

Search history

Search 1: FT=(beverage* and device* dispensing and base and pivotable) and PD<20150918 and CPC=(A47J) (Results 0)

Search 2: beverage and dispensing and preparation and system and base and pivot and rotation and assembly (Results 1)

Search 3: FT=(beverage* and device* dispensing and base and pivotable) and PD<20150918 (Results 3)

Search 4: system and preparation and beverage and unit and dispensing and rotatably and PD<20150918 (Results 235)

Search 5: system and preparation and beverage and unit and dispensing and rotatably and pivotable and PD<20150918 and CPC=(A47J) (Results 59)

1) Family number: 51627010 (CA2780774A)

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Title: CARTRIDGE AND METHOD FOR THE PREPARATION OF BEVERAGES CARTOUCHE ET PROCEDE POUR PREPARER DES BOISSONS

Priority: GB20030001738 20030124 GB20030001745 20030124 GB20030001739 20030124
CA20042513719 20040123 CA20042780774 20040123 CA20122513719 20120709

Family:

Publication number	Publication date	Application number	Application date
CA2780774 AA	20040805	CA20042780774	20040123
CA2780774 C	20161129	CA20042780774	20040123

Probable Assignee: KRAFT FOODS R AND D INC

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

Assignee(s): PANESAR SATWINDER ; BALLARD COLIN ; DOUWE EGBERTS BV KONINKLL ; GOMEZ MARIA ; HALLIDAY ANDREW

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

Agent(s): MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP

International class (IPC 8-9): A47J31/06 A47J31/24 A47J31/36 A47J31/40 B65B43/42 B65D81/00 B65D85/72 B65D85/804 (Advanced/Invention); B67D1/00 (Advanced/Non-invention)

CPC: A47J31/0673 A47J31/3695 A47J31/4492 B65D85/8043 B67D2001/0812

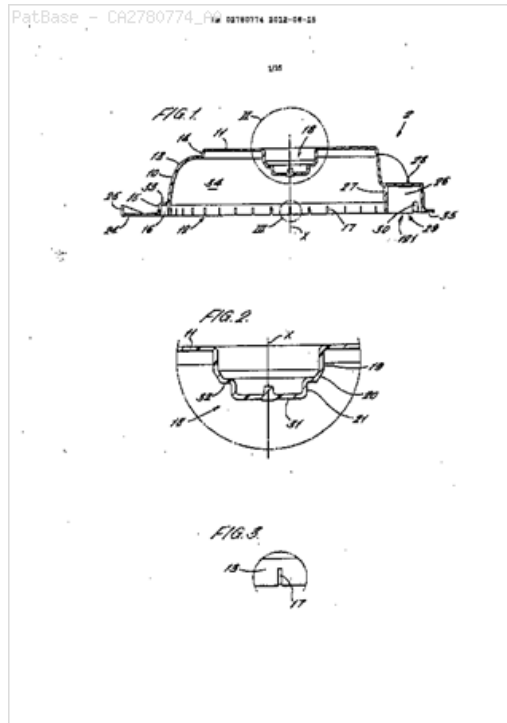
European class: A47J31/06P4B A47J31/36B4D2 A47J31/44H B65D85/804B L67D1/08A32

[Classification Explorer](#)

Forward Citations: US9877495, US9783361,

Abstract:

A method of dispensing a beverage from a cartridge containing one or more liquid beverage ingredients during an operating cycle, comprising the steps of passing an aqueous medium through the cartridge to form a beverage by dilution of said one or more beverage ingredients, and dispensing the beverage into a receptacle, wherein the one or more liquid beverage ingredients is foamed on dispense to a ratio of between 20 and 150 percent.



2) Family number: 52812015 (US2014290495A)

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Title: PIVOTALLY CLOSING BEVERAGE INGREDIENT HOLDER WITH A LOCK
Priority: EP20110173521 20110712 EP20120733751 20120712 WO2012EP63654 20120712
Family:

Publication number	Publication date	Application number	Application date
AU2012282510 AA	20130117	AU20120282510	20120712
BR112014000481 A2	20170221	BR20141100481	20120712
CA2841241 AA	20140107	CA20122841241	20120712
CN103796560 A	20140514	CN201280044123	20120712
CN103796560 B	20161019	CN201280044123	20120712
DE602012006211 D1	20150507	DE201260006211T	20120712
EP2731478 A1	20140521	EP20120733751	20120712
EP2731478 B1	20150325	EP20120733751	20120712
IN00061DN2014 A	20150102	IN2014DN00061	20140103
JP2014520619 T2	20140825	JP20140519554T	20120712
RU2014104784 A	20150820	RU20140104784	20120712
US2014290495 AA	20141002	US20120232493	20120712
US9462910 BB	20161011	US20120232493	20120712
WO13007776 A1	20130117	WO2012EP63654	20120712

Probable Assignee: NESTEC SA
Assignee(s):(std): NESTEC SA ; NESTEK SA ; PERENTES ALEXANDRE ; RYSER ANTOINE ; RYSEN ANTOINE ; BONACCI ENZO ; COLANTONIO JEAN LUC
Assignee(s): NESTEC S A
Inventor(s):(std): ALEXANDRE PERENTES ; ANTOINE RYSER ; ENZO BONACCI ; JEAN LUC COLANTONIO ; RYSEN ANTOINE ; RYSER ANTOINE ; PERENTES ALEXANDRE ; COLANTONIO JEAN LUC ; BONACCI ENZO
Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; SCHNYDER FRANK SIMON; K AND L GATES LLP; 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 CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): A47J31/06 A47J31/22 A47J31/36 A47J31/40 (Advanced/Invention)

CPC: A47J31/22 A47J31/0689

US class: 1/1 99/302C

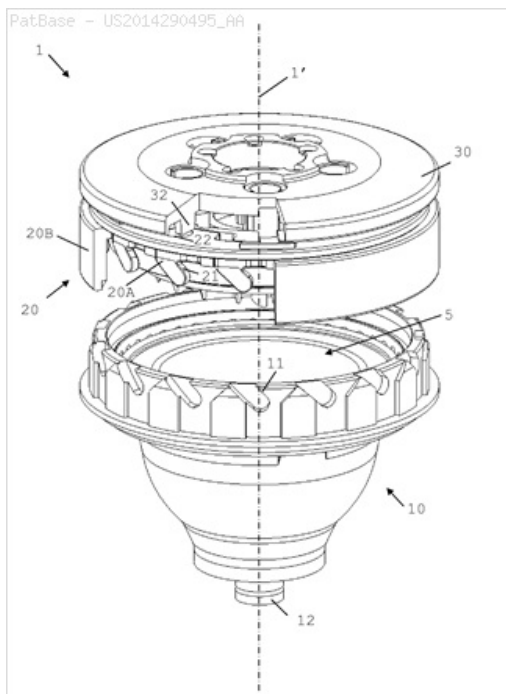
[Classification Explorer](#)

Cited documents: WO11023711 A1, WO10089329 A1, WO10066736 A1, WO10066705 A1, WO10063644 A1, WO10026053 A1, WO10026045 A1, WO09106589 A1, WO09106175 A1, WO09043630 A2, WO08148834 A1, WO08148650 A1, WO08148646 A1, WO08148601 A1, WO07135136 A1, WO05094643 A1, WO05004683 A1, US8813634 BB, US8475860 BB, US5566605 A, US2011293805 AA, US2011244099 AA, US2011217421 AA, US2010266739 AA, US2010239734 AA, EP2155020 A1, EP2152128 A1, EP2000062 A1, EP1767129 A1, CN1921787 A, CN101677707 A, CN101528098 A, CN101217904 A, CN101170935 A, CN101026979 A,

Forward Citations: WO17046294, WO14158841, US8960078,

Abstract:

A receptacle holding unit (1) for a device for preparing a beverage from an ingredient contained in a receptacle (2). A first part (10) and a second part (20) are movable between a closed position for holding said receptacle and an open position for inserting said receptacle and/or for removal therefrom. A fastening arrangement comprises a locking member (30) movable between:-a locking position for preventing relative rotational movement of the first and second engagement surfaces (11, 21) when the parts (10, 20) are in the closed position; and-an unlocking position for allowing relative rotational movement of the of the first and second engagements surfaces (11, 21) and engagement and disengagement thereof.



3) Family number: 52812016 (US2014137748A)

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Title: PIVOTALLY CLOSING BEVERAGE INGREDIENT HOLDER WITH PIERCER
Priority: EP20110173523 20110712 EP20120737253 20120712 WO2012EP63659 20120712
Family:

	Publication number	Publication date	Application number	Application date
■	AU2012282513 AA	20130117	AU20120282513	20120712
■	BR112014000482 A2	20170221	BR20141100482	20120712
■	CA2841343 AA	20140109	CA20122841343	20120712
■	CA2841343 AA	20130117	CA20122841343	20120712
■	CN103826508 A	20140528	CN201280044088	20120712
■	CN103826508 B	20161130	CN201280044088	20120712
■	DE602012044733 D1	20180426	DE201260044733T	20120712
■	EP2731479 A1	20140521	EP20120737253	20120712
■	EP2731479 B1	20180404	EP20120737253	20120712
■	IN00092DN2014 A	20150515	IN2014DN00092	20140106
■	JP2014520620 T2	20140825	JP20140519555T	20120712
■	RU2014104783 A	20150820	RU20140104783	20120712
■	US2014137748 AA	20140522	US20120232497	20120712
■	US9675202 BB	20170613	US20120232497	20120712
■	WO13007779 A1	20130117	WO2012EP63659	20120712

Probable Assignee: NESTEC SA
Assignee(s):(std): BONACCI ENZO ; CAPROTTI PARICK ; CAPROTTI PATRICK ; GUNSTONE ANDREW ; NESTEC SA ; PERENTES ALEXANDRE ; NESTEK SA
Assignee(s): NESTEC S A
Inventor(s):(std): ALEXANDRE PERENTES ; ANDREW GUNSTONE ; BONACCI ENZO ; CAPROTTI PATRICK ; ENZO BONACCI ; GUNSTONE ANDREW ; PATRICK CAPROTTI ; PERENTES ALEXANDRE ; CAPROTTI PARICK
Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; SCHNYDER FRANK SIMON; K AND L GATES LLP; 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

International class (IPC 8-9): A47J31/06 A47J31/22 A47J31/40 A47J31/44 (Advanced/Invention)

CPC: A47J31/407 A47J31/0673 A47J31/22

US class: 99/295

Cited documents:

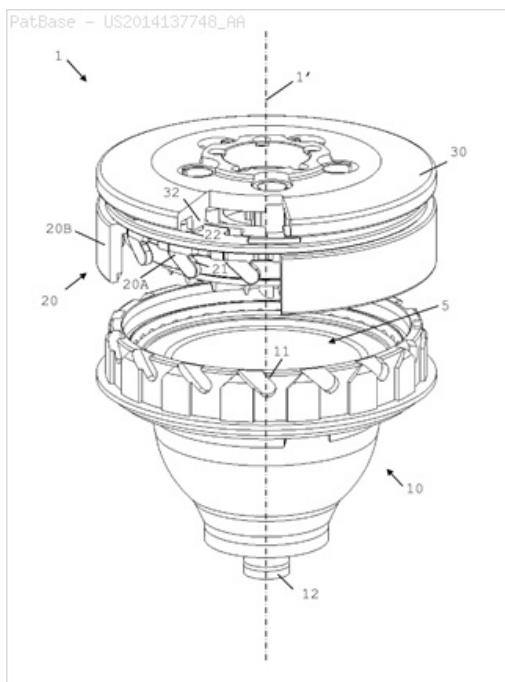
WO11023711 A1, WO11023711, WO10089329 A1, WO10089329, WO10066736 A1, WO10066736, WO10066705 A1, WO10066705 A1, WO10063644 A1, WO10063644, WO10026053 A1, WO10026053, WO10026045 A1, WO10026045, WO09106589 A1, WO09106589, WO09106175 A1, WO09106175, WO09043630 A2, WO09043630, WO08148834 A1, WO08148834, WO08148650 A1, WO08148650, WO08148646 A1, WO08148646, WO08148601 A1, WO08148601, WO07135136 A1, WO07135136, WO05004683 A1, WO05004683, US8986764 BB, US8813634 BB, US8475860 BB, US5566605 A, US5566605 A, US2011217421 AA, EP2155020 A1, EP2155020, EP2152128 A1, EP2152128, EP2000062 A1, EP2000062, EP1767129 A1, EP1767129, CN101959446 A, CN101959445 A, CN101951782 A, CN101687592 A,

Forward Citations:

WO17046294, US2015257579, US10188238,

Abstract:

A receptacle holding unit (1) for a device for preparing a beverage from an ingredient contained in a receptacle (2) comprises: -a first part (10) with a first engagement arrangement (11); -a second part (20) that has a second engagement arrangement (21) pivotally movable relative to the first engagement arrangement (11) about a longitudinal axis (1') between a closed position for holding the receptacle in such unit and an open position for inserting the receptacle into such unit and/or for removal therefrom; and -a piercing device (20C) having at least one piercing element (29) for piercing the receptacle (2), this device being assembled to and held by the second part. At least one piercing element (29) is off this axis (1') and is angularly fixed relative to the first part (10) about this axis (1') when the second engagement arrangement (21) is pivotally moved relative to the first engagement arrangement (11) about this axis (1') between the closed and open positions.

**4) Family number: 49959019** (US2013061760A)

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Title:

ERGONOMIC DISPENSER INTERFACE

Priority:

EP2010016365 20100521

EP20110724999 20110520

WO2011EP58223 20110520

Family:

Publication number	Publication date	Application number	Application date
AU2011254528 AA	20111124	AU20110254528	20110520
AU2011254528 BB	20150423	AU20110254528	20110520
BR112012029661 A2	20160802	BR20121129661	20110520
CA2800014 AA	20121120	CA20112800014	20110520
CA2800014 C	20180710	CA20112800014	20110520
CN102946775 A	20130227	CN201180030748	20110520
CN102946775 B	20151216	CN201180030748	20110520
DE602011006580 D1	20140612	DE201160006580T	20110520
EP2571409 A1	20130327	EP20110724999	20110520
EP2571409 B1	20140430	EP20110724999	20110520
ES2469372 T3	20140618	ES20110724999T	20110520
HK1183422 A1	20131227	HK20130110936	20130925
IN10003DN2012 A	20141107	IN2012DN10003	20121119
JP2013532000 T2	20130815	JP20130510630T	20110520
JP5881683 B2	20160309	JP20130510630T	20110520
PT2571409 T	20140512	PT20110724999T	20110520
RU2012155704 A	20140627	RU20120155704	20110520
RU2578990 C2	20160327	RU20120155704	20110520
US2013061760 AA	20130314	US20110698579	20110520
US9149152 BB	20151006	US20110698579	20110520
WO11144720 A1	20111124	WO2011EP58223	20110520
ZA201209691 A	20140528	ZA20120009691	20121220

Probable Assignee: NESTEC SA
Assignee(s):(std): NESTEC SA ; NESTEK S A ; NESTEK SA ; TURCHI DANIEL ; CAHEN ANTOINE
Assignee(s): NESTEC S A
Inventor(s):(std): CAHEN ANTOINE ; TURCHI DANIEL ; KAEN ANTUAN
Inventor(s): DANIEL TURCHI ; ANTOINE CAHEN
Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWALTE PARTMBB; SCHNYDER FRANK SIMON; ISERN JORGE; ZHONGZI IP; K AND L GATES LLP; 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 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 MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): A47J A47J31/00 A47J31/053 A47J31/44 A47J31/52 A47J31/56 H01H H01H25/00 H01H25/06 (Advanced/Invention); A47J31/56 H01H25/00 H01H25/06 (Advanced/Non-invention); A47J H01H (Subclass/Invention)

CPC: A47J31/4403 A47J31/56 A47J31/4407 A47J31/52 H01H25/00 H01H25/065 H01H2231/012

European class: A47J31/44A1 A47J31/52 H01H25/06B T01H231/012 T01H25/00 T01H25/06B

US class: 1/1 99/280 99/281

[Classification Explorer](#)

Cited documents: WO9950172 A1, WO9725634 A1, WO10037806 A1, WO10037806, WO10015427 A1, WO10003932 A1, WO09135869 A2, WO09135821 A1, WO09130099 A1, WO09092745 A1, WO09074559 A1, WO09074557 A1, WO09074553 A2, WO09074550 A2, WO09043630 A2, WO08138820 A1, WO08138710 A1, WO08104751 A1, WO07135136 A1, WO07111884 A2, WO07003990 A2, WO07003062 A1, WO06090183 A2, WO06063645 A1, WO05004683 A1, WO04030438 A2, WO04030435 A2, US8516372 BB, US7980422 BB, US7270050 BB, US7165488 BB, US6759072 BA, US6732634 BB, US6526872 BB, US6354341 BA, US6182555 BA, US5959869 A, US5836236 A, US5731981 A, US5685435 A, US5645230 A, US5375508 A, US5372061 A, US5335705 A, US5312020 A, US4954697 A, US4767632 A, US4554419 A, US4458735 A, US4377049 A, US3940019 A, US2737880 A, US2008006159 AA, US2007157820 AA, US2005145112 AA, US2005016385 AA, US2003157920 AA, US2002096054 AA, US2002096054, US0096054, RU233989, JP2009089791 A2, JP2009089791, JP2005038850 A2, JP2005038850, GB2397510 A1, FR2624844 A1, EP1992263 A1, EP1878368 A1, EP1867260 A1, EP1864598 A1, EP1829469 A1, EP1809151 A2, EP1772881 A1, EP1676509 A1, EP1448084 A1, EP1380243 A1, EP1253844 A1, EP1208782 A1, EP0815585 A1, DE4429353 A1, DE3219022 A1, DE20312091 U1, DE20304134 U1,

DE202006019039 U1

DE20200419 U1,

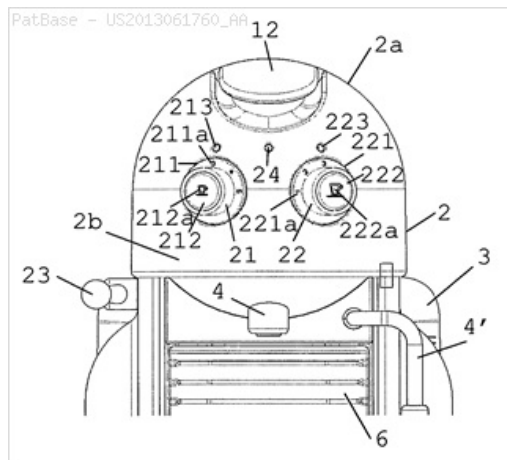
DE102007008590 A1

CN2927916 Y, CN2742899 Y, CN101300190 A, CN101262802 A, CH693016 A, CH693016, CH682798, CH0693016, CH00693016, AT410377 B,

Forward Citations: WO18046400, WO17081055, WO17067896, WO16083484, WO16005351, WO16005350, WO16005349, WO16005348, WO14109661, US9844293, US10231573, EP3166456, EP2943103, CN106793890, CN105848539,

Abstract:

A machine (1) for preparing a beverage has: a beverage preparation module for processing one or more beverage ingredients and for dispensing a beverage resulting therefrom; a unit for controlling such processing in accordance with a parameter set to a value stored in the unit; and a user-interface (20) connected to the control unit for acquiring the value from a user and storing the value in the control unit. The user-interface has a first user-selector (21) associated with a first value for the parameter and a second user-selector (22) associated with a second value for the parameter. The first and second user-selectors (21, 22) each comprises a user-actuation adjustment direction (211, 221) for shifting on user-actuation in the adjustment direction the value associated with the user-selector to a user-selected adjusted value selected from a range of values associated with the user-selector. Furthermore, each of the user-selectors comprises a user-actuation initiation direction (212, 222) for initiating on user-actuation in the initiation direction: the control unit to store the user-selected adjusted value as the stored value; and/or the processing in accordance with the parameter set to the user-selected adjusted value as said stored value.



Title: VARIABLE TRANSMISSION FOR CLOSING A RECEPTACLE HOLDER

Priority: EP20120198343 20121220 EP20130811214 20131219 WO2013EP77275 20131219

Family:

	Publication number	Publication date	Application number	Application date
	EP2934247 A1	20151028	EP20130811214	20131219
	EP2934247 B1	20180530	EP20130811214	20131219
	ES2676418 T3	20180719	ES20130811214T	20131219
	US2015327710 AA	20151119	US20130654289	20131219
	US9955813 BB	20180501	US20130654289	20131219
	WO14096122 A1	20140626	WO2013EP77275	20131219

Probable Assignee: NESTEC SA

Assignee(s):(std): NESTEC SA

Inventor(s):(std): BACHMANN MICHAEL ; SCHAI STEFAN ; STEPHAN OLIVER

Agent(s): SCHNYDER FRANK SIMON; ISERN JORGE; K AND L GATES LLP; SCHNYDER FRANK

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

International class (IPC 8-9): A47J31/22 A47J31/44 (Advanced/Invention)

CPC: A47J31/22

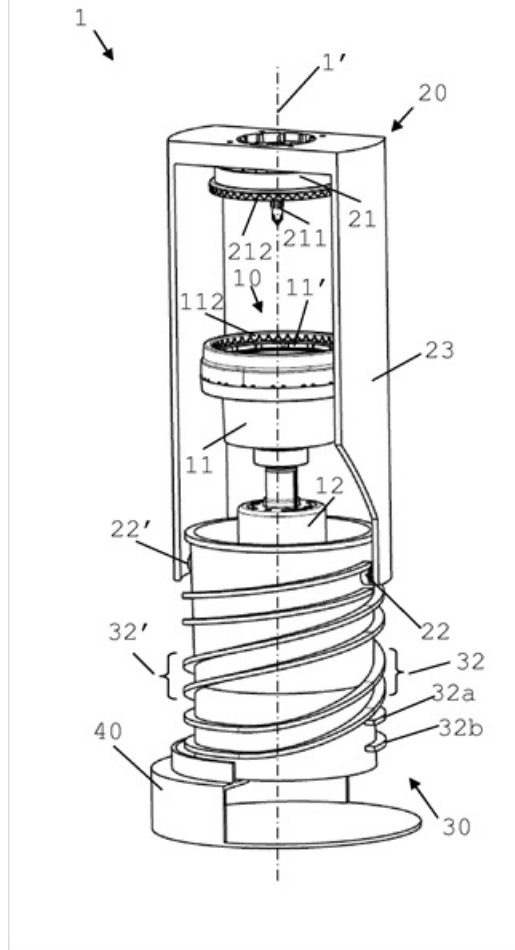
US class: 99/302C

[Classification Explorer](#)

Cited documents: WO12069986 A1, WO12069986 A1, WO12025259 A1, WO12025259, WO12025258 A1, WO12025258, WO11023711 A1, WO11023711, WO10089329 A1, WO10089329, WO10066736 A1, WO10066736, WO10066705 A1, WO10066705, WO10063644 A1, WO10063644, WO10026053 A1, WO10026053, WO10026045 A1, WO10026045, WO09106589 A1, WO09106589, WO09106175 A1, WO09106175, WO09043630 A2, WO09043630, WO08148834 A1, WO08148834 A1, WO08148650 A1, WO08148650, WO08148646 A1, WO08148646, WO08148601 A1, WO08148601, WO07135136 A1, WO07135136, WO05004683 A1, WO05004683, US6253664 BA, US5911810 A, US5875704 A, US5875704 A, US5870943 A, US5566605 A, US5566605 A, US2617352 A, US2005126398 AA, EP2155020 A1, EP2155020, EP2152128 A1, EP2152128, EP2012063660, EP2012063659, EP2012063654, EP2000062 A1, EP2000062, EP1767129 A1, EP1767129, EP12157379,

Forward Citations: WO17081055, WO17046294, WO17010878, WO16005351, WO16005350, WO16005349, WO16005348, NL2015147, EP3277136, EP3166456, EP3143912, DE102015115079, DE102015115079,

Abstract:
A receptacle holding unit (1) for a device for preparing a beverage from an ingredient contained in a receptacle comprises: a first part (10) and a second part (20) cooperating with the first part; a cavity (11') for receiving such receptacle, the cavity being delimited by at least one of the first and second parts; and a driving device (30) for relatively moving the second part towards the first part into a closed position for securing such receptacle in the cavity and relatively apart from the first part into an open position for inserting of the receptacle into the cavity. The driving device has an actuator (31) and a transmission (22, 32; 22', 32') that has a helicoidal ramp arrangement (32,32') cooperating with a connector member (22,22') for converting a translational movement into a rotational movement or vice versa. The ramp arrangement is mounted to the first part and the connector member is mounted to the second part so that, when the actuator actuates the transmission, the first and second parts are driven together or apart by the ramp arrangement cooperating with the connector member. The ramp arrangement has a first portion (321) with a smaller slope and a second portion (322) with a greater slope for adjusting a transmission speed and force between the ramp arrangement and the connector member to adjust a resulting speed and force of the first and second parts moving between their open and closed positions.

