

International (IPC 8-9): A01N59/00 A23L1/00 A23L1/22 A61K A61K31/198 A61K33/00 A61K35/02 A61K41/00 A61K45/00 A61K47/00 A61K47/02 A61K47/04 A61K49/18 A61K8/00 A61K8/02 A61K8/19 A61K8/27 A61K8/29 A61K8/44 A61K8/67 A61K9/08 A61P1/00 A61P13/12 A61P17/00 A61P17/02 A61P17/06 A61P17/14 A61P17/16 A61P17/18 A61P19/02 A61P21/00 A61P25/00 A61P27/02 A61P29/00 A61P3/02 A61P31/00 A61P31/16 A61P35/00 A61P37/00 A61P37/08 A61P39/06 A61P9/00 A61P9/04 A61Q11/00 A61Q15/00 A61Q17/00 A61Q17/04 A61Q19/00 A61Q19/04 A61Q19/08 A61Q3/00 A61Q7/00 B01D19/00 B01F15/00 B01F15/02 B01F3/04 B01F5/02 B01J19/00 B01J19/26 C01B5/00 C02F1/00 C02F1/34 C02F1/46 C02F1/72 C02F3/00 C10L1/18 C11C3/02 C12N1/00 C12N15/09 C12N5/02 C12N5/071 C12N5/0784 C12N5/0786 E21B47/00 (Advanced/Invention); A61K35/02 A61K47/02 A61K8/00 A61P17/00 A61P21/00 A61P29/00 B01D17/038 B01D19/00 B01D21/26 B01D45/12 B01J19/00 B02C19/06 C02F1/20 C02F1/72 (Advanced/Non-invention); A01N59/00 A23L1/00 A23L1/22 A61K31/185 A61K33/00 A61K35/02 A61K41/00 A61K45/00 A61K47/00 A61K47/02 A61K49/06 A61K8/00 A61K8/02 A61K8/19 A61K8/30 A61K9/08 A61P1/00 A61P13/00 A61P17/00 A61P17/18 A61P25/00 A61P27/00 A61P29/00 A61P31/00 A61P35/00 A61P37/00 A61P9/00 A61Q11/00 A61Q15/00 A61Q17/00 A61Q17/04 A61Q19/00 A61Q19/04 A61Q19/08 A61Q3/00 A61Q7/00 B01J19/26 C02F1/00 C02F1/34 C02F3/00 C11C3/00 C12N1/00 C12N15/09 C12N5/02 C12N5/071 C12N5/0784 C12N5/0786 E21B47/00 (Core/Invention); C02F1/72 (Core/Non-invention); A61K (Subclass/Invention)

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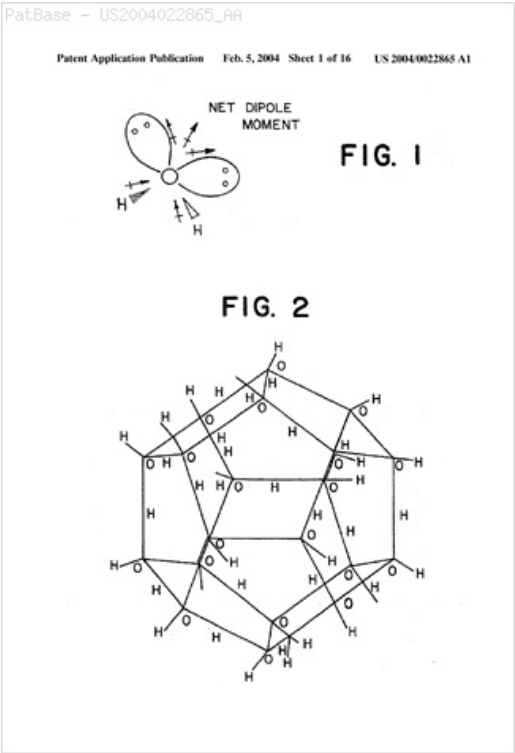
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Priority:

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US20080106213	20080418				

Probable Assignee: BIO HYDRATION RESEARCH LAB INC

Assignee(s): (std): AQUAPHOTONICS ; AQUAPHOTONICS INC ; BARANOV EUGENE ; BIO HYDRATION RES LAB INC ; TANKOVICH NIKOLAI ; HOLLOWAY JR WILLIAM D ; HOLLOWAY WILLIAM D JR ; HOLLOWAY MICHAEL A ; TARBET KENNETH H

Assignee(s): WEST BANK OF ; BIO HYDRATION RESEARCH LAB INC ; PROBERT GREGORY ; HOLLOWAY WILLIAM D ; BANK OF WEST

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Inventor(s): HOLLOWAY WILLIAM DJR ; HOLLOWAY WILLIAM D JR HOLLOWAY MICHAEL A ; EUGENE BARANOV ; WILLIAM D JR HOLLOWAY ; W D HOLLOWAY JR ; TARBET KENNETH ; HOLLOWAY MICHAEL ; HOLLOWAY WILLIAM ; M A HOLLOWAY ; MICHAEL A HOLLOWAY ; NIKOLAI TANKOVICH

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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 EF 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

27) Family number: 69101397 (US2018093067A)

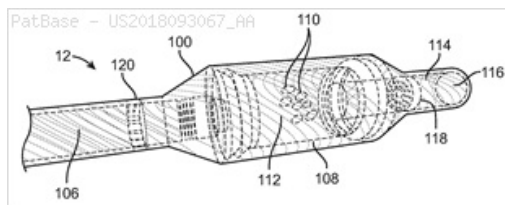
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Title: DEVICES, SYSTEMS AND METHODS FOR DELIVERING COFFEE-DERIVED VOLATILES

Abstract: Devices, systems and methods are provided for delivering coffee-derived volatiles to a user, particularly for the treatment of addiction. The coffee volatiles are selected and delivered by devices and systems which allow for concentrated delivery to the olfactory system of the user in a controlled manner. The olfactory system is the part of the sensory system used for smelling or olfaction. Olfaction of such coffee volatiles in this prescribed fashion stimulates the reward system of the brain such that a specific desired outcome is achieved. In some embodiments, the desired outcome is a reduction in addiction symptoms or curbing of a sensation of addiction withdrawal.

Classifications:

International (IPC 8-9): A23F5/46 A24F47/00 A61K36/74 A61K9/00
A61M15/00 A61M15/06 A61M15/08 A61M21/00 A61M21/02
A61P25/30 (Advanced/Invention)
CPC: A61M21/02 A61K36/74 A61K9/0073 A61M2021/0016
A61M15/06 A61M15/08 A61M15/0001 A61M15/003 A61M15/009
A61M2021/0077 A61M2205/18 A61M2205/75 A61K9/0043
A61M15/002 A24F47/002 A61M11/005 A61M11/007 A61M11/042
A61M15/001 A61M2205/3569 A61M2205/8206

**Family:**

Publication number	Publication date	Application number	Application date
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CN110022922 A	20190716	CN201780074945	20171003
KR20190065356 A	20190611	KR20197012746	20171003
US2018093067 AA	20180405	US20170724007	20171003
WO18067579 A1	20180412	WO2017US54955	20171003

Priority:

US20160403607P 20161003 US20170724007 20171003 WO2017US54955 20171003

Probable Assignee: MOLL NETO JORGE NEVAL

Assignee(s): (std): MOLL NETO JORGE NEVAL ; NETO JORGE ; NETO JORGE NEVAL MOLL

Assignee(s): OIGMAN SILVIA SIAG ; ARNETT BENJAMIN SCOTT ; CHRISTIAN JEFFREY J

Inventor(s): (std): MOLL NETO JORGE NEVAL ; OIGMAN SILVIA SIAG ; NETO JORGE NEVAL MOLL ; OIGMAN SILVIA ; NETO JORGE ; CHRISTIAN JEFFREY J ; ARNETT BENJAMIN SCOTT

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; GOWLING WLG CANADA LLP; HESLIN JAMES 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 JO 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

28) Family number: 51107407 (US2012121764A)

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Title: BREWED BEVERAGE APPLIANCE AND METHOD

Abstract: 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.

Classifications:

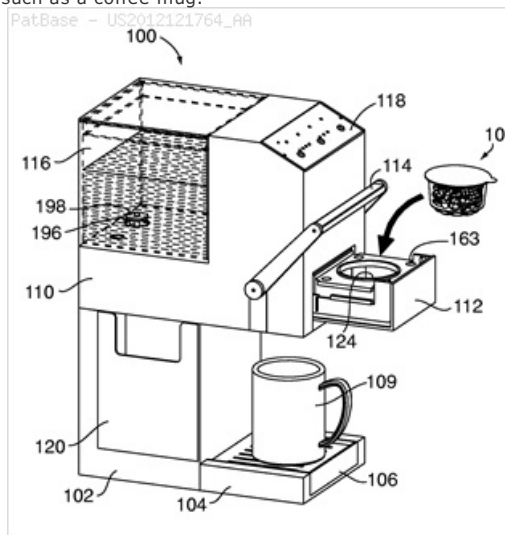
International (IPC 8-9): A23F A23F5/00 A23F5/08 A23F5/26 A47J A47J31/00 A47J31/02 A47J31/057 A47J31/06 A47J31/10 A47J31/24 A47J31/36 A47J31/40 A47J31/42 A47J31/44 A47J31/46 A47J31/54 A47J31/58 A47J31/60 B01D27/04 B01D27/08 B65B29/02 B65D77/30 B65D81/34 B65D85/50 B65D85/804 B65D85/808 B65D85/816 (Advanced/Invention); A23F5/00 A47J31/057 A47J31/36 A47J42/00 B65D77/30 B65D85/50 (Advanced/Non-invention); A47J (Subclass/Invention)

International (IPC 1-7): A23F5/00

CPC: A47J31/605 A47J31/0573 A47J42/00 B65D85/8043 A47J31/0689 A47J31/3623 A47J31/24 A47J31/58 A47J31/42 A47J31/46 A23F5/00 A47J31/44 B65B29/025

European: A47J31/36A4 A47J31/42

US: 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

**Family:**

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PatBase PDF Export - Page: 31 16/07/2019

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Priority:

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Probable Assignee: NESTEC SA

Assignee(s): (std): ABEGGLEN DANIEL ; GERBAULET ARNAUD ; JARISCH CHRISTIAN ; KAESER STEFAN ; KAESER THOMAS ; NESTEC SA ; MAGRI CARLO ; NESTEK SA ; NESTEK S A ; PERENTES ALEXANDRE

Assignee(s): NESTEC S A ; DES PRODUITS NESTLE SA SOC

Inventor(s): (std): JARISCH CHRISTIAN ; KAESER STEFAN ; PERENTES ALEXANDRE ; MAGRI CARLO ; GERBAULET ARNAUD ; ABEGGLEN DANIEL ; KAESER THOMAS ; THOMAS KAESER ; DANIEL ABEGGLEN ; ARNAUD GERBAULET ; CHRISTIAN JARISCH ; STEFAN KAESER ; ALEXANDRE PERENTES ; CARLO MAGRI ; KEZER SHTEFAN ; KAEZER TOMAS ; ZHARISH KRISTIAN ; PERANTE ALEKSANDR ; ZHEBOLE ARNO ;

Inventor(s): ABEZHLEN DANIEHL ; MAGRI KARLO ; ABEZHLEN DANIEL ; JARISH CHRISTIAN
STEPHAN KAESER ; ABEGGLEN DNATÉL

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; BORNE PATRICE DANIEL;
SIVIER DAMIEN; ISERN JORGE; ZHONGZI IP; DR YITZHAK HESS AND PARTNERS; BORNE PATRICE

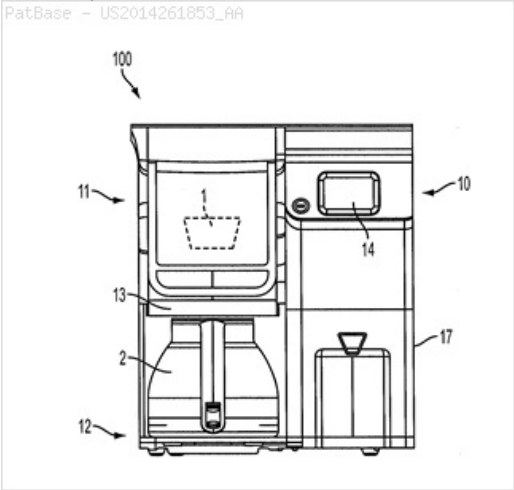
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30) Family number: 57418442 (US2014261853A) © PatBase

Title: BEVERAGE CARAFE LID OPEN/CLOSED DETECTION AND SYSTEM CONTROL

Abstract: A beverage forming method and system in which a carafe is positionable at a carafe receiving area of a beverage forming machine with a lid of the carafe in an open position or a closed position. The carafe may be positioned at the carafe receiving area in any one of multiple rotational positions within a range of 45 to 180 degrees, and the machine may detect whether the lid is open or not for any of the rotational positions. Beverage forming is prevented if the lid is detected to be closed, allowing the carafe to be safely stored on the machine regardless of lid position.

Classifications:
International (IPC 8-9): A47J A47J31/06 A47J31/46 B67D3/00
B67D7/32 (Advanced/Invention);
A47J (Subclass/Invention)
CPC: A47J31/46 B67D3/0006 B67D7/32 A47J31/061
US: 141/1 99/283



Family:

Publication number	Publication date	Application number	Application date
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US2014261853 AA	20140918	US20130795671	20130312
US9554668 BB	20170131	US20130795671	20130312
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Priority:
US20130795671 20130312 WO2014US20460 20140305

Probable Assignee: KEURIG GREEN MOUNTAIN INC

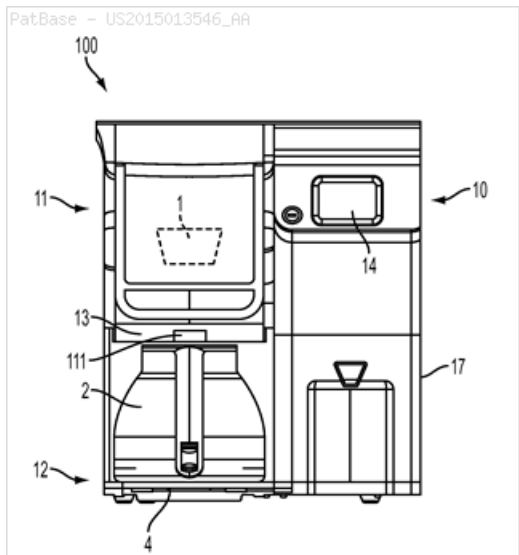
Assignee(s): (std): KEURIG GREEN MOUNTAIN INC ; KEURIG INC
Assignee(s): GREEN MOUNTAIN COFFEE ROASTERS INC ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS
Inventor(s): (std): HAWAT HASSIB ; CARNEVALE PAOLINO ; JACOBS WILLIAM T ; CARNEVALE PAOLINO P ; JACOBS WILLIAM T WT ; HAWAT HASSIB H
Agent(s): HGF LTD; SHANGHAI INTELLECTUAL PROPERTY OFFICE; WOLF GREENFIELD AND SACKS PC; HUNT ROBERT 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
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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

31) Family number: 58284453 (US2015013546A) © PatBase

Title: BEVERAGE MACHINE WITH CARAFE COMPATIBLE DRIP TRAY

Abstract: A beverage forming method and system in which a carafe is positionable at a carafe receiving area of a beverage forming machine with a lid of the carafe in an open position or a closed position. The carafe may be positioned at the carafe receiving area in any one of multiple rotational positions within a range of 45 to 180 degrees, and the machine may detect whether the lid is open or not for any of the rotational positions. A drip tray may receive waste liquid into two different waste liquid receiving areas, and may detect the presence of liquid for different volumes received into the respective areas. Holes or other opening in the drip tray may be configured to receive liquid flowing down a side surface of a carafe when the liquid reaches a periphery of the carafe base.

Classifications:
International (IPC 8-9): A47J31/06 A47J31/44



Family:

Publication number	Publication date	Application number	Application date
TW201526852 A	20150716	TW20140123641	20140709
US2015013546 AA	20150115	US20140326550	20140709
US9788685 BB	20171017	US20140326550	20140709
WO15006448 A1	20150115	WO2014US45953	20140709

Priority:

US20130844691P 20130710 US20140326550 20140709

Probable Assignee: KEURIG GREEN MOUNTAIN INC

Assignee(s): (std): KEURIG GREEN MOUNTAIN INC

Assignee(s): JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Inventor(s): (std): KASTOR NIKOLAS

Agent(s): WOLF GREENFIELD AND SACKS PC; HUNT ROBERT 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 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

32) Family number: 49624456 (US2011233236A)

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Title: CONTINUOUS, COMPLETE, AUTOMATIC, NON-LEAKING, NON-AERATING, POSITIVE PRESSURE ONE-PIECE VENT AND POURING COMBINATION UTILIZING ONE DIRECT VENTING APERTURE

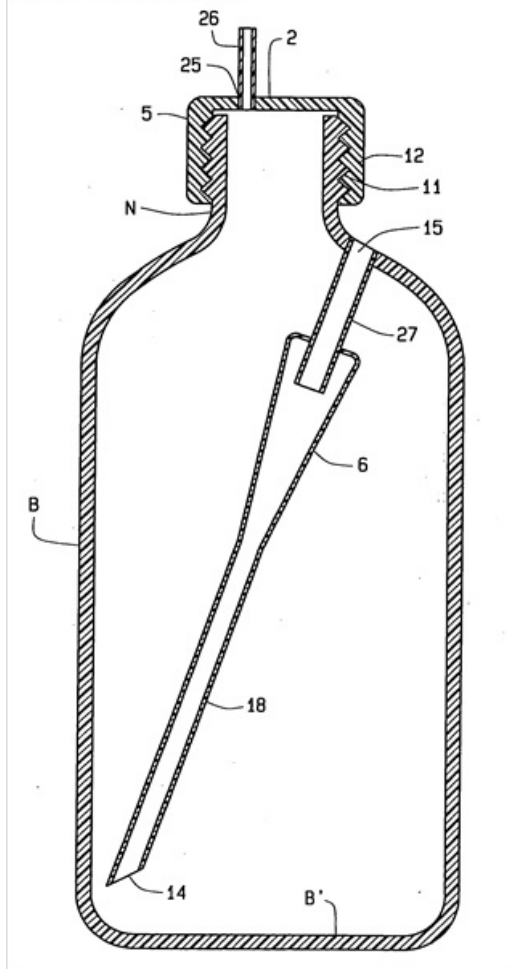
Abstract: A vent prevents a vacuum within an inverted container of liquid and eliminates components found in other container vents. The vent utilizes a conical or other shaped venting tube extending from the closure or a reservoir with reservoir extension and an air conduit extending inferiorly from a closure. The closure is either a leak resistant or leak proof seal. The superior aspect of the reservoir contains an inferiorly projecting air conduit, opening at the volumetric center of the reservoir. The reservoir extension projects distally into the container to reach the inferior aspect of the container. The vent provides an airway between the outside and the interior of the container so air freely passes to the distal aspect of the container without contaminating the liquid. Any liquid within the reservoir extension then collects in the reservoir during inversion of the container and then returns to the container when upright. Various attachments may be associated with the container, such as a nipple or spoon for infant feeding.

Classifications:

International (IPC 8-9): A45F3/16 A47G19/22 A61J11/00 A61J11/02 A61J11/04 A61J9/04 A61K A61K31/416 A61K31/4178 A61K31/4184 A61K31/47 A61K31/4709 A61K31/4725 A61K31/495 A61K31/513 A61K31/522 A61K31/7072 A61K45/06 A61K9/00 A61K9/10 A61K9/14 A61K9/16 A61K9/20 A61K9/48 A61P1/16 A61P31/14 A61P31/22 B65D25/04 B65D41/04 B65D47/06 B65D47/20 B65D47/32 B65D51/16 B65D85/72 B67D3/00 (Advanced/Invention); A61J11/04 (Advanced/Non-invention); A61K (Subclass/Invention)

International (IPC 1-7): A61K31/495 A61K31/522 A61P31/14
CPC: A45F3/16 A47G19/2227 B65D47/32 A47G19/2266 B65D47/06 A61K9/2013 A61K9/2054 B65D47/2018 A61K9/10 A61K2300/00 A61K31/4709 A61K9/1617 A61K9/1652 A61K31/7072 A61K31/416 A61K9/20 A61K9/14 A61K9/48 A61K45/06 A61K9/0053 A61K9/1635 A61K9/1641 A61K31/4184 A61K31/4725 A61P31/22 A61J11/02 A61J11/04 A61K9/16

European: A47G19/22B12 A61J11/02 B65D47/32 K61J11/04
US: 215/11.5 215/6 220/4.26 222/478 222/478S 222/481 222/481.5 222/481.500S 222/545 514/51

**Family:**

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Priority:

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Probable Assignee: TRUVENTS LLC

Assignee(s): (std): BROWN ROBERT J ; BROWN CRAIG E ; JANSSEN PHARMACEUTICALS INC ; ACHILLION PHARMACEUTICALS INC

Assignee(s): ALIOS BIOPHARMA INC ; AMERICAN PULVERIZER CO ; APELIAN DAVID ; JANSSEN CILAG ; JANSSEN PHARMACEUTICA NV ; JANSSEN RESEARCH AND DEVELOPMENT LLC ; TRUVENTS LLC ; FRY JOHN ; JANS EUGENE ; KAKUDA THOMAS NAOKI ; MAHADEVAN SIVI ; MERTENS ROEL ; PICCHIO GASTON

RAFAEL ; VAN DIJCK ALEX ; VAN REMOORTERE PETER ; HUI JAMES ; PHADKE AVINASH ; BEUMONT MARIA GLORIA ; BIJNENS LIEVE ; BLATT LAWRENCE M ; CHANDA SUSHMITA MUKHERJEE ; CHEN DAWEI ; DESHPANDE MILIND

Inventor(s): (std): VAN DIJCK ALEX ; MERTENS ROEL ; FRY JOHN ; CHANDA SUSHMITA MUKHERJEE ; VAN REMOORTERE PETER ; APELIAN DAVID ; HUI JAMES ; BEUMONT MARIA GLORIA ; BIJNENS LIEVE ; KAKUDA THOMAS NAOKI ; BLATT LAWRENCE M ; PICCHIO GASTON RAFAEL ; DESHPANDE MILIND ; PHADKE AVINASH ; MAHADEVAN SIVI ; CHEN DAWEI ; JANS EUGENE ; DESHPANDE MILIND ; LIEVE BIJNENS ; SUSHMITA MUKHERJEE CHANDA ; JOHN FRY ; ROEL MERTENS ; GASTON RAFAEL PICCHIO ; ALEX VAN DIJCK ; PETER VAN REMOORTERE ; AVINASH PHADKE ; LIEVE BIJNENS ; JOHN M FRY ; DAWEI CHEN ; LAWRENCE M BLATT ; MILIND DESHPANDE ; MARIA GLORIA BEUMONT ; SU CHANDA ; EUGENE JANS ; SIVI MAHADEVAN ; DAVID APELIAN ; JAMES HUI ; THOMAS NAOKI KAKUDA ; BROWN CRAIG E ; BROWN ROBERT J

Agent(s): DAVIES COLLISON CAVE PTY LTD ; GOWLING WLG CANADA LLP ; BASSIL NICHOLAS CHARLES ; SAEGUSA AND PARTNERS ; DENK PAUL M ; BELLOW BRENT R 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 JO JP KE KG KH KM KN KP KR KW 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

33) Family number: 52401473 (WO14037733A1)

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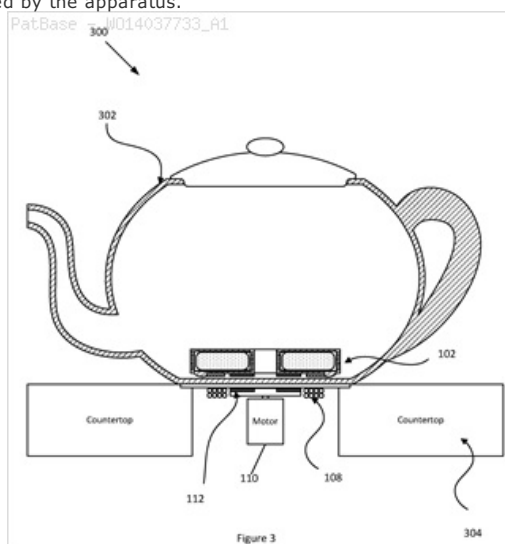
Title: BREWING APPARATUS, SYSTEM AND METHOD

Abstract: Infusion apparatus (100) for infusing a liquid with an infusion substance (104) for making a beverage is disclosed. The apparatus operates with a capsule (102) holding said infusion substance. The capsule is arranged to draw liquid into said capsule and to discharge liquid from the capsule under motion induced by the apparatus.

Classifications:

International (IPC 8-9): A47J31/20 A47J31/22 A47J31/36
B65D85/804 (Advanced/Invention)

CPC: A47J31/22 A47J31/3676 B65D85/8046 A47J31/20 A47J43/0465



Family:

Publication number	Publication date	Application number	Application date
GB201215879 A0	20121024	GB20120015879	20120905
GB2505659 A1	20140312	GB20120015879	20120905
WO14037733 A1	20140313	WO2013GB52334	20130905

Priority:

GB20120015879 20120905

Probable Assignee: CAMBRIDGE CONSULTANTS

Assignee(s): (std): CAMBRIDGE CONSULTANTS ; GOW ANDREW ; MAINWARING BURTON WILLIAM ROGER ; WELLS GEORGE

Assignee(s): CAMBRIDGE CONSULTANTS LIMITED ; CAMBRIDGE CONSULTANTS LTD

Inventor(s): (std): MAINWARING BURTON WILLIAM ROGER ; WELLS GEORGE ; GOW ANDREW

Inventor(s): ANDREW GOW ; GEORGE WELLS ; WILLIAM ROGER MAINWARING BURTON

Agent(s): MATHYS AND SQUIRE LLP

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 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

34) Family number: 58292485 (US2016137402A)

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Title: CAPSULE FOR BEVERAGE PREPARATION

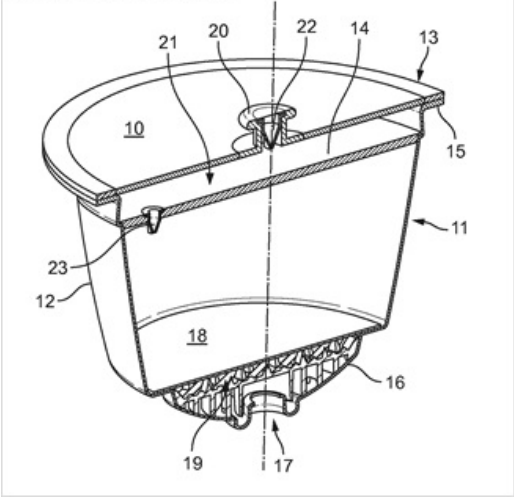
Abstract: The present invention is directed to container (11) for food or beverage preparation, comprising walls (12) defining at least one compartment adapted for containing at least one precursor ingredient, said walls (12) comprising at least one fluid connection portion (20) for fluidly coupling to a cooperating fluid connection portion (31) of a food or beverage preparation machine (1) having at least one source (3, 28) of a fluid mixing ingredient, whereby a food or beverage product is prepared within said compartment (11) by mixing said mixing ingredient with said precursor ingredient, said container (11) further comprising at least one food or beverage delivery wall (16, 17), characterized in that said container (11) comprises

built-in pump means (10, 13, 14, 21, 22, 23, 29) suitable for pumping said mixing ingredient from said source (3, 28) when said container (11) is fluidly connected to said machine (1), and for generating a fluid circulation within said at least one compartment, such that a food or beverage product is prepared and expelled through said delivery wall (16, 17).