**6) Family number: 56776030** (US2015327711A)

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Title: DOUBLE RAMP FOR CLOSING A RECEPTACLE HOLDER**Priority:** EP20120198336 20121220 EP20130810952 20131219 WO2013EP77276 20131219

Family:	Publication number	Publication date	Application number	Application date
	EP2934246 A1	20151028	EP20130810952	20131219
	EP2934246 B1	20180530	EP20130810952	20131219
	ES2676459 T3	20180719	ES20130810952T	20131219
	US2015327711 AA	20151119	US20130654310	20131219
	US10010210 BB	20180703	US20130654310	20131219
	WO14096123 A1	20140626	WO2013EP77276	20131219

Probable Assignee: NESTEC SA**Assignee(s):(std):** NESTEC SA**Inventor(s):(std):** BACHMANN MICHAEL ; SCHAI STEFAN ; STEPHAN OLIVER**Agent(s):** SCHNYDER FRANK SIMON; ISERN JORGE; K AND L GATES LLP; SCHNYDER FRANK

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

International class (IPC 8-9): A47J31/22 A47J31/44 (Advanced/Invention)**CPC:** A47J31/22**US class:** 99/302C[Classification Explorer](#)

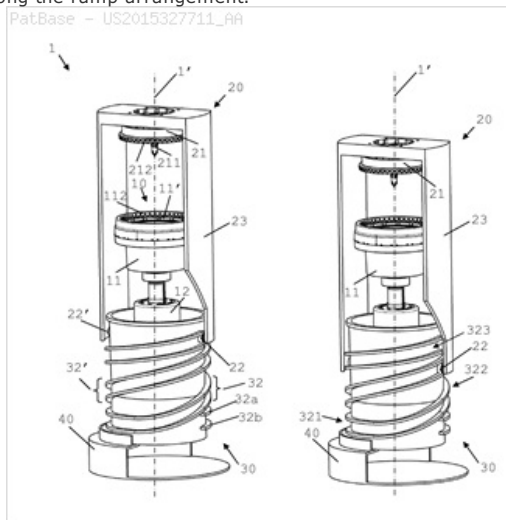
Cited documents: WO12069986 A1, WO12069986 A1, WO12025259 A1, WO12025259, WO12025258 A1, WO12025258, WO11023711 A1, WO11023711, WO10089329 A1, WO10089329, WO10066736 A1, WO10066736, WO10066705 A1, WO10066705, WO10063644 A1, WO10063644, WO10026053 A1, WO10026053, WO10026045 A1, WO10026045, WO09106589 A1, WO09106589, WO09106175 A1, WO09106175, WO09043630 A2, WO09043630, WO08148834 A1, WO08148834 A1, WO08148650 A1, WO08148650, WO08148646 A1, WO08148646, WO08148601 A1, WO08148601, WO07135136 A1, WO07135136, WO06112691 A1, WO06112691 A1, WO05004683 A1, WO05004683, US6253664 BA, US5911810 A,

US5870943 A, US5566605 A, US5566605 A, US2617352 A, US2010203198 AA, US2005126398 AA, EP2155020 A1, EP2155020, EP2152128 A1, EP2152128, EP2012063660, EP2012063659, EP2012063654, EP2000062 A1, EP2000062, EP1767129 A1, EP1767129, EP12157379,

Forward Citations: WO17081055, WO17046294, WO16005351, WO16005350, WO16005349, WO16005348, EP3277136, EP3166456, CN105852646, CN105852646,

Abstract:

A receptacle holding unit (1) for a device for preparing a beverage from an ingredient contained in a receptacle comprises: a first part (10) and a second Fig. 3a part (20) cooperating with the first part; a cavity (11') for receiving the receptacle, the cavity being delimited by at least one of the first and second parts; a driving device (30) for relatively moving the second part towards the first part into a closed position and relatively apart from the first part into an open position. The driving device comprising an actuator (31) and a transmission (22, 32; 22', 32') that has a helicoidal ramp arrangement (32,32') cooperating with a connector member (22,22') for converting a translational movement into a rotational movement or vice versa. The helicoidal ramp arrangement is mounted to the first part and the connector member is mounted to the second part so that, when the actuator actuates the transmission, the first and second parts are driven together or apart. The ramp arrangement comprises two spaced apart and generally parallel first and second ramps (32a, 32b) inbetween which the connector member relatively moves along the ramp arrangement.



7) Family number: 30905030 (US2004118871A)

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Title: PREPARING AND DISPENSING MIXED BEVERAGES

Priority: DE20021000040 20021219 DE20021060040 20021219 DE20031005881 20030213
WO2003EP12026 20031030 DE20035007437 20031030 WO2003EP14701 20031220

Family:

Publication number	Publication date	Application number	Application date
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CN1747675 A	20060315	CN200380109737	20031220
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EP1592329 A1	20051109	EP20030816034	20031220
RU2005115845 A	20060210	RU20050115845	20031030
RU2005124335 A	20060320	RU20050124335	20031220
RU2328197 C2	20080710	RU20050115845	20031030
RU2329754 C2	20080727	RU20050124335	20031220
US2004118871 AA	20040624	US20030666325	20030918
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WO04056246 A1	20040708	WO2003EP12026	20031030
WO04075702 A1	20040910	WO2003EP14701	20031220

Probable Assignee: BRAUN GMBH

Assignee(s):(std): BRAUN GMBH ; BRAUN GMBKH

Assignee(s): FONT VICENC ; CORONADO JUAN CARLOS ; REBORDOSA ANTONIO ; ROMAN JOSE LUIS

Inventor(s):(std): ANTONIO CORONADO JUAN CARLOS F ; ANTONIO REBORDOSA ; CORONADO JUAN CARLOS ; CARLOS CORONADO JUAN ; FONT VICENC ; LUIS CORONADO JUAN CARLOS FONT ; FONT VISENS ; KORONADO KHUAN KARLOS ; LUIS ROMAN JOSE ; ROMAN JOSE LUIS ; REBORDOSA ANTONIO ; ROMAN JOSE ; ROMAN KHOSE LUIS ; VICENC FONT

Inventor(s): CORONADO JUAN CARLOS FONT VICENC REBORDOSA... ; JUAN CARLOS CORONADO ; JOSE LUIS ROMAN ; CORONADO JUAN CARLOS FONT VICENC REBORDOSA ANTONIO

Agent(s): FISH AND RICHARDSON PC

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

International class (IPC 8-9): A47J31/40 B01F15/00 B01F7/00 B01F7/26 B67D5/56 B67D7/74 (Advanced/Invention);
A47J31/40 B01F15/00 B01F7/00 B01F7/26 B67D7/74 (Core/Invention)

International class (IPC 1-7): A47J31/40 A47J31/44 B01F15/00 B01F3/12 B01F7/00 B01F7/26 B67D5/56

CPC: A47J31/401 B01F7/00066 B01F7/0045 B01F7/26

European class: A47J31/40C B01F15/00B16 B01F15/00B23C B01F7/00B10C2 B01F7/00B16E B01F7/26

US class: 222/129.1 222/145.6

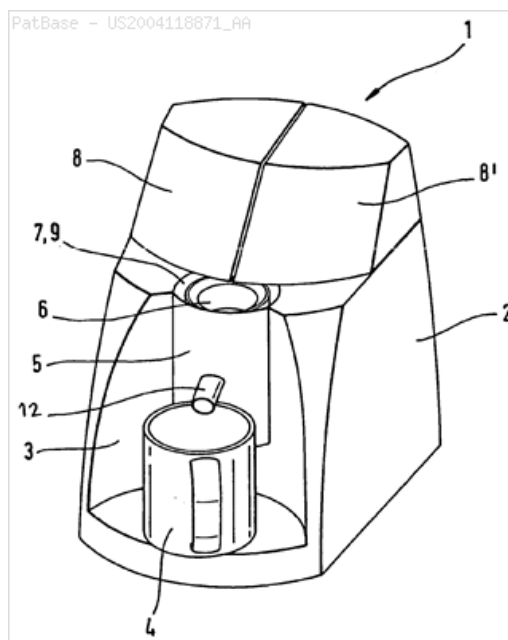
[Classification Explorer](#)

Cited documents: US7036687 BA, US6766656 BA, US5740946 A, US5497907 A, US5492054 A, US5348195 A, US4694740 A, US4676401 A, US4357861 A, US4328740 A, US4245680 A, US4191101 A, US4185927 A, US4175873 A, US3588055 A, US3266670 A, EP1210973 A1, EP1197175 A1, EP1179175 A2, EP0727165 A1, EP0201767 A2, DE69302558 T2, DE69302558, DE3838683 A1, DE2053313 A1, DE20006115 U1, DE20006115 U, DE20006115,

Forward Citations: WO17152159, WO16014729, WO15132134, WO14045114, WO14045114, WO07045949, WO06093406, WO05095259, USRE44759, US9932218, US9862537, US9725231, US9695030, US9648977, US9415992, US9260238, US9211032, US9027467, US8986766, US8960500, US8850960, US8820214, US8617627, US8579166, US8333301, US8235581, US8230778, US8147886, US7934866, US7832328, US7762180, US7748311, US7703383, US7455011, US2012006850, US2012003373, US2010162898, US2010116844, US2009324792, US2008233264, US2008166463, US2007267441, RU2622805, RU2608297, RU2575439, RU2495614, NL1028460, JP2009512477, FR2868275, EP2442677, EP2442677, EP2127568, EA11443, EA011443, DE10354708, CN104379032, CN104379032, CN103979477, CN103386264, CN102481013,

Abstract:

A beverage mixer and dispenser is disclosed. The housing of the beverage mixer and dispenser includes a mixing chamber and an extract container positioned above the mixing chamber. A metering device is positioned between the extract container and the mixing chamber to allow dispensing of a desired amount of extract from the extract container into the mixing chamber. The beverage mixer and dispenser includes a feed opening, which is exposed at an exterior surface of the housing and leads into the mixing chamber to allow for manual addition of drink additives to the mixing chamber. The beverage mixer and dispenser also includes a cream chamber. The cream chamber is adapted to receive a liquid-extract combination from the mixing chamber. A rotatable mixing rotor is positioned within the mixing chamber and a rotatable first cream rotor is located within the cream chamber to provide thorough mixing of the liquid-extract-cream combination.



8) Family number: 34722036 (US2004206245A)

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Title: MACHINE FOR THE PREPARATION OF BEVERAGES

Priority: GB20030001709 20030124 GB20030001713 20030124 GB20030001734 20030124
GB20030001735 20030124 US20030462538P 20030411 US20040763519 20040123
WO2004GB00265 20040123

Family:

Publication number	Publication date	Application number	Application date
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EP1440644 A1	20040728	EP20040250380	20040123
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US2004206245 AA	20041021	US20040763519	20040123
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WO04064582 A2	20040805	WO2004GB00265	20040123
WO04064582 A3	20050120	WO2004GB00265	20040123

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std): HALLIDAY ANDREW ; HANSEN NICK ; KRAFT FOODS R AND D ; KRAFT FOOD R AND D INC ; CARTER STEVEN ; KRAFT FOODS R AND D INC ; KRAFT FUDZ R U D INK

Assignee(s): 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): HANSEN NICK ; HALLIDAY ANDREW MICHAEL ; HALLIDAY ANDREW ; CARTER STEVER ; CARTER STEVEN ; CARTER STEVE ; CARTER STEPHEN ; KARTER STIVEN ; KHANSEN NIK ; KHOLLIDEHJ EHNDJRJU ; NICK HANSEN

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

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

International class (IPC 8-9): A47J A47J31/00 A47J31/06 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/46 A47J31/56 A47J36/12 B65D81/00 B65D85/804 E05D15/40 (Advanced/Invention); A47J31/06 A47J31/40 A47J31/44 (Advanced/Non-invention); A47J31/06 A47J31/24 A47J31/40 A47J31/44 A47J36/00 B65D81/00 B65D85/804 (Core/Invention); A47J (Subclass/Invention)

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

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

[Classification Explorer](#)

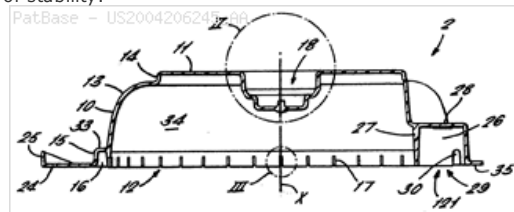
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EP2148598, EP1700548, EP1700548, DE102009030831, CN105011763, CN105011763, CN102665499,
CN102665499, CN102325484, CN102008238, CH709295, AU2012200422,

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.

**9) Family number: 34722039 (US2004180119A)**

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Title: CARTRIDGE AND METHOD FOR THE PREPARATION OF BEVERAGES Patronensystem zur Zubereitung von Getraenken und Verfahren zur Herstellung von

Priority: GB20030001739 20030124 GB20030001738 20030124 GB20030001745 20030124
US20030462538P 20030411 EP20040250364 20040123 EP20040250381 20040123
US20040763376 20040123 US20040763915 20040123 US20040763908 20040123
WO2004GB00276 20040123

Family:

Publication number	Publication date	Application number	Application date
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WO04065258 A3	20041202	WO2004GB00276	20040123

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std): GOMEZ MARIA ; HALLIDAY ANDREW ; KRAFT FOODS R AND D ; BALLARD COLIN ; KRAFT FOODS R AND D INC ; PANESAR SATWINDER ; KRAFT FOODS R AND D INC N D GES D STAATES DELAWARE ; KRAFT FUDZ R U D INK ; KRAFT FOODS R AND D INC N D GES

Assignee(s): KRAFT FOODS R AND D INC BAYERWALDSTRASSE 8 D 81737 MUNICH GERMANY ; KRAFT FOODS R AND D INC NDGESDSTAATES DELAWARE ; KRAFT FOODS R AND D INC N D GES D STAATES DELAWA ; D INC ; DOUWE EGBERTS BV KONINKLL ; KRAFT FOODS R AMP AMP

Inventor(s):(std): BALLARD COLIN DARREL ; COLIN BALLARD ; HALLIDAY ANDREW MICHAEL ; MARIA GOMEZ ; PANESAR SATWINDER SINGH ; SATWINDER PANESAR ; SATWINDER GOMEZ MARIA HALLIDAY ; PANESAR SATWINDER ; PANESAR SATVINDER ; KHOLLIDEHJ EHNDJRJ ; HALLIDAY ANDREW ; GOMEZ MARIA ; GOMES MARIA ; BOLLARD KOLIN ; BALLARD COLIN ; ANDREW HALLIDAY

Inventor(s): ANDREW MICHAEL HALLIDAY ; GOMEZ MARIA HALLIDAY ANDREW BALLARD COLIN PANESARS ; SATWINDER SINGH PANESAR ; COLIN DARREL BALLARD ; GOMEZ MARIA HALLIDAY ANDREW BALLARD COLIN ; GOMEZ MARIA HALLIDAY ANDREW BALLARD COLIN PANESARSATWINDER

Agent(s): GRIFFITH HACK; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; Thomson Neil David; THOMSON NEIL DAVID; 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

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European class: A47J31/06C A47J31/06P4B A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A1 A47J31/44A4 A47J31/44H A47J31/56 B65D81/00B3 B65D85/804B L67D1/08A32

US class: 426/112 426/112P 426/432 426/433 426/435 426/594 426/597 426/77 426/80 426/82 426/83 99/295 99/323

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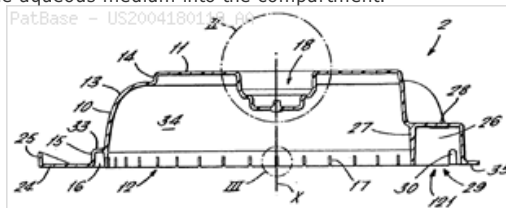
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Abstract:

A cartridge containing one or more liquid beverage ingredients and being formed from substantially air- and water-impermeable materials, the cartridge comprising an inlet for the introduction of an aqueous medium into the cartridge, a compartment containing the one or more liquid beverage ingredients and an outlet for a beverage produced by dilution of the one or more liquid beverage ingredients by the aqueous medium, characterised in that the compartment includes means for controlling dilution of at least a proportion of the one or more liquid beverage ingredients on introduction of the aqueous medium into the compartment.



10) Family number: 30501073 (US2007163446A)

© PatBase

Title:

INSERT, A MACHINE AND A SYSTEM FOR THE PREPARATION OF BEVERAGES

Priority:

GB20040003493 20040217

EP20050708301 20050211

WO2005GB00476 20050211

Family:

Publication number	Publication date	Application number	Application date
AT496563 E	20110215	AT20050708301T	20050211
AU2005215203 AA	20050901	AU20050215203	20050211
BRPI0507788 A	20070717	BR2005PI07788	20050211
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Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std): HALLIDAY ANDREW MICHAEL ; HANSEN NICHOLAS ANDREW ; KRAFT FOODS R AND D INC ; PANESAR SATWINDER SINGH ; KRAFT FUDZ R UND D INK ; BALLARD COLIN DARREL

Assignee(s): D INC ; DOUWE EGBERTS BV KONINKLL ; KRAFT FUDZ R U D INK ; KRAFT FOODS R AMP AMP ; KRAFT FOODS R AND D

Inventor(s):(std): ANDREW MICHAEL HALLIDAY ; BALLARD COLIN DARREL ; COLIN DARREL BALLARD ; HALLIDAY ANDREW M HANSEN NICHOLAS ; HALLIDAY ANDREW MICHAEL ; HANSEN NICHOLAS ANDREW ; SATWINDER SINGH PANESAR ; PANESAR SATWINDER S ; PANESAR SATWINDER SINGH ; KHOLLIDEHJ EHNDRIJ MAJL ; KHANSEN NIKOLAS EHNDRIJ ; HANSEN NICHOLAS A ; HALLIDAY ANDREW M ; BOLLARD KOLIN DARREL ; BALLARD COLIN D ; NICHOLAS ANDREW HANSEN ; PANESAR SATWINDER SINGH

Inventor(s): PANESAR SATWINDER SINGH KRAFT FOODS UK LTD ; HANSEN NICHOLAS ANDREW KRAFT FOODS UK LTD ; HALLIDAY ANDREW MICHAEL KRAFT FOODS UK LTD ; HALLIDAY ANDREW M HANSEN NICHOLAS A BALLARD COLIN ; BALLARD COLIN DARREL KRAFT FOODS UK LTD

Agent(s): GRIFFITH HACK ; MCFADDEN FINCHAM ; OSLER HOSKIN AND HARCOURT LLP ; THOMSON NEIL DAVID ; CHINA PATENT AGENT HK LTD ; FITCH EVEN TABIN AND FLANNERY

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

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International class (IPC 1-7): A47J31/06 A47J31/32 A47J31/40 A47J31/44

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European class: A47J31/06C A47J31/06P4B A47J31/32 A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44 A47J31/44H

US class: 99/279 99/279P 99/285 99/295

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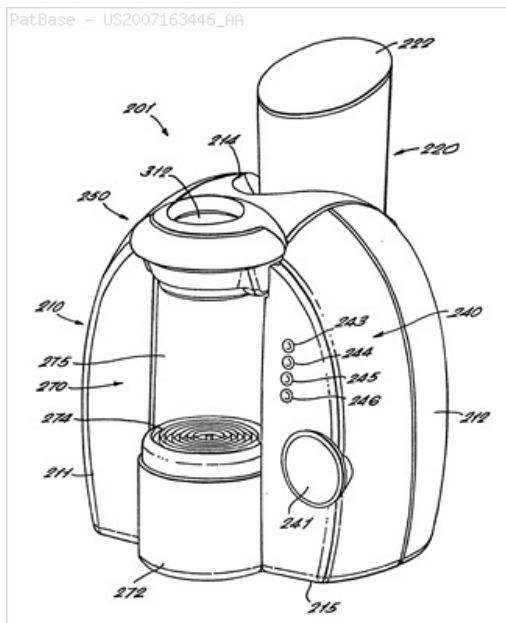
Cited documents: WO9827854 A1, WO9717006 A1, WO9516377 A1, WO9507648 A1, WO8807472 A1, WO03065859 A3, WO03065859 A2, WO03059778 A3, WO03059778 A2, WO03039309 A1, WO03026470 A2, WO0228241 A1, WO0219875 A1, WO02092439 A2, WO02087400 A1, WO02085170 A3, WO02085170 A2, WO02082962 A1, WO02074661 A1, WO02074143 A2, WO0182760 A1, WO0160220 A1, WO0160219 A1, WO0158786 A1, WO0130218 A1, WO0115582 A1, WO0042891 A1, WO0028868 A1, USD489930 S1, USD479939 S1, USD475567 S1, USD461358 S1, USD460653 S1, USD459628 S1, USD452107 S1, USD443792 S1, USD423863 S1, USD419821 S1, USD255529 S1, US6968775 BB, US6935222 BB, US6857353 BB, US6786136 BB, US6777007 BB, US6758130 BB, US6698333 BB, US6698332 BB, US6655260 BB, US6645537 BB, US6644173 BB, US6612224 BB, US6607762 BB, US6606938 BB, US6499388 BB, US6405637 BA, US6358545 BA, US6347725 BA, US6289948 BA, US6279459 BA, US6245371 BA, US6240833 BA, US6240832 BA, US6186051 BA, US6182554 BA, US6178874 B1, US6173117 B1, US6170386 B1, US6142063 A, US6117471 A, US6109168 A, US6095031 A, US6082245 A, US6068871 A, US6062127 A, US6025000 A, US6021705 A, US6009792 A, US6006653 A, US6000317 A, US5992298 A, US5974950 A, US5967021 A, US5948455 A, US5921168 A, US5899137 A, US5897899 A, US5895672 A, US5862738 A, US5858437 A, US5840189 A, US5826492 A, US5794519 A, US5776527 A, US5762987 A, US5738001 A, US5704275 A, US5649472 A, US5649412 A, US5639023 A, US5638741 A, US5638740 A, US5637335 A, US5603254 A, US5549035 A, US5531604 A, US5531152 A, US5479849 A, US5472719 A, US5463932 A, US5455887 A, US5440972 A, US5408917 A, US5398596 A, US5398595 A, US5375508 A, US5349897 A, US5347916 A, US5343799 A, US5327815 A, US5325765 A, US5303639 A, US5287797 A, US5285717 A, US5272960 A, US5265520 A, US5259295 A, US5242702 A, US5197374 A, US5186096 A, US5183998 A, US5178058 A, US5134924 A, US5111740 A, US5082676 A, US5072660 A, US5063836 A, US5014611 A, US4990352 A, US4983410 A, US4921712 A, US4920870 A, US4917005 A, US4886674 A, US4876953 A, US4875408 A, US4873915 A, US4853234 A, US4846052 A, US4838152 A, US4818544 A, US4806375 A, US4787299 A, US4775048 A, US4744291 A, US4738378 A, US4724752 A, US4653390 A, US4551611 A, US4484515 A, US4471689 A, US4452130 A, US4389191 A, US4382402 A, US3823656 A, US3790029 A, US3403617 A, US3336857 A, US3083101 A, US2899106 A, US2778739 A, US2715868 A, US2243895 A, US2004197444 AA, US2003222089 AA, US2003145736 AA, US2003056655 AA, US2003039731 AA, US2003005826 AA, US2002148357 AA, US2002148356 AA, US2002144604 AA, US2002144603 AA, US2002129712 AA, US2002124736 AA, US2002121198 AA, US2002121197 AA,