Classifications:

International (ipc 8-9): A47J31/06 A47J31/24 A47J31/36 A47J31/40 A47J31/44 A47J31/46 B65B29/06 B65D47/20 B65D81/00 B65D85/804 F16K15/02 (Advanced/Invention)
CPC: A47J31/407 B65D47/20 F16K15/02 B65D2081/007 B65D85/8043 A47J31/4403 B65D85/8046 A47J31/303 A47J31/3623
US: 426/115 99/295

PatBase - US2016137402_AA



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Publication number	Publication date	Application number	Application date
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AU2014289201 AA	20151126	AU20140289201	20140710
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US2016137402 AA	20160519	US20140904186	20140710
US2018141747 AA	20180524	US20180876411	20180122
US9902556 BB	20180227	US20140904186	20140710
WO15004259 A1	20150115	WO2014EP64866	20140710
WO15004259 A8	20170713	WO2014EP64866	20140710

Priority:

EP20130175955 20130710	EP20140738506 20140710	RU20160104137 20140710
US20140904186 20140710	WO2014EP64866 20140710	US20160904186 20160111
US20180876411 20180122		

Probable Assignee: NESTEC SA

Assignee(s): (std): NESTEC SA ; NESTEK SA ; NESTEK S A

Assignee(s): ODET SAMUEL ; ROGNON VINCENT ; TALON CHRISTIAN ; DENISART JEAN LUC ; DENISART JEAN PAUL ; DES PRODUITS NESTLE SA SOC ; NESTEC S A

Inventor(s): (std): ODET SAMUEL ; TALON CHRISTIAN ; DENISART JEAN PAUL ; ROGNON VINCENT ; JEAN PAUL DENISART ; VINCENT ROGNON ; TALON KRISTIAN ; ODET SAMYUEL ; DENIZAR ZHAN LYUK ; RONON VENSAN ; ROGNON VICENT ; SAMUEL ODET ; CHRISTIAN TALON ; JEAN LUC DENISART ; ROGNON VINCET ; DENISART JEAN LUC

Inventor(s): VINCET ROGNON

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; ESTUDIO CAREY LIMITADA; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; SCHULLER CORNELIS; ISERN JORGE; IR YT WIDJOJO; OOO SOYUZPATENT; K AND L GATES LLP

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

Title: SYSTEM AND METHOD FOR PREPARING A LIQUID BEVERAGE FROM A CARTRIDGE

Abstract: A system and device for preparing a liquid beverage from a cartridge. The device includes a supply unit for supplying an injection fluid into the cartridge, a cartridge holder configured to accept and support the cartridge with the cartridge holder being detachable from the device. A complementary insertion mechanism of the device is configured to receive the cartridge holder in the device. The cartridge is positioned in the supply unit in an injection position with its injection surface substantially in an inclined plane relative to the horizontal plane and the injection mechanism is offset from the highest edge of the cartridge. The cartridge holder preferably comprises a linear wedge-shaped insertion member having a bearing surface inclined along an angle. The method of operation of the system and device are also disclosed.

Classifications:

International (IPC 8-9): A47J A47J31/00 A47J31/06 A47J31/32 A47J31/34 A47J31/36 A47J31/40 A47J31/44 F15D1/00 (Advanced/Invention); A47J31/00 A47J31/06 A47J31/24 A47J31/40 A47J31/44 B67D1/00 F15D1/00 (Core/Invention); A47J (Subclass/Invention)

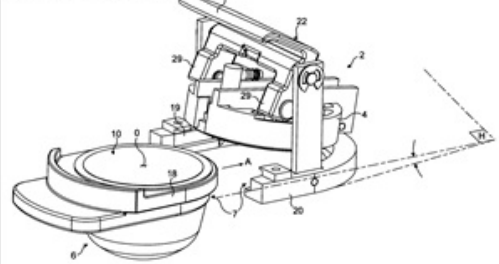
International (IPC 1-7): A47J31/00 A47J31/06 A47J31/40

CPC: A47J31/407 A47J31/3695 Y10T137/0318

European: A47J31/36B4D2

US: 1/1 137/1 137/1S 426/425 99/295 99/295P

PatBase - US2010083843 AA

**Family:**

Publication number	Publication date	Application number	Application date
AR065609 AA	20090617	AR2008P100915	20080305
AT431712 E	20090615	AT20070103613T	20070306
AU2008223929 AA	20080912	AU20080223929	20080227
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DK1967100 T3	20090720	DK20070103613T	20070306
EP1967100 A1	20080910	EP20070103613	20070306
EP1967100 B1	20090520	EP20070103613	20070306
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HK1123472 A1	20090925	HK20090101468	20090217
HK1123472 A1	20090619	HK20090101468	20090217
HK1123472 A3	20090619	HK20090101468	20090217
HK1123472 B	20090925	HK20090101468	20090217
JP2010519992 T2	20100610	JP20090552170T	20080227
JP5096501 B2	20121212	JP20090552170T	20080227
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KR20090122938 A	20091201	KR20097018608	20080227
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PH2013502154 A	20140818	PH20130502154	20131017
PH2013502154 B	20140818	PH20130502154	20131017
PT1967100 T	20090529	PT20070103613T	20070306
RU2009136702 A	20110420	RU20090136702	20080227
RU2454912 C2	20120710	RU20090136702	20080227
TW200911184 A	20090316	TW20080107930	20080306
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UA94993 C2	20110625	UA20090100159	20080227
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US8671828 BB	20140318	US20080529801	20080227
US9066622 BB	20150630	US20130038020	20130926
WO08107348 A1	20080912	WO2008EP52339	20080227
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Priority:

EP20070103613 20070306 WO2008EP52339 20080227 US20090529801 20090903
 US20130038020 20130926

Probable Assignee: NESTEC SA

Assignee(s): (std): MEIER ALAIN ; NESTEC SA ; TALON CHRISTIAN ; PLEISCH HANSPETER ; TACHIBANA TATSUHIKO ; NESTEC S A ; NESTEK S A ; NESTEK SA ; PLEISCH HANS PETER ; BONACCI ENZO ; DENISART JEAN LUC

Assignee(s): DES PRODUITS NESTLE SA SOC

Inventor(s): (std): TALON CHRISTIAN ; DENISART JEAN LUC ; PLEISCH HANS PETER ; MEIER ALAIN ; BONACCI ENZO ; ALAIN MEIER ; JEAN LUC DENISART ; ENZO BONACCI ; CHRISTIAN TALON ; HANSPETER PLEISCH ; MEIER ALEHN ; DENIZAR ZHAN LJUK ; BONACHCHI EHNZO ; PLJAJSH GANSPETER ; TALON KRISTIAN ; DENISART JEAN LUC ; DENISART JEAN LUC MEIER ALAIN ; PLEISCH HANSPETER

Inventor(s): DENISART JEAN LUC MEIER ALAIN BONACCI ENZO ; HANS PETER PLEISCH ; DENIZAR ZHAN-LJUK ; DENISART JEAN LUC MEIER ALAIN BONACCI ENZO PLEISCH HANSPETER TALON CHRISTIAN ;

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; HARNECKER; BORNE PATRICE DANIEL ET AL; ZHONGZI IP; WINSTON AND STRAWN LLP, PATENT DEPARTMENT; WINSTON AND STRAWN LLP PATENT DEPARTMENT; WINSTON AND STRAWN LLP; K AND L GATES LLP; BORNE PATRICE

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

36) Family number: 32877497 (US2006110507A)

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Title: CAPSULE WITH SEALING MEANS

Abstract: A capsule contains beverage ingredients such as ground coffee, tea or other ingredients and is configured for insertion in a beverage production device in order to have a liquid under pressure have enter the capsule and to interact with the ingredients in the capsule. The capsule comprises a base body and a foil member closing the base body by being attached to a flange-like rim extending from the side wall of the base body of the capsule. The base body of the capsule comprises a resilient sealing member, the sealing member being designed to be in sealing engagement with a bell member of the beverage production device.

Classifications:

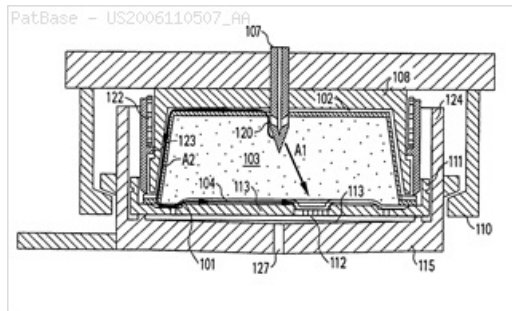
International (IPC 8-9): A23F5/00 A23F5/26 A23L1/28 A23L1/39 A23P1/04 A47J A47J31/06 A47J31/24 A47J31/34 A47J31/36 A47J31/40 A47J31/44 B65B29/02 B65D B65D77/00 B65D77/20 B65D81/00 B65D81/34 B65D85/804 B65D85/816 (Advanced/Invention); A23P1/04 (Advanced/Non-invention); A23F5/00 A23P1/04 A47J31/00 A47J31/06 A47J31/24 A47J31/40 A47J31/44 B65B29/00 B65D77/10 B65D81/00 (Core/Invention); A47J B65D (Subclass/Invention)

International (IPC 1-7): A47J31/40 B65D31/40 B65D81/00

CPC: B65D85/8043 A47J31/3628 A47J31/369 A47J31/40

European: A47J31/36A4B B65D85/804B K47J31/06C

US: 426/112 426/112S 426/431 426/432 426/433 426/433P 426/77 426/77P 426/78 426/79 99/286 99/289R 99/295 99/295P 99/295S 99/302R 99/307



Family:

Publication number	Publication date	Application number	Application date
AP200703946 A0	20070430	AP20070003946	20051020
AP2200 A	20110121	AP20070003946	20051020
AR055279 AA	20070815	AR2005P104471	20051025
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CA2728461 AA	20060504	CA20052728461	20051020
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Assignee(s): DES PRODUITS NESTLE SA SOC

Inventor(s): (std): YOAKIM ALFRED ; GAVILLET GILLES ; DENISART JEAN PAUL ; VAVILLET GILLES ; GILLES GAVILLET ; IOAKIM AL FRED ; YAOKIM ALFRED ; GAVILLET GUILLES ; GAVILLET GILES ; PLATTIEZ GILLES GAVILLET ; GILLES VAVILLET ; JEAN PAUL DENISART ; ALFRED YOAKIM ; JEAN PAUL YOAKIM ALFRED GAVILL ; GAVILLE ZHIL ; DENIZAR ZHAN POL ; JOAKIM AL FRED

Inventor(s): YOAKIM ALFRED GAVILLET GILLES DENISART JEAN PAUL ; YOAKIM ALFRED GAVILLET GILLES ; GAVILLET GILLES PLATTIEZ

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; DAVIES RUSSELL; BORDEN LADNER GERVAIS LLP; HARNECKER; ESTUDIO CAREY LTDA; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; RUPP CHRISTIAN; BORNE PATRICE DANIEL ET AL; BORNE PATRICE DANIEL; ISERN JORGE; ZHONGZI IP; DR YITZHAK HESS AND PARTNERS; BELL BOYD AND LLOYD LLC; WINSTON AND STRAWN LLP, PATENT DEPARTMENT; WINSTON AND STRAWN LLP PATENT DEPARTMENT; K AND L GATES LLP; WINSTON AND STRAWN 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 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

37) Family number: 33087507 (FR2879175B)

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Title: DOSETTE DE CAFE MOULU ET SON PROCEDE DE PREPARATION

Abstract: The pack has a predetermined quantity of ground coffee (12) in the form of an aggregate of ground coffee grains. The ground coffee has a circular shape or an approximately spherical ball shape. The predetermined quantity of ground coffee is introduced in a fusion chamber of a coffee drink e.g. espresso coffee, preparation and dispensing machine and compressed by a compression piston (9) of the dispensing machine. Independent claims are also included for the following: (A) a method for preparing a coffee stick pack (B) utilization of a coffee stick pack for the preparation of a coffee drink.

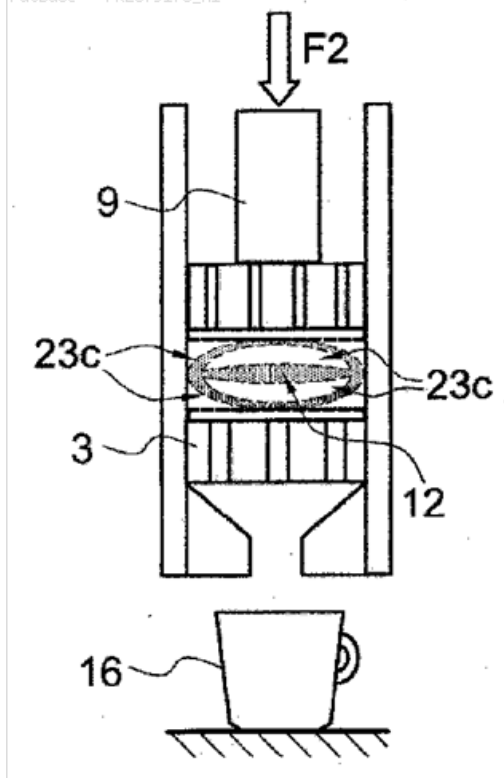
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International (IPC 8-9): B65B29/02 B65D81/34 B65D85/80
B65D85/804 (Advanced/Invention);
B65B29/00 B65D81/34 B65D85/80 B65D85/804 (Core/Invention)

CPC: B65D85/804

European: B65D81/00B B65D85/804

PatBase - FR2879175_A1



Family:

Publication number	Publication date	Application number	Application date
FR2879175 A1	20060616	FR20040013298	20041215
FR2879175 B1	20081114	FR20040013298	20041215

Priority:

FR20040013298 20041215

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Inventor(s):

ANDRE LUCIANI

Agent(s):

CABINET BEAU DE LOMENIE

38) Family number: 68505509 (US2019177079A)

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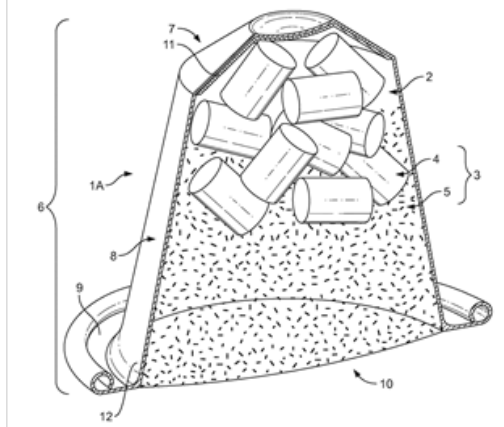
Title: CAPSULE FOR THE PREPARATION OF A BEVERAGE CONTAINING PELLETS

Abstract: The invention relates to a capsule for the preparation of a beverage in a beverage machine by feeding liquid in the capsule and extracting a beverage out of the capsule, wherein the capsule comprises containment walls forming an interior cavity containing beverage precursor; wherein the beverage precursor comprises a combination of non-compacted beverage extractable powder and pellets of compacted beverage extractable powder and wherein the largest dimension of each pellet is at least 3.5 millimeters. The invention enables to confer different beverage characteristics, for example, change the beverage extraction and aroma release kinetics, make more intense beverages and/or improve the beverage flow released from the capsule.

Classifications:

International (IPC 8-9): A23F5/26 A47J31/34 A47J31/40 B65B29/02
B65D85/804 (Advanced/Invention)

CPC: A47J31/407 B65B29/022 A23F5/262 A47J31/34 B65D85/8043

**Family:**

Publication number	Publication date	Application number	Application date
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US2019177079 AA	20190613	US20170321110	20170727
WO18024587 A1	20180208	WO2017EP68959	20170727

Priority:

EP20160182508 20160803 WO2017EP68959 20170727

Probable Assignee: NESTEC SA

Assignee(s): (std): NESTEC SA

Assignee(s): DES PRODUITS NESTLE SA SOC ; NESTEC S A

Inventor(s): (std): LACH LAURENT JOSEPH HENRY ; GOUTAL FABIEEN JEAN ANDRE ; CHAMPENOIS SANDRINE ; INDUNI ENRICO

Agent(s): DUCREUX MARIE; BORNE PATRICE

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 JO JP KE KG KH KM KN KP KR KW 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

39) Family number: 53749516 (US2014252093A)

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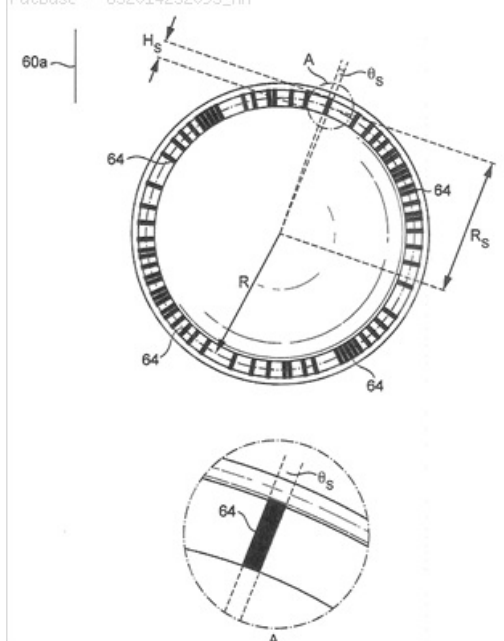
Title: SUPPORT AND CAPSULE FOR PREPARING A BEVERAGE BY CENTRIFUGATION, SYSTEM AND METHOD FOR PREPARING A BEVERAGE BY CENTRIFUGATION

Abstract: The invention relates to a code support (60a, 60b) adapted to be associated with or part of a capsule intended for delivering a beverage in a beverage producing device by centrifugation of the capsule. The support comprises a code formed by at least a first sequence of symbols and a second sequence of symbols. The code is represented on the support so that each symbol is sequentially readable by a reading arrangement (100) of an external reading device while the capsule is driven in rotation along an axis of rotation (Z). The first sequence comprises at least one first preamble sequence of symbols, and at least one first data sequence of symbols. The second sequence comprises at least one second preamble sequence of symbols and at least one second data sequence of symbols. The first preamble sequence is distinct from the second preamble sequence.

Classifications:

International (IPC 8-9): A47J A47J31/00 A47J31/06 A47J31/22 A47J31/36 A47J31/40 A47J31/44 B29C45/37 B32B1/00 B32B27/04 B32B27/18 B32B5/24 B32B7/12 B65D25/20 B65D85/804 G06F7/08 G06K G06K1/12 G06K19/06 G06K5/00 G06K7/10 G06K7/14 (Advanced/Invention); B29K23/00 B29L11/00 B29L31/00 G06K19/06 (Advanced/Non-invention); A47J31/14 A47J31/22 G06K19/06 (Core/Invention); A47J (Subclass/Invention)
CPC: G06K19/06075 G06K7/1473 A47J31/4492 G06K19/06009 G06K19/06028 G06K2019/06253 G06K2019/06271 G06K2019/0629 G06K1/121 G06K7/1421 G06K7/10821 G06K19/06168 G06K19/06018 A47J31/22 A47J31/407 B65D85/8043 G06K19/0614 B29L2031/7174 B29L2011/00 B29K2023/12 B29K2023/06 G06K19/06046 B65D25/205 B29C45/372 A47J31/44 G06K19/06
US: 1/1 235/375 235/437 235/462.03 235/494 264/1.1 425/542 426/232 426/87 99/285

PatBase - US2014252093_AA

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US20140358417	20140515	US20150863922	20150924	US20160240718	20160818
US20160244507	20160823	US20170453498	20170308		

Probable Assignee: NESTEC SA

Assignee(s): (std): NESTEC SA ; NESTEK SA ; NESTEK S A ; NECTEC S A

Assignee(s): NESTEC SA55 AVENUE NESTLECH-1800VEVEYCH ; NESTEC SAAV. NESTLE 55CH-1800VEVEYCH ; NORDQVIST DAVID ; PERENTES ALEXANDRE ; NESTEC S A ; GERBAULET ARNAUD ; KAESER STEFAN ; JARISCH CHRISTIAN ; MAGRI CARLO ; NECTEC SA ; ABEGGLEN DANIEL ; BENZ PATRIK ; CARCOUSTICS TECHCONSULT GMBH ; DES PRODUITS NESTLE SA SOC

Inventor(s): (std): ARNAUD GERBAULET ; CHRISTIAN JARISCH ; STEFAN KAESER ; ZHARISH KRISTIAN ; KEZER SHTEFAN ; ZHERBOLE ARNO ; JARISCH CHRISTIAN ; KAESER STEFAN ; GERBAULET ARNAUD ; GERBAULET AMAUD ; PERENTES ALEXANDRE ; MAGRI CARLO ; BENZ PATRIK ; ABEGGLEN DANIEL ; ZHERBOLE ARNO ; NORDQVIST DAVID ; NORDKVIST DAVID ; MAGRI KARLO ; DAVID NORDQVIST ; PERANTE ALEKSANDR ; PATRIK BENZ ; DANIEL ABEGGLEN ; BENZ PATRICK ; BENTS PATRIK ; ALEXANDRE PERENTES ; ABEZHLEN DANIEL ; CARLO MAGRI

Inventor(s): BRUENING HERMANN JOSEF ; CZERNY RUDOLF ; NORDQVIST DAVIDCH ; DAUB REINER ; SVIRIDENKO ANDREAS ; PERENTES ALEXANDRECH ; MAGRI CARLOCH ; JARISCH CHRISTIANCH ; KAESER

STEFANCH ; GERBAULET ARNAUDFR ; ABEGGLEN DANIELCH ; BENZ PATRIKCH

Agent(s):

SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; PATENTANWAELTE BAUER VORBERG KAYSER PARTNERSCHAFT MBB; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; SIVIER DAMIEN; MOODIE SIMON JAMES; SACROUG OLIVIER; ISERN JORGE; ZHONGZI IP; DR YITZHAK HESS AND PARTNERS; PINAR ARIKAN; K AND L GATES LLP; BORNE PATRICE

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

40) Family number: 30650546 (US2004107841A)

© PatBase

Title: DEVICE FOR MAKING COFFEE DRINK HAVING A CREMA LAYER

Abstract: Device for preparing a coffee drink having a visually appealing crema layer comprises a container for receiving flavor-containing materials and allowing it to interact with pressurized hot water to produce a coffee drink, an orifice for converting the coffee drink into a high speed drink jet, and a cyclone channel located below the orifice and adapted to interact with the jet to generate a cyclone zone therein during preparing the coffee drink. The cyclone zone stays alive by constantly drawing air in from atmosphere to emulsify with the coffee drink within the cyclone zone and constantly driving the resulting emulsion out of the cyclone zone as a result of the momentum of the jet. The emulsion separates into a coffee drink layer and a crema layer on top of the coffee drink upon being received in a cup.

Classifications:

International (IPC 8-9): A47J31/06 A47J31/44

A47J31/46 (Advanced/Invention);

A47J31/06 A47J31/44 (Core/Invention)

International (IPC 1-7): A23L1/00 A47J31/00 A47J31/06

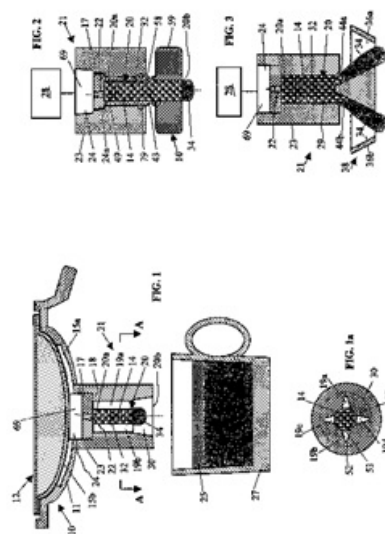
CPC: A47J31/0668 A47J31/4485 A47J31/4496 A47J31/467

European: A47J31/06C A47J31/06P4 A47J31/44D A47J31/44L A47J31/46S4 K47J31/44D

US: 99/275 99/275P 99/287 99/287S 99/293 99/302 99/302.00RP 99/302R 99/323.1

PatBase - US2004107841_AA

Patent Application Publication Jun. 10, 2004 Sheet 1 of 2 US 2004/0107841 A1



Family:

Publication number	Publication date	Application number	Application date
AU2003296361 AA	20040630	AU20030296361	20031208
US2004107841 AA	20040610	US20020315972	20021209
US2004187694 AA	20040930	US20040817298	20040402
US6840158 BB	20050111	US20020315972	20021209
WO04052158 A1	20040624	WO2003US39030	20031208

Priority:

US20020315972 20021209 WO2003US39030 20031208 US20040817298 20040402

Probable Assignee: CAI EDWARD Z

Assignee(s): (std): CAI EDWARD Z

Inventor(s): (std): EDWARD Z CAI ; CAI EDWARD Z

Designated states: AT AU BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR

41) Family number: 57187549 (US2015368033A)

© PatBase

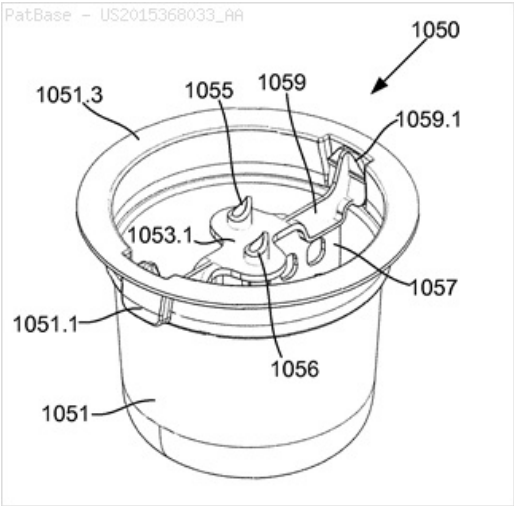
Title: A CAPSULE FOR BEVERAGE DISPENSING APPARATUS

Abstract: 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.

Classifications:

International (IPC 8-9): A47J31/40 B65D85/804 (Advanced/Invention)

CPC: B65D85/8043 A47J31/407



Family:

Publication number	Publication date	Application number	Application date
BR112015018884 A2	20170718	BR20151118884	20140207
CN105188489 A	20151223	CN201480019037	20140207
EP2953511 A2	20151216	EP20140703359	20140207
ID201701180 A	20170217	ID2015P0005446	20140207
IN07544DN2015 A	20160115	IN2015DN07544	20150825
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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

Priority:

WO2013EP52424 20130207 EP20140703359 20140207 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 ; N V NUTRICIA

Inventor(s): (std): HELD MICHA ALEXANDER ; STADMAN ROBERT ; SCHMALOR CHRISTIAN ; KROESEN KLAUS ; KRUG JOERG ; BURDETT GARY ; HODGES KEVIN NEVILLE ; MASON DAVID ANTHONY ; FOSTER JODY JAMES ; JOERG KRUG ; KLAUS KROESEN ; CHRISTIAN SCHMALOR ; MICHA ALEXANDER HELD ; DAVID ANTHONY MASON ; KEVIN NEVILLE HODGES ; GARY BURDETT ; ROBERT STADMAN ; JODY JAMES FOSTER

Inventor(s): JODYJAMES FOSTER ; KRUG JORG

Agent(s): APPELYARD LEES; DRS JB LUMENTA SH LLM; 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

42) Family number: 48787582 (US2011185911A) © PatBase

Title: FILTERING PERMEABLE THERMOFORMED CONTAINER FOR BEVERAGE-MAKING PRODUCTS WITH A FLAT RIM

Abstract: An improved filtering permeable thermoformed container is provided which can be formed from a flat film into a shape of a cup for containing water-soluble or brewing products for making beverages wherein an advantageously shaped reinforcement ring supports a rim of the film body and a membrane lid in a rigid manner to facilitate the lid being pierced.