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US2002088807 AA, US2002078831 AA, US2002048621 AA, US2002023543 AA, US2002015768 AA, US2002002913 AA, US2001048957 AA, US1576735 A, NL1020835 C2, JP6511182 T2, JP2000093309, GB828529 A, GB468248 A, GB2379624 A1, GB2374856 A1, GB2374816 A1, GB2374795 A1, GB2306432 A1, GB1215840 A, FR2322796 A1, FR1537031, EP1316283 A2, EP1255685 B1, EP1208782 A1, EP1153561 A1, EP1101430 A1, EP1095605 A1, EP1090574 A1, EP1042978 A1, EP0904718 A1, EP0870457 A1, EP0862882 B1, EP0862882 A1, EP0756844 B1, EP0730425 B1, EP0638486 A1, EP0604615 B1, EP0524464 A1, EP0521510 A1, EP0469162 A1, EP0455337 A1, EP0451980 A2, EP0449533 A1, EP0334572 A1, EP0334571 A1, EP0272922 A2, EP0151252 A1, EP0057671 A2, DE20121494 U1, WO14158841, WO14014820, WO14014820, WO11000723, WO11000723, WO08046740, USD744067, USD736897, USD717399, USD717398, US9919864, US9877495, US9844293, US9801494, US9783361, US9708109, US9669992, US9272827, US9265375, US9260284, US9161654, US9114902, US9027466, US8993018, US8960078, US8936819, US8877270, US8833241, US8752575, US8740020, US8677888, US8609170, US8590753, US8468934, US8250972, US2017020328, US2016244249, US2016242456, US2016242455, US2016206133, US2016157660, US2016157659, US2016150909, US2015257586, US2014345472, US2014314926, US2014170278, US2013319034, US2013055905, US2012211521, US2012097040, US2011052766, US2011020508, US2010300299, US2010181378, US2010139496, US2010055252, US10231572, US10070751, US10046904, US10046903, RU2607315, RU2589436, KR101783519, KR101284549, KR101284257, JP5015952, JP2009520552, ITMI20120792, GB2480829, GB2480829, EP2559361, EP2157895, DE102011080092, CN106361154, CN106361154, CN105813512, CN102985324, CN102470978,

Abstract:

An insert for use in a beverage preparation machine of a type comprising a brew head suitable for receiving a rigid or semi-rigid cartridge. The brew head comprises an upwardly directed inlet for supplying water to the brew head and a downwardly directed outlet for outflow of beverage produced by the machine, the insert comprises an upper part, a lower part and sealing means, the upper and lower parts being moveable between an open configuration in which a quantity of beverage ingredients may be loaded into the insert and a closed configuration in which the upper and lower parts are sealed together by the sealing means to define therebetween a brewing volume containing. In use, the quantity of beverage ingredients, the lower part comprising an inlet and an outlet arranged to communicate respectively with the inlet and outlet of the brew head of the beverage preparation machine when the insert is inserted into the machine such that, in use, water from the inlet of the brew head passes upwardly through the inlet of the insert into the brewing volume and such that beverage produced from the water and the quantity of beverage ingredients passes downwardly through the outlet of the insert to flow out of the outlet of the brew head.



11) Family number: 30501075 (US2007175334A)

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Title: INSERT, A MACHINE AND A SYSTEM FOR THE PREPARATION OF BEVERAGES

Priority: GB20040003495 20040217 WO2005GB00468 20050211

Family:

Publication number	Publication date	Application number	Application date
AT474485 E	20100815	AT20050708293T	20050211
AU2005215201 AA	20050901	AU20050215201	20050211
BRPI0507809 A	20070710	BR2005PI07809	20050211
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US2007175334 AA	20070802	US20050589458	20050211
US8087347 BB	20120103	US20050589458	20050211
WO05079637 A1	20050901	WO2005GB00468	20050211

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std): BALLARD COLIN D ; BALLARD COLIN DARREL ; HALLIDAY ANDREW M ; HALLIDAY ANDREW MICHAEL ; HANSEN NICHOLAS A ; KRAFT FOODS R AND D INC ; HANSEN NICHOLAS ANDREW ; PANESAR SATWINDER SINGH ; PANESAR SATWINDER S ; KRAFT FUDZ R UND D INK

Assignee(s): KRAFT FUDZ R U D INK ; KRAFT FOODS R AMP AMP ; D INC ; DOUWE EGBERTS BV KONINKLL

Inventor(s):(std): ANDREW HANSEN NICHOLAS ; ANDREW MICHAEL HALLIDAY ; BALLARD COLIN DARREL ; BOLLARD KOLIN DARREL ; COLIN DARREL BALLARD ; DARREL BALLARD COLIN ; HALLIDAY ANDREW MICHAEL ; HANSEN NICHOLAS ANDREW ; KHANSEN NIKOLAS EHND RJU ; KHOLLIDEHJ EHND RJU MAJKL ; MICHAEL HALLIDAY ANDREW ; NICHOLAS ANDREW HANSEN ; PANESAR SATVINDER SINGKH ; PANESAR SATWINDER SINGH ; SATWINDER SINGH PANESAR ; SINGH HALLIDAY ANDREW MICHAEL ; SINGH PANESAR SATWINDER ; PANESAR SATWINDER S ; PANESAR SATWINDER ; HANSEN NICHOLAS A ; HANSEN NICHOLAS ; HALLIDAY ANDREW M ; HALLIDAY ANDREW ; BALLARD COLIN D ; BALLARD COLIN

Inventor(s): PANESAR SATWINDER SINGH KRAFT FOODS UK LTD ; HALLIDAY ANDREW MICHAEL HANSEN NICHOLAS ANDREW ; HALLIDAY ANDREW MICHAEL HANSEN NICHOLAS ANDREW BAL

Agent(s): GRIFFITH HACK ; MCFADDEN FINCHAM ; OSLER HOSKIN AND HARCOURT LLP ; THOMSON NEIL DAVID ; CHINA PATENT AGENT HK LTD ; FITCH EVEN TABIN AND FLANNERY

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

International class (IPC 8-9): A47J A47J31/00 A47J31/057 A47J31/06 A47J31/10 A47J31/32 A47J31/34 A47J31/40 A47J31/44 (Advanced/Invention); A23L1/00 A47J31/06 A47J31/40 (Advanced/Non-invention); A47J31/00 A47J31/04 A47J31/06 A47J31/10 A47J31/24 A47J31/40 (Core/Invention); A47J (Subclass/Invention)

International class (IPC 1-7): A47J31/06 A47J31/32 A47J31/40 A47J31/44

CPC: A47J31/4492 A47J31/4403 A47J31/0673 A47J31/08 A47J31/3695 A47J31/407 G06K19/0723

European class: A47J31/32 A47J31/40 A47J31/44 A47J31/44H

US class: 99/279 99/279P 99/285 99/295

[Classification Explorer](#)

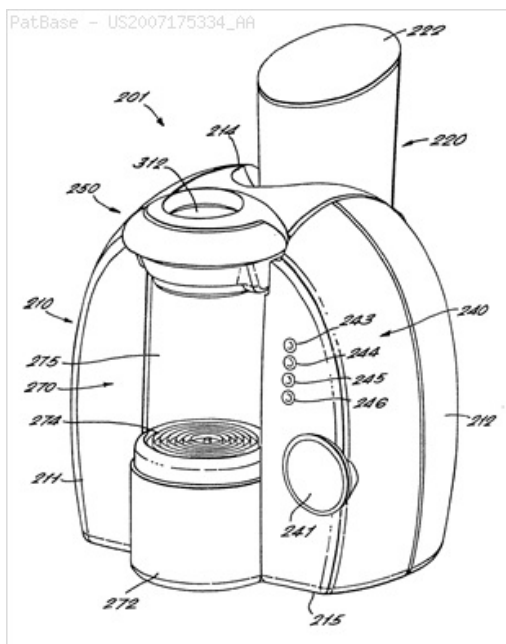
Cited documents: WO9827854 A1, WO9717006 A1, WO9516377 A1, WO9507648 A1, WO8807472 A1, WO03065859 A3, WO03065859 A2, WO03059778 A3, WO03059778 A2, WO03039309 A1, WO03026470 A2, WO0228241 A1, WO0219875 A1, WO02092439 A2, WO02087400 A1, WO02085170 A3, WO02085170 A2, WO02082962 A1, WO02074661 A1, WO02074143 A2, WO0182760 A1, WO0160220 A1, WO0160219 A1, WO0158786 A1, WO0130218 A1, WO0115582 A1, WO0042891 A1, WO0028868 A1, USD489930 S1, USD479939 S1, USD475567 S1, USD461358 S1, USD460653 S1, USD459628 S1, USD452107 S1, USD443792 S1, USD423863 S1, USD419821 S1, USD255529 S1, US6968775 BB, US6935222 BB, US6857353 BB, US6786136 BB, US6777007 BB, US6758130 BB, US6698333 BB, US6698332 BB, US6655260 BB, US6645537 BB, US6644173 BB, US6612224 BB, US6607762 BB, US6606938 BB, US6499388 BB, US6405637 BA, US6358545 BA, US6347725 BA, US6289948 BA, US6279459 BA, US6245371 BA, US6240833 BA, US6240832 BA, US6186051 BA, US6182554 BA, US6178874 B1, US6173117 B1, US6170386 B1, US6142063 A, US6117471 A, US6109168 A, US6095031 A, US6082245 A, US6068871 A, US6062127 A, US6025000 A, US6021705 A, US6009792 A, US6006653 A, US6000317 A, US5992298 A, US5974950 A, US5967021 A, US5948455 A, US5921168 A, US5899137 A, US5897899 A, US5895672 A, US5862738 A, US5858437 A, US5840189 A, US5826492 A, US5794519 A, US5794519, US5776527 A, US5762987 A, US5762987, US5738001 A, US5704275 A, US5649472 A, US5649412 A, US5639023 A, US5638741 A, US5638740 A, US5637335 A, US5603254 A, US5549035 A, US5531604 A, US5531152 A, US5479849 A, US5472719 A, US5463932 A, US5455887 A, US5440972 A, US5408917 A, US5398596 A, US5398595 A, US5375508 A, US5349897 A, US5347916 A, US5343799 A, US5327815 A, US5325765 A, US5303639 A, US5287797 A, US5285717 A, US5272960 A, US5265520 A, US5259295 A, US5242702 A, US5197374 A, US5186096 A, US5183998 A, US5178058 A, US5134924 A, US5111740 A, US5082676 A, US5072660 A, US5063836 A, US5014611 A, US4990352 A, US4921712 A, US4920870 A, US4917005 A, US4886674 A, US4876953 A, US4875408 A, US4873915 A, US4853234 A, US4846052 A, US4838152 A, US4818544 A, US4806375 A, US4787299 A, US4775048 A, US4744291 A, US4738378 A, US4724752 A, US4653390 A, US4551611 A, US4484515 A, US4471689 A, US4452130 A, US4389191 A, US4382402 A, US3823656 A, US3790029 A, US3403617 A, US3336857 A, US3083101 A, US2899106 A, US2778739 A, US2715868 A, US2243895 A, US2243895, US2004197444 AA, US2003222089 AA, US2003145736 AA, US2003056655 AA, US2003039731 AA, US2003005826 AA, US2002148357 AA, US2002148356 AA, US2002144604 AA, US2002144603 AA, US2002129712 AA, US2002124736 AA, US2002121198 AA, US2002121197 AA, US2002088807 AA, US2002078831 AA, US2002048621 AA, US2002023543 AA, US2002015768 AA, US2002002913 AA, US2001048957 AA, US1576735 A, JP6511182 T2, JP2000093309, GB828529 A, GB468248 A, GB2379624 A1, GB2374856 A1, GB2374816 A1, GB2374795 A1, GB2306432 A1, GB1215840 A, FR2322796 A1, FR1537031, EP1316283 A2, EP1255685 B1, EP1208782 A1, EP1153561 A1, EP1101430 A1, EP1095605 A1, EP1090574 A1, EP1042978 A1, EP0904718 A1, EP0870457 A1, EP0862882 B1, EP0862882 A1, EP0756844 B1, EP0730425 B1, EP0638486 A1, EP0604615 B1, EP0524464 A1, EP0521510 A1, EP0469162 A1, EP0455337 A1, EP0451980 A2, EP0449533 A1, EP0334572 A1, EP0334571 A1, EP0272922 A2, EP0151252 A1, EP0057671 A2,

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Abstract:

An insert for use in a beverage preparation machine of a type comprising a brew head suitable for receiving a rigid or semi-rigid cartridge. The brew head comprises an upwardly directed inlet for supplying water to the brew head, a downwardly directed outlet for outflow of beverage produced by the machine, and a closure mechanism moveable between open and closed configurations. The insert comprises a receptacle and sealing means, the receptacle having an opening through which, in use, a quantity of beverage ingredients may be loaded into the receptacle, a lower portion of the insert comprising an inlet and an outlet. In use, on insertion of the insert into the brew head of the beverage preparation machine and movement of the closure mechanism into the closed position the sealing means is contactable with, and sealable against, the brew head to thereby close the opening of the receptacle to define a brewing volume containing the quantity of beverage ingredients, and on inserting the insert into the brew head the inlet and outlet of the insert are arranged to communicate respectively with the inlet and outlet of the brew head such that, in use, water from the inlet of the brew head passes upwardly through the inlet of the insert into the brewing volume and such that beverage produced from the water and the quantity of beverage ingredients passes downwardly through the outlet of the insert to flow out of the outlet of the brew head.



12) Family number: 30501076 (US2007157821A)

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Title: INSERT, A MACHINE AND A SYSTEM FOR THE PREPARATION OF BEVERAGES
Priority: GB20040003496 20040217 WO2005GB00469 20050211
Family:

Publication number	Publication date	Application number	Application date
AR049470 AA	20060809	AR2005P100536	20050216
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CA2555329 C	20131029	CA20052555329	20050211
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Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std): CARTER STEVE ; KRAFT FOODS RANDD INC ; PANESAR SATWINDER SINGH ; KRAFT FUDZ R UND D INK ; KRAFT FOODS R AND D INC

Assignee(s): KRAFT FOODS RAND D INC ; KRAFT FUDZ R U D INK ; D INC ; DOUWE EGBERTS BV KONINKLL ; KRAFT FOODS R AMP AMP

Inventor(s):(std): PANESAR SATWINDER S ; PANESAR SATWINDER SINGH ; SATWINDER SINGH PANESAR ; SINGH PANESAR SATWINDER ; STEVE CARTER ; STEVE PANESAR SATWINDER SINGH ; PANESAR SATWINDER ; PANESAR SATWINDER SINGKH ; KARTER STIV ; CARTER STEPHEN ; CARTER STEVE

Inventor(s): CARTER STEVE KRAFT FOODS UK LTD ; PANESAR SATWINDER SINGH CARTER STEVE ; PANESAR SATWINDER SINGH KRAFT FOODS UK LTD

Agent(s): GRIFFITH HACK; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; VILLASECA; THOMSON NEIL DAVID; EAGLE IP LTD; CHINA PATENT AGENT HK LTD; 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 LA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8-9): A23L1/00 A47J A47J31/00 A47J31/06 A47J31/24 A47J31/34 A47J31/36 A47J31/40 A47J31/44 B65D85/80 B65D85/804 (Advanced/Invention); A47J31/06 A47J31/40 (Advanced/Non-invention); A47J31/00 A47J31/06 A47J31/24 A47J31/40 A47J31/44 B65D85/80 (Core/Invention); A47J (Subclass/Invention)

International class (IPC 1-7): A47J31/00 A47J31/06 A47J31/10 A47J31/24 A47J31/36 A47J31/40 A47J31/44 B65D85/10 B65D85/804

CPC: A47J31/4492 A47J31/0673 A47J31/3695

European class: A47J31/06P4B A47J31/24 A47J31/36 A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44H B65D85/804B

US class: 99/275 99/279 99/279P 99/295

[Classification Explorer](#)

Cited documents: WO9827854 A1, WO9717006 A1, WO9516377 A1, WO9507648 A1, WO8807472 A1, WO03065859 A3, WO03065859 A2, WO03059778 A3, WO03059778 A2, WO03039309 A1, WO03026470 A2, WO0228241 A1, WO0219875 A1, WO02092439 A2, WO02085170 A3, WO02085170 A2, WO02084700 A1, WO02082962 A1, WO02078498 A1, WO02074661 A1, WO02074143 A2, WO0182760 A1, WO0160220 A1, WO0160219 A1, WO0158786 A1, WO0130218 A1, WO0115582 A1, WO0042891 A1, WO0028868 A1, USD489930 S1, USD479939 S1, USD475567 S1, USD461358 S1, USD460653 S1, USD459628 S1, USD452107 S1, USD443792 S1, USD423863 S1, USD419821 S1, USD255529 S1, US6935222 BB, US6857353 BB, US6786136 BB, US6758130 BB, US6698333 BB, US6698332 BB, US6655260 BB, US6645537 BB, US6644173 BB, US6612224 BB, US6607762 BB, US6606938 BB, US6499388 BB, US6405637 BA, US6358545 BA, US6347725 BA, US6289948 BA, US6279459 BA, US6245371 BA, US6240833 BA, US6240832 BA, US6186051 BA, US6182554 BA, US6178874 B1, US6173117 B1, US6170386 B1, US6142063 A, US6117471 A, US6109168 A, US6095031 A, US6082245 A, US6068871 A, US6062127 A, US6025000 A, US6021705 A, US6009792 A, US6006653 A, US6000317 A, US5992298 A, US5974950 A, US5967021 A, US5948455 A, US5921168 A, US5899137 A, US5897899 A, US5895672 A, US5862738 A, US5858437 A, US5840189 A, US5826492 A, US5794519 A, US5776527 A, US5762987 A, US5762987 A, US5738001 A, US5704275 A, US5649472 A, US5649412 A, US5639023 A, US5638741 A, US5638740 A, US5637335 A, US5603254 A, US5549035 A, US5531604 A, US5531152 A, US5479849 A, US5472719 A, US5463932 A, US5455887 A, US5440972 A, US5408917 A, US5398596 A, US5398595 A, US5375508 A, US5349897 A, US5347916 A, US5343799 A, US5327815 A, US5325765 A, US5303639 A, US5287797 A, US5285717 A, US5272960 A, US5265520 A, US5259295 A, US5242702 A, US5197374 A, US5186096 A, US5183998 A, US5178058 A, US5134924 A, US5111740 A, US5082676 A, US5072660 A, US5063836 A, US5014611 A, US4990352 A, US4921712 A, US4920870 A, US4917005 A, US4886674 A, US4876953 A, US4875408 A, US4873915 A, US4853234 A, US4846052 A, US4838152 A, US4818544 A, US4806375 A, US4787299 A, US4775048 A, US4744291 A, US4738378 A, US4724752 A, US4653390 A, US4551611 A, US4484515 A, US4471689 A, US4452130 A, US4389191 A, US4382402 A, US3823656 A, US3790029 A, US3403617 A, US336857 A, US3083101 A, US2899106 A, US2778739 A, US2715868 A, US2243895 A, US2007175334 AA, US2003222089 AA, US2003145736 AA, US2003056655 AA, US2003039731 AA, US2003005826 AA, US2002148772, US2002148456 AA, US2002148358 AA, US2002148357 AA, US2002148356 AA, US2002144604 AA, US2002144603 AA, US2002129712 AA, US2002124736 AA, US2002121198 AA, US2002121197 AA, US2002088807 AA, US2002078831 AA, US2002048621 AA, US2002023543 AA, US2002015768 AA, US2002002913 AA, US2001048957 AA, US1576735 A, JP63200717 A2, JP2004525829 T2, JP2004525829, JP2003534033 T2, JP2000093309, GB828529 A, GB468248 A, GB2379624 A1, GB2374856 A1, GB2374816 A1, GB2374795 A1, GB2306432 A1, GB1215840 A, FR2322796 A1, FR1537031, EP1316283 A2, EP1255685 B1, EP1208782 A1, EP1153561 A1, EP1101430 A1, EP1095605 A1, EP1090574 A1, EP1042978 A1, EP0904718 A1, EP0870457 A1, EP0862882 B1, EP0862882 A1, EP0756844 B1, EP0730425 B1, EP0638486 A1, EP0604615 B1, EP0524464 A1, EP0521510 A1, EP0469162 A1, EP0451980 A2, EP0449533 A1, EP0445337 A1, EP0334572 A1, EP0334571 A1, EP0272922 A2, EP0151252 A1,

PT RO RS SE SI SK SM TR

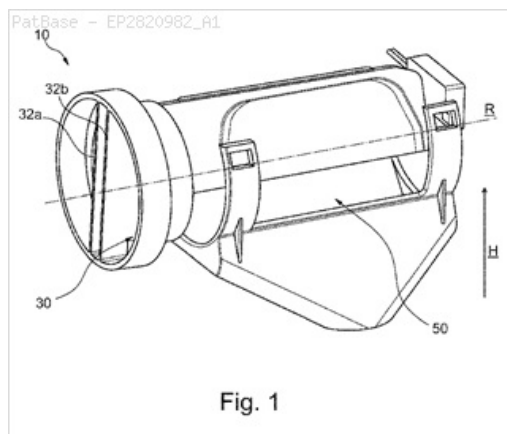
International class (IPC) A47J31/40 (Advanced/Invention)**8-9):****CPC:** A47J31/40 A47J31/404[Classification Explorer](#)**Cited documents:** WO11160938 A1, WO11160938 A1, US4955510 A, US4944510 A, US4944510 A, US2012285997 AA, US2012285997 AA, DE60209370 T2, DE29612414 U1, DE29612414 U1,

DE202010001021 U1

DE19915045 A1, DE19915045 A1,

Forward Citations: EP3135160,**Abstract:**

Source: EP2820982A1 [DE] Die vorliegende Erfindung betrifft eine Heissgetraenkezubereitungsrichtung, insbesondere Kaffeefullautomat, mit einer Brueheinheit, mit einem Gehaeuse, das sich in Richtung einer rechtwinklig zu einer durch das Gehaeuse definierten Aufstellebene erstreckenden Hochachse (H) erstreckende Umfangswaende, eine Oberseite sowie eine Unterseite umfasst, mit der Brueheinheit zugeordneten Dosiermitteln, mit einer Pulverkammer zum Dosieren einer Menge von der Brueheinheit zuzufuehrenden Pulvers, der eine Ein- und/oder Auslassoeffnung zum Befuellen bzw. Entleeren von Pulver in/aus der Pulverkammer zugeordnet ist, wobei die Dosiermittel zum Zufuehren des Pulvers in die Brueheinheit durch Griffmittel um eine winklig zur Hochachse (H) angeordnete Drehachse (R) manuell zwischen einer Befuellrotationsposition und einer Auslassrotationsposition verdrehbar ausgebildet sind. Erfindungsgemaess ist vorgesehen, dass die Dosiermittel mit Hilfe der Griffmittel entlang der Drehachse (R) zwischen einer der Befuellrotationsposition zugeordneten Befuellaxialposition zum Befuellen der Pulverkammer und einer von der Befuellaxialposition entlang der Drehachse versetzten, der Auslassrotationsposition zugeordneten Auslassaxialposition zum Auslassen von Pulver aus der Pulverkammer verstellbar sind. **Machine translation:** The present invention relates to a Heissgetraenkezubereitungsrichtung, particularly coffee machine, with a brewing unit, with a Gehaeuse that is in the direction of a perpendicular extending to a plane defined by the Gehaeuse mounting plane vertical axis comprises (H) extending Umfangswaende, a top and a bottom, with the infuser associated metering means, with a powder chamber for dispensing a quantity of the brewing unit supplied powder that is associated with an input and / or outlet port for-filling or emptying of powder into / out of the powder chamber, said metering means for feeding the powder into The infuser arranged by handle means an angle to the vertical axis (H) axis of rotation (R) are formed manually rotatable between a Befuellrotationsposition and a Auslassrotationsposition. Erfindungsgemaess is provided, that the dosing means with the aid of the gripping means along the axis of rotation (R) associated between one of the Befuellrotationsposition Befuellaxialposition for filling the powder chamber and a position offset from the Befuellaxialposition along the rotational axis, the Auslassrotationsposition associated Auslassaxialposition for discharging powder from the powder chamber can be adjusted.

**14) Family number: 34859116** (ES2262096T)

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Title: MAQUINA PARA LA PREPARACION DE BEBIDAS. MACHINE FOR THE PREPARATION OF BEVERAGES. (Machine translation)**Priority:** GB20030001713 20030124

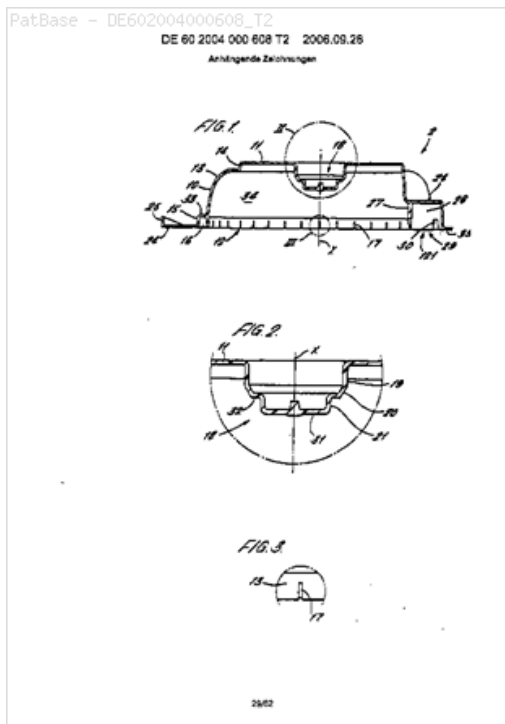
Family:	Publication number	Publication date	Application number	Application date
	AT322854 E	20060415	AT20040250380T	20040123
	DE602004000608 D1	20060524	DE200460000608T	20040123
	DE602004000608 T2	20060928	DE200460000608T	20040123
	DK1440644 T3	20060731	DK20040250380T	20040123
	ES2262096 T3	20061116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

Probable Assignee: KRAFT FOODS R AND D INC**Assignee(s):(std):** KRAFT FOODS R AND D INC**Inventor(s):(std):** HALLIDAY ANDREW ; CARTER STEVEN**International class (IPC)** A47J31/06 A47J31/36 A47J31/40 A47J31/44 A47J31/56 A47J36/12 (Advanced/Invention);**8-9):** A47J31/06 A47J31/24 A47J31/40 A47J31/44 A47J36/00 (Core/Invention)**International class (IPC)** A47J31/06 A47J31/44 A47J36/12**1-7):****CPC:** A47J31/0673 A47J31/3695 A47J31/4407 A47J31/4492 A47J31/56 A47J36/12**European class:** A47J31/06C A47J31/06P4B A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A1 A47J31/44H A47J31/56 A47J36/12[Classification Explorer](#)

Forward Citations: DE102007001609,

Abstract:

A closure mechanism for a beverage preparation machine (201) comprising a fixed lower part (255) and an upper part (256) 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 (280) operable to retain the upper part in the closed position, wherein the clamping lever comprises a first member (281) being pivotably connected at a first pivot (283) to the upper part (256) and a second member (282) having a first end pivotable about a second pivot (285), an end of the first member (281) and a second end of the second member (282) being pivotably connected together at a third pivot (286) 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.



15) Family number: 51040122 (US2013213238A)

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Title: BEVERAGE MACHINE FOR DIFFERENT SPATIAL ENVIRONMENTS
Priority: EP20100189105 20101027 CN201180051792 20111020 WO2011EP68365 20111020
EP20110772975 20111020

Family:	Publication number	Publication date	Application number	Application date
	AU2011322727 AA	20120503	AU20110322727	20111020
	AU2011322727 BB	20150416	AU20110322727	20111020
	BR112013009386 A2	20160726	BR20131109386	20111020
	CA2814323 AA	20130410	CA20112814323	20111020
	CA2814323 C	20181016	CA20112814323	20111020
	CN103200850 A	20130710	CN201180051792	20111020
	CN103200850 B	20160608	CN201180051792	20111020
	CN105747872 A	20160713	CN201610308512	20111020
	DE602011016133 D1	20150611	DE201160016133T	20111020
	EP2632311 A1	20130904	EP20110772975	20111020
	EP2632311 B1	20150429	EP20110772975	20111020
	ES2541402 T3	20150720	ES20110772975T	20111020
	IL225419 A0	20130627	IL20110225419	20111020
	IN02613DN2013 A	20141114	IN2013DN02613	20130322
	JP2013544568 T2	20131219	JP20130535375T	20111020
	KR20140001917 A	20140107	KR20137013303	20111020
	MX2013004368 A1	20130827	MX20130004368	20111020
	PT2632311 T	20150602	PT20110772975T	20111020
	RU2013124037 A	20141210	RU20130124037	20111020
	RU2571197 C2	20151220	RU20130124037	20111020
	TR201507699 T4	20150721	TR20150007699T	20111020
	US2013213238 AA	20130822	US20110882076	20111020
	US9675204 BB	20170613	US20110882076	20111020
	WO12055767 A1	20120503	WO2011EP68365	20111020
	ZA201303804 A	20141126	ZA20130003804	20130524

Probable Assignee: NESTEC SA

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

Assignee(s): NESTEC S A

Inventor(s):(std): CAHEN ANTOINE ; CAHEN ANTOIN ; KAEHN ANTUAN

Inventor(s): ANTOINE CAHEN

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; SCHNYDER FRANK SIMON; ISERN JORGE; UGUR AKTEKIN; K AND L GATES LLP; 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

International class (IPC 8-9): A47J A47J31/00 A47J31/36 A47J31/44 A47J31/46 (Advanced/Invention); A47J (Subclass/Invention)

CPC: A47J31/4403 A47J31/4485 A47J2201/00 A47J31/46

European class: A47J31/44D A47J31/46

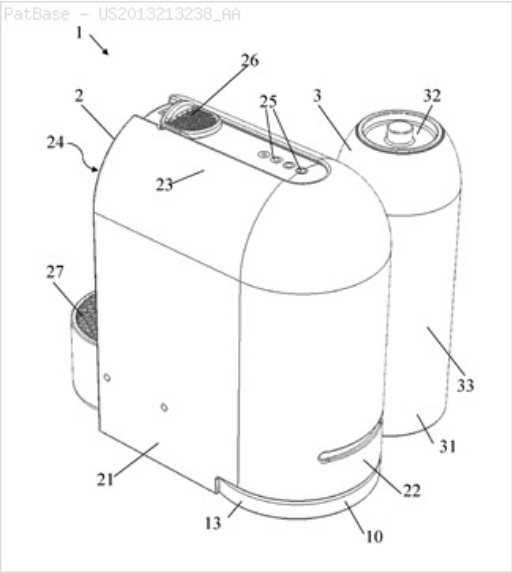
US class: 99/289R

[Classification Explorer](#)

Cited documents: WO10023313 A1, WO10023312 A1, WO10015427 A1, WO09130099 A1, WO09074553 A2, WO09074550 A2, WO09043630 A2, WO08142154 A1, WO08104751 A1, WO07111884 A2, WO07017849 A2, US7165488 BB, US7013794 BB, US5943472 A, US2008148950 AA, US2008006159 AA, US2003037680 AA, RU2331348, EP2227122 A1, EP2227121 A1, EP2222212 A2, EP2222211 A2, EP2222210 A2, EP1878368 A1, EP1867260 A1, EP1865815 A1, EP1864598 A1, EP1829469 A1, EP1809151 A2, EP1731065 A1, EP1686879 A1, EP1380243 A1, EP1267687 A1, EP1253844 A1, EP1208782 A1, DE9400834 U1, DE9400834 U, DE202009006129 U1

Forward Citations: CN1942125 A, CN101421172 A, CN101170935 A, CHWO2009130099, WO17118715, WO17081055, WO16055231, WO16005351, WO16005350, WO16005349, WO16005348, WO13104643, USD836371, USD832019, USD831398, USD830756, USD820627, US10085589, EP3277136, EP3166456, EP2802245, CN106714633,

Abstract:
A beverage preparation machine (1) comprising: a body (2) having one or more outer faces (21,22) and a beverage outlet for delivering a beverage on a beverage dispensing area (27); and a module (3) operatively connected to the body adjacent to one of said one or more outer faces. The module is movable into a plurality of different operative connection positions along said one or more outer faces of the body.



16) Family number: 60168130 (US2015238044A)

PatBase

Title: MACHINE FOR THE PREPARATION OF BEVERAGES

Priority: GB20030001702 20030124 US20030462538P 20030411 US20040763680 20040123
US20090631058 20091204 US20120399423 20120217 US20120690905 20121130
US20140165108 20140127 US20150644921 20150311

Publication number	Publication date	Application number	Application date
US2015238044 AA	20150827	US20150644921	20150311

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std): BALLARD COLIN ; HALLIDAY ANDREW ; SMITH DAVID ; PANESAR SATWINDER

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

Inventor(s):(std): SMITH DAVID ; PANESAR SATWINDER ; HALLIDAY ANDREW ; BALLARD COLIN

International class (IPC 8-9): A47J31/06 A47J31/40 A47J31/44 A47J31/56 B65D81/00 B65D85/804 (Advanced/Invention); B67D1/00 (Advanced/Non-invention)

CPC: A47J31/407 A47J31/4407 A47J31/446 A47J31/56 B67D2001/0812 B65D85/8043 A47J31/4492 B65D43/02

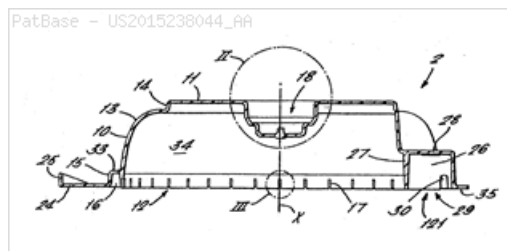
US class: 99/283

[Classification Explorer](#)

Cited documents: US7591217 BB, US6399127 BA, US6009792 A, US5649472 A, US5353692 A, US5086818 A, US4495404 A, US3878360 A, US3858494 A, US2003222089 AA, US2003167928 AA, US2003159589 AA, US2003033938 AA, US2002152895 AA,

Abstract:

A beverage preparation machine for dispensing beverages from beverage cartridges containing one or more beverage ingredients, the beverage preparation machine comprising means for receiving, in use, a beverage cartridge and means for passing water through the beverage cartridge to thereby produce a beverage, the beverage preparation machine further comprising a code reader for interpreting a code provided on or in the beverage cartridge.



17) Family number: 51102161 (CA2773078A)

© PatBase

Title: MACHINE FOR THE PREPARATION OF BEVERAGES MACHINE POUR PREPARER DES BOISSONS
Priority: GB20030001747 20030124 CA20042513891 20040123 CA20042773078 20040123
CA20122513891 20120416

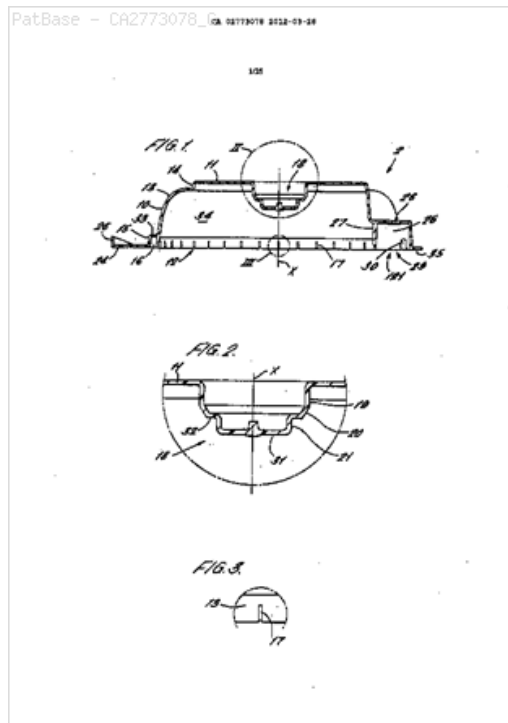
Family:	Publication number	Publication date	Application number	Application date
	CA2773078 AA	20040805	CA20042773078	20040123
	CA2773078 C	20130813	CA20042773078	20040123

Probable Assignee: KRAFT FOODS R AND D INC
Assignee(s):(std): KRAFT FOODS R AND D INC
Assignee(s): PANESAR SATWINDER ; SMITH DAVID ; BALLARD COLIN ; DOUWE EGBERTS BV KONINKLL ; HALLIDAY ANDREW
Inventor(s):(std): BALLARD COLIN ; HALLIDAY ANDREW ; PANESAR SATWINDER ; SMITH DAVID
Agent(s): MCFADDEN FINCHAM; MCFADDEN FINCHAM INC; OSLER HOSKIN AND HARCOURT LLP
International class (IPC 8-9): A47J31/06 A47J31/36 A47J31/40 A47J31/44 (Advanced/Invention)
CPC: A47J31/56 A47J31/0673 A47J31/369 A47J31/3695 A47J31/4492
European class: A47J31/06L A47J31/06P4B A47J31/36B4D A47J31/36B4D2 A47J31/44H A47J31/56

[Classification Explorer](#)

Abstract:

A low pressure beverage preparation system comprising a beverage preparation machine and a plurality of beverage cartridges, each beverage cartridge containing one or more beverage ingredients, wherein the beverage preparation machine comprises processing means and a memory for storing information about the beverage cartridges dispensed by the beverage preparation machine, wherein one or more operating parameters of the beverage preparation machine during dispensing of a second beverage cartridge are settable with reference to information stored in the memory on the type of a first beverage cartridge.

**18) Family number: 51446188** (US2013276636A)

© PatBase

Title: MODULAR BEVERAGE DISPENSING SYSTEM

Priority: EP20110150389 20110107 EP20110503892 20110107 WO2012EP50144 20120105
EP20120700014 20120105

Family:	Publication number	Publication date	Application number	Application date
	AU2012204899 AA	20120712	AU20120204899	20120105
	AU2012204899 BB	20160623	AU20120204899	20120105
	BR112013017437 A2	20160927	BR20131117437	20120105
	CA2821826 AA	20130614	CA20122821826	20120105
	CN103298383 A	20130911	CN201280004855	20120105
	EP2474254 A1	20120711	EP20110150389	20110107
	EP2661201 A1	20131113	EP20120700014	20120105
	IN05718DN2013 A	20141205	IN2013DN05718	20130625
	JP2014502901 T2	20140206	JP20130547858T	20120105
	JP5963771 B2	20160803	JP20130547858T	20120105
	RU2013136827 A	20150220	RU20130136827	20120105
	RU2583904 C2	20160510	RU20130136827	20120105
	US2013276636 AA	20131024	US20120978652	20120105
	US10178925 BB	20190115	US20120978652	20120105
	WO12093157 A1	20120712	WO2012EP50144	20120105
	ZA201305906 A	20150325	ZA20130005906	20130806

Probable Assignee: NESTEC SA**Assignee(s):(std):** NESTEC SA ; NESTEK S A ; NESTEK SA ; RITHENER BLAISE ; CAHEN ANTOINE**Assignee(s):** NESTEC S A**Inventor(s):(std):** CAHEN ANTOINE ; RITHENER BLAISE ; KAEN ANTUAN ; RITNER BLEZ**Inventor(s):** BLAISE RITHENER ; ANTOINE CAHEN**Agent(s):** SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; SCHNYDER FRANK SIMON; K AND L GATES LLP; ROSSAND ISABELLE

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

International class (IPC 8-9): A47J A47J31/40 A47J31/44 A47J31/46 A47J31/60 B67D1/07 B67D1/08 (Advanced/Invention); A47J (Subclass/Invention)

CPC: A47J31/4403 A47J31/4485 A47J31/60 A47J2201/00**European class:** A47J31/44D A47J31/60**US class:** 99/285 99/291[Classification Explorer](#)

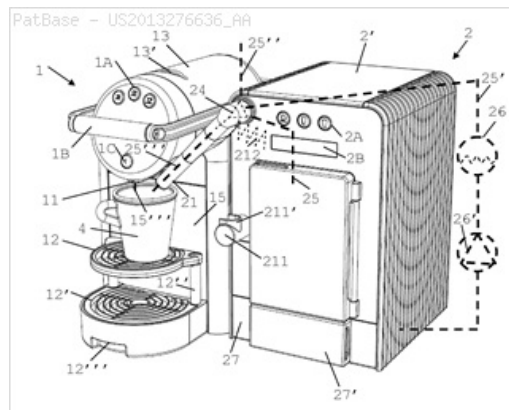
Cited documents: WO11015963 A2, WO10044116 A2, WO09130099 A1, WO09074555 A2, WO09074550 A2, WO09048187 A1, WO09043630 A2, WO07135136 A1, WO06050900 A1, WO05004683 A1, US9265379 BB, US9138095 BB,

US8770094 BB, US8403306 BB, US6293187 BA, US6095031 A, US6029622 A, US6029562 A, US5916351 A, US5628239 A, US5611262 A, US5549036 A, US5498757 A, US5473972 A, US5265520 A, US4892031 A, US4829888 A, US4757753 A, US2016000258 AA, US2013276636 AA, US2012297989 AA, US2012212508 AA, US2012125202 AA, US2012118164 AA, US2011174162 AA, US2010263547 AA, US2010263543 AA, US2010251900 AA, US2010237517 AA, US2010212508 AA, US2010162898 AA, US2010047406 AA, US2009173235 AA, US2009101021 AA, US2007243305 AA, US2007062378 AA, US2007031558 AA, US2005258186 AA, US05498757, RU2331349, KR20070117945 A, JP9028572 A2, JP2008531162 T2, JP2008531162, JP2008519621 T2, JP2008519621, JP2008194074 A2, JP2008194074, JP2007533382 T2, JP2007533382, FR2544185 A3, EP2227122 A1, EP2080459 A1, EP2070454 A1, EP2070454, EP2010068580, EP2010064773, EP2010064772, EP1878368 A1, EP1867260 A1, EP1864598 A1, EP1830683 A2, EP1809151 A2, EP1764014 A1, EP1380243 A1, EP1253844 A1, EP10175544, EP10169766, EP10169201, EP10163649, EP10152558, EP10152557, EP10152556, EP0791321 A1, EP0521397 A1, EP02080459, DE202009014114 U, CN101835414 A, CN101790337 A,

Forward Citations: WO17046230, WO16193223, USD734634, US9901207, US9844293, US2016000258, US10182679, US10178925, KR20150140306, CN107536473, CN107072436, CN106231963, CN103960973, CH713954,

Abstract:

A beverage preparation system (1,2,3) comprises:-a first machine (1) for preparing a first beverage (15'''), the first machine having a first outlet (11) for dispensing a beverage, such as coffee, onto a beverage dispensing area (12) for positioning a cup or mug (4); and-a second machine (2) for preparing and dispensing a second beverage (25''') via a second beverage outlet (21), the second machine being disconnectably connected to the first machine and separable therefrom. The first and second machines (1,2), when connected, are configurable so that the second outlet (21) is positioned or positionable adjacent to the first outlet (11) to dispense the second beverage (25''') onto the beverage dispensing area (12) and into a cup or mug (4) in position for collecting the first beverage (15''') from the first beverage outlet.

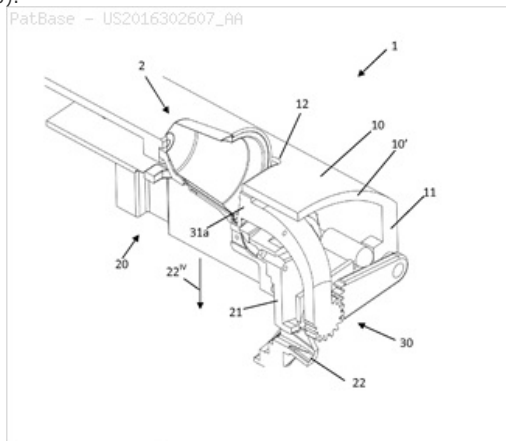


EP1767129, EP1380243 A1, EP1380243, EP13196042, EP13196041, EP13196040, EP13180166, EP13180165, EP13180164, EP1253844 A1, EP1253844, EP12197961, EP12189153, EP12187762, EP12187718, EP12187717, EP12187716, EP0512470 A1, EP0512468 A1, EP0512468, CN1984590 A, CN1371650 A, CN101389247 A,

Forward Citations: WO18046400, WO18001750, US2017233178, US10118757,

Abstract:

A machine (1) comprises: -a device (20) for handling a capsule (2); -a frame or a housing (10) covering the device (20), delimiting an opening (12) for passing a capsule (2) through the frame or housing (10) to the handling device (20) and having a curved cross-section (10') about the opening; and -a barrier means (30) comprising a member (31a; 31b) movable from a closed position for preventing such capsule (2) from passing through the opening (12) to an open position for allowing such capsule (2) to pass through the opening (12). The member (31a; 31b) is movable between its closed position and its open position along a curve (31') that is generally parallel to the curved cross-section (10') of the frame or housing (10).