Classifications:

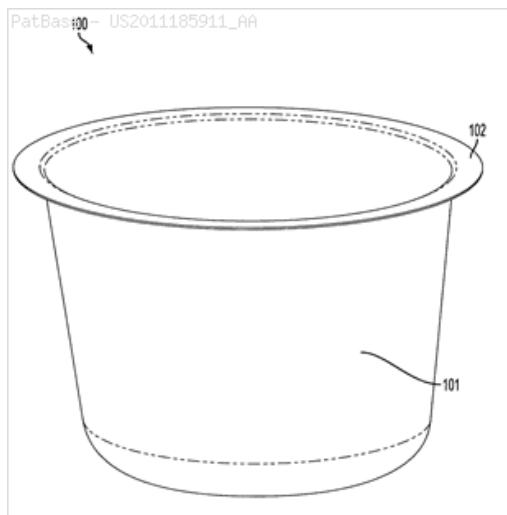
International (IPC 8-9): A47J31/06 A47J31/44 B01D63/00 B29C51/00 B65B29/02 B65D8/08 B65D85/00 B65D85/804 B65D85/808 B65D85/812 F01P3/02 F02B69/00 F02B75/02 F02B75/16 F02F1/22 F2B69/00 F2B75/02 F2B75/16 F2F1/22 (Advanced/Invention)

CPC: B65D85/808 B65D85/812 B65D65/466 B65D85/8043 B65B29/022 B65B29/028

European: B65D85/804B B65D85/808 B65D85/812

US: 206/0.5 206/459.5 210/321.6 210/321.600P 220/669 264/319 426/82 99/295 99/295P

Locarno class: 20/65



Family:

Publication number	Publication date	Application number	Application date
AU2010310164 AA	20120531	AU20100310164	20101019
AU2010310164 BB	20130725	AU20100310164	20101019
CA2778187 AA	20110428	CA20102778187	20101019
CA2778187 C	20140722	CA20102778187	20101019
CA2795507 AA	20121003	CA20112795507	20110407
CA2795508 AA	20121003	CA20112795508	20110407
CN102753456 A	20121024	CN201080058284	20101019
CN102753456 B	20141126	CN201080058284	20101019
DE602010008109 D1	20130829	DE201060008109T	20101019
EP2490962 A1	20120829	EP20100768882	20101019
EP2490962 B1	20130626	EP20100768882	20101019
EP2555997 A2	20130213	EP20110751632	20110407
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ITBO20100219 A1	20111010	IT2010BO00219	20100409
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RU2012143359 A	20140520	RU20120143359	20110407
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US2011185911 AA	20110804	US20110066158	20110407
US2011247975 AA	20111013	US20110066133	20110407
US2012269933 AA	20121025	US20100502860	20101019
WO11047836 A1	20110428	WO2010EP06389	20101019
WO11124988 A2	20111013	WO2011B01273	20110407
WO11124988 A3	20111229	WO2011B01273	20110407
WO11124989 A2	20111013	WO2011B01278	20110407
WO11124989 A3	20111229	WO2011B01278	20110407

Priority:

IT2009BO00679 20091021 IT2010BO00219 20100409 EP20100768882 20101019
 WO2010EP06389 20101019 WO2011B01273 20110407 WO2011B01278 20110407

Probable Assignee: RAPPARINI DZHINO

Assignee(s): (std): GINO RAPPARINI ; RAPPARINI DZHINO ; RAPPARINI GINO

Assignee(s): RAPPARINI GINOVIA CROARA 3/5I-40068BOLOGNAIT

Inventor(s): (std): GINO RAPPARINI ; RAPPARINI DZHINO ; RAPPARINI GINO

Inventor(s): RAPPARINI GINOVIA CROARA 3/5I-40068BOLOGNAIT

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; FPA PATENT ATTORNEYS PTY LTD; RICHES MCKENZIE AND HERBERT LLP; RIDOUT AND MAYBEE LLP; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAUESSER; MILTENYI PETER; TORTI CARLO

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

43) Family number: 43902590 (US7607592B)

© PatBase

Title: ACCESSORIES FOR WATER AND BEVERAGE BOTTLES

Abstract: An apparatus for accessorizing water and beverage bottles, including a water mister, a portable humidifier, a vitamin or nutritional supplement dispenser, and other useful accessories, which are quickly, easily, and removably attached to any commercially available consumer water or beverage bottle or container.

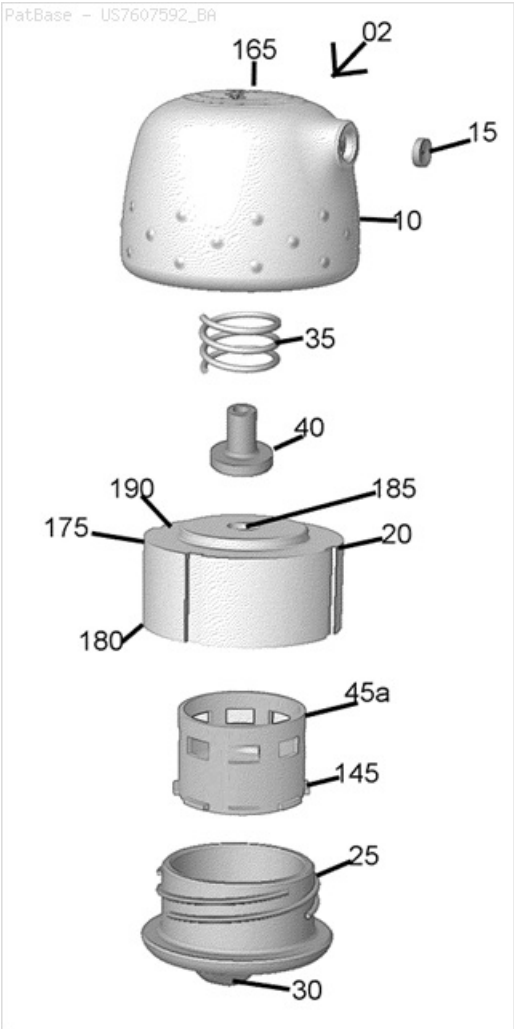
Classifications:

International (IPC 8-9): A01G25/14 B05B1/30

B05B9/00 (Advanced/Invention);

A01G25/00 B05B1/30 B05B9/00 (Core/Invention)

CPC: A01G25/14 B05B11/0037 B05B11/3001 B05B11/307
B05B11/3074
European: A01G25/14 B05B11/00P9R4 B05B11/30H7D
B05B11/30H8B L05B11/00B5 L05B11/30C
US: 239/376 239/377 239/379 239/571 239/577 239/583



Family:

Publication number	Publication date	Application number	Application date
US7607592 BA	20091027	US20050269938	20051108

Priority:

US20040626119P 20041108 US20050269938 20051108

Probable Assignee: KIM SANG B
Assignee(s): (std): KIM SANG B
Inventor(s): (std): KIM SANG B
Agent(s): LAW OFFICE OF DAIVD HONG

44) Family number: 29461591 (US2002086833A) © PatBase

Title: COCOA EXTRACT COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME

Abstract: Polyphenol-containing compositions, for example cocoa procyanidin monomer and/or oligomer-containing compositions, and their use for inhibiting bacterial growth are disclosed. Compositions may be used for human and veterinary animal administration and may be, for example, in a form of a food, a dietary supplement, or a pharmaceutical.

Classifications:

International (IPC 8-9): A23G1/00 A23G1/30 A23G1/32 A23G3/36
A23K1/16 A23K1/18 A23L1/30 A61K A61K31/00 A61K31/05
A61K31/185 A61K31/35 A61K31/352 A61K31/353 A61K31/355
A61K31/365 A61K31/366 A61K31/47 A61K31/4745 A61K31/65
A61K31/70 A61K31/7012 A61K31/702 A61K31/704 A61K31/7042
A61K31/7048 A61K31/715 A61K31/765 A61K35/00 A61K35/78
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A61K9/48 A61P A61P1/00 A61P1/02 A61P29/00 A61P3/00 A61P3/06
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A61P39/00 A61P39/06 A61P43/00 A61P7/00 A61P7/02 A61P9/00
A61P9/10 A61P9/12 A61Q11/00 C07D311/02 C07D311/32
C07D311/62 C07D311/64 C07D405/14 C07H15/02 C07H15/24
C07H15/26 C07H17/06 C07H17/065 C08G4/00 C08K11/00
C11B5/00 C12Q1/00 C12Q1/02 C12Q1/68 G01N33/50
G01N33/52 (Advanced/Invention);
A23G1/00 A23G1/30 A61K31/00 A61K31/35 A61K31/353
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A61K36/00 A61K36/185 A61K9/20 A61K9/28 A61P1/00 A61P29/00
A61P3/00 A61P31/00 A61P35/00 A61P37/00 A61P39/00 A61P43/00
A61P7/00 A61P9/00 (Advanced/Non-invention);
A23G1/00 A23G1/30 A23G3/34 A23K1/16 A23K1/18 A61K31/00
A61K31/045 A61K31/185 A61K31/35 A61K31/352 A61K31/365
A61K31/366 A61K31/47 A61K31/4738 A61K31/70 A61K31/7012

Patent Application Publication Jul. 4, 2002 Sheet 1 of 240 US 2002/0086833 A1

International (IPC 1-7): A23G1/00 A61K31/35 A61K31/352
A61K31/353 A61K31/355 A61K31/366 A61K31/4745 A61K31/65
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A61K31/765 A61K35/00 A61K35/78 A61K9/20 A61K9/28 A61P1/02
A61P1/04 A61P13/12 A61P29/00 A61P3/06 A61P3/08 A61P31/04
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A61P9/10 A61P9/12 C0737/83 C0745/14 C07D311/32 C07D311/62
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C07H17/06 C07H17/065 C07H17/07 C08G4/00 C08K11/00
C1201/00 C1201/68 G01N33/50

International (IPC 1-7): A23G1/00 A61K31/35 A61K31/352
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C1201/00 C1201/68 G01N33/50

CPC: C12Q1/00 C12Q1/02 G01N33/50 G01N33/52 C07H15/24

A61K9/2018 A61K9/2068 A61K9/4858 A61K31/353 A61K31/7048
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C11B5/0035 A61K31/35

European: A23G1/32 A23G3/36 A23K1/16E A23K1/18N A61K31/353
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A61K9/20H8 A61K9/48H4 C07D311/32 C07D311/62 C07D311/64
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G01N33/50 G01N33/52

US: 424/452 424/465 424/49 424/58 424/725 424/776 424/776P
424/78.38 424/78.380P 426/241 426/466 426/542 426/631 514/27
514/27P 514/27S 514/456 514/456S 514/457 514/900 514/901
514/902 536/8 536/8P 536/8S 549/200 549/399 549/400 549/403
549/403S 549/405 549/405S 549/406 549/406S 549/407 549/415

FIG. 1

XANTHINE ALKALOIDS

Publication number	Publication date	Application number	Application date
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AU200183649 A1	20020808	AU20010083649	20011026
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AU2005203665 AA	20050908	AU20050203665	20050816
AU2005203665 BB	20080626	AU20050203665	20050816
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US6747059 BA	20040608	US19990459171	19991210
US6900241 BB	20050531	US20040770969	20040506
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US7868042 BB	20110111	US20060476402	20060628
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US8377424 BB	20130219	US20040004677	20041203
WO0141775 A2	20010614	WO2000US33531	20001210
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WO9736497 A2	19971009	WO1997US05693	19970402
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Priority:

US19960631661	19960402	WO1995PO604497	19960402	WO1996US04497	19960402
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JP19970535612	19970402	JP19970535612T	19970402	US19970831245	19970402
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US20070977496	20071025	US20070977683	20071025	US20070978127	20071026

Probable Assignee: ZORAN CORP

Assignee(s): (std): HAMMERSTONE JOHN F JR ; MARS INC ; ROMANCZYK LEO J JR ; SCHMITZ HAROLD H ; POST LAURIE S ; MCCLELLAND CRAIG A ; MUNDT JEFF A ; ROMANCZYK LEO J ; BUCK MARGARET M ; CIPOLLA GIOVANNI G ; ROMANCZYK JR LEO J

Assignee(s): HAMMERSTONE JOHN F ; ZORAN CORP ; MARS INC 6885 ELM STREET MCLEAN VA 22101 UNITED STATES UNITED ; MARS INKORPOREJTED

Inventor(s): (std): BUCK MARGARET M JR ; MARGARET M BUCK ; LEO J ROMANCZYK JR ; MM BUCK ; JOHN F HAMMERSTONE JR ; JEFF A MUNDT ; LEO J ROMANCZYK ; CRAIG A MCCLELLAND ; GIOVANNI G CIPOLLA ; J F HAMMERSTONE JR ; LAURIE S POST ; JF HAMMERSTONE JR ; M M BUCK ; ROMANCZYK LEO J JR ; HAROLD H SCHMITZ ; L J ROMANCZYK JR ; HAMMERSTONE JOHN FJR ; LJ ROMANCZYK JR ; MAKKLELLAND KREJG A ; BUK MARGARET M ; ROMANZHNIK LEO DZH ML ; MUNDT DZHEFF A ; KHAMMERSTOUN DZHON F ML ; POST LAURI S ; CHIPOLLA DZHOVANNI G ; SHMITTS GAROL D KH ; ROMANCZYK JR LEO J ; BUCK M M ; HAMMERSTONE J F JR ; ROMANCZYK L J JR ; HAMMERSTONE JOHN F JR ; SCHMITZ HAROLD H ; ROMANCZYK LEO J JR ; GEYER HANS M ; HAMMERSTONE JR JOHN F ; SCHMITZ HARLOD H ; MYERS MARY E ; WHITACRE ERIC J ; SNYDER RODNEY M ; GEYET HANS M ; KEALEY KIRK S ; ROMANCZYK LEO J ; HAMMERSTONE JOHN F ; BUCK MARGARET M ; POST LAURIE S ; CIPOLLA GIOVANNI G ; MCCLELLAND CRAIG A ; MUNDT JEFF A ; ROMANCZYK JR LEO J ; CIPPOLLA GIOVANNI G

Inventor(s): ROMANCZYK ; JR LEO J ; SHMITTS GAROL'D KH. ; GIOVANNI G CIPPOLLA ; SCHMITZ HARLOD ; SCHMITZ HAROLD ; ROMANCZYK LEO

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; PIASETZKI AND NENNIGER LLP; PIASETZKI NENNIGER KVAS LLP; KEEN CELIA MARY; CHINA PATENT AGENT HK LTD 22 F GREAT EAGLE CENTRE 23 HARBOUR ROAD WANCHAI; NADA JAIN PC; JAIN PC NADA; NADA; NAJA; NATH GOLDBERG AND MEYER; LAKSHMI; SHELDON 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 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

45) Family number: 43522603 (US2009183640A)

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Title: BEVERAGE MACHINE AND PIERCING MEMBER FOR AN OPENING DEVICE OF A BEVERAGE MACHINE

Abstract: A beverage machine comprising a device designed for brewing a beverage on the basis of ingredients contained in a capsule, the beverage device comprising means for retaining the capsule in a defined position, first opening means for opening a hot water inlet into the capsule while the capsule is retained in the defined position, second opening means for opening a beverage outlet from the capsule while the capsule is retained in the defined position, is characterized in that the first opening means comprises at least one opening which is directed downwards to the lowermost part of the capsule while the capsule is retained in the defined position.

Classifications:

International (IPC 8-9): A47J A47J31/00 A47J31/02 A47J31/24

A47J31/36 A47J31/40 A47J31/44 A47J31/46

B65B29/02 (Advanced/Invention);

A47J31/00 A47J31/02 A47J31/24 A47J31/40

A47J31/44 (Core/Invention);

A47J31/00 (Core/Non-invention);

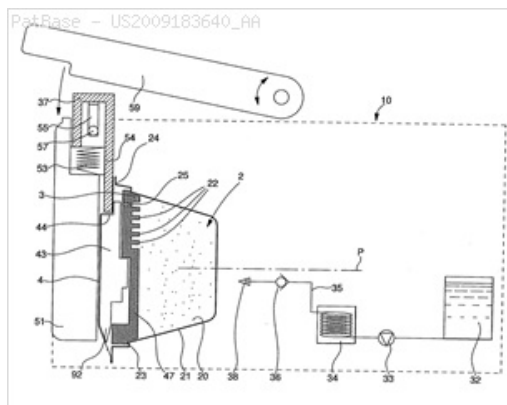
A47J (Subclass/Invention)

International (IPC 1-7): F16L101/00

CPC: A47J31/3695 A47J31/40 A47J31/44

European: A47J31/36B4D2

US: 426/433 426/435 426/77 426/80 99/295 99/295P 99/302.00R 99/302R



Family:

Publication number	Publication date	Application number	Application date
AT476123 E	20100815	AT20080150414T	20080118
AU2009200128 AA	20090806	AU20090200128	20090113
AU2009200128 BB	20150122	AU20090200128	20090113
BRPI0900081 A2	20090922	BR2009PI00081	20090119
CA2649954 AA	20090718	CA20092649954	20090115
CA2649954 C	20160112	CA20092649954	20090115
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DE602008002045 D1	20100916	DE200860002045T	20080118
DK2080454 T3	20101122	DK20080150414T	20080118
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EP2080454 B1	20100804	EP20080150414	20080118
ES2347998 T3	20101126	ES20080150414T	20080118
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HK1135294 A1	20100604	HK20090111831	20091216
HK1135294 B	20110318	HK20090111831	20091216
IN00056DE2009 A	20090807	IN2009DE00056	20090113
JP2009165833 A2	20090730	JP20090005921	20090114
JP5527979 B2	20140625	JP20090005921	20090114
KR101545349 B1	20150818	KR20090003791	20090116
KR20090079832 A	20090722	KR20090003791	20090116
NZ574150 A	20090925	NZ20090574150	20090113
PT2080454 T	20100827	PT20080150414T	20080118
RU2009101345 A	20100727	RU20090101345	20090116
RU2474378 C2	20130210	RU20090101345	20090116
SG154403 A1	20090828	SG20090002114	20090113
TW201002253 A	20100116	TW20090101817	20090117
TWI482606 B	20150501	TW20090101817	20090117
US2009183640 AA	20090723	US20090356275	20090120
US8252351 BB	20120828	US20090356275	20090120
ZA200900389 A	20100929	ZA20090000389	20090116

Priority:

EP20080150414 20080118

Probable Assignee: NESTEC SA

Assignee(s): (std): NESTEC S A ; NESTEC SA ; NESTEK S A ; NESTEK SA ; OZANNE MATTHIEU

Assignee(s): DES PRODUITS NESTLE SA SOC

Inventor(s): (std): OZANNE MATTHIEU ; OZANN MAT E ; MATTHIEU OZANNE

Inventor(s): OZANN MAT'E

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; RAVENEL THIERRY GERARD LOUIS; ZHONGZI IP; K AND L GATES 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

46) Family number: 28677605 (US6079449A)

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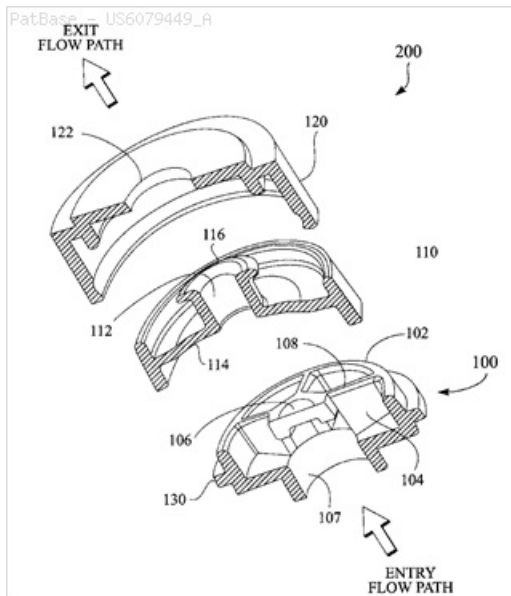
Title: SYSTEM FOR DELIVERING AND MAINTAINING THE STERILITY AND INTEGRITY OF FLOWABLE MATERIALS

Abstract: A system is provided for contamination free delivery and control of a flowable medium contained in an enclosed flow path or a container. The system is highly scalable in size and works even with viscous fluids which are difficult to flow. The device enables a flowable material to be formulated without anti-oxidants, preservatives or anti microbial agents. This provides the advantage of an enhanced therapeutic effect for many medications, especially those which are considered labile. The device also preserves the integrity and sterility of a flowable material contained in an enclosed flow path such as blood plasma, and is effective against microbial as well as viral challenges. The device can be used to maintain the carbonation of a carbonated flowable medium. The system provides a seat and reversibly deformable seal disposed in the flow path; wherein the seal and seat are moveable between a closed and open state upon the deformation of the seal. In the closed state, the sealing surface between the seal and seat entraps one or more layers of the flowable material which forms a bonding action between the seal and seat to prevent entry of external matter into the flow path while at the same time forming a barrier against the back flow migration of contaminating matter.

Classifications:

International (IPC 8-9): B65D35/02 B65D35/24 B65D47/00
B65D47/04 B65D47/20 B65D83/00 B67D1/14 F16K15/14 F16K24/04

F16K25/00 F16L55/00 (Advanced/Invention);
B65D35/02 B65D35/24 B65D47/04 B65D47/20 B65D83/00
F16K25/00 F16L55/00 (Advanced/Non-invention);
B65D35/02 B65D35/24 B65D47/04 B65D83/00 B67D1/00 F16K15/14
F16K24/00 F16K25/00 F16L55/00 (Core/Invention)
International (IPC 1-7): B65D35/02 B65D35/24 B65D47/04
B65D47/20 B65D5/72 B65D83/00 B67D1/14 F16K15/14 F16K24/04
F16K25/00 F16L55/00
CPC: Y10T137/7842 Y10T137/7882 Y10T137/7895 B65D47/2081
F16K15/145
European: B65D47/20E4B F16K15/14H2
US: 137/512.3 137/846 137/859 222/494 222/546 604/247



Family:

Publication number	Publication date	Application number	Application date
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AT309145 E	20051115	AT20000902828T	20000201
AU200024568 A1	20000818	AU20000024568	20000201
AU200024568 A5	20000818	AU20000024568D	20000201
AU2001225412 AA	20010903	AU20010225412	20010117
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CA2361234 AA	20010801	CA20002361234	20000201
CL2001000414 A1	20011120	CL20010000414	20010222
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EP1150897 B9	20060809	EP20000902828	20000201
EP1409362 A1	20040421	EP20010900578	20010117
IL144634 A0	20020523	IL20000144634	20000201
JP2000226050 A2	20000815	JP20000022609	20000131
JP2002535215 T2	20021022	JP20000595905T	20000201
KR20010108161 A	20011207	KR20017009671	20000201
MXPA01007736 A1	20030212	MX2001PA07736	20000201
RU2001121730 A	20040327	RU20010121730	20000201
TW557280 B	20031011	TW20010104093	20010222
US6079449 A	20000627	US19990241178	19990201
US6202901 BA	20010320	US20000511694	20000223
WO0044640 A1	20000803	WO2000IB00173	20000201
WO0162618 A1	20010830	WO2001IB00038	20010117
ZA200106096 A	20020227	ZA20010006096	20010725

Priority:

US19990241178 19990201 WO2000IB00173 20000201 US20000511694 20000223
WO2001IB00038 20010117

Probable Assignee: WATERFALL CO INC

Assignee(s): (std): WATERFALL COMPANY INC ; WATERFALL CO ; WATERFALL CO INC ; ELI LILLY AND CO

Assignee(s): GERBER BERNARD R ; COMPREHENSIVE FINANCIAL MANAGEMENT REPRESENTATIVE OF SECURED LENDERS AS ; SOULE MICHELLE CARE OF COMPREHENSIVE FINANCIAL MANAGEMENT ; WEISS LEW CARE OF COMPREHENSIVE FINANCIAL MANAGEMENT ; LONG BILL ; MARQUES VIC AND CONNIE ; WEISS LEW ; MARQUES VIC ; MARQUES CONNIE ; SOULE MICHELLE ; WEISS LEW CARE OF COMPREHENSIVE FINANCIAL MANAGEME ; SOULE MICHELLE CARE OF COMPREHENSIVE FINANCIAL MAN ; ANGELS FORUM ; BAYSIDE DEVELOPMENT CARE OF COMPREHENSIVE FINANCIA ; BAYSIDE DEVELOPMENT CARE OF COMPREHENSIVE FINANCIAL MANAGEMENT CORP ; BAYSIDE DEVELOPMENT CORP ; BUCHANAN JUDY KOCH ; COMPREHENSIVE FINANCIAL MANAGEMENT ; KOCH MARSHAL ; KOCH STEWART ; JONES GARY ; HALPERN STEVE ; DITMORE BOB ; DUNNING JOHN ; HEPLER DOUG ; COMPREHENSIVE FINANCIAL MANAGEMENT AS REPRESENTATI ; COMPREHENSIVE FINANCIAL MANAGEMENT REPRESENTATIVE

Inventor(s): (std): GERBER BERNARD R ; DEB JYOTIRMAY ; GERBER R

Inventor(s): BERNARD R GERBER ; JYOTIRMAY DEB ; GERBER BERNARD ; DEB JYOTIRMAY GERBER BERNARD

Agent(s): GRIFFITH HACK; OGILVY RENAULT LLP SENCRL SRL; ALESSANDRI

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

Title: BEVERAGE MACHINE WITH A COVER FOR AN INGREDIENT INLET

Abstract: A machine (1) for preparing a beverage from at least one ingredient (2) comprises: an ingredient processing module (3); an ingredient passage (4) having an ingredient mouth (41) for inserting along an insertion direction (42) an ingredient from outside such machine (1) into the ingredient processing module; and a cover (5) pivotable between a position covering the ingredient passage and a position uncovering the ingredient passage, The cover (5) is pivotable about a pivoting axis (51) that is generally parallel to the insertion direction (42) and/or that is generally perpendicular to the mouth (41) of the passage (4).

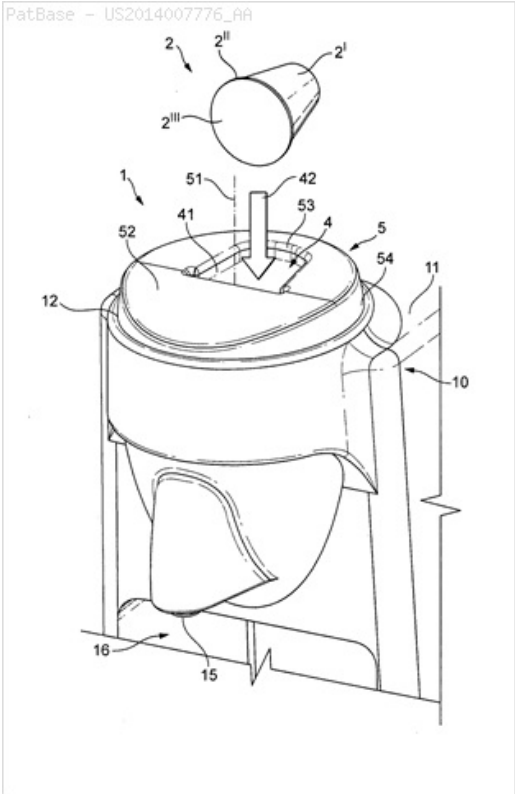
Classifications:

International (IPC 8-9): A47J A47J31/36 A47J31/40 A47J31/44 A47J31/60 (Advanced/Invention); A47J (Subclass/Invention)

CPC: A47J31/407 A47J31/3633 A47J31/369

European: A47J31/36A4D A47J31/36B4D

US: 99/289R



Family:

Publication number	Publication date	Application number	Application date
AU2012230335 AA	20120927	AU20120230335	20120322
BR112013024051 A2	20161213	BR20131124051	20120322
CA2829239 AA	20130906	CA20122829239	20120322
CN103476305 A	20131225	CN201280016854	20120322
CN103476305 B	20161221	CN201280016854	20120322
DE602012051483 D1	20181025	DE201260051483T	20120322
EP2688449 A1	20140129	EP20120711819	20120322
EP2688449 B1	20180926	EP20120711819	20120322
IN07675DN2013 A	20150102	IN2013DN07675	20130830
JP2014509537 T2	20140421	JP20140500381T	20120322
RU2013147192 A	20150427	RU20130147192	20120322
US2014007776 AA	20140109	US20120006902	20120322
WO12126971 A1	20120927	WO2012EP55047	20120322
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Priority:

EP20110159301 20110323 EP20120711819 20120322 WO2012EP55047 20120322

Probable Assignee: NESTEC SA

Assignee(s): (std): AGON FABIEN LUDOVIC ; MOERI PETER ; MORI PETER ; NESTEC SA ; NESTEK SA

Assignee(s): NESTEC S A ; DES PRODUITS NESTLE SA SOC

Inventor(s): (std): MOERI PETER ; AGON FABIEN LUDOVIC ; MORI PETER

Inventor(s): FABIEN LUDOVIC AGON ; PETER MOERI

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; SCHNYDER FRANK SIMON; SCHNYDER FRANK

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

48) Family number: 62414614 (US2016270429A)

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Title: PROCESSES FOR CREATING A CONSUMABLE LIQUID FOOD OR BEVERAGE PRODUCT FROM FROZEN CONTENTS

Abstract: Techniques are provided for creating a consumable liquid food or beverage product from frozen contents. A container is configured for insertion into an apparatus. The container includes a frozen content, a receptacle defining an opening and a cavity for receiving and storing the frozen content, and a closure formed over the opening of the receptacle for sealing the frozen content within the cavity of the receptacle. The receptacle is perforable, and the container is configured for insertion into an apparatus that is configured to create a consumable liquid beverage from the frozen content within the

container, such that the frozen content is extracted through a perforation created in the receptacle by the apparatus.