20) Family number: 54332278 (US2014352545A)

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Title: BEVERAGE MACHINE WITH A REMOVABLE MODULE
Priority: EP20120151064 20120113 EP20120157651 20120301 WO2013EP50254 20130109
EP20130700281 20130109

Family:	Publication number	Publication date	Application number	Application date
	AU2013208999 AA	20130718	AU20130208999	20130109
	BR112014017169 A2	20170613	BR20141117169	20130109
	BR112014017169 A8	20170613	BR20141117169	20130109
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	PT2802245 T	20170313	PT20130700281T	20130109
	RU2014133147 A	20160310	RU20140133147	20130109
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	US2014352545 AA	20141204	US20130372042	20130109
	WO13104643 A1	20130718	WO2013EP50254	20130109

Probable Assignee: NESTEC SA
Assignee(s):(std): NESTEC SA ; NESTEK SA
Assignee(s): NESTEC SAAVENUE NESTLE 55CH-1800VEVEYCH ; BESSON FRANCOIS ; CAHEN ANTOINE ; KRISTLBAUER JURGEN ; NESTEC S A
Inventor(s):(std): ANTOINE CAHEN ; BESSON FRANCOIS ; CAHEN ANTOINE ; FRANCOIS BESSON ; JUERGEN KRISTLBAUER ; KRISTLBAUER JUERGEN ; KRISTLBAUER JURGEN
Inventor(s): KRISTLBAUER JURGENCH ; JURGEN KRISTLBAUER ; CAHEN ANTOINECH ; BESSON FRANCOISCH
Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; SCHNYDER FRANK SIMON; ISERN JORGE; PINAR ARIKAN; SCHNYDER FRANK
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC) A47J31/44 (Advanced/Invention)

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CPC: A47J2201/00 A47J31/4403

US class: 99/295

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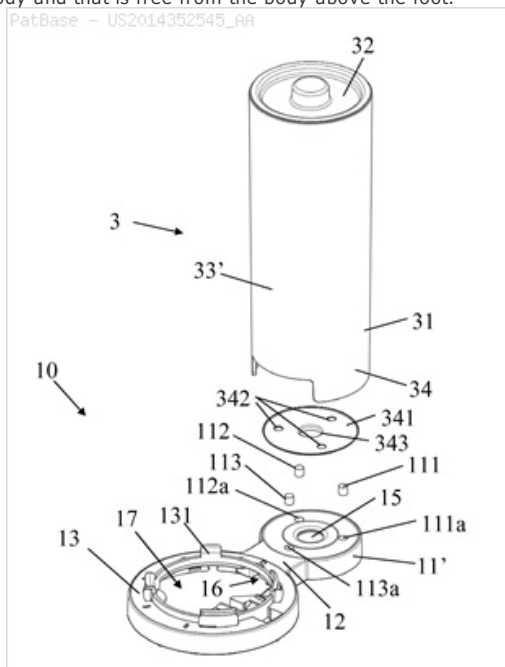
WO12055767 A1, WO12055767 A1, WO11083103 A2, WO11083103 A2, WO10023313 A1, WO10023313, WO10023312 A1, WO10023312, WO10015427 A1, WO10015427, WO09130099 A1, WO09130099, WO09074553 A2, WO09074553, WO09074550 A2, WO09074550, WO09043630 A2, WO09043630, WO09013778 A2, WO09013778 A2, WO08142154 A1, WO08142154, WO07135136 A1, WO07135136, WO07111884 A2, WO07111884, WO06122916 A1, WO06122916 A1, WO05004683 A1, WO05004683, US7165488 BB, US7165488, US5943472 A, US5943472 A, US2011023722 AA, US2009173235 AA, US2008006159 AA, US2008006159 AA, EP2227122 A1, EP2227122, EP2227121 A1, EP2227121, EP2222212 A2, EP2222212, EP2222211 A2, EP2222211, EP2222210 A2, EP2222210, EP2186455 A1, EP2186455 A1, EP1878368 A1, EP1878368 A1, EP1867260 A1, EP1867260, EP1865815 A1, EP1865815, EP1864598 A1, EP1864598, EP1829469 A1, EP1829469, EP1809151 A2, EP1809151, EP1731065 A1, EP1731065, EP1686879 A1, EP1686879, EP1380243 A1, EP1380243, EP1267687 A1, EP1267687, EP1253844 A1, EP1253844, EP1208782 A1, EP1208782, DE9400834 U1, DE9400834 U1, CN1967053 A, CN101742952 A, CN101500459 A, CN101170935 A, CH683744,

Forward Citations:

WO17081055, WO16067081, WO16005351, WO16005350, WO16005349, WO16005348, US9307860, US10085589, US10045654, KR101843713, GB2531780, GB2531780, EP3277136, EP3166456, CN105473034, CN105473034,

Abstract:

A beverage preparation machine (1) comprises:-a body (2) having a body connector (10) and a beverage outlet for dispensing a beverage over a beverage dispensing area (27); and-a module (3) having a disconnectable module connector (34) for removably connecting the module to the body via the body connector. The body connector (10) and the module connector (34), when connected, are:-fixed together by a magnetic field-generating arrangement, such as magnets (111,112,113), and a cooperating magnetic arrangement (341) so as to fasten the module to the body; and/or-fastened together only at the module connector (34) that forms a foot (34) of the module (3) and that is mounted on the body connector (10) that forms a platform of the body (2), the module having a generally upright elongated face (33,33') that is adjacent to and faces the body and that is free from the body above the foot.

**21) Family number: 31006287** (US2008187638A)

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Title:

CARTRIDGE, A MACHINE, A SYSTEM AND A METHOD FOR THE PREPARATION OF BEVERAGES

Priority:

GB20040016705	20040727	GB19410006705	20040727	CA20052574961	20050726
CA20052789731	20050726	EP20050781266	20050726	CN200580031674	20050726
WO2005US26459	20050726	US20080572617	20080123	US20120345509	20120106
CA20122574961	20120927				

Family:

Publication number	Publication date	Application number	Application date
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CA2574961 AA	20070124	CA20052574961	20050726
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US8109200 BB	20120207	US20050572617	20050726
US9561900 BB	20170207	US20120345509	20120106
WO06014936 A2	20060209	WO2005US26459	20050726
WO06014936 A3	20060511	WO2005US26459	20050726

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std): HANSEN NICK ; HENSEN NICK ; KRAFT FOODS GLOBAL BRANDS LLC ; DOUWE EGBERTS BV ; KRAFT FOODS R AND D INC ; KRAFT FOODS RANDD INC

Assignee(s): KRAFT FOODS R AND D INCTHREE PARKWAY NORTHDEERFIELDIL60015US ; D INC ; KRAFT FOODS RAND D INC ; DOUWE EGBERTS BV KONINKLL ; KRAFT FOODS R AMP AMP

Inventor(s):(std): HANSEN NICK ; HENSEN NICK ; NICK HENSEN

Inventor(s): NICK HANSEN ; HANSEN NICKGB

Agent(s): MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; FITCH EVEN TABIN AND FLANNERY; FITCH EVEN TABIN AND FLANNERY LLP

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

International class (IPC 8-9): A23F3/18 A23F5/00 A23F5/26 A23L2/00 A47J31/00 A47J31/06 A47J31/36 A47J31/40 A47J31/44 B65D81/00 B65D85/80 B65D85/804 B67D5/00 B67D99/00 (Advanced/Invention); A47J31/06 B65D81/00 (Advanced/Non-invention); A23F5/00 A47J31/00 A47J31/06 A47J31/24 A47J31/44 B65D81/00 B65D85/80 B65D85/804 B67D99/00 (Core/Invention); A47J31/06 B65D81/00 (Core/Non-invention)

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

CPC: A47J31/36 B65D85/8043 A47J31/0673 A47J31/4492 B65D2203/06 B65D2203/10

European class: A47J31/06P4B A47J31/36 A47J31/44H B65D81/00B3 B65D85/804B L65D203/06 L65D203/10

US class: 222/1 222/1S 426/431 426/431S 426/433 426/433P 426/435 426/435S 99/279 99/289.00R 99/289.00RS 99/289R 99/295 99/300 99/300S

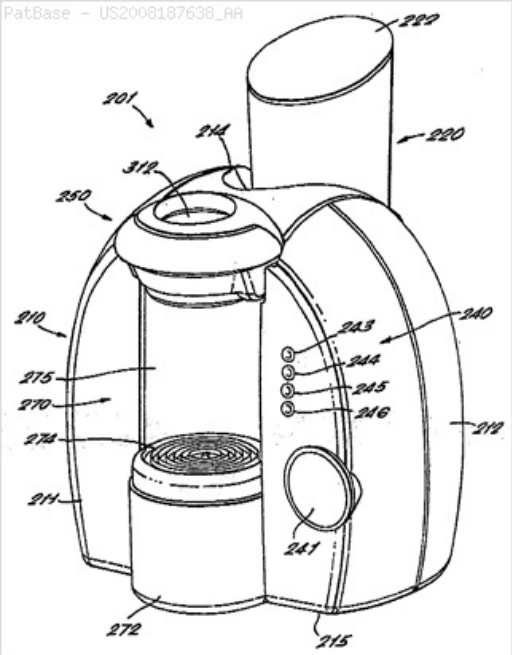
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Forward Citations: WO14029628, WO13114202, WO13114200, WO12010470, WO12010317, WO11058329, WO11023711, WO10125326, WO09018380, WO09018380, WO08071877, WO08071877, WO08034464, USD743786, USD743252, USD721248, USD703039, USD695111, USD694620, USD681387, USD681386, USD674233, USD674232, US9999315, US9980596, US9968217, US9968111, US9932168, US9930988, US9918586, US9913558, US9907431, US9877495, US9844293, US9815617, US9801495, US9783361, US9743799, US9731892, US9714136, US9668604, US9603479, US9561900, US9504348, US9481508, US9474406, US9463921, US9456712, US9439532, US9434532, US9352287, US9327900, US9277837, US9271598, US9255819, US9226611, US9167933, US9162815, US9101243, US9095236, US8986764, US8936819, US8919242, US8836956, US8813634, US8658232, US8647691, US8541042, US8535748, US8524306, US8512784, US8505440, US8479643, US8431175, US8414953, US8409646, US8399035, US8327754, US8231954, US8210097, US8114459, US8114458, US8114457, US8043645, US7964230, US7947316, US7863546, US2017174419, US2017049261, US2017020328, US2016309951, US2016244249, US2016242456, US2016242455, US2016229674, US2016152409, US2015257586, US2015230652, US2015225169, US2014340078, US2014170278, US2013052305, US2013025465, US2012295234, US2012285331, US2012211521, US2012207893, US2012097051, US2011217421, US2011183897, US2011174168, US2011113971, US2011095050, US2011041702, US2010203208, US2010203198, US2010189859, US2010186599, US2010178404, US2010173056, US10213751, US10154675, US10136754, US10117540, US10098494, US10087061, US10070751, US10046904, US10046903, US10045656, US09999315, TW1646904, RU2632398, RU2587060, RU2586983, NL2000572, KR20140035878, KR101882039, JP2015171534, JP2014506125, JP2013502954, JP2012514485, GB2475291, GB2475291, GB2475290, FR2912124, EP3023362, EP3023362, EP2957525, EP2952453, EP2888181, EP2882321, EP2424410, EP2409608, EP2236060, EP2223869, CN105996782, CN104736021, CN104736021, CN104545474, CN104114067, CN104114067, CN103536204, CN103476686, CN103476686, CN102791172, CN102595983, CN102595983, AU2013213876, AU2010288568,

Abstract:
The invention provides a beverage preparation machine comprising a brew head for receiving beverage cartridges of various heights and means for passing an aqueous medium through said beverage cartridges to form a beverage from one or more beverage ingredients contained in said cartridges. The brew head comprises a first part and a second part, the first and second parts being movable relative to one another from an open position in which said beverage cartridges can be received in the brew head and a

closed position in which said beverage cartridge can be fixedly retained in a brew head space defined between the first and second parts. The first part of the brew head comprises a clamping member which extends within the brew head space part-way towards the second part such that a distal end of the clamping member and the second part are a fixed distance from one another when the first and second parts are in the closed position. While in use, beverage cartridges of various heights may be clamped in the brew head space between the distal end of the clamping member and the second part. A beverage cartridge, a beverage preparation system and a method of preparing a single serving of a filtered beverage are also claimed.



22) Family number: 50913324 (US2012087203A)

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Title: AUTOMATED MIX IN-CUP APPARATUS AND THE METHOD OF OPERATING THE SAME
Priority: US20100901636 20101011 WO2011US54618 20111003 US20140323272 20140703
US20150595558 20150113 US20160007948 20160127 US20160209884 20160714

Family:	Publication number	Publication date	Application number	Application date
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Probable Assignee: HAMILTON BEACH BRANDS INC

Assignee(s):(std): BRANSON BENJAMIN H ; BRANSON BENJAMIN H III ; BRANSON III BENJAMIN H ; HAMILTON BEACH BRANDS INC ; HAMILTON BEACH PROCTOR SILEX ; PRYOR ERNEST B ; WILLIAMS BRIAN P

Assignee(s): HAMILTON BEACH PROCTOR SILEX INC

Inventor(s):(std): PRYOR ERNEST B ; WILLIAMS BRIAN P ; BRANSON III BENJAMIN H ; BRANSON BENJAMIN H ; BRANSON BENJAMIN H III ; GAYNOR JAMES ROBERT ; BRANSON BENJAMIN H BH ; WILLIAMS BRIAN P BP ; PRYOR ERNEST B EB ; PRYOR JR ERNEST B

Agent(s): GALLO WOLFGANG ; CHAN TANG AND KWOK ; ALEXANDER D ; TEAGUE BRIAN J

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

International class (IPC 8-9): A23G9/22 A23P1/00 A47J A47J43/044 A47J43/07 B01F11/00 B01F13/04 B01F13/10 B01F15/00 B01F7/16 B01F7/20 B01F9/00 B01F9/10 (Advanced/Invention);

A47J31/60 (Advanced/Non-invention);
A47J (Subclass/Invention)

CPC:

A47J31/60 A47J43/0705 B01F11/0054 B01F15/00032 B01F7/161 B01F13/1025 B01F7/1605 B01F7/20
B01F9/0016 B01F9/10 B01F15/00746 B01F2215/0014 B01F2215/0022 A47J43/044 B01F15/00967
B01F15/00123

European class:

B01F11/00F B01F15/00G2B B01F15/00V4 B01F7/16C2

US class:

1/1 366/138 366/138P 366/197 366/201 366/207 99/460 99/460S

[Classification Explorer](#)

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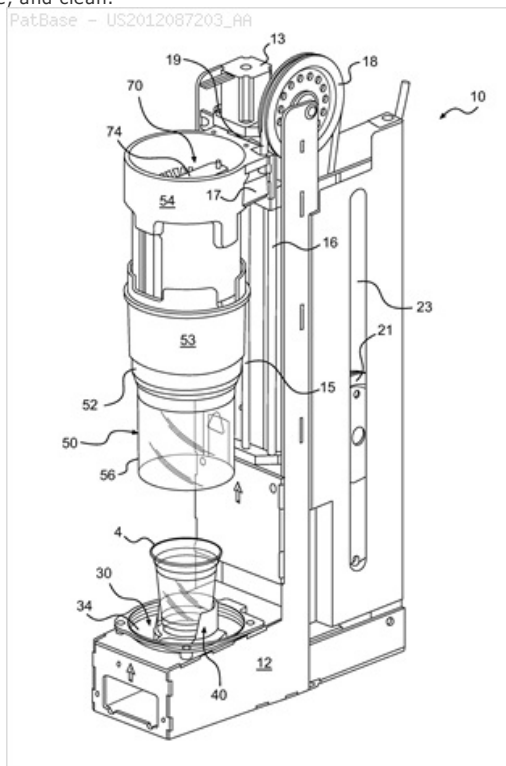
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US5460078 A, US5439289 A, US5328263 A, US5325765 A, US5242702 A, US5208050 A, US5197374 A,
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US4693611 A, US4681030 A, US4637221 A, US4548054 A, US4528824 A, US4518263 A, US4096893 A,
US3514080 A, US3505075 A, US3260190 A, US2765234 A, US2584437 A, US2552054 A, US2157683 A,
US2010323071 AA, US2010145522 AA, US2010139493 AA, US2008279040 AA, US2007193299 AA,
US2005249032 AA, US2005183426 AA, US2002044997 AA, US1977419 A, US1592788 A, CN1925775 A,
CN101137313 A,

Forward Citations:

WO18102916, WO17199182, WO16126978, WO16048835, WO16025845, WO16011103, WO15126873,
USD843162, US9993016, US9717264, US9433315, US9415358, US9307860, US9272250, US9131806,
US8960999, US2017112326, US2016316970, US2016296073, US2016262422, US2016089645,
US2015071025, US2014209131, US2014154387, US10182682, US10154758, US10045654, US10022019,
EP3253267, EP3169206,

Abstract:

The present disclosure describes an automated blend in-cup apparatus and the related method of operation. The disclosure relates generally to the field of mixing consumable material. More specifically, the disclosure relates to a mixer that is automatically operable to lower a mixing blade into a cup or vessel that contains material to be blended/mixed. A shield is automatically lowered to at least partially isolate the cup. After mixing, the shield and blade are automatically retracted, and the cup is removed from the apparatus. The shield and blade may be automatically lowered again for a cleaning operation. Use of the apparatus can be accomplished with one hand. Overall, the apparatus contains various structural and safety elements that provide a unique construction and method of operating the apparatus. The apparatus is effective, fast, easy to operate, safe, and clean.



23) Family number: 11610339 (US2005193896A)

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Title:

FOOD BLENDING APPARATUS

Priority:

GB19990004347	19990226	GB19990006650	19990324	GB19990011874	19990522
GB19990017075	19990722	GB20000000297	20000108	EP20000906516	20000228
EP20000906516	20000228	WO2000GB00715	20000228	US20010913330	20010813
US20050115345	20050427				

Family:

Publication number	Publication date	Application number	Application date
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AU200028175 A5	20000914	AU20000028175	20000228

AU763100 B2	20030710	AU20000028175	20000228
BRPI0008467 A	20020924	BR2000PI08467	20000228
CA2371999 AA	20010727	CA20002371999	20000228
DE60014862 D1	20041118	DE20006014862	20000228
EP1156735 A1	20011128	EP20000906516	20000228
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EP1510162 A3	20060607	EP20040021312	20000228
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GB9911874 A0	19990721	GB19990011874	19990522
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KR20010110447 A	20011213	KR20017010847	20000228
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Probable Assignee: MCGILL TECH LTD

Assignee(s):(std): MCGILL SHANE R ; MCGILL SHANE ROBERT ; MCGILL TECH LTD

Assignee(s): MCGILL TECHNOLOGY LIMITED ; MCGILL TECHNOLOGY LTD ; N A ; MCGILL TECHNOLOGY MCGILL TECHNOLOGY BUILDING ENDEAVOUR LTD

Inventor(s):(std): MCGILL SHANE ROBERT ; MCGILL SHANE R ; MCGILL ROBERT

Inventor(s): MCGILL SHANE ; SHANE ROBERT MCGILL

Agent(s): GRIFFITH HACK; BERESKIN AND PARR; RICHARDS BUTLER 20TH FLOOR ALEXANDRA HOUSE 16 20 CHATER ROAD HONG KONG; NIXON AND VANDERHYE PC

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

International class (IPC 8-9): A47J A47J39/00 A47J43/044 A47J43/07 A47J43/08 A47J44/00 B01F7/00 B01F7/16 B01F7/18 B01F7/20 F24C7/02 H05B6/64 H05B6/70 H05B6/72 (Advanced/Invention); A47J43/044 A47J44/00 B01F7/00 B01F7/16 B01F7/18 F24C7/02 H05B6/64 H05B6/70 H05B6/72 (Advanced/Non-invention)

International class (IPC 1-7): A23L1/00 A47J39/00 A47J43/044 A47J43/07 A47J43/08 A47J44/00 B01F7/00 B01F7/16 B01F7/18 B01F7/20 F24C7/02 H05B6/64 H05B6/70 H05B6/72

CPC: A47J39/006 A47J43/044 A47J43/0711

European class: A47J39/00B A47J43/044 A47J43/07B2

US class: 99/348 99/348P

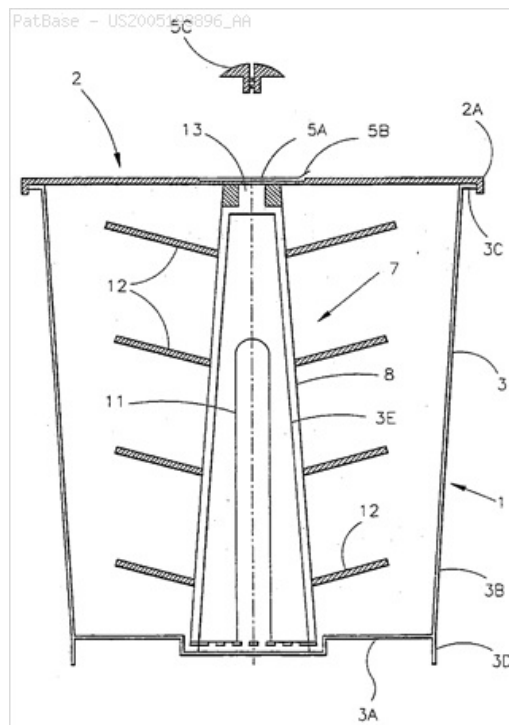
[Classification Explorer](#)

Cited documents: WO9921466 A1, US6854876 BB, US5219419 A, US4959517 A, US4904834 A, US3780536 A, US3368800 A, US2932437 A, US2858861 A, US1755813 A, US1725643 A, US1233023 A, GB2230409 A1, EP1026978 A1, EP0480857 A2, EP0156506 A1, DE8807534 U1, DE8807534 U,

Forward Citations: WO18082724, WO12060709, WO08133923, WO06043298, USD843162, US9907319, US9848738, US9833109, US9750278, US9724655, US9701530, US9675101, US9556916, US9545175, US9504974, US9433323, US9327958, US9131806, US9049966, US8960999, US8905626, US8844426, US8763515, US8721164, US8702300, US8336731, US6616323, US2017112326, US2016262422, US2015320106, US2015320105, US2015065587, US2014284408, US2014217216, US2014041748, US2012026827, US2011088568, US2011088558, US2011048246, US2010108696, US2007297282, US10182682, US10154758, US10121132, US10076124, NL2005628, KR101688886, JP2007501645, ITTV20130126, EP1802225, CN104363798, CN104105239, CN104105239, CN101799181,

Abstract:

A container is provided which is intended to blend food products, especially milkshakes, in a prefilled container taken to the point of consumption at which the product is blended and from which the product is usually consumed, the container being for disposal after use. The container has a base, a location member which extends upwards from the base and has an opening at its lower end. A rotatable blending element locates within the container over the location member to rotate relative thereto to blend the product. The blending element is driven by an external drive which releasably engages with the upper end of the blending element in use. In some embodiments the food product is delivered frozen to the point of consumption and is heated by microwave radiation prior to blending.