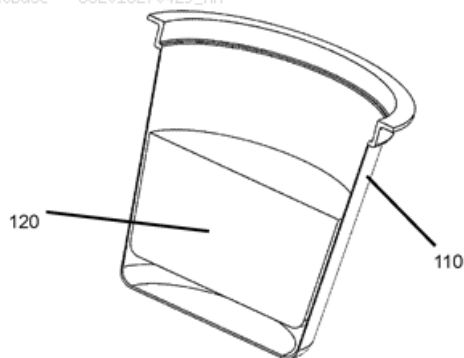
Classifications:

International (IPC 8-9): A23F A23F3/00 A23F3/16 A23F5/00 A23F5/24 A23F5/36 A23G9/04 A23L2/00 A23L2/38 A23L2/385 A23L2/42 A23L2/54 A23L3/36 A47J31/00 A47J31/06 A47J31/36 A47J31/40 A47J31/44 A47J31/46 A47J43/04 A47J47/02 B65D B65D85/72 B65D85/804 B65D85/816 B67D1/08 (Advanced/Invention); A47J43/042 (Advanced/Non-invention)

CPC: A23F5/36 B65D85/72 B65D85/816 A47J31/44 A23L2/38 A23L2/56 A23L2/42 A23L3/36 A23F5/243 A23V2002/00 A23L2/54 B65D85/8043 A47J31/407 A47J31/3623 A47J47/02 A23G9/045 A23G9/28 A23F3/163 A23L2/385 A47J31/0615 A47J31/0673 A47J31/3695 A47J31/4403 A47J31/441 A47J31/4492 A47J31/462 A47J43/042

US: 1/1 426/115 426/232 426/234 426/394 99/280 99/323.3

PatBase - US2016270429_AA



Family:

Publication number	Publication date	Application number	Application date
AU2016235493 AA	20171005	AU20160235493	20160318
AU2017250188 AA	20181101	AU20170250188	20170412
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HK1247530 A1	20180928	HK20180107130	20180531
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US2017055557 AA	20170302	US20160351911	20161115
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US9468230 BB	20161018	US20160093037	20160407
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Priority:

US20150136072P	20150320	US20150801540	20150716	US20160275506P	20160106
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WO2017US48932	20170828				

Probable Assignee: MELTZ INC

Assignee(s): (std): MELTZ LLC

Assignee(s): ROBERTS MATTHEW ; WINKLER KARL ; ROBERTS MATTHEW P ; HOON DOUGLAS M ; KALENIAN PAUL ; MELTZ INC

Inventor(s): (std): MATTHEW P ROBERTS ; ROBERTS MATTHEW P ; WINKLER KARL ; ROBERTS MATTHEW ; PAUL

KALENIAN ; MATTHEW ROBERTS ; KARL WINKLER ; KALENIAN PAUL ; HOON DOUGLAS M ; HOON DOUGLAS ; DOUGLAS M HOON

Agent(s):

DAVIES COLLISON CAVE PTY LTD; MBM INTELLECTUAL PROPERTY LAW LLP; HGF LTD; HIROE AND ASSOCIATES PATENT PROFESSIONAL CORP; DESHIMARU TAKESHI; MATSUSHITA MITSURU; KURASAWA ICHIRO; WILMER CUTLER PICKERING HALE AND DORR LLP; WILMER CUTLER PICKERING HALE AND DORR LLP; HOBGOOD JOHN V 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 JO JP KE KG KH KM KN KP KR KW 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

49) Family number: 53203615 (US2014255564A)

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Title: CAPSULE FOR PREPARING A BEVERAGE

Abstract: The capsule comprises a cup-shaped body closed on the upper side by a lid. The main feature of the present invention consists in the fact that the capsule presents in its inside a plurality of infusion chambers each provided with a respective area for the inlet of a water flow and each provided with a respective area for the outlet of the infusion.

Classifications:

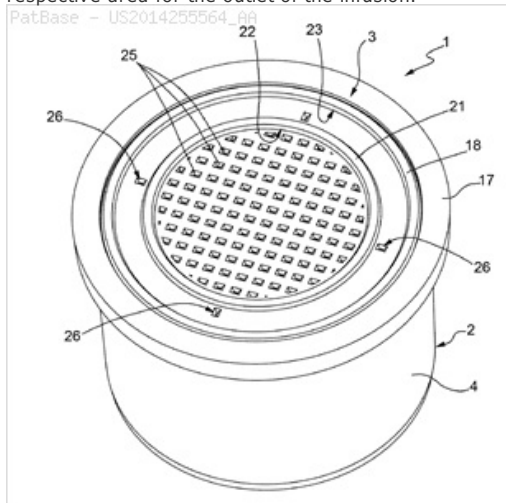
International (IPC 8-9): A47J31/06 A47J31/40 B65D81/32

B65D85/804 (Advanced/Invention);

B65D81/00 B65D85/00 (Core/Invention)

CPC: B65D81/3227 B65D85/8043 B65D85/804

US: 426/115



Family:

Publication number	Publication date	Application number	Application date
AU2012310113 AA	20130321	AU20120310113	20120914
AU2012310113 BB	20150326	AU20120310113	20120914
BR112014005877 A2	20170328	BR20141105877	20120914
CA2847100 AA	20140227	CA20122847100	20120914
CN103998354 A	20140820	CN201280044186	20120914
CN103998354 B	20160106	CN201280044186	20120914
DE602012012235 D1	20151217	DE201260012235T	20120914
DK2748087 T3	20160215	DK20120794476T	20120914
EP2748087 A1	20140702	EP20120794476	20120914
EP2748087 B1	20151104	EP20120794476	20120914
ES2561304 T3	20160225	ES20120794476T	20120914
HR20160115 T1	20160408	HR20160000115	20160203
HU026679 T2	20160628	HU20120794476T	20120914
IN02764CN2014 A	20150703	IN2014CN02764	20140411
ITBO20110523 A1	20130315	IT2011BO00523	20110914
JP2014531235 T2	20141127	JP20140530367T	20120914
JP6078545 B2	20170208	JP20140530367T	20120914
MX2014002870 A1	20140507	MX20140002870	20120914
PT2748087 T	20160304	PT20120794476T	20120914
RS54581 B1	20160831	RS20160000063	20120914
RU2014114266 A	20151027	RU20140114266	20120914
RU2605183 C2	20161220	RU20140114266	20120914
SI2748087 T1	20160429	SI20120030449T	20120914
TR201601231 T4	20160222	TR20160001231T	20120914
US2014255564 AA	20140911	US20120344304	20120914
WO13038382 A1	20130321	WO20121B54821	20120914

Priority:

IT2011BO00523 20110914 EP20120794476 20120914 WO20121B54821 20120914

Probable Assignee: MACCHIAVELLI SRL

Assignee(s): (std): MACCHIAVELLI S R L ; MACCHIAVELLI SRL ; MAKKIAVELLI S R L ; RONDELLI RAFFAELE

Assignee(s): MAKKIAVELLI SRL

Inventor(s): (std): RONDELLI RAFFAELE ; RONDELL RAFFAELE ; RAFFAELE RONDELLI

Agent(s): GOLJA HAINES AND FRIEND; GOWLING LAFLEUR HENDERSON LLP; MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB; BOGGIO LUIGI; CARVAJAL Y ISABEL; OHNUKI SHINSUKE; ITOH TADAHIKO; ITOH TADASHIGE; ERKAN SEVINC; JORIO PAOLO 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

50) Family number: 46156648 (US2011271841A)

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Title: INJECTION ASSEMBLY AND MACHINE FOR PREPARING A DRINK PROVIDED WITH THIS INJECTION ASSEMBLY

Abstract: Injection assembly (6) for the preparation of a drink from consumable ingredients and a liquid, comprising a frame (50) in which the following are mounted: -an injection chamber (100), intended to accommodate a portion of ingredients, having a lower part (7) and an upper part (52, 101), at least one of said lower (7) and upper (52, 101) parts being mounted so as to move; and-a cam (51) and a cam follower (52) which are mounted so as to move rotationally and translationally respectively, these cooperating via inclined surfaces (61, 62) in order to close said injection chamber (100). According to the invention, the upper part (52, 101) is mounted so as to move translationally inside said frame (50) and in that said cam (51) and said cam follower (52) are movably joined to said upper part (101) so as to be able to open and close said injection chamber (100).

Classifications:

International (IPC 8-9): A23L1/00 A47J A47J31/36 A47J31/44

A47J43/14 B67D1/07 B67D1/08 (Advanced/Invention);

A47J31/36 A47J31/44 (Advanced/Non-invention);

A47J31/24 A47J31/46 A47J43/00 (Core/Invention);

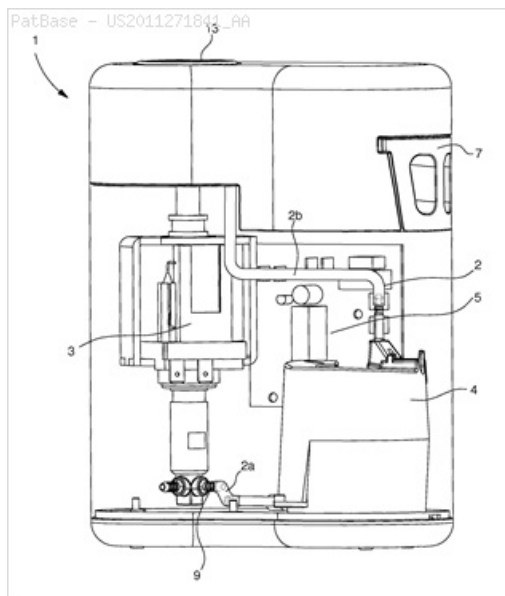
A47J (Subclass/Invention)

International (IPC 1-7): A47J 31/46

CPC: A47J31/3685

European: A47J31/36B4B2

US: 99/275 99/275P



Family:

Publication number	Publication date	Application number	Application date
AU2010205713 AA	20100722	AU20100205713	20100108
BRP11006142 A2	20160223	BR2010PI06142	20100108
CA2747843 AA	20100722	CA20102747843	20100108
CN102281802 A	20111214	CN201080004468	20100108
CN102281802 B	20140108	CN201080004468	20100108
DE602010005270 D1	20130502	DE201060005270T	20100108
DK2387339 T3	20130603	DK20100700727T	20100108
EP2387339 A1	20111123	EP20100700727	20100108
EP2387339 B1	20130306	EP20100700727	20100108
ES2408221 T3	20130619	ES20100700727T	20100108
HK1162280 A1	20130719	HK20120103021	20120327
HK1162280 A1	20120831	HK20120103021	20120327
HK1162280 B	20130719	HK20120103021	20120327
HR20130248 T1	20130430	HR20130000248	20130321
IL213513 A0	20110731	IL20100213513	20100108
IL213513 A1	20140831	IL20100213513	20100108
IN05398DN2011 A	20120928	IN2011DN05398	20110713
JP2012515006 T2	20120705	JP20110544863T	20100108
JP5607648 B2	20141015	JP20110544863T	20100108
KR20110104559 A	20110922	KR20117018773	20100108
MK4858 T1	20140430	MK20130000079T	20130311
MX2011007512 A1	20110804	MX20110007512	20100108
MY154690 A	20150715	MY20110002740	20100108
NZ593662 A	20130927	NZ20100593662	20100108
PT2387339 T	20130328	PT20100700727T	20100108
RU2011134038 A	20130220	RU20110134038	20100108
RU2520928 C2	20140627	RU20110134038	20100108
SG172134 A1	20110728	SG20110043239	20100108
SI2387339 T1	20130430	SI20100030159T	20100108
TH109221 A	20110713	TH20101000041	20100111
US2011271841 AA	20111110	US20100144206	20100108
WO10081762 A1	20100722	WO2010EP50115	20100108

Priority:

EP20090150463 20090113

WO2010EP50115 20090113

EP20100700727 20100108

WO2010EP50115 20100108

Probable Assignee: NESTEC SA

Assignee(s): (std): NESTEC SA ; NESTEK S A ; NESTEK SA ; PLEISCH HANSPETER ; TALON CHRISTIAN ; DENISART JEAN

LUC ; MEIER ALAIN

Assignee(s): NESTEC S A

Inventor(s): (std): DENISART JEAN LUC ; PLEISCH HANSPETER ; MEIER ALAIN ; TALON CHRISTIAN ; PLJAJSH GANSPETER ; TALON KRISTIAN ; MEIER ALEHN ; DENIZAR ZHAN LJUK ; PLEISCH HANS PETER ; ALAIN MEIER ; HANSPETER PLEISCH ; JEAN LUC DENISART ; CHRISTIAN TALON

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; ISERN JORGE; ZHONGZI IP; DR YITZHAK HESS AND PARTNERS; BORNE PATRICE

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

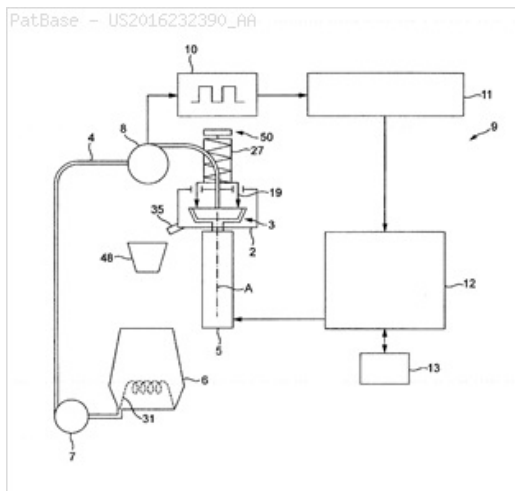
51) Family number: 58842658 (US2016232390A)

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Title: SUPPORT AND CAPSULE FOR PREPARING A BEVERAGE BY CENTRIFUGATION, SYSTEM AND METHOD FOR PREPARING A BEVERAGE BY CENTRIFUGATION

Abstract: The invention relates to a code support to be associated with or part of a capsule intended for delivering a beverage in a beverage producing device by centrifugation of the capsule. The support comprises a code formed by at least a first sequence of symbols. The code is represented on the support so that each symbol is sequentially readable by a reading arrangement of an external reading device while the capsule is driven in rotation along an axis of rotation. The first sequence comprises at least one first data sequence formed by at least two sub-sequences of symbols. Each one of said at least two sub-sequences further comprises at least one error-checking symbol for allowing a validity check of the symbols of said sub-sequence.

Classifications:
International (ipc 8-9): A47J A47J31/06 A47J31/22 A47J31/44
 B65D85/804 G06F17/00 G06K19/06 G06K7/10
 G06K7/14 (Advanced/Invention);
 G06K19/06 (Advanced/Non-invention);
 A47J31/44 (Core/Invention);
 A47J G06K (Subclass/Invention)
CPC: A47J31/22 G06K7/10861 B65D85/8043 G06K7/10613
 A47J31/4492 G06K19/06028 G06K19/06046 G06K19/06075
 G06K19/06168 G06K2019/06253 A47J31/44
US: 235/462.32



Family:

Publication number	Publication date	Application number	Application date
AU2014326688 AA	20160211	AU20140326688	20140929
AU2014326688 AA	20150402	AU20140326688	20140929
AU2014326688 BB	20181220	AU20140326688	20140929
BR112016006300 A2	20170801	BR20161106300	20140929
CA2919747 AA	20160128	CA20142919747	20140929
CN105592761 A	20160518	CN201480053718	20140929
DE602014004416 D1	20161208	DE201460004416T	20140219
DK2853182 T3	20161212	DK20140155808T	20140219
EP2853182 A1	20150401	EP20140155808	20140219
EP2853182 B1	20161026	EP20140155808	20140219
ES2611463 T3	20170509	ES20140155808T	20140219
HU030518 T2	20170529	HU20140155808T	20140219
ID201709374 A	20170825	ID2016P0002096	20140929
IL243720 A0	20160421	IL20140243720	20140929
IL243720 A1	20180830	IL20140243720	20140929
IN201617002946 A	20160812	IN201617002946	20160127
JP2016538093 T2	20161208	JP20160544765T	20140929
JP6438485 B2	20181212	JP20160544765T	20140929
KR20160064120 A	20160607	KR20167008824	20140929
MX2016001885 A1	20160524	MX20160001885	20140929
PH2016500324 A	20160516	PH20160500324	20160218
PL2853182 T3	20170531	PL20140155808T	20140219
PT2853182 T	20170201	PT20140155808T	20140219
RU2016117231 A	20171113	RU20160117231	20140929
RU2016117231 A3	20180618	RU20160117231	20140929
RU2670545 C2	20181023	RU20160117231	20140929
SG11201600732U A1	20160428	SG20161100732	20140929
TH166390 A	20170824	TH20161001774	20140929
TR201700878 T4	20170221	TR20170000878T	20140219
US2016232390 AA	20160811	US20140022111	20140929
US9811704 BB	20171107	US20140022111	20140929
WO15044400 A1	20150402	WO2014EP70724	20140929

Priority:

EP20130186568 20130930
RU20160117231 20140929

EP20140155808 20140219

WO2014EP70724 20140929

Probable Assignee: NESTEC SA

Assignee(s): (std): NESTEC SA ; NESTEK SA ; NESTEK S A

Assignee(s): DES PRODUITS NESTLE SA SOC ; KAESER STEFAN ; NESTEC S A

Inventor(s): (std): KEZER SHTEFAN ; STEFAN KAESER ; KAESER STEFAN

Agent(s): SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MOODIE SIMON JAMES; SACROUG OLIVIER;
ISERN JORGE; IR Y T WIDJOJO; DR YITZHAK HESS AND PARTNERS; SOYUZPATENT OOO; PINAR
ARIKAN; DUNLAP CODDING PC; MOODIE SIMON

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
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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

52) Family number: 50963696 (US2013112576A)

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Title: CONTAINER AND DEVICE COMPRISING SUCH A CONTAINER

Abstract: A container with a cover wall, provided with at least one cover wall region which can be pierced to form a supply opening for supplying a liquid, a bottom wall, provided with at least one bottom wall region which can be pierced to form a discharge opening, at least one first chamber, in which a basic product is present, and a second chamber, in which an adjustment element is arranged that can be displaced from a position of rest to a puncturing position opening the piercable bottom wall region. The adjustment element is provided with at least one through-channel with an inlet opening and with an outlet opening opposite the piercable bottom wall region. The adjustment element is provided with a mixing chamber for mixing the liquid and the basic product. The mixing chamber is in fluid communication with the first chamber in the puncturing position of the adjustment element.

Classifications:

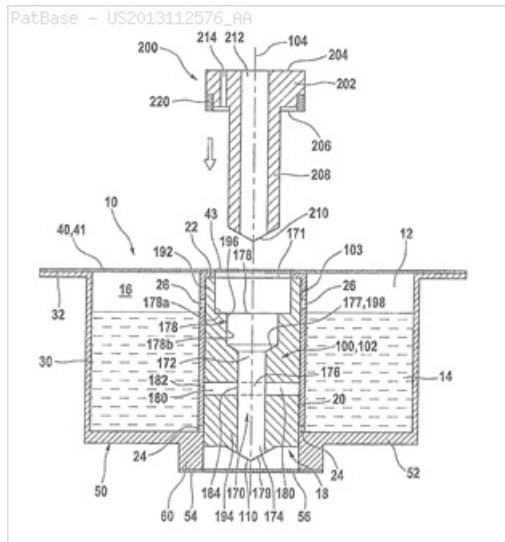
International (IPC 8-9): B65D81/32 C01B3/34 C01B31/18
C01B32/40 C07C29/16 C12M1/04 C12M3/02 C12P1/00 C12P7/02
C12P7/04 C12P7/06 C12P7/08 C12P7/18
C12P7/54 (Advanced/Invention);

C01B31/18 C07C31/04 (Advanced/Non-invention)

CPC: C12M21/04 C12M43/00 Y02E50/17 C12P7/065 C12P7/54
B65D81/32 C12P7/08 C12P7/18 C07C29/1518 Y02E50/343

European: C12M21/04 C12M43/00

US: 206/222 435/140 435/158 435/163 435/289.1 435/294.1



Family:

Publication number	Publication date	Application number	Application date
AU2011316899 AA	20120426	AU20110316899	20111021
AU2011316899 BB	20140717	AU20110316899	20111021
CA2789333 AA	20120808	CA20112789333	20111021
CA2789333 C	20140225	CA20112789333	20111021
CA2836686 AA	20120426	CA20112836686	20111021
CA2836686 C	20151117	CA20112836686	20111021
CN103270164 A	20130828	CN201180062304	20111021
CN103270164 B	20160629	CN201180062304	20111021
EA024224 B1	20160831	EA20130090593	20111021
EA201390593 A1	20131030	EA20130090593	20111021
MY159783 A	20170131	MY20130700840	20111021
TW201231669 A	20120801	TW20110138366	20111021
TWI576434 B	20170401	TW20110138366	20111021
US2013112576 AA	20130509	US20110695833	20111021
US2013316411 AA	20131128	US20110882688	20111021
WO12054806 A2	20120426	WO2011US57220	20111021
WO12054806 A3	20120712	WO2011US57220	20111021

Priority:

US20100405904P 20101022 NZ20100589003 20101104 CA20112789333 20111021
CA20112836686 20111021 WO2011US57220 20111021 US20110695833 20111021
US20110882688 20111021 CA20142789333 20140107

Probable Assignee: BRITA GMBH

Assignee(s): (std): LANZATECH NEW ZEALAND LTD ; MERZ ALEXANDRA ; SCHULTZ MICHAEL ; ZOGG DAVID ;
SCHOEDLER CLAUDIO ; SCHULTZ MICHAEL ANTHONY ; BRITA GMBH ; HAGEN THOMAS ; HOTHER
STEFAN

Assignee(s): LANZATECH NEW ZEALAND LIMITED ; VENTURE LENDING AND LEASING VII INC ; VENTURE LENDING
AND LEASING VIII INC

Inventor(s): (std): HAGEN THOMAS ; SCHOEDLER CLAUDIO ; MERZ ALEXANDRA ; ZOGG DAVID ; HOTHER STEFAN ;

Agent(s):

BALDWIN INTELLECTUAL PROPERTY; BERESKIN AND PARR LLP SENCRL SRL; MOLINARO FRANK

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
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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

53) Family number: 54897699 (US2015294215A)

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Title: PORTABLE OBJECT AND INFORMATION TRANSMISSION SYSTEM

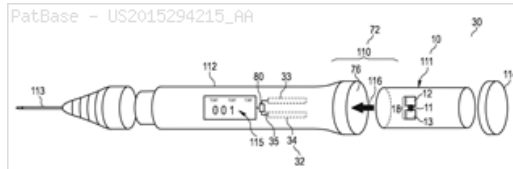
Abstract: A portable object (10) comprises an integrated circuit (11), a first pad (12) that is mechanically and electrically connected to the integrated circuit (11) and a second pad (13) that is mechanically and electrically connected to the integrated circuit (11). The portable object (10) is designed for data transfer by capacitive coupling of the first pad (12) to a first conducting line (33) and of the second pad (13) to a second conducting line (34), when the portable object (10) is brought in vicinity to the first and the second conducting line (33, 34).

Classifications:

International (IPC 8-9): G06F19/00 G06K19/07 G06K19/077
G06K5/00 G06K7/00 G06K7/08 H01Q1/22 H01Q1/24 H01Q1/44
H01Q9/28 (Advanced/Invention)

CPC: G06K7/081 G06K7/0008 G06K7/08 G06K19/0723 G06K19/077
G06K19/07756 H01Q1/2225 H01Q1/44 H01Q9/285 G06K19/07758
G06F19/3462 G06K19/07788

US: 1/1 235/439 235/492

**Family:**

Publication number	Publication date	Application number	Application date
■ CN104221029 A	20141217	CN201380017960	20130319
■ CN104221029 B	20170322	CN201380017960	20130319
■ CN107066805 A	20170818	CN201710075900	20130319
■ DE112013001785 T5	20141231	DE201311001785T	20130319
■ EP2645298 A1	20131002	EP20120162514	20120330
■ US2015294215 AA	20151015	US20130389353	20130319
■ US2016247059 AA	20160825	US20160145753	20160503
■ US9336479 BB	20160510	US20130389353	20130319
■ US9773202 BB	20170926	US20160145753	20160503
■ WO13143923 A1	20131003	WO2013EP55722	20130319

Priority:

EP20120162514 20120330 CN201380017960 20130319 DE201311001785T 20130319
WO2013EP55722 20130319 US20140389353 20140929 US20160145753 20160503

Probable Assignee: AMS AG

Assignee(s): (std): AMS AG ; AUSTRIAMICROSYSTEMS AG

Inventor(s): (std): MANZI GIULIANO ; GIULIANO MANZI

Agent(s): EPPING HERMANN FISCHER; MCDERMOTT WILL AND EMERY LLP; BRAND 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 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

54) Family number: 57488704 (US2014295406A)

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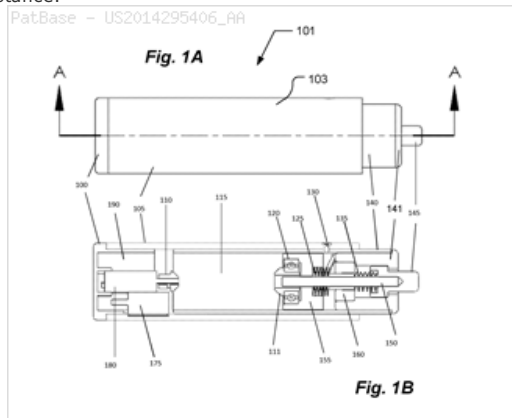
Title: PORTABLE DEVICE FOR DETECTION OF HARMFUL SUBSTANCES

Abstract: A self-contained apparatus and methods for detecting the presence of any specified substance in any medium. A sample of the medium is placed in a capsule, along with a solvent and a sensor configured to test for a target analyte. The solvent comes into contact with the medium in the capsule, and the capsule is agitated to create a dispersion in the solvent of a portion of any target analyte present in the medium. A release mechanism configured to cause conduction of the dispersion to the sensor, so that the sensor produces an indication of presence of the target analyte if the target analyte is present in the medium. The apparatus uses a disposable capsule where the medium in question is placed and the disposable capsule is placed inside a reader and analyzed for presence of the harmful substance.

Classifications:

International (IPC 8-9): A61J1/06 B01L3/00 C12Q1/68 G01N1/28
G01N15/06 G01N21/00 G01N21/17 G01N21/75 G01N21/94
G01N30/00 G01N33/00 G01N33/02 G01N33/50 G01N33/52
G01N33/53 G01N33/543 G01N33/58 G06T7/00
G06T7/90 (Advanced/Invention);
G01N1/28 G01N21/77 G01N21/78 G01N21/81 (Advanced/Non-
invention)

CPC: G01N21/17 G01N2021/1765 G06T7/001 G06T7/90
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G06T2207/30128 G01N2001/2866 B01L3/502 B01L2300/046
B01L2300/0663 B01L2400/0475 B01L2400/0478 B01L2400/0677
G01N21/78 G01N21/81 G01N2021/7786 G01N33/02 G01N33/54366
US: 422/401 422/403 422/417 435/287.2 435/288.7 435/34 435/5
436/164 436/501

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Publication number	Publication date	Application number	Application date
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CN106415262 A	20170215	CN201480079288	20140926
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US2017003285 AA	20170105	US20160265171	20160914
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US2017124690 AA	20170504	US20160280410	20160929
US2018188239 AA	20180705	US20180910233	20180302
US2018188240 AA	20180705	US20180910692	20180302
US2019204305 AA	20190704	US20190278388	20190218
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US9939432 BB	20180410	US20140498298	20140926
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Probable Assignee: NIMA LABS INC

Assignee(s): (std): 6SENSORLABS INC ; NIMA LABS INC

Assignee(s): NIMA LABS INC SAN FRANCISCO

Inventor(s): (std): WILSON STEPHEN ; WALLHEAD IAN ; LOURENCO FRANCISCO DIAS ; ZHANG JINGQING ; ARTIUCH JOHN ; WEITMANN DANE ; HORRELL JOSEPH ; SUNDVOR SCOTT ; KIEL JONATHAN WILLIAM ; MOONEY JACOB ; WALTON JOHN ; MEKLER JEFFREY ; TALEGHANI SHIREEN ; PORTELA STEVEN ; WARD JONATHAN ; YATES SHIREEN

Inventor(s): SUNDVOR SCOTT SAN FRANCISCO ; WALTON JOHN SAN FRANCISCO ; KIEL JONATHAN WILLIAM SAN FRANCISCO ; MEKLER JEFFREY SAN FRANCISCO ; TALEGHANI SHIREEN SAN FRANCISCO ; MOONEY JACOB SAN FRANCISCO ; PORTELA STEVEN SAN FRANCISCO ; WARD JONATHAN SAN FRANCISCO ; YATES SHIREEN SAN FRANCISCO

Agent(s): KOPLIN PATENTANWALTSGESELLSCHAFT MBH; STANNERS DAVID RALPH; MORRIS JONATHAN PAUL; HIGGS JONATHAN; JEFFREY; SCHOX JEFFREY; LIN DIANA; PETUCHOWSKI SAMUEL J ET AL; SCHOX JEFFREY 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 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

55) Family number: 61544714 (US2017196249A)

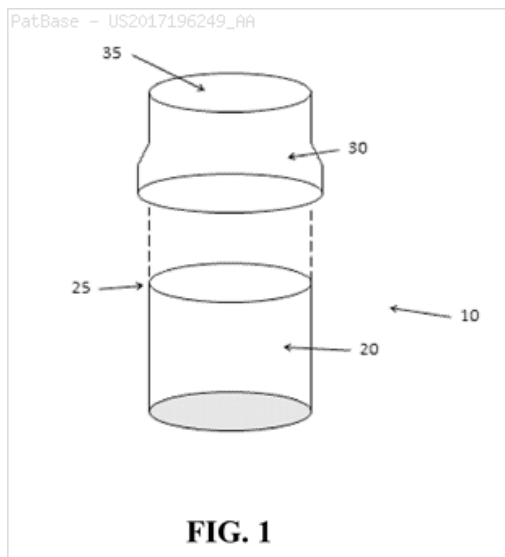
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Title: NUTRITIONAL POWDER PODS COMPRISING DRY BLENDED CARBOHYDRATES

Abstract: A nutritional powder pod suitable for use in a beverage production machine and methods of manufacturing and using the same are provided. The nutritional powder pod includes a pod containing a nutritional powder. The nutritional powder includes a carbohydrate and may include a protein, a fat, or both a protein and a fat. At least about 5 wt percent of the carbohydrate in the nutritional powder is dry blended into the final nutritional powder.

Classifications:

International (IPC 8-9): A23C A23C9/16 A23C9/18 A23L1/00 A23L1/29 A23L2/39 A23L33/00 A23L33/10 A23L33/115 A23L33/125 A23L33/17 A23L33/175 A23L33/185 A23L33/19 A23L5/00 A23P A23P1/12 A23P10/20 A23P10/25 A23P10/40 A23P30/20 A47J A47J31/40 B01F B01F3/08 B65B1/04 B65B29/02 B65D85/804 (Advanced/Invention); A23C9/18 A23L1/00 A23L1/0076 A23P1/02 A23P1/06 A23P1/12 B01F3/08 (Advanced/Non-invention)
CPC: A23P10/25 A23L33/10 A23P30/20 A23P10/20 B65D85/8046 A23P10/40 A23V2002/00 B65D85/8043 B65B29/02 B65B1/04 A23L2/39 A23L33/40 A47J31/407



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■ US2017196249 AA	20170713	US20150327934	20150721
■ US2017203914 AA	20170720	US20150328248	20150721
■ US2017210554 AA	20170727	US20150328209	20150721
■ US2017224000 AA	20170810	US20150327950	20150721
■ WO16014497 A1	20160128	WO2015US41289	20150721
■ WO16014500 A1	20160128	WO2015US41292	20150721
■ WO16014503 A1	20160128	WO2015US41296	20150721
■ WO16014555 A1	20160128	WO2015US41366	20150721

Priority:

US20140026809P 20140721	US20140026885P 20140721	US20140027048P 20140721
US20140026928P 20140721	US20150327934 20150721	US20150327950 20150721
WO2015US41296 20150721	WO2015US41366 20150721	WO2015US41292 20150721
WO2015US41289 20150721	US20150328248 20150721	US20150328209 20150721

Probable Assignee: ABBOTT LABORATORIES

Assignee(s): (std): ABBOTT LAB

Assignee(s): ABBOTT LABORATORIES

Inventor(s): (std): HEO YOUNGSUK ; WESTFALL PETER ; RANGAVAJLA NAGENDRA ; ENGLE MARK ; LAPLANTE TIMOTHY ; KATZ GARY ; LAMB CATHERINE ; BLACK CYNTHIA ; WEIDA SANDRA

Agent(s): BOULT WADE TENNANT; WILKINSON AND GRIST; ENGLE MARK R 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

56) Family number: 30959735 (US6412668B)

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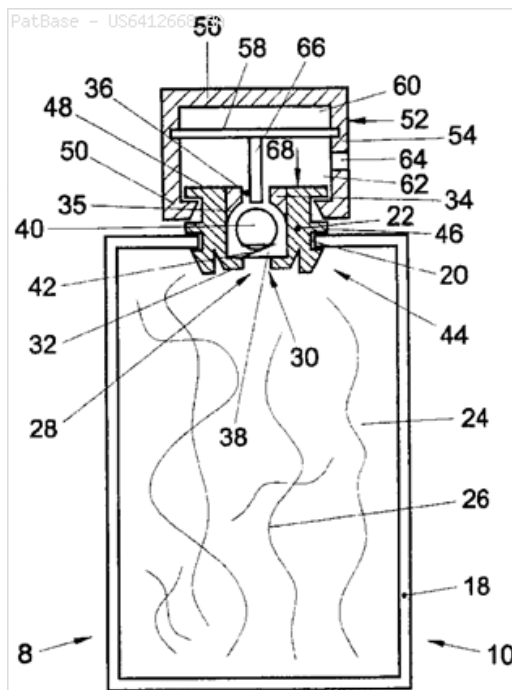
Title: Container with pressure control device for dispensing fluid

Abstract: Container with pressure control device for maintaining a substantially constant, preset pressure in the container, said container being arranged for dispensing a fluid, the pressure control device comprising a first chamber for containing a pressure fluid, a second chamber in which a control pressure prevails and a third chamber which is formed by or communicates with, or is at least partially accommodated in an inner space of the container, while between the first chamber and the third chamber there is provided a passage opening accommodating a closing member for closing, during normal use, the passage opening when the pressure in the third chamber is lower than the control pressure, a control means being movable by a displaceable or deformable part of the wall of the second chamber and arranged for displacing the closing member at least partially when the pressure in the third chamber is lower than the control pressure, to enable pressure fluid to flow under pressure from the first chamber to the third chamber, at least the control member and/or the second chamber being at least partially removable from the first chamber and biasing means being provided for keeping the closing member in the closed position when at least the control member and/or the second chamber are at least partially removed.

Classifications:

International (IPC 8-9): B65D B65D83/14 B65D83/26 B65D83/34 B65D83/36 B65D83/44 B65D83/54 B65D83/66 B65D83/70 B65D85/72 B65D85/73 B67D B67D1/04 B67D1/07

B67D1/12 (Advanced/Invention);
 B65D83/34 B65D83/36 (Advanced/Non-invention);
 B65D83/00 B65D83/14 B65D83/16 B65D83/34 B65D83/36
 B65D83/44 B65D83/60 B65D85/72 B67D1/00
 B67D1/04 (Core/Invention)
International (IPC 1-7): B65D 83/14 B65D83/00 B65D83/14
 B65D83/26 B65D83/34 B65D83/36 B65D83/54 B65D83/70
 B65D85/72 B67D1/04 B67D1/07 B67D1/12
CPC: B67D1/0418 B65D7/045 B65D83/663 B67D1/0412 B67D1/0443
European: B65D7/04B B65D83/66C B67D1/04B B67D1/04B2
 B67D1/04B8
US: 222/394 222/396 222/399 222/402.1 222/575 239/346 239/373



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BG105609 A	20020131	BG20010105609	20010615
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CA2355267 C	20080729	CA19992355267	19991214
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CO5070690 A1	20010828	CO19990078818	19991216
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Priority:

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Probable Assignee: HEINEKEN TECHNICAL SERVICES BV

Assignee(s): (std): KLAUW GUIDO PETRUS JOHANNES V ; SCHMALBACH LUBECA ; HEINEKEN TECHNICAL SERVICES BV ; HEINEKEN TECH SERVICES ; VLOOSWIJK JOHANNES JACOBUS THO

Assignee(s): VLOOSWIJK JOHANNES JACOBUS THOMAS ; SCHMALBACH LUBECA AG 40880 RATINGEN DE ; VAN DER KLAUW GUIDO PETRUS JOHANNES ; HEINEKEN TECHNICAL SEOBISI RATIO V ; HEINEKEN TECHNICAL SERVICES 2E WETERINGPLANTSOEN 21 NL 1017 ZD BV ; HEINEKEN TECHNICAL SERVICES B ; HEINEKEN TECHNICAL SERVICES B V AMSTERDAM ; KEINEKEN TECHNICAL SERVICES B V ; HEINEKEN TECHNICAL SERVICES B V AMSZTERDAM ; KLAUW GUIDO PETRUS JOHANNES VAN D ; KEINEKEN TECHNICAL SERVICES BV ; NON V CLOSE TO HEINEKEN TECHNICAL SERVICE SYSTEM ; SCHMALBACH LUBECA 40880 RATINGEN DE AG

Inventor(s): (std): KLAUW JOHANNES VAN D ; VLOOSWIJK JOHANNES J ; VAN DER KLAUW GUIDO P ; VLOOSWIJK JOHANNES ; VAN DER KLAUW GUIDO ; JAHANNES JACOBUS THOMAS VLOOSWIJK ; KLAUW GUIDO P VAN D ; KLAUW GUIDO PETRUS JO VAN D ; KLAUW VAN DER GUIDO PETRUS JOHANNES ; DER KLAUW GUIDO PETRUS J VAN ; TH VLOOSWIJK JOHANNES JACOBUS ; KLAUW VAN D GUIDO PETRUS JOHANNES ; JOHANNES DER KLAUW GUIDO PETRUS VAN ; KLAUW G P J VAN D ; KLAUW GUIDO PETRUS JOHANNES V ; VLOOSWIJK JOHANNES JACOBUS THO ; KLAUW GUIDO PETRUS JOHANNES VAN D ; GUIDO PETRUS ; VLOOSWIJK JOHANNES JACOBUS THOMAS ; JOHANNES VAN D KLAUW ; GUIDO PETRUS JOHANNES VAN D KLAUW ; VLOOSWIJK JOHANNES JACOBUS THOMAS ; JOHANNES JACOBUS THOMAS VLOOSWIJK ; VLOOSWIJK ; VLOOSWIJK JOHANNES JACOBUS THO ; KLAUW GUIDO VAN D ; KLAUW G P L VAN D

Inventor(s): GPL VAN D KLAUW ; KLAUW PETRUS VAN D ; GUIDO PETRUS JOHANNES VAN DER KLAUW ; J J T VLOSSWYK ; J J T VLOSWIJK ; G P J VAN DER KLAUW ; KLAUW GUIDO PETRUS J VAN D ; VLOOSWIJK JACOBUS ; VAN DER KLAUW PETRUS ; JOHANNES VAN DER KLAUW ; VAN DER KLAUW GUIDO PETRUS JOHANNE ; JOHANNES JACOBUS ; GUIDO PETRUS JOHANNES VANDER KLAUW ; JTT VLOSSWYK ; GPJ VAN D KLAUW ; JTT VLOSWIJK ; VAN DER KLAUW GUIDO PETRUS J ; VLOOSWIJK JOHANNES JACOBUS TH ; G P J ANDER KLAUW ; J J T VLOOSWIJK ; G P L VAN DER KLAUW ; GPJ ANDER KLAUW ; JTT VLOOSWIJK ; JOHANNES ; KLAUW GUIDO PETRUS JOHANNES VAN DER ; JOHANNES VAN DER KLAUW GUIDO PETRUS ; THOMAS VLOOSWIJK JOHANNES JACOBUS

Agent(s): SHELSTON IP PTY LTD; SHELSTON IP; FETHERSTONHAUGH AND CO; ERNESTO CAVELIER; CHINA PATENT AGENT HK LTD 22 F GREAT EAGLE CENTRE 23 HARBOUR ROAD WANCHAI; EITAN PEARL LATZER AND COHEN ZEDEK; NAGAI HIROSHI

Designated states: 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 ZW

57) Family number: 52723736 (US2014130680A)

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Title: BREWING UNIT WITH A CAPSULE HANDLING MECHANISM

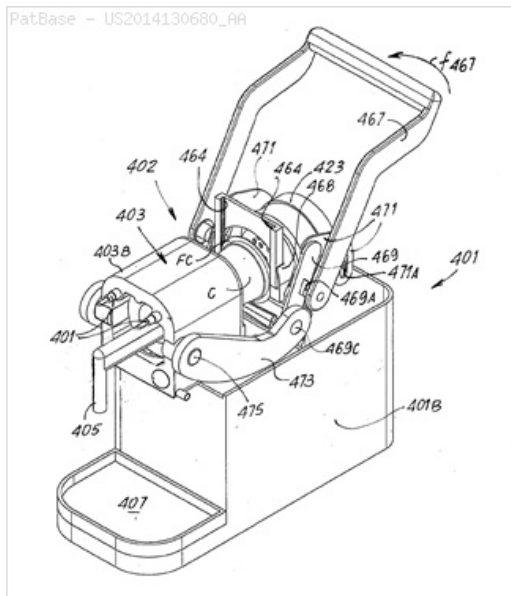
Abstract: The brewing unit comprises a brewing chamber comprising at least two brewing chamber portions (421, 423) movable one with respect to the other, and a capsule guide for guiding a capsule (C) from a capsule insertion aperture (460) to a brewing position. The capsule guide comprises a pair of capsule guiding channels (464), configured and arranged for slidably engaging a flange (Fc) of the capsule (C) and a respective capsule retention member (466) arranged at the lower end of each capsule guiding channel (464) for retaining the capsule in the brewing position before closing the brewing chamber and for disengaging the capsule (C) when the brewing chamber portions (421, 423) are moved apart after completion of a brewing cycle. Both brewing chamber portions (421, 423) are movable with respect to the capsule guide from an open position, for receiving a capsule there between, to a closed brewing position, and vice-versa. A control member (469, 470) is provided, configured and arranged for spacing apart the capsule retention members (466) upon completion of a brewing cycle, so that a spent capsule (C) is released from the guiding channels (464) when the brewing chamber portions are moved towards the open position.

Classifications:

International (IPC 8-9): A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/46 A47J31/54 A47J31/60 (Advanced/Invention); A47J31/54 A47J31/60 (Advanced/Non-invention)

CPC: A47J31/407 A47J31/46 A47J31/3633 A47J31/3638 A47J31/3676 A47J31/542 A47J31/60

US: 99/295 99/300

**Family:**

Publication number	Publication date	Application number	Application date
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EP2729043 A2	20140514	EP20120735052	20120704
IN00376CN2014 A	20150403	IN2014CN00376	20140116
IN00377CN2014 A	20160624	IN2014CN00377	20140116
JP2014518127 T2	20140728	JP20140518047T	20120704
JP2014522685 T2	20140908	JP20140518046T	20120704
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JP6047157 B2	20161221	JP20140518047T	20120704
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RU2597536 C2	20160910	RU20140104376	20120704
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US2014150666 AA	20140605	US20120131437	20120704
US9560930 BB	20170207	US20120131437	20120704
WO13008137 A1	20130117	WO20121B53398	20120704
WO13008140 A2	20130117	WO20121B53402	20120704
WO13008140 A3	20130411	WO20121B53402	20120704

Priority:

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EP20120735052	20120704	US20120131438	20120704	US20120131437	20120704
WO20121B53398	20120704	WO20121B53402	20120704		

Probable Assignee: PHILIPS ELECTRONICS KONINKLL NV**Assignee(s):** (std): BALDO MASSIMO ; FIN GIUSEPPE ; KONINKL PHILIPS ELECTRONICS NV ; KONINKL PHILIPS NV ; SANTINI MARCO ; PHILIPS KONINKLL NV ; KONINKLEJKE FILIPS N V ; KONINKLEJKE FILIPS NV**Assignee(s):** PHILIPS N V KONINKLL ; KONINKLIJKE PHILIPS ELECTRONICS N V ; KONINKLIJKE PHILIPS ELECTRONICS N.V. ; PHILIPS ELECTRONICS KONINKLL NV**Inventor(s):** (std): BALDO MASSIMO ; SANTINI MARCO ; FIN GIUSEPPE ; MARCO SANTINI ; MASSIMO BALDO ; GIUSEPPE FIN ; SANTINI MARKO ; FIN DZHUZEPPE**Agent(s):** DAMEN DANIEL MARTIJN; COOPS PETER; OHNUKI SHINSUKE; ITOH TADAHICO; ITOH TADASHIGE; COOPS PETER 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**58) Family number: 48843753** (US2007144356A)

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Title: PACKAGE ASSEMBLY FOR FORMING BEVERAGE PODS

Abstract: A compact and lightweight personal pod making system is provided. The pod making system has a base for receiving a pod packaging material and a sealing tool pivotably connected to the base. The system can be used at home, in the office and even outdoors. A pod package assembly that can be used in conjunction with the personal pod making system is also provided. The pod package assembly can include a cup-like holder that is hingedly connected to a cover so that it is relatively easy for users to align the cover when sealing the pod.

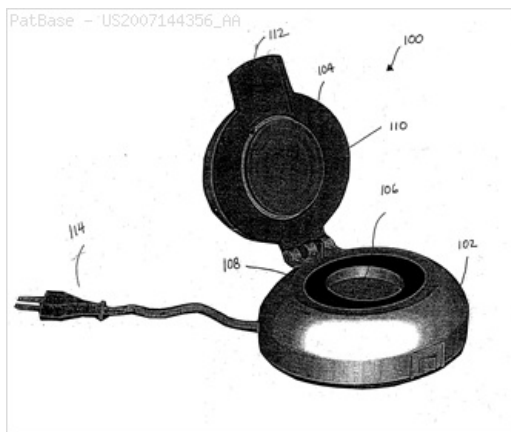
Classifications:

International (IPC 8-9): A01K43/00 A23F5/26 A23G1/10 A47G19/16 A47J A47J31/00 A47J31/02 A47J31/04 A47J31/047 A47J31/057 A47J31/06 A47J31/08 A47J31/10 A47J31/36 A47J31/40 A47J31/42 A47J31/44 A47J31/46 B30B1/00 B31B1/74 B65B29/02 B65B67/02 B65D3/02 B65D81/34 B65D85/804 B65D85/808 (Advanced/Invention); B65B29/02 B65D85/00 (Advanced/Non-invention); A47G19/00 A47J31/06 B65B29/00 B65D81/34 B65D85/804 (Core/Invention); B65D85/00 (Core/Non-invention); A47J (Subclass/Invention)

CPC: A47J31/4482 B65D85/804 A47J31/057 A47J31/4407 A47J31/407 B65D85/8043 A23F5/26 A23F5/262 A47J31/06 A47J31/061 A47J31/0631 A47J31/0663 A47J31/3623 A47J31/3628 A47J31/3671 B65D2203/10 A47J31/4403 A47J31/047 B65B29/025 A47J31/085 B65D85/8046 A47J31/0668 A47J31/0678 A47J31/0689 A47J31/3676 A47J31/3695 A47J31/4492 A47J31/08 A47J31/44 A47J31/0642 A47J31/0684 A47J31/4425 A47J31/446 A47J31/0647 Y02W30/807 B65D2565/385 A47J31/02 A47J31/404 B65B29/022 B65B67/02

European: A47J31/057 A47J31/06M A47J31/06P4 A47J31/06P6 A47J31/08 A47J31/08B A47J31/44 A47J31/44A1 A47J31/44A4 B65B29/02 B65B67/02 B65D85/804B1

US: 1/1 100/211 100/227 100/228 100/265 100/268 206/0.5 229/404 426/431 426/433 426/77 426/82 493/84 53/467 99/111 99/112 99/113 99/115 99/119 99/281 99/281P 99/285 99/286 99/287 99/287P 99/288 99/288S 99/289R 99/290 99/295 99/295S 99/300 99/302P 99/316 99/320 R 99/320R 99/323 99/394 99/77 99/84



Family:

Publication number	Publication date	Application number	Application date
CA2677859 AA	20071108	CA20072677859	20070316
CA2677859 C	20150901	CA20072677859	20070316
CA2779263 AA	20110505	CA20102779263	20101030
CA2779263 C	20160510	CA20102779263	20101030
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EP2493357 A4	20130619	EP20100827590	20101030
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Priority:

US20050594972P	20050523	US20060392893	20060328	US20060392972	20060328
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US20160005226	20160125	US20160046757	20160218	US20160058011	20160301
US20170790398	20171023	US20170847889	20171219	US20170855776	20171227

Probable Assignee: RIVERA ADRIAN

Assignee(s): (std): ADRIAN RIVERA ; ARM ENTPR ; RIVERA ADRIAN ; ARM ENTPR INC ; GREEN KENNETH L

Assignee(s): RIVERA ADRIAN WHITTIER ; RIVERA ADRIAN IRVINE ; ADRIAN RIVERA MAYNEZ ENTERPRISES INC ; ARM ENTERPRISES ; ARM ENTERPRISES INC

Inventor(s): (std): GREEN KENNETH L ; ADRIAN RIVERA ; RIVERA ADRIAN

Inventor(s): RIVERA ADRIAN IRVINE ; RIVERA ADRIAN WHITTIER

Agent(s): BORDEN LADNER GERVAIS LLP; PUCHBERGER BERGER AND PARTNER; WITTMANN HERNANDEZ PATENTANWALTE PARTNERSCHAFT MBB; PUCHBERGER PETER ET AL; PUCHBERGER PETER; NORDIC PATENT SERVICE A S; KNOBBE MARTENS OLSON AND BEAR LLP; KENNETH L; IP STRATEGIES; AVERILL AND GREEN; GREEN KENNETH

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

59) Family number: 34603755 (US2005150390A)

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Title: CARTRIDGE CONTAINING ONE SERVING OF COFFEE POWDER FOR PREPARING A COFFEE BEVERAGE

Abstract: Disclosed is a cartridge containing one serving of coffee powder for preparing a coffee beverage. The bottom of the cartridge is provided with a passage covered by a gas-tight foil. The foil is manually removed before the cartridge is inserted into the coffee machine. Between the passage and the coffee powder, a filter element is disposed, preventing coffee powder to escape from the cartridge. The passage shall prevent a hydraulic pressure build-up in the cartridge, which would lead to the formation of froth.

Classifications:

International (ipc 8-9): A47J A47J31/00 A47J31/06 A47J31/40 A47J31/44 B65D81/00 B65D81/34 B65D85/804 B65D85/816 F24C7/02 (Advanced/Invention);

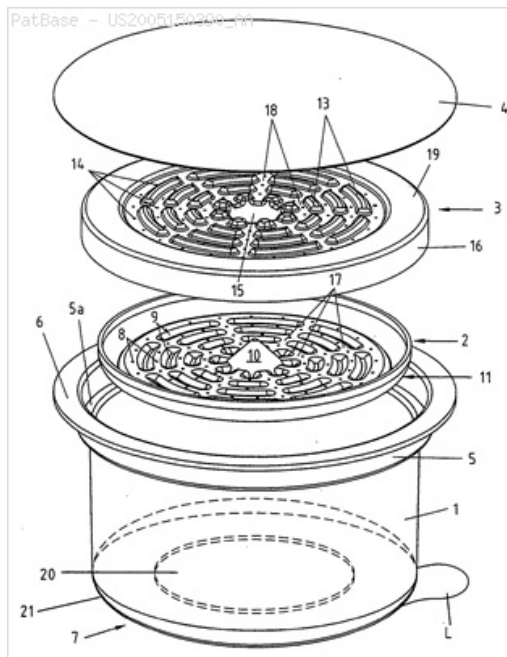
A47J31/06 F24C7/02 (Advanced/Non-invention); A23F3/00 A23F5/00 A47J31/00 A47J31/06 A47J31/40 A47J31/44 B65D81/00 B65D81/34 B65D85/804 F24C7/02 (Core/Invention); A47J (Subclass/Invention)

International (ipc 1-7): A23F3/00 A47J A47J31/00 A47J31/02 A47J31/06 A47J31/18 A47J31/24 A47J31/40 A47J31/44 B65D81/34 B65D85/804 B65D85/808 F24C7/02

CPC: B65D85/8043

European: B65D85/804B

US: 426/115 426/433 426/77 99/295 99/295P 99/323



Family:

Publication number	Publication date	Application number	Application date
AR047418 AA	20060118	AR2005P100122	20050114
AT358642 E	20070415	AT20050000601T	20050113
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Priority:

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CA20052492304	20050113	DE200520021160U	20050113	US20050034504	20050113
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AU20100227121	20101013				

Probable Assignee: CAFFITALY SYSTEM SPA

Assignee(s): (std): CAFFITA SYSTEM SPA ; CAFFITALY SYSTEM SPA ; SCHIFFERLE RENE ; RENE SCHIFFERLE ; SHIFFERLE RENE ; SCHMED ARTHUR ; CAFITTA SYSTEM SPA ; CAFFITA SYSTEM S P A ; KAFITA SYSTEM CO LTD ; VENTURI ROBERTO DEGLI ESPOSTI

Assignee(s): CAFFITALY SYSTEMS SPA ; CAFFITA SYSTEM SOCIETA UNIPERSONALE SPA ; KAFITA SYSTEM CO

Inventor(s): (std): RENE SCHIFFERLE ; SHIFFERLE RENE ; SCHIFFERLE RENE ; ARTHUR SCHMED ; VENTURI ROBERTO DEGLI ESPOSTI ; SCHMED ARTHUR

Agent(s): PATENT ATTORNEY SERVICES; CASSAN MACLEAN; BERENDT U KOLLEGEN; PONCHIROLI SIMONE; DE ELZABURU ALBERTO; CHINA PATENT AGENT HK LTD; SUGIMURA KOSAKU; MAGINOT MOORE AND BECK, BANK ONE CENTER/TOWER; MAGINOT MOORE AND BECK BANK ONE CENTER TOWER; MAGINOT MOORE AND BECK LLP CHASE TOWER; MAGINOT MOORE AND BECK LLP; PEARNE AND GORDON 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 NL PL PT RO SE SI SK TR YU

60) Family number: 61544763 (US2017210551A)

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Title: POD WITH SPRAY NOZZLE AND METHOD OF USE

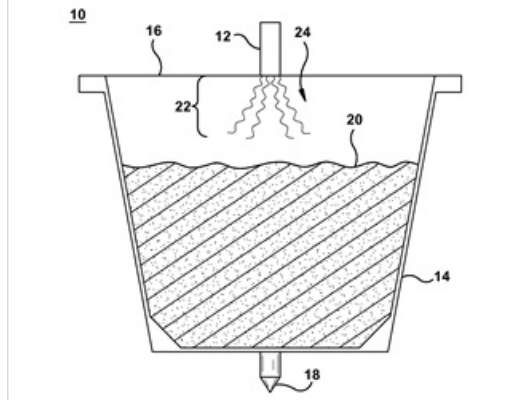
Abstract: A pod (10) for preparation of a nutritional liquid composition. The pod (10) includes a nutritional liquid concentrate (20) and at least one nozzle (12) or diffuser for fluid introduction to the nutritional liquid concentrate (20). The nutritional liquid concentrate (20) is hermetically sealed within the pod (10). The nozzle (12) is arranged to diffuse a flow of fluid in the pod (10) prior to contact with the nutritional liquid concentrate (20).