24) Family number: 40893356 (DE602004009718T2)

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Title: GERAET FUER DIE ZUBEREITUNG VON GETRAENKEN
Priority: GB20030001747 20030124 EP20040250390 20040123
Family:

Publication number	Publication date	Application number	Application date
AT376793 E	20071115	AT20040250390T	20040123
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DE602004009718 T2	20080828	DE200460009718T	20040123
DE602004009718 T3	20140814	DE200460009718T	20040123
DK1440640 T3	20080310	DK20040250390T	20040123
ES2295778 T3	20080416	ES20040250390T	20040123
ES2295778 T5	20140711	ES20040250390T	20040123
HK1065693 A1	20050304	HK20040108579	20041101
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HK1065693 B	20080509	HK20040108579	20041101

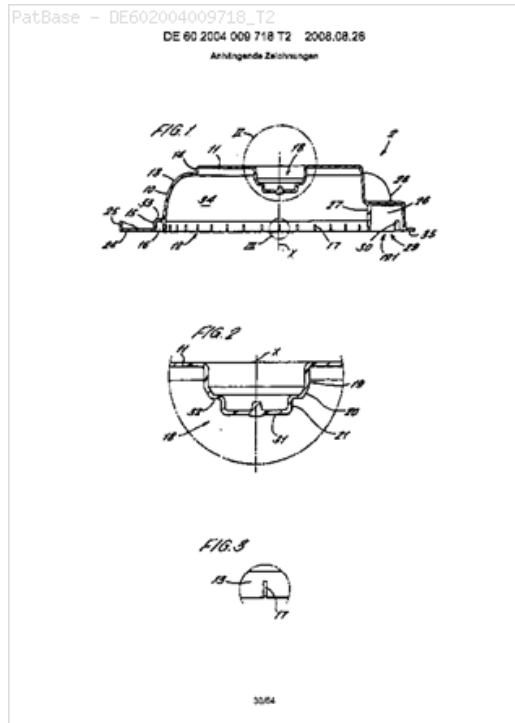
Probable Assignee: KRAFT FOODS R AND D INC
Assignee(s):(std): KRAFT FOODS R AND D INC ; KRAFT FOODS R AND D INC N D GES ; KRAFT FOODS R AND D INC N D GES D STAATES DELAWARE
Assignee(s): KRAFT FOODS R AND D INC NDGESDSTAATES DELAWARE ; KRAFT FOODS R AND D INC BAYERWALDSTRASSE 8 D 81737 MUNICH GERMANY ; KRAFT FOODS R AND D
Inventor(s):(std): SMITH DAVID ; SATWINDER PANESAR ; PANESAR SATWINDER ; HALLIDAY ANDREW ; DAVID SMITH ; COLIN BALLARD ; BALLARD COLIN ; ANDREW HALLIDAY
Agent(s): UNGRIA JAVIER; RICHARDS BUTLER 20TH FLOOR ALEXANDRA HOUSE 16 20 CHATER ROAD HONG KONG; RICHARDS BUTLER
International class (IPC 8-9): A47J A47J31/06 A47J31/36 A47J31/40 (Advanced/Invention); A47J31/06 A47J31/24 A47J31/40 (Core/Invention); A47J (Subclass/Invention)
CPC: A47J31/56 A47J31/0673 A47J31/369 A47J31/3695 A47J31/4492
European class: A47J31/06C A47J31/06L A47J31/06P4B A47J31/36B4D A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44H A47J31/56

[Classification Explorer](#)

Forward Citations: DE102017203461, DE102015113671, DE102013005870, DE102011086420, DE102011079542,

Abstract:

A low pressure beverage preparation system for automatically preparing a range of beverage types from a range of beverage cartridges, the system comprising: a beverage preparation machine (201); and a plurality of beverage cartridges (1), each beverage cartridge containing one or more beverage ingredients (200) associated with a specific beverage type, wherein the beverage preparation system comprises: a reader (252) for automatically interpreting a code (320) written on said beverage cartridge; processing means for creating a specific brewing cycle based on said code



25) Family number: 29990366 (US2002127307A)

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Title: Food blending apparatus

Priority:

GB19970022711	19971029	EP19980949158	19981027	EP20020024144	19981027
EP20050010604	19981027	US19980530325	19981027	JP20060114916	19981027
JP20000517635	19981027	JP20000517635T	19981027	WO1998GB03193	19981027
US20000530325	20000428	US20010933013	20010821	US20030727559	20031205
US20050222969	20050912	WO1998GB03193	20051103	US20060504674	20060816
US20070928736	20071030	US20070928972	20071030		

Family:	Publication number	Publication date	Application number	Application date
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	AT295699 E	20050615	AT19980024144T	19981027
	AT341267 E	20061015	AT19980010604T	19981027
	AT359734 E	20070515	AT19980020888T	19981027
	AU199895531 A1	19990517	AU19980095531	19981027
	AU736689 B2	20010802	AU19980095531	19981027
	BRPI9813162 A	20000822	BR1998PI13162	19981027
	CA2305869 AA	20000410	CA19982305869	19981027
	CN1124810 C	20031022	CN19988010719	19981027
	CN1228017 C	20051123	CN200310101335	19981027
	CN1278152 A	20001227	CN19988010719	19981027
	CN1494857 A	20040512	CN200310101335	19981027
	CN1762561 A	20060426	CN200510103799	19981027
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	DE69811107 D1	20030306	DE19986011107	19981027
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	DE69830258 D1	20050623	DE19986030258T	19981027
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EP1279359 B3	20091202	EP20020024144	19981027
EP1563779 A2	20050817	EP20050010604	19981027
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EP1563779 B1	20061004	EP20050010604	19981027
EP1637056 A2	20060322	EP20050020888	19981027
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EP1637056 B1	20070418	EP20050020888	19981027
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ES2285621 T3	20071116	ES20050020888T	19981027
GB9722711 A0	19971224	GB19970022711	19971029
HK1052283 A1	20050812	HK20030104366	20030618
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KR100665609 B1	20070110	KR20057020902	19981027
KR20010031481 A	20010416	KR20007004518	20000427
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NZ503938 A	20011026	NZ19980503938	19981027
PL188435 B1	20050131	PL19980340248	19981027
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PT1026978 T	20030630	PT19980949158T	19981027
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RU2000113221 A	20040620	RU20000113221	19981027
RU2218067 C2	20031210	RU20000113221	19981027
US2002127307 AA	20020912	US20010933013	20010821
US2004114457 AA	20040617	US20030727559	20031205
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US7758236 BB	20100720	US20070928736	20071030
US7993053 BB	20110809	US20070928972	20071030
WO9921466 A1	19990506	WO1998GB03193	19981027

Probable Assignee: MCGILL TECHNOLOGY LTD

Assignee(s):(std): MAKDZHILL SHEJN ROBERT ; MCGILL SHANE R ; MCGILL SHANE ROBERT ; MCGILL SHANE ROBERT WEST MALLI ; MCGILL TECH LTD ; MELANGEUR SHANE ROBERT ; SHANE ROBERT MELANGEUR ; SHARNE ROBERT MEIJILL ; SHANE ROBERT MCGILL

Assignee(s): MCGILL TECHNOLOGY LIMITED ; MCGILL TECHNOLOGY LTD ; MCGILL TECHNOLOGY LTD ADDINGTON ; MCGILL TECHNOLOGY MCGILL TECHNOLOGY BUILDING ENDEAVOUR PARK LTD ; MCGILL SHANE ROBERT WEST MALLING KENT

Inventor(s):(std): SR MEIJILL ; SHANE ROBERT MCGILL ; MEIJILL S R ; MCGILL TECHNOLOGY LIMITED ; MCGILL SHANE ROBERT ; MCGILL SHANE R ; MELANGEUR SHANE ROBERT ; MCGILL TECHNOLOGY LTD ; MAKDZHILL SHEJN ROBERT

Inventor(s): SHANE ROBERT MELANGEUR ; S R MEIJILL ; MCGILL SHANE

Agent(s): GRIFFITH HACK; FETHERSTONHAUGH AND CO; CHETTLE ADRIAN JOHN; WENPING AND CO ROOM 1701 TUNG WAI COMMERCIAL BUILDING 111 GLOUCESTER ROAD; LUZZATTO AND LUZZATTO; NIXON AND VANDERHUYE PC

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

International class (IPC 8-9): A23G9/04 A23G9/12 A23G9/28 A23G9/32 A23G9/50 A47J A47J31/40 A47J36/02 A47J43/042 A47J43/044 A47J43/046 A47J43/07 B01F7/00 B01F7/16 B65B3/02 B65B3/04 B65D21/02 B65D25/08 B65D51/24 B65D51/32 B65D77/20 B65D77/22 B65D81/18 B65D81/32 B65D85/72 B65D85/78 (Advanced/Invention); A47J31/40 A47J36/02 A47J43/042 A47J43/046 A47J43/07 B65D81/32 B67D5/56 B67D5/62 (Advanced/Non-invention); A23G9/32 A23G9/44 A47J43/04 B65D51/24 (Core/Invention); A47J36/02 (Core/Non-invention)

International class (IPC 1-7): A47G19/23 A47J31/40 A47J43/04 A47J43/042 A47J43/046 A47J43/07 B01F7/16 B65D21/02 B65D3/10 B65D77/20 B65D81/32 B65D85/00 B65D85/78

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European class:

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US class:

366/144 366/147 366/199 366/199P 366/199S 366/204 366/204S 366/205 366/205S 366/242 366/242S
366/249 366/251 366/251S 366/314 366/314S 366/347 366/348 426/112 426/112P 426/115 426/115S
426/393 426/393P 426/394 426/394S 426/519

[Classification Explorer](#)

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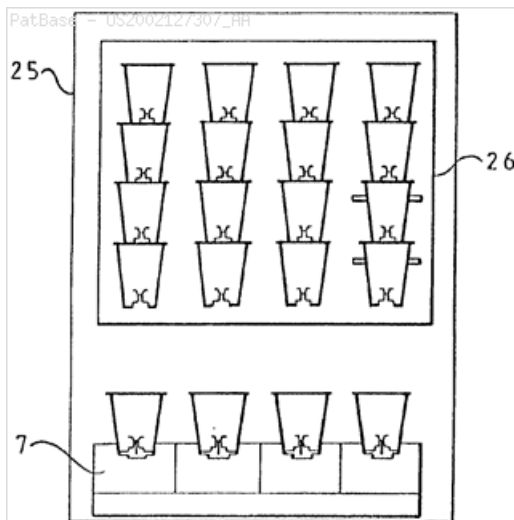
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CN103857317, CN102961031, CN102961031, CN102917624, CH701427, AU2008267854,

Abstract:

A food blending apparatus and a method of blending food within a container (30) with the object of providing a hygienic system whereby disposable containers are charged with product at a location remote from consumption. After filling with ingredients the container is sealed and then cooled. Containers include an integral blender (35) which when connected to a drive enable the product to be blended at the point of consumption after location in driving connection with the drive means. Product is accessed through a sealed opening (31) of the container after opening the seal. After consumption the container is disposed of and is constructed to make disposal economical.



Title: CARTRIDGE AND METHOD FOR THE PREPARATION OF BEVERAGES CARTOUCHE ET PROCEDE POUR PREPARER DES BOISSONS

Priority: GB20030001738 20030124 GB20030001745 20030124 GB20030001739 20030124
CA20042780774 20040123 CA20162780774 20160223

Family:	Publication number	Publication date	Application number	Application date
	CA2920245 AA	20040805	CA20042920245	20040123
	CA2920245 C	20171010	CA20042920245	20040123

Probable Assignee: KRAFT FOODS R AND D INC

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

Assignee(s): PANESAR SATWINDER ; BALLARD COLIN ; GOMEZ MARIA ; HALLIDAY ANDREW

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

Agent(s): OSLER HOSKIN AND HARCOURT LLP

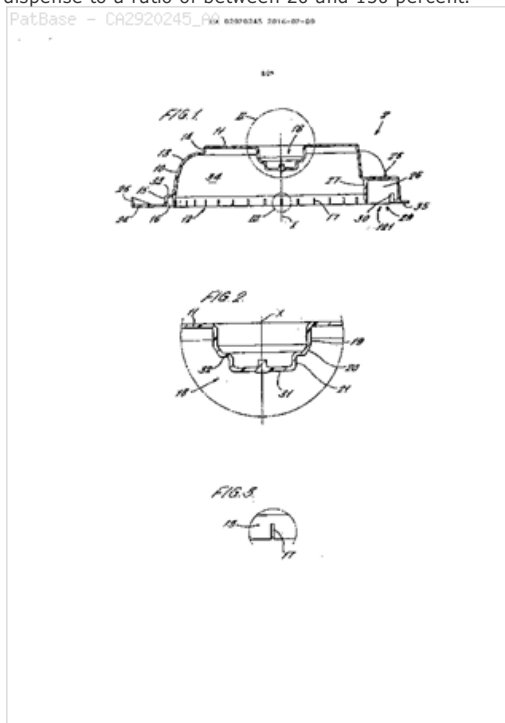
International class (IPC 8-9): A47J31/00 A47J31/06 A47J31/24 A47J31/36 A47J31/40 B65D85/42 B65D81/00 B65D85/804 (Advanced/Invention); B67D1/00 (Advanced/Non-invention)

CPC: B65D85/8043 A47J31/0673 A47J31/3695 A47J31/4492 B67D2001/0812

[Classification Explorer](#)

Abstract:

A method of dispensing a beverage from a cartridge containing one or more liquid beverage ingredients during an operating cycle, comprising the steps of passing an aqueous medium through the cartridge to form a beverage by dilution of the one or more beverage ingredients, controlling the rate of dilution of the one or more beverage ingredients, and dispensing the beverage into a receptacle, wherein the one or more liquid beverage ingredients is foamed on dispense to a ratio of between 20 and 150 percent.



Title: UN SISTEMA Y METODO PARA LA PREPARACION DE BEBIDAS. A SYSTEM AND METHOD FOR THE PREPARATION OF BEVERAGES. (Machine translation)

Priority: GB20030001738 20030124

Family:	Publication number	Publication date	Application number	Application date
	AT329855 E	20060715	AT20040250381T	20040123
	ES2266999 T3	20070301	ES20040250381T	20040123

Probable Assignee: KRAFT FOODS R AND D INC

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

Inventor(s):(std): BALLARD COLIN ; HALLIDAY ANDREW ; PANESAR SATWINDER

International class (IPC 8-9): A47J31/06 A47J31/36 A47J31/40 B65D81/00 B65D85/804 (Advanced/Invention); A47J31/06 A47J31/24 A47J31/40 B65D81/00 B65D85/804 (Core/Invention)

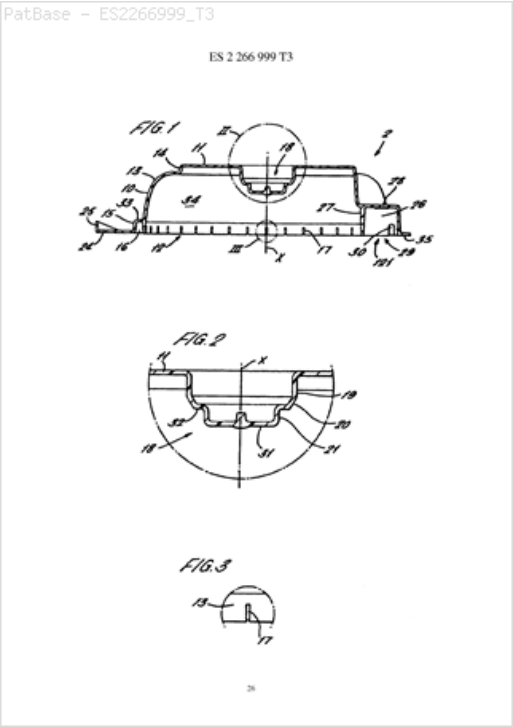
International class (IPC 1-7): A47J31/40 B65D81/00

CPC: A47J31/0673 A47J31/3695 A47J31/4492 B65D85/8043

European class: A47J31/06P4B A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44H B65D85/804B

[Classification Explorer](#)

Abstract:
A method of preparing a beverage comprising the steps of: a) inserting a first beverage cartridge (1) containing one or more beverage ingredients (200) into a beverage preparation machine (201); b) operating said beverage preparation machine to pass an aqueous medium through the first beverage cartridge to dispense a first portion of said beverage into a receptacle; c) inserting a second beverage cartridge (1) containing one or more beverage ingredients (200) into the beverage preparation machine; and d) operating the beverage preparation machine to pass an aqueous medium through the second beverage cartridge to dispense a second portion of said beverage into the receptacle; characterised in that one of the first or second beverage cartridges contains a liquid dairy-based ingredient.



28) Family number: 43916404 (GB2463350A)

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Title: IMPROVEMENTS IN OR RELATING TO BEVERAGE PREPARATION MACHINES
Priority: GB20070009585 20070518 GB20090014686 20070518
Family:

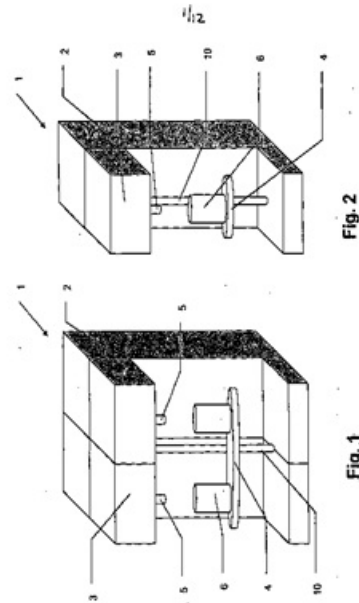
	Publication number	Publication date	Application number	Application date
■	GB200914686 A0	20090930	GB20090014686	20070518
■	GB2463350 A1	20100317	GB20090014686	20070518
■	GB2463350 A1	20100317	GB20090014686	20090821
■	GB2463350 B2	20100728	GB20090014686	20090821
■	GB2463350 B2	20100728	GB20090014686	20070518

Probable Assignee: KRAFT FOODS R AND D INC
Assignee(s):(std): KRAFT FOODS R AND D INC
Inventor(s):(std): CARR SIMON ; SAXTON PAUL ; TANNER ROGER
Inventor(s): SIMON CARR ; PAUL SAXTON ; ROGER TANNER
International class (IPC 8-9): A47J31/36 A47J31/40 A47J31/46 (Advanced/Invention); A47J31/24 A47J31/40 A47J31/44 (Core/Invention)
CPC: A47J31/46 A47J31/3633 A47J31/3638 A47J31/369 A47J31/407
European class: A47J31/36B4D A47J31/40H A47J31/46

[Classification Explorer](#)

Cited documents: EP1195121 A2,

Abstract:
The present invention provides a delivery head for a beverage preparation machine comprising a clamping member 100 and a base, wherein the clamping member is movable relative to the base. The clamping member is movable from a clamping position to an ejection position. In the clamping position the clamping member being clampable against a cartridge received in the delivery head to apply a clamping force to said cartridge. The clamping member being movable relative to the base from the clamping position to the ejection position to enable transportation and ejection of said cartridge whilst maintaining at a portion of said clamping force on said cartridge.

**29) Family number: 51107407 (US2012121764A)**

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Title: BREWED BEVERAGE APPLIANCE AND METHOD

Priority:

US20100413744P	20101115	US20110231035	20110913	US20110230954	20110913
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EP20130003982	20120626	AU20120309161	20120627	CA20122821049	20120627
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Family:

Publication number	Publication date	Application number	Application date
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WO13101302 A1	20130704	WO2012US44288	20120627

Probable Assignee: CONAIR CORP

Assignee(s):(std): CONAIR ; LAI KIN MAN ; FUNG KAM FAI ; ORENT JILL FRANCES KREUTZER ; SCHNABEL BARBARA LYNN

Assignee(s): KREUTZER ORENT JILL FRANCES ; SCHANBEL BARBARA LYNN ; CONAIR CORP ; CONAIR CORP STAMFORD ; CONAIR CORPONE CUMMINGS POINT ROADSTANFORDCT06902US ; CONAIR STAMFORD CORP

Inventor(s):(std): ORENT JILL FRANCES KREUTZER ; KREUTZER ORENT JILL FRANCES ; JILL FRANCES KREUTZER ORENT ; KAM FAI FUNG ; BARBARA LYNN SCHNABEL ; KIN MAN LAI ; FENG JINHUI ; LI JIANWEN ; ORENT JILL FRANCES ; SCHANBEL BARBARA LYNN ; FUNG KAMFAI ; LAI KINMAN ; SCHNABEL BARBARA ; ORENT JILL FRANCES KREUTZE ; SCHNABEL BARBARA LYNN BL ; LAI KIM MAN ; FUNG KAM FAI ; SCHNABEL BARBARA LYNN ; LAI KIN MAN ; ORENT JILL FRANCES KREUTZER JFK ; KREUTZER ORENT JILL FRANCES JF

Inventor(s): KREUTZER ORENT JILL FRANCES WESTPORT ; LAI KIN MANCN ; ORENT JILL FRANCES KREUTZERUS ; SCHNABEL BARBARA LYNNUS ; FUNG KAM FAICN ; KIM MAN LAI ; ORENT JILL FRANCES KREUTZER WESTPORT ; SCHNABEL BARBARA LYNN CHAPPAQUA

Agent(s): SPRUSON AND FERGUSON; SIM AND MCBURNEY; AIRD AND BERLIS IP PARTNERSHIP LTD; SIM KELTIE R; AIRD AND MCBURNEY LP; CARLOS R OLARTE GARCIA; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; MUELLER BORE AND PARTNER PATENTANWAELTE; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; PONS ANGEL; KANGXIN PARTNERS PC HONG KONG LTD; ROUSE LEGAL; YAMASAKI YUKUZO; AKAMATSU TOSHIKI; PINAR ARIKAN; MCCORMICK PAULDING AND HUBER LLP; GROGAN TUCCILLO AND VANDERLEEDEN LLP; TUCCILLO NICHOLAS

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

International class (IPC 8-9): 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)

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European class: A47J31/36A4 A47J31/42

US class: 1/1 210/455 210/455S 210/484 210/484S 426/231 426/231P 426/431 426/431S 426/433 426/433P 426/433S 426/77 426/77P 426/77S 426/78 426/78P 99/279 99/281 99/281S 99/283 99/283S 99/286 99/286S 99/289R 99/295 99/295S 99/302R 99/307

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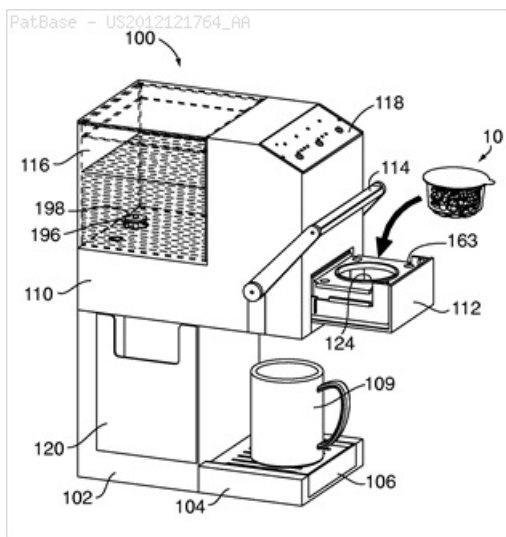
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Abstract:

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.



30) Family number: 33465470 (US2004197444A)

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Title:

MACHINE FOR THE PREPARATION OF BEVERAGES

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std): HALLIDAY ANDREW ; KRAFT FOODS R AND D ; KRAFT FOODS R AND D INC ; PANESAR SATWINDER ; SMITH DAVID ; KRAFT FUDZ R U D INK ; BALLARD COLIN

Assignee(s): D INC ; KRAFT FOODS R AMP AMP ; DOUWE EGBERTS BV KONINKLL

Inventor(s):(std): BALLARD COLIN ; BALLARD COLIN DARREL ; BOLLARD KOLIN ; ANDREW HALLIDAY ; HALLIDAY ANDREW ; DAVID HALLIDAY ANDREW BALLARD ; COLIN BALLARD ; DAVID SMITH ; PANESAR SATWINDER ; SMITH DAVID ; HALLIDAY ANDREW MICHAEL ; PANESAR SATWINDER SINGH ; SATWINDER PANESAR ; PANESAR SATVINDER ; SMIT DEHVID ; KHOLLIDEHJ EHNDRJU

Inventor(s): SATWINDER SINGH PANESAR ; HALLIDAY ANDREW BALLARD COLIN PANESAR SATWINDER SMITH DAVID ; HALLIDAY ANDREW BALLARD COLIN PANESAR SATWINDER SM ; HALLIDAY ANDREW BALLARD COLIN PANESAR ; COLIN DARREL BALLARD ; ANDREW MICHAEL HALLIDAY

Agent(s): GRIFFITH HACK ; MCFADDEN FINCHAM ; OSLER HOSKIN AND HARCOURT LLP ; BOULT WADE TENNANT ; THOMSON NEIL DAVID ; FITCH EVEN TABIN AND FLANNERY

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

International class (IPC 8-9): A47J31/06 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/56 B65D81/00 B65D85/804 (Advanced/Invention); A47J31/40 (Advanced/Non-invention); A47J31/06 A47J31/24 A47J31/40 A47J31/44 B65D81/00 B65D85/804 (Core/Invention)

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European class: A47J31/06C A47J31/06L A47J31/06P4B A47J31/36B4D A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A1 A47J31/44A4 A47J31/44H A47J31/56 B65D81/00B3 B65D85/804B

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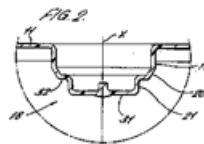
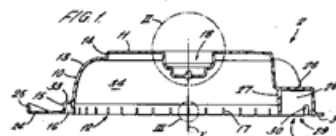
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Abstract:

A low pressure beverage preparation system for automatically preparing a range of beverage types from a range of beverage cartridges, the system comprising: a beverage preparation machine; and a plurality of beverage cartridges, each beverage cartridge containing one or more beverage ingredients associated with a specific beverage type, wherein the beverage preparation system comprises: a. means for receiving one of said plurality of beverage cartridges in said beverage preparation machine and means for supplying, in use, to said beverage cartridge an aqueous medium at a pressure of less than 2 bar to produce a beverage from the one or more beverage ingredients contained therein; b. a reader in said beverage preparation machine for automatically interpreting a code written on said beverage cartridge; c. processing means for creating a specific brewing cycle based on said code; d. means for automatically adjusting a temperature of said aqueous medium based on said code prior to supply of said aqueous medium to the beverage cartridge; e. means in at least some of said plurality of beverage cartridges for optionally, dependant on beverage type, producing foaming of the beverage; and f. a user interface for initiating an operating cycle; wherein the beverage preparation system can produce a range of beverage types including at least, but not limited to, filtered coffee, cappuccino, tea, chocolate and frothed milk, and wherein operation of the user interface is independent of the beverage type being dispensed.

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Priority:

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Probable Assignee: GREENFIELD WORLD TRADE INC

Assignee(s):(std): DANIELS THOMAS E JR ; DANIELS JR THOMAS E ; DANIELS THOMAS E ; DANIELS THOMAS ; DANIELS JR ; BEESLEY BRIAN K ; DANIELS JR THOMAS ; BACK TO BASICS PRODUCTS INC ; BACK TO BASICS PRODUCTS LLC ; DANIELS THOMAS E SANDY ; DANIELS THOMAS EJ ; THOMAS E DANIELS JR ; TED BTB PROPERTIES LTD ; THOMAS E ; TTED BTB PROPERTIES LTD

Assignee(s): WEST BEND HOUSEWARES LLC ; XTRAORDINARY HOME PRODUCTS LLC ; AMOCO HOUSEWORKS LLC ; JR DANIELS THOMAS E ; LASALLE BANK NATIONAL ASSOCIATION A NATIONAL BANKI ; FOCUS FOOD SERVICE LLC ; FOCUS PRODUCTS GROUP LLC ; JPX LLC WAS KNOWN AS JERDON PRODUCTS LLC.. ; SENSIBLE STORAGE LLC ; SHOWER SOLUTIONS LLC ; STEELTEK LLC ; FPG LLC ; FOCUS PRODUCTS GROUP INT LLC ; DANIELS THOMAS E SANDY UTAH ; LBC CREDIT PARTNERS II LP AGENT AS ; LASALLE BANK NATIONAL ASSOCIATION A NATIONAL BANKING ASSOCIATION OF US ; FOCUS PRODUCTS GROUP INT LLC F K A FPG LLC ; SJC DLF II H LLC AGENT AS ; GREENFIELD WORLD TRADE INC ; PNC BANK NATIONAL ASSOCIATION ; NORTHPORT TRS LLC COLLATERAL AGENT AS ; TCW ASSET MANAGEMENT CO LLC ; BANK OF AMERICA NA ; DANIELS THOMAS E JR 9163 CANYON GATE ROAD SANDY UT 84093 ; BANK OF AMERICA N A ; BANK OF AMERICA N A ADMINISTRATIVE AGENT AS

Inventor(s):(std): BEESLEY BRIAN K DANIELS THOMAS ; BRIAN K BEESLEY ; DANIELS JR ; DANIELS THOMAS ; THOMAS E JR DANIELS ; THOMAS DANIELS ; TED BTB PROPERTIES LTD ; JR DANIELS THOMAS E ; DANIELS THOMAS EJ ; DANIELS THOMAS E JR ; DANIELS THOMAS E ; DANIELS JR THOMAS E ; DANIELS JR THOMAS ; BEESLEY BRIAN K ; DEHNIEHLS TOMAS EH ML

Inventor(s): BEESLEY BRIAN ; BACK TO BASICS PRODUCTS INC ; DANIELS ; JR THOMAS E ; THOMAS E DANIELS JR

Agent(s): FB RICE ; FB RICE PTY LTD ; SMART AND BIGGAR ; ZHONGZI IP ROOM 1204 12 F SHANGHAI IND INVESTMENT BLDG 48 62 HENNESSY ; ZHONGZI IP ; EITAN PEARL LATZER AND COHEN ZEDEK ; HASHIMOTO MASAO ; MASUI CHUJI ; SHAMOTO ICHIO ; KOBAYASHI YASUSHI ; TOMITA HIROYUKI ; CHIBA AKIO ; THORPE NORTH AND WESTERN LLP ; THORPE NORTH AND WESTERN ; WORKMAN NYDEGER

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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

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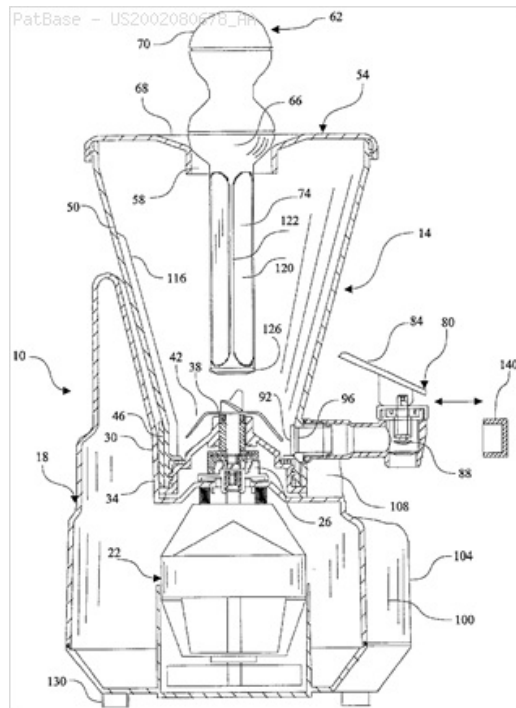
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Forward Citations:

WO13120520, WO13120518, WO12030480, WO12030480, WO11106350, WO11106350, WO11067532, WO11039224, WO11039222, WO10130929, WO10014135, WO09010663, WO09010663, WO08129221, WO08129221, WO08029076, WO08029076, WO07076243, WO07028198, WO06084055, WO06081113, WO05089335, WO05089335, WO05037036, USD842644, USD840115, USD833217, USD832038, USD811808, USD811168, USD807118, USD776494, USD771999, USD745302, USD735523, USD703392, USD682606, USD666056, USD664808, USD649834, USD649400, USD638665, USD617145, USD593359, USD588864, USD588863, USD588400, USD571144, USD564280, USD563154, USD552412, USD551915, USD551914, USD551521, USD551488, USD551017, USD550029, USD549043, USD547601, USD546614, USD543072, USD539080, USD537292, USD534394, USD529758, USD525828, USD525481, USD520808, USD504277, USD503869, USD495926, USD483607, USD474643, USD474067, USD474065, USD473421, US9943185, US9924838, US9901215, US9888705, US9867387, US9855535, US9782041, US9776792, US9770133, US9700182, US9474419, US9462914, US9414614, US9392909, US9339148, US9301654, US9282853, US9237829, US9066627, US9033269, US8973855, US8939390, US8925845, US8905628, US8844772, US8834015, US8794485, US8733239, US8701553, US8621987, US8550390, US8474369, US8469586, US8403555, US8388217, US8333213, US8210101, US8173190, US8172454, US8122821, US7958819, US7918601, US7871195, US7800022, US7673824, US7665885, US7648264, US7503745, US7441944, US7422362, US7422361, US7364348, US7350963, US7318375, US7278779, US7270156, US7238921, US7217028, US7213965, US7063009, US7040799, US6981795, US6966689, US6959562, US6935767, US2017347828, US2017273509, US2017105568, US2016345779, US2016302609, US2016007802, US2016000266, US2015312969, US2015305567, US2015282672, US2015258512, US2015147458, US2015023133, US2014374519, US2014299687, US2014269160, US2014133263, US2014113048, US2014104974, US2013248627, US2013183426, US2013140753, US2013068795, US20121205475, US2012111885, US2012026826, US2011011281, US2010284245, US2010202244, US2010154657, US2010139504, US2009129200, US2009084274, US2008271611, US2008185467, US2008089983, US2008089171, US2008089170, US2008031087, US2008000995, US2007183256, US2007169633, US2007169632, US2007165484, US2007159917, US2007144358, US2007137492, US2007092626, US2007075067, US2007065312, US2007041268, US2006203766, US2006176770, US2006176768, US2006176765, US2006153003, US2006140050, US2006120215, US2006112838, US2006102018, US2005207271, US2005207270, US2005199534, US2005185507, US2005155983, US2005126201, US2005045671, US2005018534, US2004264294, US2003129282, US2003099154, US10143323, US10123552, US10085599, US10045664, US10045663, TWI324915, RU2530835, RU2492795, RU2472400, KR200449308, KR101364333, GB2547895, FR3024668, FR2953390, FR2949050, FR2945432, FR2940033, FR2932077, FR2917590, FR2914169, FR2909852, EP3292803, EP2982278, EP2918208, EP2772162, EP2441358, EP2420314, EP2305084, EP2289378, EP2289378, EP2206455, EP2198760, EP2174575, EP2130470, EP2011424, EP2011424, EP1987747, EP1987747, EP1932458, EP1859717, EP1708598, EP1683454, EP1683454, EP1677654, EP1677654, EP1550393, EA024021, DE202010011264, DE10261371, CN106175500, CN105286663, CN104955368, CN104955368, CN104654699, CN104168806, CN103096770, CN103096769, CN103096769, CN102813457, CN102813457, CN102686132, CN102647931, CN102647931, CN102613915, CN102613915, CN102548457, CN102421341, CN102421341, CN102120180, CN102056521, CN101897552, CN101856201,

Abstract:

A beverage mixer, smoothie maker or the like includes a container with a mixing assembly disposable on a base with a motor. A lid is disposable on the container and pivotally carries a stir stick that extends through an opening in the lid. The stir stick includes a ball portion to be pivotally disposable over the opening of the lid and to cooperate with the lid to cover the opening and to allow the ball portion to pivot in the opening. A spout can be coupled to the container to dispense contents, and can align with an alignment indentation in the base. A wall with an angled upper surface can be disposed adjacent the alignment indentation to abut and guide the spout to the alignment indentation. A cup indentation can be formed in the base under the alignment indentation to receive a cup under the spout.



32) Family number: 30434489 (US2005115986A)

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Title: BEVERAGE VENDING MACHINE INSTALLATION
Priority: GB20030024454 20031020 CA20042485401 20041020 CA20042805948 20041020
 EP20040256449 20041020 CA20132485401 20130227

Family:	Publication number	Publication date	Application number	Application date
	CA2485401 AA	20050420	CA20042485401	20041020
	CA2485401 C	20130423	CA20042485401	20041020
	CA2805948 AA	20050420	CA20042805948	20041020
	CA2805948 C	20160719	CA20042805948	20041020
	DE602004049972 D1	20161103	DE200460049972T	20041020
	EP1526485 A2	20050427	EP20040256449	20041020
	EP1526485 A3	20050622	EP20040256449	20041020
	EP1526485 B1	20160921	EP20040256449	20041020
	GB200324454 A0	20031119	GB20030024454	20031020
	GB2407428 A1	20050427	GB20030024454	20031020
	GB2407428 B2	20060215	GB20030024454	20031020
	US2005115986 AA	20050602	US20040969153	20041020
	US7669740 BB	20100302	US20040969153	20041020

Probable Assignee: KRAFT FOODS R AND D INC
Assignee(s):(std): KONINKL DOUWE EGBERTS BV ; KRAFT FOODS R AND D INC ; KRAFT FOODS UK LTD ; SAUNDERS ANTHONY K ; ROGERS NEIL M ; BENTLEY ANDREW C
Assignee(s): BENTLEY ANDREW CHARLES ; DOUWE EGBERTS BV KONINKLL ; SAUNDERS ANTHONY KEVIN ; ROGERS NEIL MARTIN ; KRAFT FOODS UK LIMITED
Inventor(s):(std): BENTLEY ANDREW C ; BENTLEY ANDREW CHARLES ; ROGERS NEIL M ; ROGERS NEIL MARTIN ; SAUNDERS ANTHONY K ; SAUNDERS ANTHONY KEVIN ; SAUNERS ANTHONY KEVIN
Inventor(s): SAUNDERS ANTHONY KEVIN BLETHINGDON ; ROGERS NEIL MARTIN ALLESLEY GREEN ; BENTLEY ANDREW CHARLES BLOXHAM BANBURY ; SAUNDERS ANTHONY ; ANDREW CHARLES BENTLEY ; ANTHONY KEVIN SAUNDERS ; BENTLEY ANDREW ; NEIL MARTIN ROGERS ; ROGERS NEIL
Agent(s): MCFADDEN FINCHAM; MCFADDEN FINCHAM INC; OSLER HOSKIN AND HARCOURT LLP; BOULT WADE TENNANT; KRAFT / FETF; KRAFT FETF; FITCH EVEN TABIN AND FLANNERY
Designated states: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR
International class (IPC 8-9): A47J31/00 B67D5/56 G07F11/44 G07F13/00 G07F13/06 G07F13/10 G07F9/00 G07F9/02 G07F9/10 (Advanced/Invention); G07F11/02 G07F13/06 G07F9/10 (Core/Invention)
International class (IPC 1-7): A47J31/00 B65G59/00 B65H3/44 B67D5/56 G07F11/00 G07F13/00 G07F13/10
CPC: G07F13/065 G07F9/10 G07F11/44 A47J31/00
European class: A47J31/00 G07F11/44 G07F13/06B G07F9/10
US class: 141/231 222/129.1 222/146.6 222/608 296/22 296/24.36 312/249.9 312/308 312/350 700/243 D20/1 D20/4

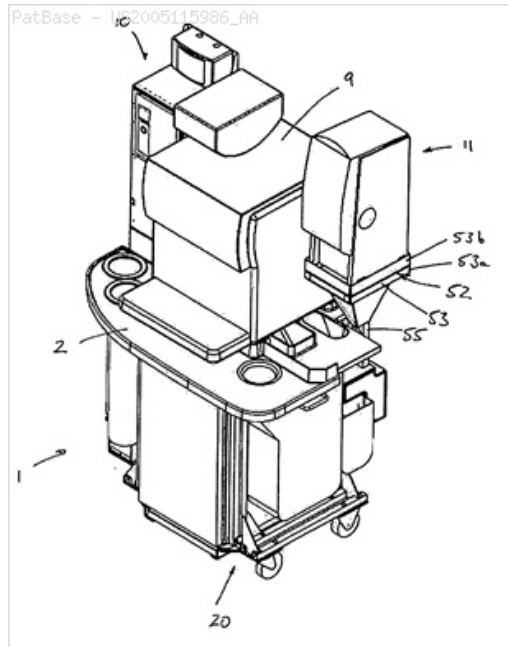
[Classification Explorer](#)

Cited documents: WO8304447 A1, WO8304447 A1, WO0212112 A2, US876335 A, US6564974 BA, US6453955 BA, US6135009 A, US6116460 A, US6062277 A, US5997236 A, US5997236 A, US5860714 A, US5285718 A, US5064097 A, US5042689 A, US4911332 A, US4211342 A, US4211342 A, US3949902 A, US3837300 A, US2941856 A, US2914218 A, US2182116 A, US2002161653 AA, US2002161653 AA, US2002141653, SU822113 T, SU822112 T, GB2407428 A1, GB2163727 A1, EP1526485 A3, EP1526485 A2, EP0596634 B1, EP0596634 A1,

Forward Citations: WO11048532, US9751447, US9688179, US9352679, US9321387, US7669740, US2014354000, US2014239020, US2008087720, US10231471, US10112522, US10078934, RU2672939, RU2568312, KR101234677, ITFI20090225, EP2061012, EP1998297, EP1998297, EP1981006, EP1981006, EP1832210, CN102713984, AU2010309467,

Abstract:

A beverage vending machine installation comprising a cabinet and a trolley unit, the cabinet defining a void in which, in use, the trolley unit can be positioned. The cabinet has an opening and at least one door moveable between open and closed positions. A trolley unit comprises at least one beverage vending machine. The trolley unit is moveable relative to the cabinet between an installed position and an uninstalled position. In the installed position the trolley unit is positioned within the void of the cabinet such that at least one door may be closed to allow operation of the vending machine installation. In the uninstalled position, the trolley unit is removed from the cabinet after opening at least one door to allow access to the trolley unit.



33) Family number: 46784501 (US2011311694A)

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Title: DEVICE FOR PRODUCING MILK FROTH
Priority: EP20090154238 20090303 EP20100706241 20100303 WO2010EP52649 20100303
Family:

Publication number	Publication date	Application number	Application date
AU2010220366 AA	20100910	AU20100220366	20100303
CA2754145 AA	20110830	CA20102754145	20100303
DE502009004872 D1	20121122	DE200950004872T	20090303
DE502010003151 D1	20130627	DE201050003151T	20100303
DK2225976 T3	20121126	DK20090154238T	20090303
DK2403387 T3	20130722	DK20100706241T	20100303
EP2225976 A1	20100908	EP20090154238	20090303
EP2225976 B1	20120926	EP20090154238	20090303
EP2403387 A1	20120111	EP20100706241	20100303
EP2403387 B1	20130501	EP20100706241	20100303
ES2392011 T3	20121203	ES20090154238T	20090303
ES2423026 T3	20130917	ES20100706241T	20100303
IL214871 A0	20111130	IL20100214871	20100303
IL214871 A1	20140930	IL20100214871	20100303
JP2012519046 T2	20120823	JP20110552425T	20100303
KR20110133578 A	20111213	KR20117022913	20100303
RU2011140018 A	20130410	RU20110140018	20100303
RU2526011 C2	20140820	RU20110140018	20100303
US2011311694 AA	20111222	US20100254130	20100303
WO10100170 A1	20100910	WO2010EP52649	20100303

Probable Assignee: DELICA AG
Assignee(s):(std): BROENNIMANN MARKUS ; DELICA AG ; DELIKA AG ; LEHNER CHRISTOPH
Inventor(s):(std): LEHNER CHRISTOPH ; BROENNIMANN MARKUS ; BROENNIMANN MARKUS ; CHRISTOPH LEHNER ; MARKUS BRONNIMANN ; BRENNIMANN MARKUS ; LENER KRISTOF
Inventor(s): BRONNIMANN MARKUS
Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; MCFADDEN FINCHAM; OSLER HOSKIN AND

HARCOURT LLP; ISARPATENT PATENTANWALTE BEHNISCH BARTH CHARLES HASSA PECKMANN AND PARTNER MBB; WENGER RENE; HEPP WENGER RYFFEL AG; CARVAJAL Y ISABEL; REINHOLD COHN AND PARTNERS; FUKAMI PATENT OFFICE PC; WENGER RENE ET AL

Designated states:

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

International class (IPC 8-9):

A23C9/00 A47J A47J31/44 A47J43/12 B01F3/04 (Advanced/Invention);
A47J31/44 (Advanced/Non-invention);
A47J31/44 (Core/Invention);
A47J (Subclass/Invention)

CPC:

A47J31/4485

European class:

A47J31/44D

US class:

426/474 426/474P 99/453 99/453S

[Classification Explorer](#)

Cited documents:

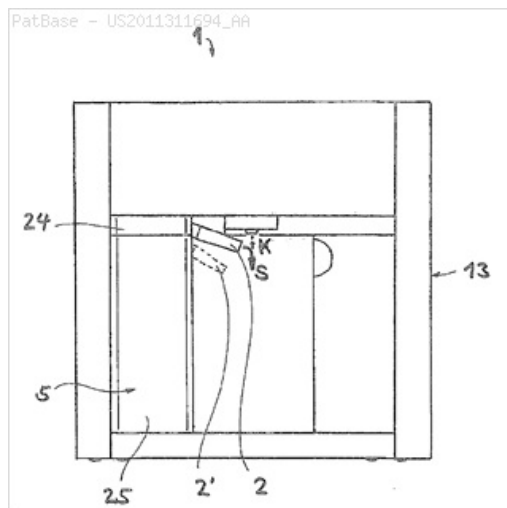
WO05102126 A2, US8657262 BB, US7644652 BB, US6901848 BB, US5769135 A, US5330266 A, US2014197554 AA, US2009047402 AA, US0006810795, SU1582976, RU2339289, JP2007533382 T2, JP2005066313 A2, EP1707090 A1, DE4445436 A1, DE29605821 U1, DE0004445436,

Forward Citations:

WO19007629, WO15197261, WO13131853, US9381473, US9380908, US9370271, US2014327162, US2014060338, US2012297988, RU2570495, KR101862521, JP2017522956, JP2014213208, JP2013000593, EP2636343, DE102011084150, CN106572767, CN103315631, CN103315631,

Abstract:

The invention relates to a device for producing milk froth using steam and air, comprising a convergent-divergent nozzle for achieving a suction effect. A milk feed line is connected to the nozzle in such a way that milk can be drawn from a milk container into a nozzle under the suction effect. The nozzle is designed as a one-piece component created in an injection-molding process and contains a nozzle inlet opening, a nozzle outlet opening, and a milk feed line connection in the form of a milk intake fitting. The air inlet is located before a nozzle inlet opening of the nozzle with regard to the flow direction. A controllable air pump is provided to introduce air into the steam feed line.



34) Family number: 8664548 (WO9616584A1)

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Title:

GRILLING UNIT FOR GRILLABLE FOODSTUFFS ROESTVORRICHTUNG FUER ROESTBARE LEBENSMITTEL
DISPOSITIF PERMETTA

Priority:

CH19940003614 19941130 CH19950000059 19950110 WO1995EP04706 19951130

Family:

Publication number	Publication date	Application number	Application date
AU199642587 A1	19960619	AU19960042587	19951130
CA2206425 AA	19970529	CA19952206425	19951130
CN1173117 A	19980211	CN19951097413	19951130
EP0794724 A1	19970917	EP19950941053	19951130
WO9616584 A1	19960606	WO1995EP04706	19951130

Probable Assignee:

TECHNOLIZENZ ETS

Assignee(s):(std):

BROCKSCHNIEDER ERICH ; BUECHEL KURT F ; TECHNOLIZENZ ETS ; GERBER ROLAND ; FEMBOECK JOSEF ; VOLLMERING DIETER

Assignee(s):

TECHNOLIZENZ ESTABLISHMENT ; FEMBOCK JOSEF ; BUECHEL KURT F

Inventor(s):(std):

FEMBOECK J ; GERBER R ; BUECHEL K F ; VOLLMERING DIETER ; GERBER ROLAND ; FEMBOCK JOSEF ; BUECHEL KURT F ; BROCKSCHNIEDER ERICH ; FEMBOECK JOSEF ; FEMBOCK JOSEF ; BUECHEL KURT F

Inventor(s):

J FEMBOECK ; JOSEF FEMBOECK ; K F BUECHEL ; KURT F BUECHEL ; R GERBER ; ROLAND GERBER ; DIETER VOLLMERING ; ERICH BROCKSCHNIEDER

Agent(s):

MARKS AND CLERK

Designated states:

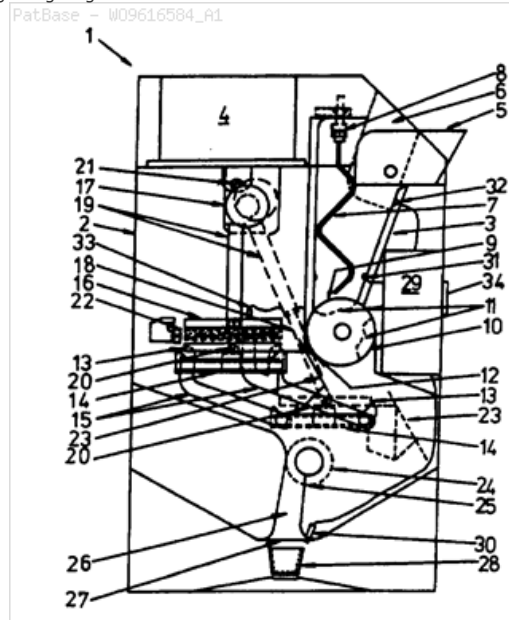
AL AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IS IT JP KE KG KP KR KZ LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TD TG TJ TM TT UA UG US UZ VN

International class (IPC 8-9):

A23L1/217 A23L19/18 A47J37/04 A47J37/12 (Advanced/Invention);

8-9): A23L1/214 A47J37/04 A47J37/12 (Core/Invention)
International class (IPC 1-7): A23L1/217 A47J37/04 A47J37/12
CPC: A23L19/19 A47J37/044 A47J37/1228
European class: A23L1/217B A47J37/04D A47J37/12E
[Classification Explorer](#)
Cited documents: WO8302883 A1, US5309824 A, US4919965 A, FR2672409 A1, EP0636334 A1, DE3328244 A1,
Forward Citations: WO03088793, US8253581, US8234972, US8151695, US7325483, US7001626, EP1496779, EP1494537, EP1494537, CN104094986, AU2009202529, AU2002339253,

Abstract:
An automated grilling unit (1) guides prepared foodstuffs in portions from a storage container (3, 103, 203) with the aid of a removal device (10, 110, 210) and places them on a heatable conveyor unit (13, 113, 213). The conveyor unit takes the form of a mobile first plate (13, 213) or belt conveyor (113) and at least part of it can be heated. The food arrives on the conveyor in a grilling position in which the food articles are placed between the conveyor and a heating element. The heating element takes the form of a second heating plate (16, 216) or a second belt conveyor (116). After grilling, the grilled food passes through a guide and/or shredding device (23, 123, 274, 24, 124, 275) to an issuing aperture (27, 127, 276). The device according to the invention can be thoroughly cleaned and delivers rapidly high-quality grilled accompanying dishes with a constant grilling degree.