Classifications:

International (IPC 8-9): A47J A47J31/40 B65D B65D77/22

B65D85/804 (Advanced/Invention)

CPC: B65D77/22 B65D85/8043

**Family:**

Publication number	Publication date	Application number	Application date
■ CN106660699 A	20170510	CN201580037747	20150721
■ DE602015012785 D1	20180726	DE201560012785T	20150721
■ EP3172149 A1	20170531	EP20150745694	20150721
■ EP3172149 B1	20180627	EP20150745694	20150721
■ ES2683872 T3	20180928	ES20150745694T	20150721
■ HK1237318 A1	20180413	HK20170111190	20171101
■ US2017210551 AA	20170727	US20150328256	20150721
■ WO16014573 A1	20160128	WO2015US41387	20150721

Priority:

US20140026982P 20140721 EP20150745694 20150721 WO2015US41387 20150721
 US20150328256 20150721

Probable Assignee: ABBOTT LABORATORIES**Assignee(s):** (std): ABBOTT LAB**Assignee(s):** ABBOTT LABORATORIES ; ABBOTT LABORATORIES ABBOTT PARK**Inventor(s):** (std): MCBROOM JEREMY ; LAMB CATHERINE ; THARMAPURAM SRIRAM**Agent(s):** STOLMAR AND PARTNER PATENTANWAELTE PARTG MBB; BOULT WADE TENNANT; PONS ANGEL;
WILKINSON AND GRIST; ENGLE MARK R 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

61) Family number: 49469763 (SI1676786T)

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Title: METHOD FOR THE PREPARATION OF BEVERAGES

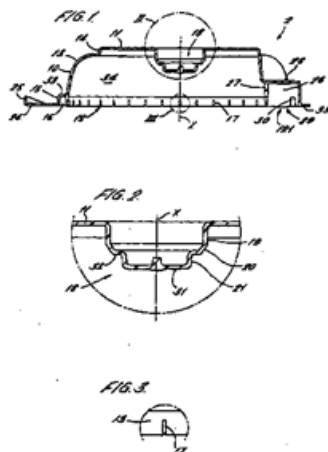
Abstract: Source: DK2058243T [DA] [Source: Claim 1] 1. Fremgangsmåde til dispensering af en drik fra en forseget kapsel, der kan indføres i en indretning under en driftscyklus, hvor kapslen forsegles forud for indførelsen i drikkefremstillingsindretningen og indeholder en eller flere fly- dende chokoladeingredienser og er fremstillet af i det væsentlige luft- og vanduigennemtraengelige materialer, omfattende trin til at lade et vandigt medium passere gennem kapslen for at fremstille en drik ved fortynding af nævnte en eller flere chokoladeingredienser, lade drikken passere gennem midler til skumdannelse af drikken og dispensere drikken i en beholder, hvor den ene eller flere flydende chokoladeingredienser fortyndes i et forhold på mellem 2:1 og 10:1, og hvor niveauet af skumdannelse er større end 70 procent. **Machine translation:** [Source: Claim 1] 1. Procedure for dispensing a beverage made from a sealed capsule that can be imported into a device during an operating cycle, where the capsule must be sealed prior to the introduction of drink manufacturing interior design and contains one or more aircraft-Evant chocolate ingredients and is manufactured by essentially air-and vanduigennemtraengelige materials, comprehensive step to let an aqueous medium pass through the capsule in order to produce a drink by diluting the referred one or more chocolate ingredients, let the drink pass through means of foaming of the drink and dispense the drink in a container where one or several liquid chocolate ingredients are diluted in a relationship between 2:1 and 10:1, and where the level of foaming is greater than 70 percent.

Classifications:**International (IPC 8-9):** B65D81/00

B65D85/804 (Advanced/Invention);

B65D81/00 (Core/Invention)

CPC: B65D85/8043**European:** B65D85/804B

**Family:**

Publication number	Publication date	Application number	Application date
DK2058243 T3	20111205	DK20040001900T	20040123
SI1676786 T1	20110630	SI20040031655T	20040123

Priority:

GB20030001702 20030124 EP20060005233 20040123

Probable Assignee: KRAFT FOODS R AND D INC**Assignee(s):** (std): KRAFT FOODS R AND D INC**Inventor(s):** (std): BALLARD COLIN ; GOMEZ MARIA ; PANESAR SATWINDER ; HALLIDAY ANDREW ; RENDLE GEOFF**62) Family number: 68471768 (US9888337B)**

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Title: WIRELESS CODED COMMUNICATION (WCC) DEVICES WITH POWER HARVESTING POWER SOURCES FOR WIFI COMMUNICATION

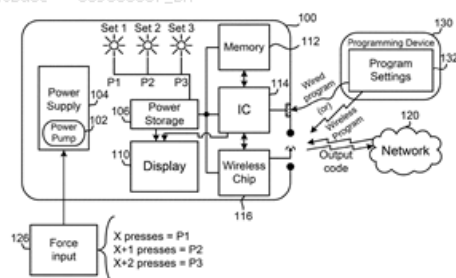
Abstract: Devices, systems, and method are provided for wireless coded communication (WCC) devices, which are configured for wireless communication with other devices, e.g., over a network. A WCC device is a type of internet of things (IOT) device that can sense data, process data, send data, respond to data requests and exchange data with other WCC device, a network device, a user device, and/or systems over the internet. In some configurations, a WCC device may include a power source that enables usage of low power, e.g., to send data that is sensed, request data and/or communicate data wirelessly. WCC devices maybe function as standalone devices or may be integrated into other devices. In some configurations, a WCC device may include power harvesting circuitry, including power harvesting user controls. A WCC device may be pre-configured or coded to report occurrence of an event, log an event, log state, cause an action, send a message or request data from one or more end nodes. In some configurations, the devices enable communication over a wireless network, which enables access to the Internet and further enables cloud processing on data received or processing for data returned or communicated.

Classifications:

International (IPC 8-9): G06Q20/12 G06Q30/06 G07G1/00 H02N11/00 H04B1/38 H04B1/3827 H04B7/00 H04L29/08 H04W4/00 H04W4/80 H04W76/00 H04W76/02 H04W76/14 (Advanced/Invention); H04L29/08 H04W84/12 H04W88/02 H04W88/06 (Advanced/Non-invention)

CPC: H02N11/002 H04L67/12 H04W84/12 H04W88/02 H04W88/06 G07G1/0072 G06Q20/12 G06Q30/0633 H04L67/125 H04W4/50 H04L67/10 H04W4/80 H04W4/70 H04W76/14 G06Q20/327 H04B1/1607 H04B1/3833 Y02D70/00 Y02D70/10 Y02D70/1262 Y02D70/14 Y02D70/142 Y02D70/144 Y02D70/146 Y02D70/162 Y02D70/164 Y02D70/166 Y02D70/20 Y02D70/22 Y02D70/26 Y02D70/40 Y04S40/18 G06Q30/0635

PatBase - US9888337_BA

**Family:**

Publication number	Publication date	Application number	Application date
US9888337 BA	20180206	US20160217975	20160723
US9894471 BA	20180213	US20160217974	20160723
US9911290 BA	20180306	US20160376636	20161212
US10038992 BA	20180731	US20160217973	20160723
US10140820 BA	20181127	US20170859627	20171231
US10142822 BA	20181127	US20160217972	20160723
US10187773 BA	20190122	US20160217977	20160723
US10355730 BA	20190716	US20160217976	20160723

Priority:

US20150197003P 20150725 US20150387403P 20151224 US20160217975 20160723
US20160217974 20160723 US20160217972 20160723 US20160217973 20160723
US20160217977 20160723 US20160376636 20161212 US20170859627 20171231

Probable Assignee:

PENILLA ALBERT S

Assignee(s): (std):

PENILLA ALBERT S ; ZALEWSKI GARY M

Inventor(s): (std):

PENILLA ALBERT S ; ZALEWSKI GARY M

63) Family number: 32810769 (US2008148957A)

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Title: APPARATUS AND METHOD FOR PREPARING AND DELIVERING A BEVERAGE WITH THE USE OF A RAW MATTER CONTAINED IN A CARTRIDGE

Abstract: The present invention provides for at least a dispensing spout to be directly formed in the sealing membrane that closes the bottom of a capsule containing an edible raw material for preparing a beverage, e.g. coffee. In this manner, the beverage is able to directly fall from the capsule into a drinking vessel arranged therebelow. What is claimed are both a machine, characterized by the means that form the spout and the open bottom of the container in which the capsule is loaded, and a method for preparing and dispensing the beverage.

Classifications:

International (IPC 8-9): A47J A47J31/00 A47J31/06 A47J31/10

A47J31/24 A47J31/40 A47J31/44 (Advanced/Invention);

A47J31/40 (Advanced/Non-invention);

A47J31/00 A47J31/06 A47J31/40 (Core/Invention);

A47J (Subclass/Invention)

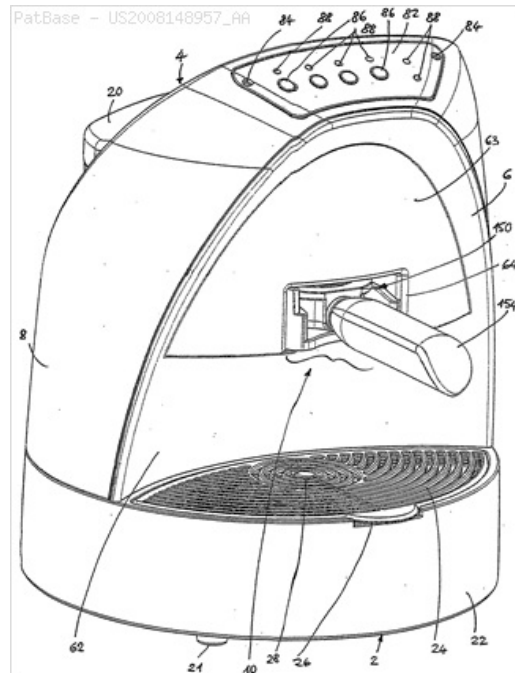
International (IPC 1-7): A47J31/24 A47J31/40

CPC: A47J31/0668 A47J31/369 A47J31/3695

European: A47J31/06P4 A47J31/36B4D A47J31/36B4D2

A47J31/40B A47J31/40H

US: 99/279 99/295 99/302R

**Family:**

Publication number	Publication date	Application number	Application date
AR055270 AA	20070815	AR2005P104161	20050930
AT383802 E	20080215	AT20040791875T	20041001
AU2004323812 AA	20060413	AU20040323812	20041001
AU2004323812 AB	20070419	AU20040323812	20041001
AU2004323812 BB	20091022	AU20040323812	20041001
AU2004323812 BH	20100218	AU20040323812	20041001
BRPI0419121 A	20071211	BR2004PI19121	20041001
BRPI0419121 B1	20150908	BR2004PI19121	20041001
CA2581481 AA	20070323	CA20042581481	20041001
CA2581481 C	20100914	CA20042581481	20041001
CN100488424 C	20090520	CN200480044079	20041001
CN101026979 A	20070829	CN200480044079	20041001
CY1107916 T1	20130904	CY20081100377T	20080407
DE602004011406 D1	20080306	DE200460011406T	20041001
DE602004011406 T2	20090122	DE200460011406T	20041001
DK1796517 T3	20080526	DK20040791875T	20041001
EG24505 A	20090818	EG20070000321T	20070328
EP1796517 A1	20070620	EP20040791875	20041001
EP1796517 B1	20080116	EP20040791875	20041001
ES2299879 T3	20080601	ES20040791875T	20041001
HK1107920 A1	20081031	HK20070110969	20071010
HK1107920 A1	20080425	HK20070110969	20071010
HK1107920 A3	20080425	HK20070110969	20071010
HK1107920 B	20081031	HK20070110969	20071010
HR20080133 T3	20080531	HR20080000133	20080325
IL182306 A0	20070724	IL20070182306	20070329
IL182306 A1	20110831	IL20040182306	20041001
IN01115KN2007 A	20070713	IN2007KN01115	20070330
IN266762 B	20150605	IN2007KN01115	20070330
IS8636 A	20060402	IS20070008636	20070427
IS8636 A	20060402	IS20050008636	20050427
JP2008514337 T2	20080508	JP20070534183T	20041001

JP4575952 B2	20101104	JP20070534183T	20041001
KR100922940 B1	20091022	KR20077008774	20041001
KR20070073789 A	20070710	KR20077008774	20041001
ME00103 B	20101010	ME20080000241	20041001
ME24108 A	20100610	ME20080000241	20041001
MX2007003792 A1	20070711	MX20070003792	20041001
NO20072265 A	20070502	NO20070002265	20070502
NO20072265 L	20070502	NO20070002265	20070502
NO337616 B1	20160509	NO20070002265	20070502
NZ554154 A	20080829	NZ20040554154	20041001
PT1796517 T	20080418	PT20040791875T	20041001
RS20070157 A	20080605	YU20070000157	20041001
RS50413 B	20091231	YU20070000157	20041001
RU2007116094 A	20081120	RU20070116094	20041001
RU2344742 C1	20090127	RU20070116094	20041001
SI1796517 T1	20080630	SI20040030659T	20041001
TH31626 B	20120111	TH20051004574	20050929
TH80373 A	20061012	TH20051004574	20050929
TNSN07096 A1	20080602	TN2007SN00096	20070316
TW200614956 A	20060516	TW20050129486	20050829
TWI292310 B	20080111	TW20050129486	20050829
US2008148957 AA	20080626	US20040663623	20041001
US7806043 BB	20101005	US20040663623	20041001
WO06038227 A1	20060413	WO2004IT00541	20041001

Priority:

EP20040791875 20041001 KR20077008774 20041001 NZ20040554154 20041001
RU20070116094 20041001 WO2004IT00541 20041001 WO2004IT00541 20070418
HR20080000133 20080325

Probable Assignee: HAUSBRANDT TRIESTE 1892 SPA

Assignee(s): (std): HAUSBRANDT TRIESTE 1892 S P A ; HAUSBRANDT TRIESTE 1892 SPA ; ZANETTI MARTINO ;
KHAUSBRANDT TRIESTE 1892 SPA

Assignee(s): HAUSBRANDT TRIESTE 1892 S P A NERVESA DELLA BATTAGLIA ; 1892 IT ; HAUSBRANDT TRIESTE

Inventor(s): (std): ZANETTI MARTINO ; MARTINO ZANETTI

Inventor(s): ZENETTI MARTINO

Agent(s): GRIFFITH HACK; MARKS AND CLERK; AGOSTINI AGOSTINO ET AL; LUZZATTO AND LUZZATTO;
KATTEN MUCHIN ROSENMAN 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

64) Family number: 51110771 (US2012231126A)

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Title: CAPSULE BASED SYSTEM FOR PREPARING AND DISPENSING A BEVERAGE

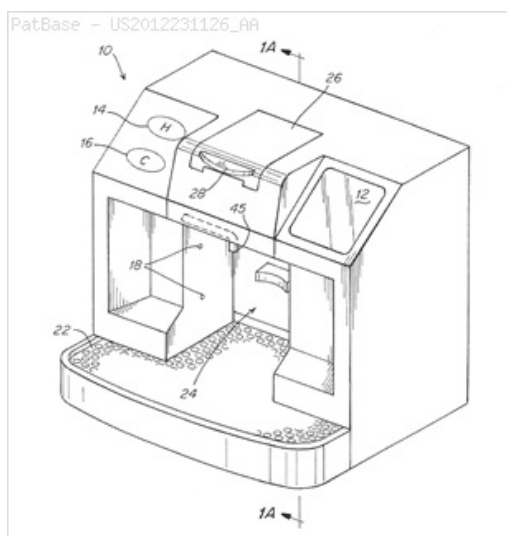
Abstract: The present invention relates to dispensing of a substance from a container by means of a dispensing apparatus. Specifically, the exemplary embodiment of the present invention relates to (1) a container and (2) the automated method for opening such container and (3) the automated method of dispensing of the contents from such container into a customer receptacle or glass.

Classifications:

International (ipc 8-9): A23F3/18 A23F5/24 A23F5/26 A23L2/39
A47J A47J31/00 A47J31/02 A47J31/06 A47J31/14 A47J31/36
A47J31/40 A47J31/41 A47J31/44 B65D79/00 B65D85/72
B65D85/804 G06K7/14 (Advanced/Invention);
A47J31/44 (Advanced/Non-invention);
A47J (Subclass/Invention)
CPC: A47J31/401 A47J31/44 A47J31/4467 B65D85/8046 A23F5/262
A23F3/18 A23V2002/00 A47J31/02 A47J31/40 A47J31/14 B65D79/00
G06K7/1417 B65D85/8043 A47J31/3623 A47J31/4403 A47J31/407
A23L2/39 A47J31/3628 A47J31/3633 A47J31/3695 A47J31/4482
A47J31/4492

European: A47J31/40H

US: 426/112 426/115 426/122 426/383 426/425 426/431 99/280
99/282 99/283 99/285 99/287 99/295



Family:

Publication number	Publication date	Application number	Application date
AU2011326523 AA	20120518	AU20110326523	20111109
AU2011326523 BB	20170223	AU20110326523	20111109
AU2015318628 AA	20170316	AU20150318628	20150618
AU2015343718 AA	20170525	AU20150343718	20150911
AU2019202868 AA	20190516	AU20190202868	20190424

BR112013011180 A2	20160802	BR20131111180	20111109
BR112017004827 A2	20180227	BR20171104827	20150618
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EA201390637 A1	20140530	EA20130090637	20111109
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EP2637532 A1	20130918	EP20110840149	20111109
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EP3193676 A1	20170726	EP20150842661	20150618
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ES2563809 T3	20160316	ES20110840149T	20111109
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HK1188100 B	20180706	HK20140101404	20140214
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IL250840 A0	20170430	IL20150250840	20150618
IN01241KN2013 A	20130913	IN2013KN01241	20130429
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JP2013542815 T2	20131128	JP20130538864T	20111109
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JP2017533758 T2	20171116	JP20170523781T	20150911
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KR20170099839 A	20170901	KR20177010552	20150618
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MX2013005291 A1	20131206	MX20130005291	20111109
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TR201602549 T4	20160321	TR20160002549T	20111109
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US2012231126 AA	20120913	US20110293043	20111109
US2015079240 AA	20150319	US20140491945	20140919
US2015135965 AA	20150521	US20140536142	20141107
US2015144001 AA	20150528	US20140323713	20140703
US2015147448 AA	20150528	US20140323792	20140703
US2016051080 AA	20160225	US20150828067	20150817
US2017202247 AA	20170720	US20160391163	20161227
US2017233178 AA	20170817	US20160357268	20161121
US2018289204 AA	20181011	US20170784507	20171016
US2019133367 AA	20190509	US20180002091	20180607
US9526371 BB	20161227	US20140323792	20140703
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US10118757 BB	20181106	US20160357268	20161121
WO12064885 A1	20120518	WO2011US60050	20111109
WO16043822 A1	20160324	WO2015US36501	20150618
WO16073069 A1	20160512	WO2015US49743	20150911
ZA201702603 A	20190130	ZA20170002603	20170412

Priority:

US20100411786P	20101109	EP20110840149	20111109	CA20112816226	20111109
US20110293043	20111109	WO2011US60050	20111109	US20140323713	20140703
US20140323792	20140703	US20140491945	20140914	US20140491945	20140919
US20140536142	20141107	WO2015US36501	20150617	AU20150318628	20150618
WO2015US36501	20150618	US20150828067	20150817	WO2015US49743	20150911
US20160357268	20161121	US20160391163	20161227	US20170784507	20171016
CA20182816226	20180117	US20180002091	20180607	AU20190202868	20190424

Probable Assignee: LA VIT TECHNOLOGY LLC

Assignee(s): (std): BONNOITT GEORGE KINGMAN ; BONNOITT JR GEORGE KINGMAN ; CROSBY ALAN M ; SHENTU YUANLI ; LAVERACK JOHN R ; LO FARO GIAN MATTEO ; LA VIT TECHNOLOGY LLC ; LAVIT TECH LLC ; WESEMAN KURT R ; VIT TECHNOLOGY LLC ; WEAVER GREG G ; WEAVER GREG ; STRATTON ALAN KENNETH ; VIT TECH LLC ; RIEHM GEORGE E ; LO FORO GIAN MATTEO ; LO FORO GINA MATTEO ; LA VIT TECH LLC ; ADAMS DAVID PRESTON ; ADG DEV LLC

Assignee(s): ADG DEVELOPMENT LLC ; LA VIT TECHNOLOGY LLC NEW YORK ; LAVIT TECHNOLOGY LLC ; VALKENDAAL BV ; RICHM GEORGE E

Inventor(s): (std): WEAVER GREG ; FARO GIAN MATTEO LO ; GEORGE E RICHM ; GREG G WEAVER ; YUANLI SHENTU ; GIAN MATTEO LO FARO ; JOHN R LAVERACK ; KURT R WESEMAN ; LO FORO GIAN MATTEO ; CROSBY ALAN M ; BONNOITT JR GEORGE KINGMAN ; ADAMS DAVID PRESTON ; STRATTON ALAN KENNETH ; LO FORO GINA MATTEO ; WESEMAN KURT R ; SHENTU YUANLI ; LAVERACK JOHN R ; LO FARO GIAN

MATTEO ; RIEHM GEORGE E ; WEAVER GREG G ; RICHM GEORGE E ; BONNOITT GEORGE KINGMAN ; GREG WEAVER ; GIAN MATTEO LO FORO ; GEORGE E RIEHM ; ALAN KENNETH STRATTON ; DAVID PRESTON ADAMS ; GEORGE KINGMAN BONNOITT ; ALAN M CROSBY

Inventor(s): KURTR WESEMAN ; MATTEO GIAN LO FARO ; BONNOITT JR ; LO FARO GIAN ; WESEMAN KURT ; RICHM GEORGE ; LAVERACK JOHN ; LO FARO GIAN MATTEO MIAMI ; WEAVER GREG G WATERBURY ; RICHM GEORGE E NEW FAIRFIELD

Agent(s): SPRUSON AND FERGUSON; WRAYS PTY LTD; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; BERESKIN AND PARR LLP SENCRL SRL; GILLE HRABAL; LAWRENCE JOHN; COYLE PHILIP AIDAN; FRKELLY; CLT PATENT AND TRADEMARK HK LTD; CHANG TSI AND PARTNERS INTELLECTUAL PROPERTY HK LTD; REINHOLD COHN AND PARTNERS; INO SARI; KURASAWA ICHIRO; MATSUSHITA MITSURU; DESHIMARU TAKESHI; KUMAKURA YOSHIO; ERDEM KAYA; FULYA SUEMERALP; CLIFFORD H; CLIFFORD; KRAFT CLIFFORD H; KRAFT CLIFFORD; CAVANAUGH DAVID L 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

65) Family number: 51331772 (US2014196608A)

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Title: CAPSULE, SYSTEM, AND METHOD FOR PREPARING A BEVERAGE

Abstract: The capsule according to the invention consists of a capsule body having a side wall and having a base which is integral with the side wall. The capsule comprises a lid that covers the capsule body in order to form a closed chamber, wherein said chamber contains a substance for preparing a beverage. The base can be penetrated by a device arranged outside of the capsule in order to conduct a liquid through the chamber. The capsule body is made of plastic, wherein the base has a penetration area and a reinforcement area. A central area of the base is designed at the penetration area and the reinforcement area is arranged around the penetration area. The reinforcement area is designed as at least one recessed section in the base, said section(s) running substantially in the circumferential direction.

Classifications:

International (IPC 8-9): A47G19/14 A47J31/06 A47J31/40

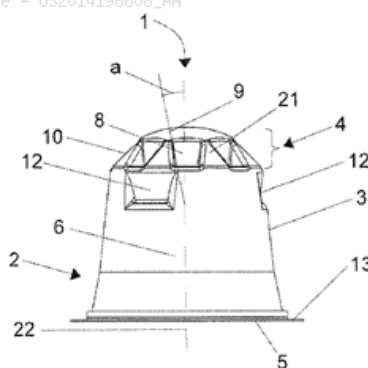
B65B29/02 B65D B65D85/804 (Advanced/Invention)

CPC: B65D85/8046 A47J31/407 B65D85/8043 B65D65/466

European: B65D85/804B

US: 1/1 426/115 426/77 99/295

PatBase - US2014196608_AA



Family:

Publication number	Publication date	Application number	Application date
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US9260239 BB	20160216	US20110994494	20111216
WO12080501 A1	20120621	WO2011EP73128	20111216

Priority:

EP20100195723 20101217

EP20110802705 20111216

WO2011EP73128 20111216

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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

66) Family number: 33187774 (US2007272084A) © PatBase

Title: DEVICE FOR PREPARING A DRINK FROM A CAPSULE BY INJECTION OF A PRESSURIZED FLUID AND CAPSULE-HOLDER ADAPTED THEREFORE

Abstract: Device for preparation of a drink from a food substance contained in a capsule (6) comprising a fluid supply unit (5) comprising fluid supply means (50); a capsule holder (4) configured to receive a capsule (6). The capsule holder is removable from the fluid supply unit and can comprise a fluid injector (70) for inserting fluid into the capsule.

Classifications:

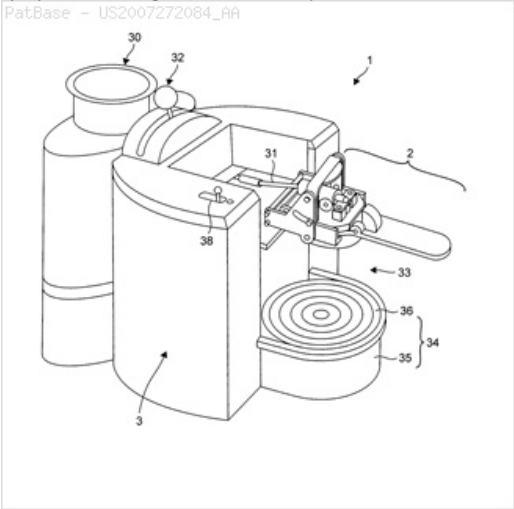
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International (ipc 1-7): A47J31/34 A47J31/44

CPC: A47J31/4467 A47J31/0668

European: A47J31/06C A47J31/06P4 A47J31/40B A47J31/40H A47J31/44A4D

US: 99/275 99/279 99/295



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Publication number	Publication date	Application number	Application date
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Priority:

EP20050100839 20050207 EP20050105037 20050609 WO2006EP00944 20060203
EP20060706613 20060203 JP20070553538 20060203 US20070828774 20070726

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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 KN KP KR KZ 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

67) Family number: 55366782 (US2013336519A)

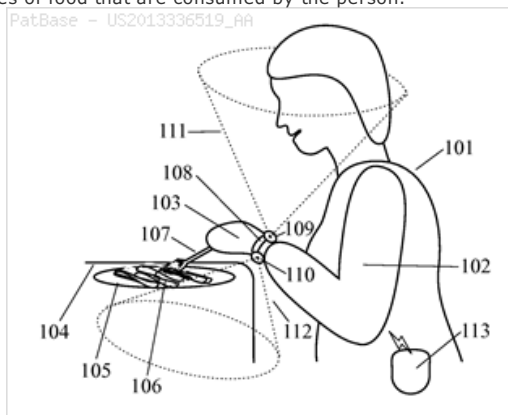
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Title: WILLPOWER WATCH (TM) -- A WEARABLE FOOD CONSUMPTION MONITOR

Abstract: This invention is a wearable, automatic, and tamper-resistant device and method for monitoring and measuring food consumption and caloric intake. It can help people to manage their energy balance and weight. It can be embodied as: (a) one or more automatic-imaging members that are worn on a person from which these members collectively and automatically take pictures of the person's mouth and pictures of a reachable food source when the person eats; (b) a tamper-resisting mechanism which detects and responds if the operation of the one or more automatic-imaging members is impaired; and (c) an image-analyzing member which automatically analyzes pictures of the person's mouth and pictures of the reachable food source in order to estimate the types and quantities of food that are consumed by the person.

Classifications:

International (IPC 8-9): A41B1/08 A41B7/00 A41D13/12 A41D27/10 A41D27/20 A44C5/00 A44C9/00 A47G21/02 A61B19/00 A61B5/00 A61B5/01 A61B5/0205 A61B5/026 A61B5/03 A61B5/04 A61B5/0402 A61B5/0476 A61B5/0478 A61B5/0482 A61B5/0488 A61B5/053 A61B5/107 A61B5/11 A61B5/117 A61B5/145 A61B5/1455 A61B5/1468 A61B5/1477 A61B7/00 A61B7/04 A61B90/00 A61F5/00 A61M1/12 A61M21/00 A61M31/00 A61M5/142 A61M5/172 A61N1/365 A61N1/372 A61N2/00 A61N2/02 G01B11/25 G01B7/16 G01J3/02 G01J3/10 G01J3/28 G01N21/25 G01N21/27 G01N21/33 G01N21/35 G01N21/3554 G01N33/02 G01R27/02 G06F1/16 G06F17/00 G06F19/00 G06F3/01 G06F3/03 G06F3/0346 G06F3/044 G06K9/00 G06K9/22 G06T1/00 G06T7/00 G09B19/00 G09B5/00 G09B5/02 G16H20/60 H04N7/18 (Advanced/Invention); A41D1/00 A41D13/12 A41H1/02 A61B5/00 A61B5/0205 A61B5/021 A61B5/024 A61B5/0404 A61B5/0488 A61B5/053 A61B5/08 A61B5/107 A61B5/11 A61B5/1455 A61B90/00 G01N21/31 G06F1/16 G06F19/00 G06F3/01 G06K9/00 G09B19/00 (Advanced/Non-invention)
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Publication number	Publication date	Application number	Application date
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US2018239469 AA	20180823	US20180960477	20180423
US2018303383 AA	20181025	US20180010448	20180616
US2018307314 AA	20181025	US20180017439	20180625
US2018310855 AA	20181101	US20180022987	20180629
US2019030230 AA	20190131	US20180150469	20181003
US9042596 BB	20150526	US20120523739	20120614
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US9442100 BB	20160913	US20130132292	20131218
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US9588582 BB	20170307	US20140463741	20140820
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US9891718 BB	20180213	US20160130995	20160417
US9968297 BB	20180515	US20170464349	20170321

US10139823 BB	20181129	US20140567369	20141293
US10234934 BB	20190319	US20160079447	20160324
US10234942 BB	20190319	US20160136948	20160424
US10314492 BB	20190611	US20150951475	20151124
US10321873 BB	20190618	US20160227254	20160803

Priority:

US20120523739	20120614	US20120616238	20120914	US20120729494P	20121123
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US20130071112	20131104	US20130132292	20131218	US20140932517P	20140128
US20140939244P	20140212	US20140944090P	20140225	US20140948124P	20140305
US20140976650P	20140408	US20140014747P	20140620	US20140017615P	20140626
US20140330649	20140714	US20140449387	20140801	US20140459937	20140814
US20140463741	20140820	US20140065032P	20141017	US20140550953	20141122
US20140086053P	20141201	US20140562719	20141207	US20140089696P	20141209
US20140096199P	20141223	US20150100217P	20150106	US20150599522	20150118
US20150106856P	20150123	US20150111163P	20150203	US20150113423P	20150207
US20150115691P	20150213	US20150623337	20150216	US20150664832	20150321
US20150150886P	20150422	US20150160172P	20150512	US20150169661P	20150602
US20150736652	20150611	US20150182473P	20150620	US20150187906P	20150702
US20150795373	20150709	US20150202385P	20150807	US20150846802	20150906
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US20160322594P	20160414	US20160130995	20160417	US20160136948	20160424
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US20160227254	20160803	US20160236401	20160813	US20160294746	20161016
US20160430667P	20161206	US20160439147P	20161226	US20170449735P	20170124
US20170418620	20170127	US20170431769	20170214	US20170464349	20170321
US20170538793P	20170730	US20170549587P	20170824	US20170553618P	20170901
US20170702081	20170912	US20170725330	20171005	US20180879581	20180125
US20180882255	20180129	US20180960477	20180423	US20180963061	20180425
US20180683237P	20180611	US20180010448	20180616	US20180017439	20180625
US20180022987	20180629	US20180150469	20181003		

Probable Assignee: MEDIBOTICS LLC

Assignee(s): (std): BEHYMER JEDIDIAH ; CONNOR ROBERT A ; HARDYMAN MATTHEW ; HERICKS MATT ; MEDIBOTICS LLC ; HOMMER GARRISON ; LOPEZ GUS ; SMIDA JOHN ; OLSON TYLER ; STEIN ALEX ; VALENCIA DANIEL ; WONG ERIC

Inventor(s): (std): CONNOR ROBERT A ; WONG ERIC ; VALENCIA DANIEL ; STEIN ALEX ; SMIDA JOHN ; OLSON TYLER ; LOPEZ GUS ; HOMMER GARRISON ; HERICKS MATT ; HARDYMAN MATTHEW ; BEHYMER JEDIDIAH

68) Family number: 51697844 (EP2484605A1)

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Title: PRE-FILLED INFUSION CAPSULE, MANUFACTURING METHOD, ASSOCIATED DEVICE AND ADAPTED INFUSION CHAMBER

Abstract: The capsule (1a) has a body extended along a main axis of the capsule from a main opening to a bottom wall that includes a single through-hole (10a). A closing unit i.e. main operculum, closes the main opening of the capsule, and a removable closing unit i.e. grippable operculum, closes the through-hole. A groove ensures univocal compulsory positioning of the capsule in an associate infusion chamber (60). The through-hole is shifted with respect to the main axis of the capsule to adopt a position or another position different from the former position. Independent claims are also included for the following: (1) a method for manufacturing a pre-filled infusion capsule (2) a device for implementing a method for manufacturing a pre-filled infusion capsule (3) an infusion chamber.

Classifications:

International (ipc 8-9): A47J31/06 A47J31/36

B65D85/804 (Advanced/Invention)

CPC: B65D85/8043 A47J31/3623 B65B9/042 B65B57/14 B65B61/20 B65B29/022

European: A47J31/36A4 B65D85/804B

PatBase - EP2484605_A1

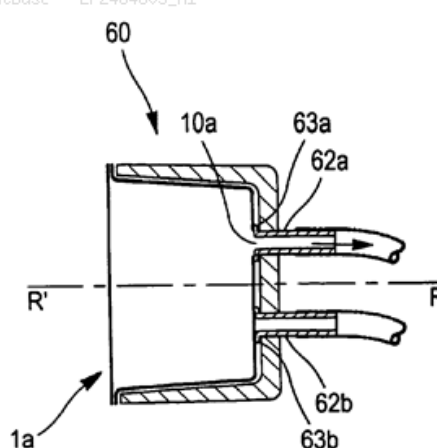


FIG. 7

Family:

Publication number	Publication date	Application number	Application date
EP2484605 A1	20120808	EP20110000840	20110203

Priority:

EP20110000840 20110203

Probable Assignee: SAMAR TECHNOLOGIES LTD
Assignee(s): (std): SAMAR TECHNOLOGIES LTD
Inventor(s): LA DESIGNATION DE L INVENTEUR N A PAS ENCORE...
Agent(s): DELAVEAU SOPHIE
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

69) Family number: 65565853 (US2017121385A)

© PatBase

Title: METHODS OF TREATING NEURODEGENERATIVE CONDITIONS

Abstract: The present disclosure provides methods for treating a neurodegenerative condition or situation in a subject in need thereof, comprising administering to the subject an effective amount of a compound comprising ghrelin or a ghrelin variant.

Classifications:

International (IPC 8-9): A61K31/00 A61K38/22 A61K38/25 A61K45/06 A61P25/28 C07K14/575 (Advanced/Invention)

CPC: C07K14/575 A61K38/22 A61K45/06 A61K38/00 A61K38/25

US: 424/85.1

Family:

Publication number	Publication date	Application number	Application date
US2017121385 AA	20170504	US20160338159	20161028
WO17075535 A1	20170504	WO2016US59580	20161028

Priority:

US20150247680P 20151028 US20160338159 20161028

Probable Assignee: OXEIA BIOPHARMACEUTICALS INC

Assignee(s): (std): OXEIA BIOPHARMACEUTICALS INC

Inventor(s): (std): SHAH KARTIK KIRAN ; MUNSHI AMIT DILIP

Agent(s): MORLEY MARC 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 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

70) Family number: 11309909 (US5402707A)

© PatBase

Title: Obtaining fluid comestibles from substances contained in cartridges

Abstract: Systems for preparing comestibles, particularly beverages, from substances contained in sealed cartridges have a water injector, a support for a cartridge holder and a cartridge holder which includes a flow grille and relief surface element so that upon introducing water under pressure into the cartridge to prepare a beverage, a face of the cartridge adjacent the relief surface element and flow grille is deformed and then torn to enable a fluid comestible to be removed from the cartridge and pass through the relief surface element and grille.

Classifications:

International (IPC 8-9): A23F5/26 A47J31/06 A47J31/30 A47J31/32 A47J31/36 A47J31/40 A47J31/44 B65B29/02 B65B29/06 B65D1/32 B65D17/00 B65D35/10 B65D43/02 B65D75/32 B65D75/58 B65D77/30 B65D81/00 B65D81/34 B65D83/00 B65D85/72 B65D85/804 B65G65/23 (Advanced/Invention);

A47J31/06 (Advanced/Non-invention);
A47J31/06 A47J31/24 A47J31/40 A47J31/44 B65B29/00 B65D1/00 B65D17/00 B65D35/02 B65D43/02 B65D75/28 B65D75/52 B65D77/22 B65D81/00 B65D81/34 B65D85/72 B65D85/804 (Core/Invention);
B65D (Subclass/Invention)

International (IPC 1-7): A23F5/26 A47J31/00 A47J31/06 A47J31/24 A47J31/30 A47J31/32 A47J31/34 A47J31/40 A47J31/44 A67J31/60 B01D11/02 B65B29/02 B65B29/06 B65D1/32 B65D17/00 B65D35/10 B65D43/02 B65D75/32 B65D75/58 B65D77/30 B65D81/34 B65D83/00 B65D85/72 B65G65/23 F16M13/00

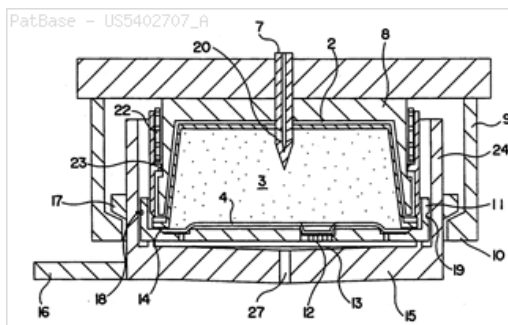
CPC: A47J31/0678 A47J31/3695 B65D85/8043 A47J31/0668 A47J31/0684 A47J31/369

European: A47J31/06P4 A47J31/06P4D A47J31/06P5 A47J31/36B4D A47J31/36B4D2 A47J31/40B A47J31/40H B65D81/00B3 B65D85/804B

US: 426/112 426/433 426/77 426/84 99/295 99/302R

Family:

Publication number	Publication date	Application number	Application date
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AT148419 E	19970215	AT19920107536T	19920504
AU199215027 A1	19921112	AU19920015027	19920421
AU199215051 A1	19921112	AU19920015051	19920422
AU199513501 A1	19950706	AU19950013501	19950227
AU658407 B2	19950413	AU19920015027	19920421
AU679825 B2	19970710	AU19950013501	19950227
CA2067515 AA	19921111	CA19922067515	19920429
CA2067515 C	19990209	CA19922067515	19920429
CA2068067 AA	19921109	CA19922068067	19920506
CA2068067 C	19980616	CA19922068067	19920506
DE69210084 D1	19960530	DE19926010084	19920505
DE69210084 T2	19960919	DE19926010084T	19920505



DE69217113 D1	19970313	DE19926017113	19920504
DE69217113 T2	19970515	DE19926017113T	19920504
DK0512468 T3	19970707	DK19920107536T	19920504
DK0512470 T3	19960812	DK19920107548T	19920505
EP0512142 A1	19921111	EP19910107462	19910508
EP0512148 A1	19921111	EP19910107650	19910510
EP0512468 A1	19921111	EP19920107536	19920504
EP0512468 B1	19970129	EP19920107536	19920504
EP0512470 A1	19921111	EP19920107548	19920505
EP0512470 B1	19960424	EP19920107548	19920505
ES2087338 T3	19960716	ES19920107548T	19920505
ES2097831 T3	19970416	ES19920107536T	19920504
FI108630 B	20020228	FI19920002065	19920507
FI922064 A	19921109	FI19920002064	19920507
FI922064 A0	19920507	FI19920002064	19920507
FI922065 A	19921111	FI19920002065	19920507
FI922065 A0	19920507	FI19920002065	19920507
FI96739 B	19960515	FI19920002064	19920507
FI96739 C	19960826	FI19920002064	19920507
GR3020260 T3	19960930	GR19960401639T	19960619
GR3022936 T3	19970630	GR19970400623T	19970326
HK1002695 A1	19980911	HK19980101553	19980227
JP2763987 B2	19980611	JP19920116374	19920508
JP2784293 B2	19980806	JP19920114941	19920507
JP5130944 A2	19930528	JP19920114941	19920507
JP5132056 A2	19930528	JP19920116374	19920508
KR0143975 B1	19980801	KR19920007839	19920508
KR0145425 B1	19980701	KR19920007838	19920508
MX9202123 A1	19921101	MX19920002123	19920507
MX9202144 A1	19921101	MX19920002144	19920508
NO302696 B1	19980414	NO19920001812	19920507
NO311322 B1	20011119	NO19920001811	19920507
NO921811 A	19921109	NO19920001811	19920507
NO921811 A0	19920507	NO19920001811	19920507
NO921811 L	19921109	NO19920001811	19920507
NO921812 A	19921111	NO19920001812	19920507
NO921812 A0	19920507	NO19920001812	19920507
NO921812 L	19921111	NO19920001812	19920507
NZ242524 A	19940627	NZ19920242524	19920428
NZ242567 A	19941222	NZ19920242567	19920430
TW199884 B	19930211	TW19920103041	19920418
US5402707 A	19950404	US19920880173	19920506
US5656316 A	19970812	US19940315225	19940929
US5897899 A	19990427	US19940203891	19940228
ZA9202778 A	19921230	ZA19920002778	19920415
ZA9202989 A	19921230	ZA19920002989	19920424

Priority:

EP19910107462 19910508	EP19910107650 19910510	EP19910111317 19910708
EP19910111318 19910708	EP19920101389 19920128	US19920869526 19920416
AU19920015051 19920422	CA19922067515 19920429	CA19922067515 19920429
EP19920107536 19920504	EP19920107548 19920505	CA19922068067 19920506
US19920880173 19920506	US19940203891 19940228	US19940315225 19940929

Probable Assignee: NESTEC SA

Assignee(s): (std): NESTLE SA ; NESTEC SA ; DES PRODUITS NESTLE S A SOC ; SOCIERE DES PRODUITS NESTLE S A

Assignee(s): SOCIETE DES PRODUITS NESTLE S A ; SOCIETE DES PRODUITS NESTLE SA ; SOCIETE DES PRODUITS NESTLE S A VEVEY CH ; YOAKIM ALFRED ; DES PRODUITS NESTLE SA SOC ; DES PRODUITS NESTLE SOC SA ; FOND OLIVIER ; LAVANCHY GERARD ; NESTEC AVENUE NESTLE SA ; PURODEYUI NETSUSURU SOC SA ; NESTEC S A ; PURODEYUI NETSUSURU SA SOC ; SOC PROD NESTLE SA ; SOCI T DES PRODUITS NESTL S A ; PROD NESTLE SA SOC

Inventor(s): (std): ARUFURETSUDO YOAKIMU ; JIERAARU RABANSHII ; ORIBIE FUONDO ; ALFRED YOAKIM ; GERARD LAVANCHY ; OLIVIER FOND ; FOND OLIVIER ; YOAKIM ALFRED ; LAVANCHY GERARD ; LAVANCHY G RARD

Inventor(s): JERAARU RABANSHII ; LAVANCHY GERARD CH 1008 PRILLY CH ; FOND OLIVIER CH 1400 YVERDON CH ; YOAKIM ALFRED CH 1814 LA TOUR DE PEILZ CH

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; ASAMURA KIYOSHI; ASAMURA HAJIME; IWAMOTO YUKIO

Designated states: AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE

71) Family number: 60335910 (US2017074857A)

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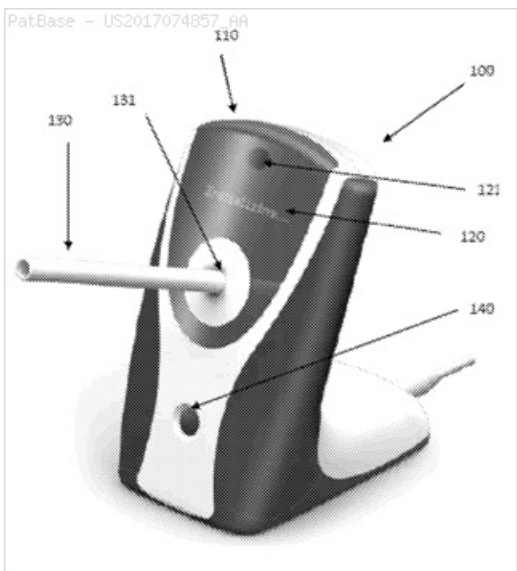
Title: MEDICATION ADHERENCE MONITORING DEVICE

Abstract: A Self Monitoring And Reporting Therapeutics, SMART(R) composition, method, apparatus and system are provided which flexibly provide options, by combining different embodiments of the device with different embodiments of the composition, the ability to conduct definitive medication adherence monitoring over the short term (Acute Medication Adherence Monitoring, immediately up to an hour or so after taking a medication), intermediate term (Intermediate Medication Adherence Monitoring, IMAM, an hour or so to a day or so after taking a medication), and longer term (Chronic Medication Adherence Monitoring, CMAM, a day to several days after taking a medication).

Classifications:

International (IPC 8-9): A61B5/00 A61B5/08 A61B5/083 A61B5/097

A61K51/12 G01N30/74 G01N33/497 (Advanced/Invention)
CPC: A61B5/082 A61B5/087 A61B5/4848 G01N30/74 A61B5/4833
A61B5/097 G01N2030/025 G01N33/497 A61B5/0836 A61B2010/0087
G01N2030/743 G01N2033/4975
US: 422/84



Family:

Publication number	Publication date	Application number	Application date
CA2939937 AA	20160816	CA20152939937	20150302
EP3188663 A1	20170712	EP20150758856	20150302
EP3188663 A4	20180801	EP20150758856	20150302
US2017074857 AA	20170316	US20150123424	20150302
WO15134390 A1	20150911	WO2015US18317	20150302

Priority:

US20140947669P 20140304 US20150123424 20150302 WO2015US18317 20150302

Probable Assignee: XHALE INC

Assignee(s): (std): UNIV FLORIDA ; UNIV OF FLORIDA RESEARCH FOUNDATION ; XHALE INC ; UNIV OF FLORIDA RES FOUND

Assignee(s): OF FLORIDA RESEARCH FOUNDATION INC UNIV ; WHOLTJEN HANK ; WASDO SCOTT ; KAUL POONAM ; TANNER MARK ; DENNIS DONN ; BATICH CHRIS ; BAUMGARTNER SUSAN ; BOOTH MATTHEW ; CRUMB DOUGLAS ; OF FLORIDA RESEARCH FOUNDATION UNIV

Inventor(s): (std): DENNIS DONN ; BAUMGARTNER SUSAN ; TANNER MARK ; BATICH CHRIS ; BOOTH MATTHEW ; KAUL POONAM ; WASDO SCOTT ; WHOLTJEN HANK ; CRUMB DOUGLAS

Agent(s): AIRD AND MCBURNEY LP; GERBINO ANGELO; RISLEY DAVID R 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

72) Family number: 56940937 (EP2757055A1) © PatBase

Title: CAPSULE AND SYSTEM FOR BEVERAGE PREPARATION CAPSULE ET SYSTEME DE PREPARATION DE BOISSON </TI

Abstract: A capsule (1) for the preparation of a beverage comprises a lateral wall (2), a water inlet wall (3) and a lower wall (4) forming a hollow body (5) having a substantially central axis (A), the capsule further comprising at least one sunken portion (10) arranged within said inlet wall (3), wherein said at least one sunken portion (10) corresponds to a protrusion (11) inside the hollow body (5) of the capsule. Said at least one sunken portion (10) comprising at least one surface (12) lying on a plane (P) or containing at least one axis (B) that maintains a constant angle of inclination (plus or minus) with respect to said central axis (A) of the capsule or with respect to a vertical axis parallel to said central axis (A).

Classifications:

International (IPC 8-9): B65D85/804 (Advanced/Invention)
CPC: B65D85/8043

Publication number	Publication date	Application number	Application date
EP2757055 A1	20140723	EP20130000249	20130117

EP20130000249 20130117

Assignee(s): (std): TUTTOESPRESSO SRL

Agent(s): GISLON GABRIELE

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

Abstract: A method and apparatus for opening and closing a cartridge holder of a beverage forming machine. The cartridge holder may have an opening arranged to receive and hold a cartridge with the cartridge holder. The opening may be adjustable in size and/or shape to allow the cartridge holder to receive and engage with cartridges of different size and/or shape. The cartridge holder may include one or more movable portions that are adjustable in position to effectively adjust a size and/or shape of the opening.

International (IPC 8-9): A47J A47J31/06 A47J31/36 A47J31/40
A47J31/44 A47J31/46 B65D B65D85/804 (Advanced/Invention)
CPC: A47J31/407 A47J31/46 A47J31/0647 A47J31/0668
US: 99/295

FIG. 1 is a perspective view of a portable water purifier 100. The device includes a main body 10 and a lid 14. A handle 17 is positioned on the side of the main body. A spout 5 is located on the front of the lid. A circular filter assembly 12 is situated at the bottom front of the main body.

Publication number	Publication date	Application number	Application date
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AU2015206502 AA	20160804	AU20150206502	20150115
BR112016015781 A2	20170808	BR20161115781	20150115
CA2934717 AA	20160620	CA20152934717	20150115
CN105916416 A	20160831	CN201580004743	20150115
DE602015021217 D1	20190103	DE201560021217T	20150115
EP3094222 A1	20161123	EP20150704407	20150115
EP3094222 B1	20181212	EP20150704407	20150115
HK1228228 A1	20171103	HK20170102122	20170227
JP2017508572 T2	20170330	JP20160565106T	20150115
KR20160110435 A	20160921	KR20167021954	20150115
US2015201789 AA	20150723	US20140157853	20140117
US10136754 BB	20181127	US20140157853	20140117
WO15109062 A1	20150723	WO2015US11542	20150115

Priority:

US20140157853 20140117 EP20150704407 20150115 WO2015US11542 20150115

Probable Assignee: KEURIG GREEN MOUNTAIN INC

Assignee(s): (std): KEURIG GREEN MOUNTAIN INC

Assignee(s): JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; HRISTOV STOYAN PLAMENOV ; LAZATIN PATRICK J ; LAUNIE PETER THOMAS ; GREINER JORDAN DEAN JACK ; JACOBS WILLIAM T ; KEURIG GREEN MOUNTAIN INC WATERBURY ; LIUZZA MARIO ; MACLEAN TIMOTHY ; SHEPARD JAMES E ; SMITH GEOFFREY Y ; WOSKOV PETER NICHOLAS ; MCHUGH WILLIAM PHILIP ; RABINO YOAV ; TINKLER IAN ; BRANDIMARTE KEVIN THOMAS ; BRODIE JONATHAN ALEXANDER ; FOSTER STUART JAY ; GREEN MOUNTAIN COFFEE ROASTERS INC

Inventor(s): (std): LAUNIE PETER THOMAS ; LIUZZA MARIO ; RABINO YOAV ; LAUNIE JR PETER THOMAS ; BRANDIMARTE KEVIN THOMAS ; MCHUGH WILLIAM PHILIP ; JACOBS WILLIAM T ; GREINER JORDAN DEAN JACK ; SHEPARD JAMES E ; TINKLER IAN ; LAZATIN PATRICK J ; SMITH GEOFFREY Y ; BRODIE JONATHAN ALEXANDER ; WOSKOV PETER NICHOLAS ; HRISTOV STOYAN PLAMENOV ; MACLEAN TIMOTHY ; FOSTER STUART JAY

Inventor(s): LIUZZA MARIO BURLINGTON ; MACLEAN TIMOTHY BURLINGTON ; GEOFFREY Y SMITH ; PETER THOMAS LAUNIE JR ; JONATHAN ALEXANDER BRODIE ; STUART JAY FOSTER ; STOYAN PLAMENOV HRISTOV ; JORDAN DEAN JACK GREINER ; PETER NICHOLAS WOSKOV ; YOAV RABINO ; JAMES E SHEPARD ; IAN TINKLER ; WILLIAM T JACOBS ; PATRICK J LAZATIN ; WILLIAM PHILIP MCHUGH ; KEVIN THOMAS BRANDIMARTE ; MARIO LIUZZA ; TIMOTHY MACLEAN ; LAUNIE JR ; SMITH GEOFFREY Y BURLINGTON ; LAUNIE PETER THOMAS BURLINGTON ; BRODIE JONATHAN ALEXANDER BURLINGTON ; FOSTER STUART JAY BURLINGTON ; HRISTOV STOYAN PLAMENOV BURLINGTON ; GREINER JORDAN DEAN JACK BURLINGTON ; WOSKOV PETER NICHOLAS BURLINGTON ; RABINO YOAV BURLINGTON ; SHEPARD JAMES E BURLINGTON ; TINKLER IAN BURLINGTON ; JACOBS WILLIAM T BURLINGTON ; LAZATIN PATRICK J BURLINGTON ; MCHUGH WILLIAM PHILIP BURLINGTON ; BRANDIMARTE KEVIN THOMAS WATERBURY

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD ; SMART AND BIGGAR ; HGF LTD ; SHANGHAI INTELLECTUAL PROPERTY OFFICE ; YKI PATENT ATTORNEYS ; YKI INTELLECTUAL PROPERTY ATTORNEYS ; WOLF GREENFIELD AND SACKS PC ; HUNT ROBERT 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 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

74) Family number: 59878942 (US2015201795A)

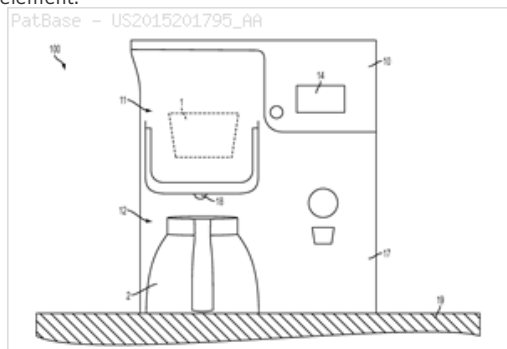
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Title: METHOD AND APPARATUS FOR BEVERAGE CARAFE DETECTION

Abstract: A beverage forming method and system in which a carafe with an associated magnetic element is positionable at a carafe receiving area. One of a protrusion and a first recess is associated with the carafe and the other of the protrusion and the first recess is associated with a housing. The housing includes a detector arranged to detect the presence of the magnetic element when the protrusion is inserted into the first recess. Beverage formation of an amount greater than a threshold volume is enabled when the detector detects the magnetic element.

Classifications:

International (IPC 8-9): A47J A47J31/00 A47J31/44 A47J31/46 A47J31/52 B65B1/04 B67D B67D1/08 B67D1/12 B67D3/00 (Advanced/Invention); A47J31/44 B67D1/08 B67D1/12 B67D3/00 (Advanced/Non-invention)
CPC: A47J31/4482 A47J31/4492 A47J31/52 B67D1/124 A47J31/46 B67D1/0894 B67D1/1234 B67D3/009 B67D3/0009
US: 1/1 426/231 99/280



Family:

Publication number	Publication date	Application number	Application date
AU2015206490 AA	20160804	AU20150206490	20150115
BR112016014982 A2	20170808	BR20161114982	20150115
CA2934909 AA	20160622	CA20152934909	20150115
CN105916799 A	20160831	CN201580004745	20150115
CN105916799 B	20171107	CN201580004745	20150115
DE602015009303 D1	20180426	DE201560009303T	20150115
EP3094591 A1	20161123	EP20150702327	20150115
EP3094591 B1	20180328	EP20150702327	20150115
HK1228363 A1	20171103	HK20170102119	20170227

■ HK1228363 B	20180831	HK20170102119	20170227
■ JP2017510315 T2	20170413	JP20160546771T	20150115
■ KR20160107300 A	20160913	KR20167021955	20150115
■ US2015201795 AA	20150723	US20140158191	20140117
■ US9173519 BB	20151103	US20140158191	20140117
■ WO15109050 A1	20150723	WO2015US11524	20150115

Priority:

US20140158191 20140117 EP20150702327 20150115 WO2015US11524 20150115

Probable Assignee: GREEN MOUNTAIN COFFEE ROASTERS INC

Assignee(s): (std): KEURIG GREEN MOUNTAIN INC

Assignee(s): SHEPARD JAMES E ; TINKLER IAN ; KEURIG GREEN MOUNTAIN INC WATERBURY ; GREEN MOUNTAIN COFFEE ROASTERS INC ; HURLEY GREGORY ; JOHNSEN MATTHEW ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Inventor(s): (std): SHEPARD JAMES E ; HURLEY GREGORY ; TINKLER IAN ; JOHNSEN MATTHEW

Inventor(s): TINKLER IAN BURLINGTON ; SHEPARD JAMES E BURLINGTON ; HURLEY GREGORY BURLINGTON ; JOHNSEN MATTHEW BURLINGTON ; MATTHEW JOHNSEN ; GREGORY HURLEY ; JAMES E SHEPARD ; IAN TINKLER

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR; HGF LTD; SHANGHAI INTELLECTUAL PROPERTY OFFICE; YKI PATENT ATTORNEYS; YKI INTELLECTUAL PROPERTY ATTORNEYS; WOLF GREENFIELD AND SACKS PC; HUNT ROBERT 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 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

75) Family number: 53535943 (US2014251147A)

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Title: FILTER CAP FOR FILTERING AND DISPENSING A NUTRITIONAL COMPOSITION

Abstract: The invention relates to a filter cap (1) for filtering liquid and dispensing an aqueous nutritional composition to a human, the filter cap (1) comprising a liquid inlet means (6) designed to be supplied with liquid from external liquid dispensing means (20), an adaptor (2) for connecting the filter cap (1) to the liquid dispensing means (20), connection means (2) designed for selectively connecting an opening (10) of the filter cap (1) to a container (3) designed to hold a powdered or concentrated liquid nutritional formula base (5) for the preparation of the nutritional composition (5a) upon hydration with the supplied liquid, and a filter assembly (7) in the flow path of the liquid from the inlet means (6) to the opening (10), the filter assembly (7) being configured to remove contaminants from liquid fed into the container through the inlet means (6).

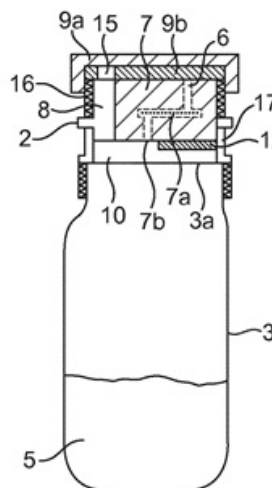
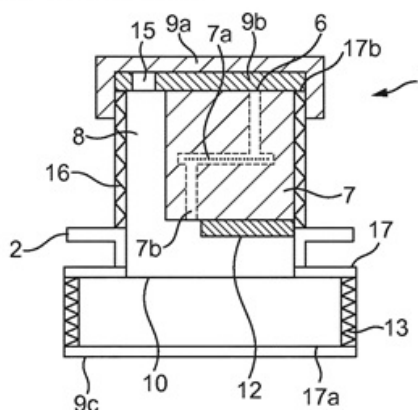
Classifications:

International (IPC 8-9): A47J31/00 A47J31/40 A47J31/44 A47J31/60 B01D35/02 B01D61/18 C02F1/00 (Advanced/Invention); A47J31/36 A61J9/00 (Advanced/Non-invention)

CPC: A47J31/446 B01D35/02 A47J31/005 C02F1/003 C02F2201/006 A47J31/36 A47J31/40 A47J31/605 A61J9/00 B01D61/18 B01D2313/20 B01D2313/21

US: 1/1 210/232 99/275

PatBase - US2014251147_RH



Family:

Publication number	Publication date	Application number	Application date
■ CN103987435 A	20140813	CN201280060879	20121010

CN103987435 B	20170301	CN201280060879	20121010
DE602012012717 D1	20160107	DE201260012717T	20121010
EP2583732 A1	20130424	EP20110185427	20111017
EP2768595 A1	20140827	EP20120772774	20121010
EP2768595 B1	20151125	EP20120772774	20121010
US2014251147 AA	20140911	US20120351439	20121010
US9474407 BB	20161025	US20120351439	20121010
WO13057015 A1	20130425	WO2012EP70005	20121010

Priority:

EP20110185427 20111017 EP20120772774 20121010 WO2012EP70005 20121010

Probable Assignee: NESTEC SA

Assignee(s): (std): NESTEC SA

Assignee(s): DES PRODUITS NESTLE SA SOC ; NESTEC S A

Inventor(s): (std): EPARS YANN ; MEIER ALAIN ; MEIER ALAN

Agent(s): MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; BORNE PATRICE DANIEL; K AND L GATES LLP; BORNE PATRICE

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

76) Family number: 63189952 (US2016235242A)

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Title: CARTRIDGE HOLDER FOR BEVERAGE MACHINE

Abstract: A beverage making machine having a cartridge holder with an upper portion movable in pivotal and/or linear ways relative to a lower portion. An actuator for the cartridge portion may include a handle-actuated spur gear and link to move the upper portion, which may be guided in movement via a cam and cam follower engagement. Information from a cartridge detector may be used based on movement of cartridge holder portions, e.g., as an upper portion moves from an open position to a closed position. A mixing chamber may be held by a drawer so as to be removable, and movement of the drawer may engage/disengage the mixing chamber from a fluid supply.

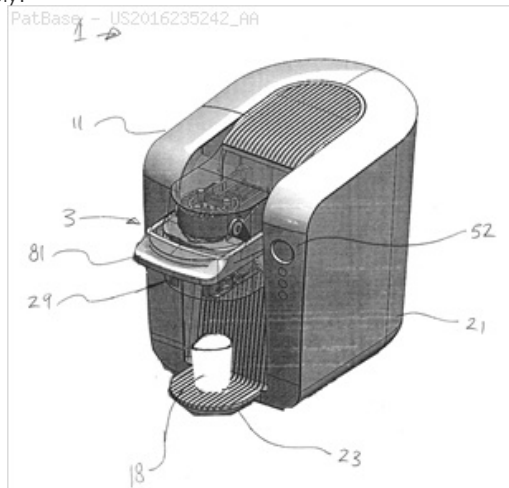
Classifications:

International (IPC 8-9): A47J31/02 A47J31/06 A47J31/36 A47J31/40

A47J31/44 (Advanced/Invention)

CPC: A47J31/407 A47J31/3623

US: 99/280



Family:

Publication number	Publication date	Application number	Application date
AU2016220230 AA	20170907	AU20160220230	20160216
CA2977046 AA	20170817	CA20162977046	20160216
EP3258821 A1	20171227	EP20160710521	20160216
US2016235242 AA	20160818	US20160042219	20160212
WO16133858 A1	20160825	WO2016US17986	20160216
WO16133858 A8	20161020	WO2016US17986	20160216

Priority:

US20150117035P 20150217 US20160042219 20160212 WO2016US17986 20160216

Probable Assignee: BEDFORD SYSTEMS LLC

Assignee(s): (std): KEURIG GREEN MOUNTAIN INC ; BEDFORD SYSTEMS LLC

Assignee(s): CAFARO ENRICO RAFFAELE ; DUTREMBLE THOMAS PAUL ; FEDORKA THOMAS ; GRUBB SCOTT ; MACKEY STEVEN ; MASADA GWYNN ; NOVAK THOMAS J ; JOHNSON BRIAN B ; MCHUGH WILLIAM PHILIP ; GORDON JEREMY B ; SACK MICHAEL ; RAPHAELSON STEVEN ; PETERSON PETER RAE ; RANGE BRADFORD

Inventor(s): (std): SACK MICHAEL ; RAPHAELSON STEVEN ; MASADA GWYNN ; GRUBB SCOTT ; NOVAK THOMAS J ; GORDON JEREMY B ; PETERSON PETER RAE ; MACKEY STEVEN ; RANGE BRADFORD ; FEDORKA THOMAS ; CAFARO ENRICO RAFFAELE ; MCHUGH WILLIAM PHILIP ; JOHNSON BRIAN B ; DUTREMBLE THOMAS PAUL ; MCHUNG WILLIAM PHILIP

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; GOWLING WLG CANADA LLP; HGF LTD; HUNT ROBERT 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 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

Title: CAPSULE FOR PRODUCING BEVERAGES

Abstract: A capsule for producing a beverage in an automatic beverage production device is provided that includes a cup-shaped body defined by a lateral wall and a bottom wall with a beverage outflow opening closed by a sealing film, and a filter member provided with a perforation member and extending transversely so as to ideally divide the cup-shaped body into an upper part containing the substance to be brewed, and a lower part containing a chamber for collecting the beverage. The bottom wall comprises an annular portion extending transversely to the capsule axis to define a stable support base for the capsule when the latter is arranged in a corresponding percolation seat of the automatic beverage production device. The lower part comprises a geometric discontinuity area shaped and/or sized so as to result, when the capsule is externally axially compressed, in the lower part of the cup-shaped body deforming substantially at the geometric discontinuity area, and in the perforation member resultingly displacing through the sealing film.

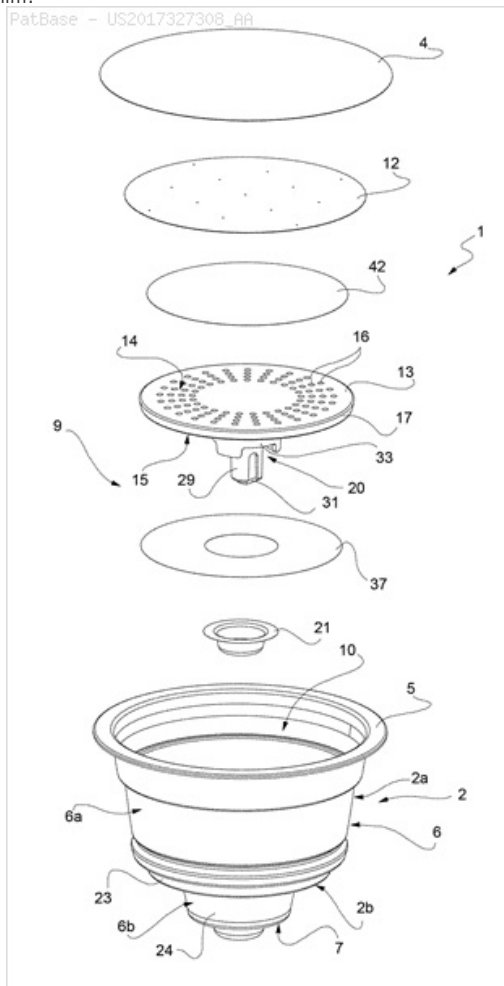
Classifications:

International (IPC 8-9): A47J31/06 A47J31/36 B65D77/00

B65D81/00 B65D85/804 (Advanced/Invention)

International (IPC 1-7): B65D85/804

CPC: B65D85/8043 B65D2081/007

**Family:**

Publication number	Publication date	Application number	Application date
AU2017223261 AA	20180809	AU20170223261	20170223
AU2017352036 AA	20190523	AU20170352036	20170731
BR112018017201 A2	20190102	BR20181117201	20170223
BR112019008807 A2	20190716	BR20191108807	20170731
CA3015460 AA	20180822	CA20173015460	20170223
CA3041195 AA	20190418	CA20173041195	20170731
CN107428458 A	20171201	CN201780000713	20170223
CN107428458 B	20190611	CN201780000713	20170223
CN109963796 A	20190702	CN201780068001	20170731
EP3237307 A1	20171101	EP20170716614	20170223
IN201827029149 A	20181026	IN201827029149	20180802
IT201600109774 A1	20180501	IT201610000109774	20161031
ITUB20161001 A1	20170823	IT2016UB01001	20160223
JP2019511275 T2	20190425	JP20180545376T	20170223
KR20180114201 A	20181017	KR20187027724	20170223
KR20190077426 A	20190703	KR20197014702	20170731
MX2018009054 A1	20190328	MX20180009054	20170223
US2017327308 AA	20171116	US20170664699	20170731
WO17145091 A1	20170831	WO20171B51044	20170223
WO18078461 A1	20180503	WO20171B54672	20170731

Priority:

IT201610000018671	20160223	IT2016UB01001	20160223	IT201610000109774	20161031
IT2016UA07840	20161031	IT2016UA07840	20161031	IT2016UA07840	20161031
IT201710000020172	20170222	IT2017UA01163	20170222	IT2017UA01163	20170222
WO20171B51044	20170223	WO20171B54672	20170731		

Probable Assignee: GRUPPO GIMOKA SRL

Assignee(s): (std): GRUPPO GIMOKA S R L ; GRUPPO GIMOKA SRL

Assignee(s): VALSECCHI MASSIMILIANO ; FARAVELLI MASSIMO

Inventor(s): (std): VALSECCHI MASSIMILIANO ; FARAVELLI MASSIMO ; VALSECCHI MASSIMILIANO ; MASSIMILIANO VALSECCHI ; MASSIMO FARAVELLI

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GRIFFITH HACK; MBM INTELLECTUAL PROPERTY LAW LLP; GIANNINI MANUELA; GIANNINI MANUELA 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 JO JP KE KG KH KM KN KP KR KW 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

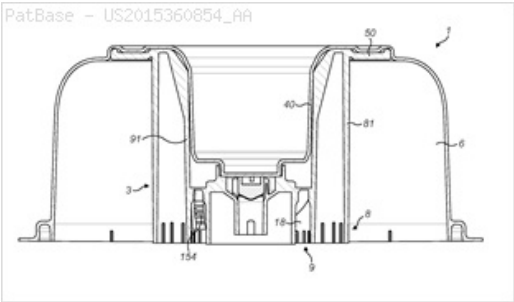
78) Family number: 57220959 (US2015360854A) © PatBase

Title: CARTRIDGE FOR THE PREPARATION OF BEVERAGES

Abstract: A cartridge for preparation of a beverage is provided which is sealed prior to use and contains one or more beverage ingredients. The cartridge comprises: a body defining a beverage ingredient chamber containing the one or more beverage ingredients; a first filter defining an exit from the beverage ingredient chamber; a second filter downstream of, and spaced apart from, the first filter; and a flow constriction downstream of the second filter, such that in use beverage produced from the one or more beverage ingredients passes, in order, through the first filter, the second filter and the flow constriction.

Classifications:

International (IPC 8-9): A47J31/06 A47J31/24 A47J31/36 A47J31/40 B65D B65D77/00 B65D81/00 B65D85/72 B65D85/804 (Advanced/Invention); A23F5/00 A23G1/56 A23L2/00 A23L5/00 (Advanced/Non-invention); B65D (Subclass/Invention)
CPC: B65D2081/007 B65D85/8043 B65D85/804
US: 426/115



Family:

Publication number	Publication date	Application number	Application date
AU2015273190 AA	20161222	AU20150273190	20150612
BR112016029231 A2	20180710	BR20161129231	20150612
CA2894436 AA	20151213	CA20152894436	20150612
CA2894436 C	20190409	CA20152894436	20150612
CA3011614 AA	20151213	CA20153011614	20150612
CN106660700 A	20170510	CN201580043076	20150612
EP3154875 A2	20170419	EP20150733891	20150612
GB201410615 A0	20140730	GB20140010615	20140613
GB2527292 A1	20151223	GB20140010615	20140613
IL249167 A0	20170131	IL20150249167	20150612
IN201647042066 A	20161230	IN201647042066	20161209
JP2017524395 T2	20170831	JP20160570033T	20150612
KR101920985 B1	20181121	KR20167034982	20150612
KR20170009905 A	20170125	KR20167034982	20150612
MX2016016385 A1	20171031	MX20160016385	20150612
PH2016502473 A	20170410	PH20160502473	20161212
RU2016148239 A	20180713	RU20160148239	20150612
RU2016148239 A3	20180713	RU20160148239	20150612
RU2666512 C2	20180907	RU20160148239	20150612
TW201601984 A	20160116	TW20150118583	20150609
TWI580623 B	20170501	TW20150118583	20150609
US2015360854 AA	20151217	US20150737849	20150612
US2018093820 AA	20180405	US20170823396	20171127
WO15189689 A2	20151217	WO20151B01013	20150612
WO15189689 A3	20160218	WO20151B01013	20150612

Priority:

GB20140010615 20140613 CA20152894436 20150612 US20150737849 20150612
RU20160148239 20150612 WO20151B01013 20150612 US20170823396 20171127
CA20182894436 20180723

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s): (std): KRAFT FOODS R AND D INC ; DOUWE EGBERTS BV ; KONINKL DOUWE EGBERTS BV ; DOUWE EGBERTS BV KONINKLL

Assignee(s): DOUWE EGBERTS KONINKLL BV ; SAUNDERS TONY ; RADCLIFFE IAN ALEXANDER JAMES ; MASSEY TULAY ; MELROSE JOHN ; MONDELEZ UK R AND D LTD ; BEEKER WILLEM PAUL ; CAMBRIDGE DESIGN PARTNERSHIP LLP ; CARR SIMON ; CURTIS STUART JAMES

Inventor(s): (std): MASSEY TULAY ; CURTIS STUART JAMES ; MELROSE JOHN ; SAUNDERS TONY ; RADCLIFFE IAN ALEXANDER JAMES ; BEEKER WILLIAM PAUL ; CARR SIMON ; JAMES RADCLIFFE IAN ALEXANDER ; PAUL BEEKER WILLEM ; JAMES CURTIS STUART ; STUART JAMES CURTIS ; SIMON CARR ; TONY SAUNDERS ; TULAY MASSEY ; WILLEM PAUL BEEKER ; JOHN MELROSE ; IAN ALEXANDER JAMES RADCLIFFE ; BEEKER WILLEM PAUL

Agent(s): GRIFFITH HACK; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; BOULT WADE TENNANT; UGRYUMOV VLADISLAV MIKHAILOVICH

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

79) Family number: 55665985 (US2015208852A)

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Title: CAPSULE AND BREWING SYSTEM WITH ADAPTABLE SEALING ELEMENT

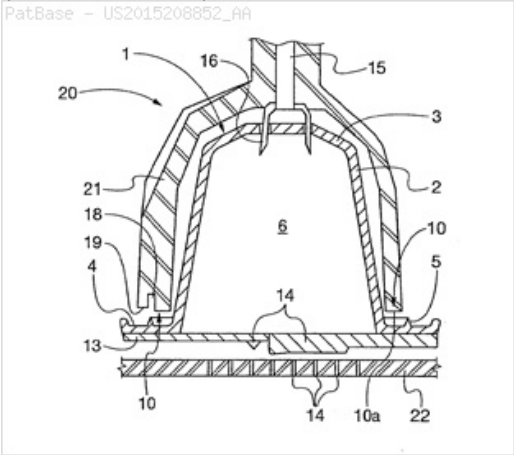
Abstract: In a system for preparing a beverage including a capsule including a flange-like rim and a sealing protrusion spaced from the lateral wall the capsule and extending outwardly of the flange rim, and a brewing device including a receptacle movable with respect to a receiving plate to provide a closed chamber for housing at least part of the capsule, the protrusion of the capsule includes at least one side, for example the internal side, that is inclined by an angle within the range of 80 to 40 degrees with respect to the plane of the flange rim to have the protrusion contacting the external portion of the edge of the receptacle at least at one location selected from the top and the side of the protrusion.

Classifications:

International (IPC 8-9): A47J A47J31/06 A47J31/34 A47J31/36 B65D B65D77/20 B65D85/804 B65D85/816 (Advanced/Invention); A47J B65D (Subclass/Invention)

CPC: A47J31/3633 B65D85/8046 B65D85/816 B65D85/8043 B65D77/20

US: 426/115 99/295



Family:

Publication number	Publication date	Application number	Application date
AU2013292241 AA	20140123	AU20130292241	20130701
AU2013292241 BB	20171214	AU20130292241	20130701
AU2018201780 AA	20180405	AU20180201780	20180313
BR112015001039 A2	20170627	BR20151101039	20130701
CA2878896 AA	20150112	CA20132878896	20130701
CN105164025 A	20151216	CN201380047889	20130701
CN105164025 B	20190621	CN201380047889	20130701
DE602013018889 D1	20170504	DE201360018889T	20130701
DK2872421 T3	20170710	DK20130732572T	20130701
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ES2633171 T3	20170919	ES20130732572T	20130701
HK1214803 A1	20160805	HK20160102799	20160310
JP2015526146 T2	20150910	JP20150522027T	20130701
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Priority:

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EP20130732572 20130701 AU20180201780 20180313

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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 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

80) Family number: 64288991 (US2017087215A)

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Title: METHODS FOR PRODUCING STABLE THERAPEUTIC FORMULATIONS IN APROTIC POLAR SOLVENTS

Abstract: Certain embodiments are directed to a formulation of a therapeutic agent, as well as a method of making such a formulation, comprising at least one therapeutic agent dissolved in an aprotic polar solvent system comprising at least one ionization stabilizing excipient in a concentration sufficient to impart physical and chemical stability to the therapeutic agent.

Classifications:

International (IPC 8-9): A61K A61K38/00 A61K38/26 A61K47/00 A61K47/02 A61K47/10 A61K47/12 A61K47/20 A61K47/26 A61K9/00 A61K9/08 A61M A61M5/142 A61P3/00 A61P3/04 A61P3/08 C07K14/605 (Advanced/Invention); A61K (Subclass/Invention)

International (IPC 1-7): A61K38/00 A61K38/26 A61K47/00 A61K47/20 A61K47/26 A61K9/00 A61K9/08 A61M5/142 **CPC:** A61M5/1723 A61K38/26 A61K9/0019 A61K47/183 A61M2230/201 A61K9/08 A61K38/00 A61K47/00 A61K47/12 A61M5/142 A61P3/00 A61K47/186 A61K9/0029 A61M5/32 A61P3/04 A61K9/0024 A61K9/19 A61K47/02 A61K47/10 A61K47/20 A61K47/26

US: 1/1 514/6.8

PatBase - US2017087215_AA



FIG. 1

Family:

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Priority:

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US20160136650 20160422	US20160735052 20160610	WO2016US36921 20160610
US20160763050 20160925	WO2016US53628 20160925	US20170594998 20170515

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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 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 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

81) Family number: 48322994 (US2011041702A)

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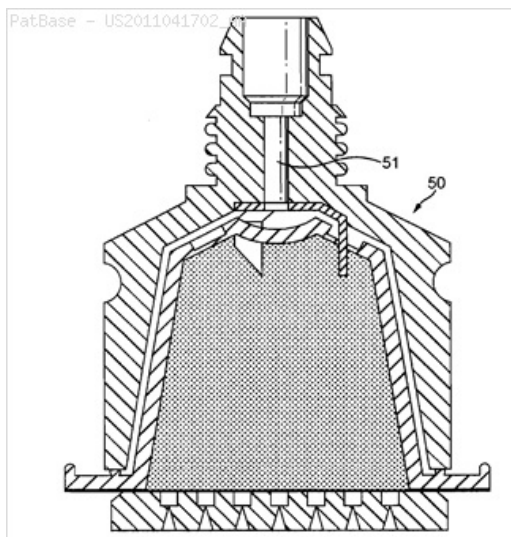
Title: CAPSULE FOR THE PREPARATION OF A COFFEE EXTRACT HAVING A STRUCTURE FACILITATING PERFORATION FOR INJECTION OF WATER

Abstract: A capsule for the preparation of a coffee extract from coffee contained therein and hot water injected under pressure in the capsule by a water injection device. The capsule has a frusto-conical body with a rim, sidewall, and an inlet wall and a lower delivery wall sealed to the rim and contains a predosed amount of coffee. The inlet wall may have a flat or convex portion and a structure in relief or in recess arranged for facilitating penetration of blades belonging to the injection device and extending on a substantially circular path of predetermined radius R1 equal to the radius R2 of the circular path along which the blades of the injection device extend.

Classifications:

International (IPC 8-9): A23F A47J A47J31/06 A47J31/24 A47J31/36 A47J31/40 A47J31/44 A47J31/46 B65B29/02 B65D B65D65/46 B65D77/02 B65D77/20 B65D85/804 B65D85/808

B65D85/816 (Advanced/Invention);
A23F5/26 A47J31/00 (Advanced/Non-invention);
B65D (Subclass/Invention)
CPC: Y02W90/11 A47J31/005 A47J31/0663 B65D85/8043
B65D65/466
European: B65D85/804B
US: 1/1 206/0.5 206/0.500S 99/302.00RP 99/302R
Locarno class: 20/65



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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EP20100160385 20100420 EP20100168591 20100420 EP20130153800 20100420
CA20102719126 20101027

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IP; AYSEN KUNT; WINSTON AND STRAWN LLP,PATENT DEPARTMENT; WINSTON AND STRAWN LLP
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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