35) Family number: 53174640 (CA2805014A)

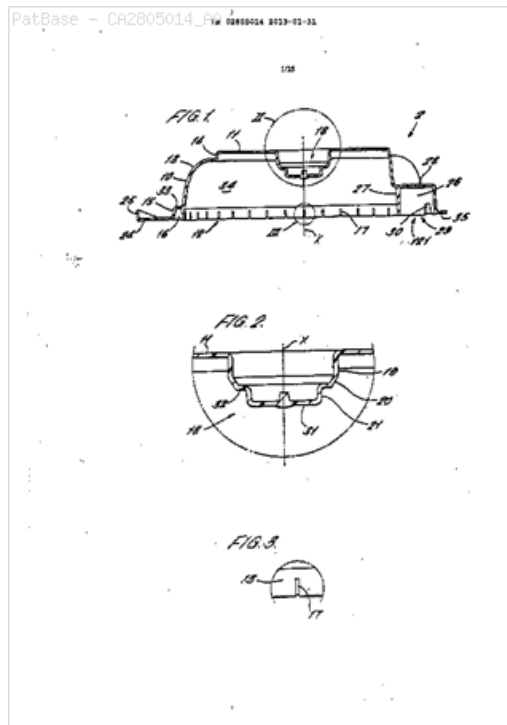
© PatBase

Title: CARTRIDGE AND METHOD FOR THE PREPARATION OF BEVERAGES CARTOUCHE ET PROCEDE POUR PREPARER DES BOISSONS
Priority: GB20030001738 20030124 GB20030001745 20030124 GB20030001739 20030124
CA20042780774 20040123 CA20042805014 20040123 CA20132780774 20130220
Family:

Publication number	Publication date	Application number	Application date
CA2805014 AA	20040805	CA20042805014	20040123
CA2805014 C	20160322	CA20042805014	20040123

Probable Assignee: KRAFT FOODS R AND D INC
Assignee(s):(std): KRAFT FOODS R AND D INC
Assignee(s): PANESAR SATWINDER ; BALLARD COLIN ; DOUWE EGBERTS BV KONINKLL ; GOMEZ MARIA ; HALLIDAY ANDREW
Inventor(s):(std): BALLARD COLIN ; GOMEZ MARIA ; HALLIDAY ANDREW ; PANESAR SATWINDER
Agent(s): MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP
International class (IPC 8-9): A47J31/06 A47J31/24 A47J31/36 A47J31/40 A47J31/44 B65D81/00 B65D85/72 B65D85/804 (Advanced/Invention); A23F5/00 B67D1/00 (Advanced/Non-invention)
CPC: B65D85/8043 A47J31/0673 A47J31/3695 A47J31/4492 B67D2001/0812
[Classification Explorer](#)

Abstract:
method of manufacturing a cartridge (1) for dispensation of a beverage comprising a. manufacturing a plurality of outer members comprising at least a first type of outer member and a second type of outer member having differing shape or configurations; b. manufacturing a plurality of inner members comprising at least a first type of inner member and a second type of inner member having differing shape or configurations; c. storing the inner and outer members; d. selecting one of the first or second type of outer member; e. selecting one of the first or second type of inner member; f. conjoining the selected inner member to the selected outer member such that the inner member is within the outer member; g. filling the outer member with one or more beverage ingredients; and h. sealing the outer member with a lid to form the cartridge.



36) Family number: 49013692 (US2012266755A)

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Title: CARTRIDGE EXTRACTION DEVICE

Priority: EP20090177592 20091201 EP20100788051 20101201 WO2010EP68580 20101201
US20120513109 20120710 US20140464504 20140820

Family:	Publication number	Publication date	Application number	Application date
	AU2010326758 AA	20110609	AU20100326758	20101201
	AU2010326758 BB	20140918	AU20100326758	20101201
	BR112012013128 A2	20170321	BR20121113128	20101201
	CA2781552 AA	20110609	CA20102781552	20101201
	CA2781552 C	20181113	CA20102781552	20101201
	CN102639037 A	20120815	CN201080054329	20101201
	CN102639037 B	20151125	CN201080054329	20101201
	DE602010011244 D1	20131212	DE201060011244T	20101201
	DK2506745 T3	20131216	DK20100788051T	20101201
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	ES2438840 T3	20140120	ES20100788051T	20101201
	HK1177123 A1	20140221	HK20130104291	20130409
	HK1177123 A1	20130816	HK20130104291	20130409
	HK1177123 B	20140221	HK20130104291	20130409
	JP2013512061 T2	20130411	JP20120541474T	20101201
	JP5791627 B2	20151007	JP20120541474T	20101201
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	US8925442 BB	20150106	US20100513109	20101201
	US8973489 BB	20150310	US20100513109	20101201
	WO11067264 A1	20110609	WO2010EP68580	20101201
	ZA201204876 A	20131223	ZA20120004876	20120629

Probable Assignee: NESTEC SA

Assignee(s):(std): BAUDET PATRICK ; JACCARD ALAIN ; LARZUL DAVID ; NESTEC SA ; RITHENER BLAISE ; NESTEC SA ; NESTEC S A

Assignee(s): NESTEC S A

Inventor(s):(std): BAUDET PATRICK ; RITHENER BLAISE ; LARZUL DAVID ; JACCARD ALAIN ; PATRICK BAUDET ; DAVID LARZUL ; ALAIN JACCARD ; BLAISE RITHENER ; ZHAKKAR ALEN ; RITNER BLEHZ ; BODEH PATRIK

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWALTE PARTMBB; SCHNYDER FRANK SIMON; ISERN JORGE; ZHONGZI IP; K AND L GATES LLP; 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 RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD
TG TH TJ TM TN TR TT UA UG UE UZ VC VN ZA ZM ZZ

International class (IPC 8-9): A23L2/52 A47J A47J31/00 A47J31/36 A47J31/40 A47J31/44 A47J31/46 (Advanced/Invention);
A47J (Subclass/Invention)

CPC: A23L2/52 A47J31/46 A47J31/3633 A47J31/407

European class: A47J31/36A4D A47J31/46

US class: 426/425 99/279 99/290 99/295 99/299 99/300 99/302R

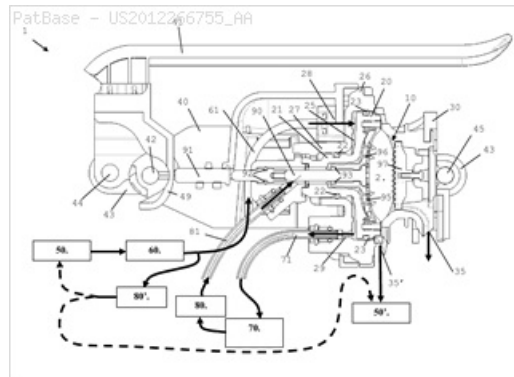
[Classification Explorer](#)

Cited documents: WO09130099 A1, WO09074557 A1, WO09074550 A2, WO09043630 A2, WO08116818 A1, WO08037642 A2, WO07141202 A1, WO07135136 A1, WO06066626 A1, WO06033049 A1, WO06023309 A2, WO06005756 A1, WO06005736 A2, WO05115206 A1, WO05072574 A1, WO05016093 A1, WO05004683 A1, WO05002405 A2, WO0049926 A1, US8973488 BB, US8807018 BB, US8367136 BB, US8210098 BB, US8147887 BB, US7464636 BB, US7131369 BB, US6966251 BB, US6904840 BA, US6763759 BB, US6510783 BA, US6405637 BA, US6142063 A, US5878654 A, US5794519 A, US5531152 A, US5242702 A, US4793245 A, US4760774 A, US3260190 A, US2968560 A, US2009136639 AA, US2008050480 AA, US2006196363 AA, US2006107841 AA, US2006102008 AA, US2006090653 AA, US2005106288 AA, RU2331348, JP61164528 A2, JP61164528, JP2004534562 T2, JP2004534562, FR2424010 A1, EP1912542 A1, EP1893064 A1, EP1867260 A1, EP1859714 A1, EP1859713 A1, EP1811881 A2, EP1776026 A1, EP1774878 A1, EP1767129 A1, EP1764014 A1, EP1721553 A1, EP1674007, EP1669011 A1, EP1659547 A1, EP1646305 A1, EP1635680 A2, EP1566126 A1, EP1545278 A1, EP1480540 A1, EP1353591 A1, EP1247480 A1, EP1219217 A1, EP0917360 A2, EP0917218 A2, EP0862882 A1, EP0730425 A1, EP0676162 A1, CN1487804 A, CN101415356 A,

Forward Citations: WO18169427, WO18169426, WO18069268, WO18069266, WO16083488, WO16083485, WO16059563, WO13163436, WO13127907, US9913558, US9901208, US9700171, US9688465, US9492028, US9428329, US9428328, US2016242591, US2016166105, US2015289706, US2015140184, US2015125586, US2014348994, US10154752, US10130211, RU2620957, EP3223668, EP3206543, EP3192406, EP3141164, EP3141164, EP2819559, EP2633789, CN107223031, CN104168803, CN104168803, CN104135901, CN104135901, AU2014288950, AU2013225017,

Abstract:

A device (1) has: a cartridge seat (10) arranged to receive an ingredient cartridge (2) for extraction; a beverage outlet (35) connected to this cartridge seat for dispensing beverage during extraction; and a liquid injection arrangement (50, 60, 61, 70, 80, 81) comprising a pump (60) for pressurising and circulating liquid from a source (50) via the cartridge seat into the beverage outlet. The liquid injection arrangement further comprises a valve (80') between the pump and the cartridge seat. The liquid injection arrangement is configured to release via the valve (80') pressure from this pressurised liquid in the injection arrangement and maintain liquid in the injection arrangement from the pump (60) to the cartridge seat (10) after the pump is stopped, so as to inhibit dripping from the beverage outlet (35).



37) Family number: 49958714 (US2013112085A)

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Title: STORABLE HOT WATER OR STEAM DELIVERY DEVICE
Priority: EP2010016368 20100521 EP20110720519 20110520 WO2011EP58225 20110520
Family:

Publication number	Publication date	Application number	Application date
AU2011254530 AA	20111124	AU20110254530	20110520
AU2011254530 BB	20150827	AU20110254530	20110520
BR112012029641 A2	20160802	BR20121129641	20110520
CA2800017 AA	20121120	CA20112800017	20110520
CN102905586 A	20130130	CN201180025215	20110520
CN102905586 B	20151125	CN201180025215	20110520
DE602011006230 D1	20140528	DE201160006230T	20110520
EP2571407 A1	20130327	EP20110720519	20110520
EP2571407 B1	20140416	EP20110720519	20110520
ES2466865 T3	20140611	ES20110720519T	20110520
HK1180563 A1	20131025	HK20130107950	20130708
IN09996DN2012 A	20140905	IN2012DN09996	20121119
JP2013526358 T2	20130624	JP20130510632T	20110520
PT2571407 T	20140502	PT20110720519T	20110520
RU2012155627 A	20140627	RU20120155627	20110520
RU2557492 C2	20150720	RU20120155627	20110520
US2013112085 AA	20130509	US20110700908	20110520
WO11144722 A1	20111124	WO2011EP58225	20110520

ZA201209688 A	20140528	ZA20120009688	20121220
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Probable Assignee: NESTEC SA

Assignee(s):(std): NESTEC SA ; NESTEK S A ; NESTEK SA ; TURCHI DANIEL ; CAHEN ANTOINE

Assignee(s): NESTEC S A

Inventor(s):(std): TURCHI DANIEL ; CAHEN ANTOINE ; TURCHI DANIEHL ; KAEHN ANTUAN

Inventor(s): DANIEL TURCHI ; ANTOINE CAHEN

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; GUNDEL ISABELLE; SCHNYDER FRANK SIMON; ISERN JORGE; ZHONGZI IP; 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 RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): A47J A47J31/44 A47J31/46 A47J31/60 (Advanced/Invention); A47J (Subclass/Invention)

CPC: A47J31/4489 A47J31/44

European class: A47J31/44F

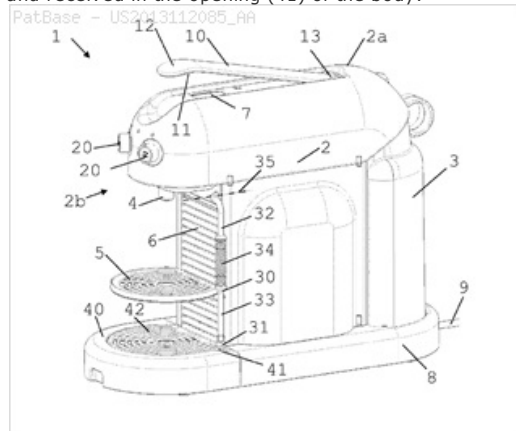
US class: 99/300 99/323.1

[Classification Explorer](#)

Cited documents: WO09135869 A2, WO09130099 A1, WO09122038 A1, WO09074559 A1, WO09074557 A1, WO09074550 A2, WO09043630 A2, WO08034708 A1, WO07135136 A1, WO07009577 A1, WO06067313 A1, WO05004683 A1, US6293187 BA, US5638740 A, US5423245 A, US2009301310 AA, US2009293733 AA, RU2214147, JP62211024 A2, JP3119328 U1, JP2006341097 A2, FR2929091 B1, FR2929091 A1, FR2879426 A1, EP2163176 A1, EP2080458 A1, EP1900312 A2, EP1867260 A1, EP1809151 A2, EP1776905 A1, EP1764014 A1, EP1501398 A1, EP1380243 A1, EP1253844 A1, EP1092376 A2, EP0607759 A1, EP0140841 A1, EP0097481 A1, DE19611450 C1, CN201239028 Y,

Forward Citations: WO18158179, USD836371, USD832019, USD831398, USD830756, US2016000259,

Abstract:
A beverage preparation machine (1) has: a body (40) with an opening (41); and a hot water and/or steam generator that comprises a movable outlet (31). The generator and the outlet have an operative configuration for delivering via the outlet hot water and/or steam and a storage configuration in which the outlet (31) of the generator is moved and received in the opening (41) of the body.



38) Family number: 33187774 (US2007272084A)

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

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

Family:	Publication number	Publication date	Application number	Application date
	AT391445 E	20080415	AT20050100839T	20050207
	AT429165 E	20090515	AT20060706613T	20060203
	AT431090 E	20090515	AT20050105037T	20050609
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	AU2006210110 BB	20120419	AU20060210110	20060203
	BRPI0609186 A2	20100223	BR2006PI09186	20060203
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	CA2596946 C	20101221	CA20062596946	20060203
	CL2006000278 A1	20070622	CL20060000278	20060207
	CL47133 B	20101129	CL20060000278	20060207
	CN100588354 C	20100210	CN200680004309	20060203
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	DE602005014456 D1	20090625	DE200560014456T	20050609
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DK1853142 T3	20090727	DK20060706613T	20060203
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EP1688072 B1	20080409	EP20050100839	20050207
EP1731063 A1	20061213	EP20050105037	20050609
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ES2326124 T3	20091001	ES20050105037T	20050609
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HK1094525 B	20080606	HK20070101469	20070208
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HK1100760 A1	20070928	HK20070105912	20070605
HK1100760 A3	20070928	HK20070105912	20070605
HK1100760 B	20090807	HK20070105912	20070605
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HU0700822 AC	20110228	HU20070000822	20060203
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JP4673381 B2	20110420	JP20070553538T	20060203
JP5193258 B2	20130508	JP20100192590	20100830
KR101350069 B1	20140114	KR20060011901	20060207
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KR20070110020 A	20071115	KR20077018169	20070807
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NO337949 B1	20160718	NO20070004455	20070831
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PL383109 A1	20080218	PL20060383109	20060203
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RU2007133502 A	20090320	RU20070133502	20060203
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TH111587 A	20111228	TH20061000510	20060207
TW200635547 A	20061016	TW20060104118	20060207
TWI374721 B	20121021	TW20060104118	20060207
UA92602 C2	20101125	UA20070100003	20060203
US2007272084 AA	20071129	US20070828774	20070726
US7469628 BB	20081230	US20070828774	20070726
WO06082064 A1	20060810	WO2006EP00944	20060203
ZA200707682 A	20081231	ZA20070007682	20070906

Probable Assignee: NESTEC SA

Assignee(s):(std): DENISART JEAN LUC ; DENISART JEAN PAUL ; NESTEC SA ; MANDRALIS ZENON IOANNIS ; MANDRALIS ZENON I ; NESTEC S A ; YOAKIM ALFRED ; PLEISCH HANSPETER ; PLEISCH HANS P ; NESTEK S A ; NESTEK SA

Inventor(s):(std): ALFRED YOAKIM ; DENISAR JEAN LUC ; DENISART JEAN LUC ; DENISART JEAN PAUL ; DENIZAR ZHAN LJUK ; DENIZAR ZHAN POL ; HANSPETER PLEISCH ; IOANNIS MANDRALIS ZENON ; JEAN LUC DENISART ; JEAN PAUL DENISART ; JOAKIM AL FRED ; LOANNIS MANDRALIS ZENON ; MANDRALIS ZENON ; MANDRALIS ZENON I ; MANDRALIS ZENON IOANNIS ; MANDRALIS ZENON LOANNIS ; PLEISCH HANS P ; PLEISCH HANS PETER ; PLEISCH HANSPETER ; PLJAJSH GANS PETER ; YOAKIM ALFRED

Inventor(s): ZENON IOANNIS MANDRALIS ; PLEISCH HANS ; JOAKIM AL'FRED ; DENIZAR ZHAN-LJUK ; DENIZAR ZHAN-POL' ; HANS PETER PLEISCH

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; HARNECKER CAREY LIMITADA; DUCREUX MARIE ET AL; BORNE PATRICE DANIEL ET AL; ZHONGZI IP; WINSTON AND STRAWN LLP, PATENT DEPARTMENT; WINSTON AND STRAWN LLP PATENT DEPARTMENT; 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 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

International class (IPC 8-9): A23L1/00 A47J A47J31/00 A47J31/06 A47J31/34 A47J31/40 A47J31/44 A47J43/04 B67D1/04 (Advanced/Invention); A47J31/06 A47J31/40 (Advanced/Non-invention); A23L1/00 A47J31/00 A47J31/06 A47J31/24 A47J31/40 A47J31/44 A47J43/04 B67D1/00 (Core/Invention); A47J (Subclass/Invention)

International class (IPC 1-7): A47J31/34 A47J31/44

CPC: A47J31/4467 A47J31/0668

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

US class: 99/275 99/279 99/295

[Classification Explorer](#)

Cited documents: WO9743937 A1, WO9402059 A1, WO20040006740, WO04006740 A2, WO03059778 A2, WO03059778,

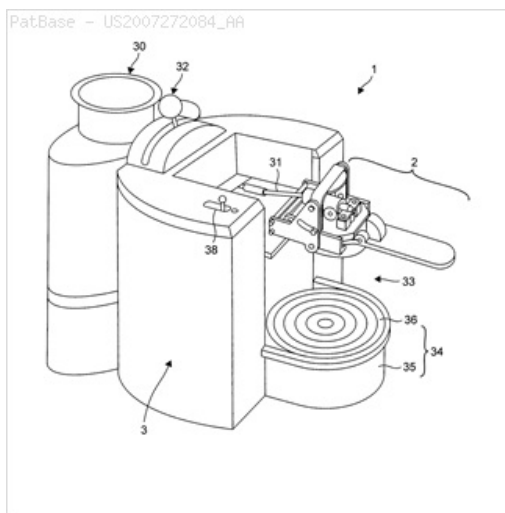
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Forward Citations:

WO17134141, WO15055557, WO15024798, WO14073822, WO14063998, WO14063992, WO13190261, WO13154716, WO12110323, WO12072764, WO12072761, WO1144723, WO11095926, WO10081774, WO10081761, WO09077489, WO08107348, WO08036024, WO07125337, WO07111884, WO07111884, USD758120, USD757491, USD674233, USD674232, USD623894, USD614444, US9968111, US9907429, US9888807, US9877495, US9815617, US9801495, US9795245, US9783361, US9750368, US9743801, US9743800, US9743799, US9731892, US9700171, US9669992, US9668604, US9622614, US9603479, US9510705, US9481508, US9463921, US9434532, US9427106, US9357872, US9351600, US9332876, US9309044, US9277837, US9271598, US9227777, US9226611, US9162815, US9149151, US9149150, US9149149, US9114902, US9095236, US9066624, US9066622, US9049960, US8998037, US8986764, US8978544, US8978542, US8973485, US8950931, US8919242, US8844427, US8820213, US8813634, US8800433, US8758844, US8695484, US8671828, US8658232, US8647691, US8573115, US8541042, US8535748, US8524306, US8512784, US8443718, US8431175, US8414953, US8409646, US8114459, US8114458, US8114457, US8043645, US7775152, US7513192, US2017020328, US2016270588, US2016244249, US2016242456, US2016242455, US2015272377, US2015265091, US2015257584, US2015250351, US2012328739, US2012260806, US2012207893, US2012121779, US2011303321, US2011265658, US2011020497, US2010297299, US2010263546, US2010107890, US10154675, US10098497, US10098494, US10070751, US10046904, US10046903, US10028611, TWI468134, TWI459920, TWI418325, RU2566909, RU2561848, RU2555150, RU2484751, KR20150045214, KR101581930, KR101572956, KR101431858, KR101420466, KR101328911, KR101244376, JP6082098, JP2016533818, JP2015512319, JP2015509802, JP2010530257, JP2010521263, JP2010519992, JP2010519990, ITUB20160433, ITTO20100074, ITMI20131712, ITBS20080164, GB2505262, GB2503283, ES2527337, EP3035831, EP2529648, EP2427085, EP2236062, EP2071988, EP2071986, EP1996051, EP1967100, EP1967100, EP1967099, CN106455849, CN105979830, CN105848537, CN105813514, CN105473034, CN105473034, CN105142470, CN105142470, CN104997403, CN104837384, CN104754993, CN104168803, CN104093340, CN104093340, CN103533869, CN103533869, CN102481064, CN102481064, CN102273948, CH709895, AU2014336382, AU2011212106, AU2008223929,

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.



39) Family number: 50787777 (US2013160654A)

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Title: ERGONOMIC HANDLE WITH USER-INTERFACE
Priority: EP20100175544 20100907 EP20110754651 20110906 WO2011EP65342 20110906
Family:

Publication number	Publication date	Application number	Application date
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US9661950 BB	20170530	US20110821135	20110906
WO12032019 A1	20120315	WO2011EP65342	20110906
ZA201302474 A	20140925	ZA20130002474	20130405

Probable Assignee: NESTEC SA

Assignee(s):(std): AGON FABIEN LUDOVIC ; NESTEC SA ; NESTEK SA
Assignee(s): NESTEC S A
Inventor(s):(std): AGON FABIEN LUDOVIC
Inventor(s): FABIEN LUDOVIC AGON
Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; SCHNYDER FRANK SIMON; K AND L GATES LLP; 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

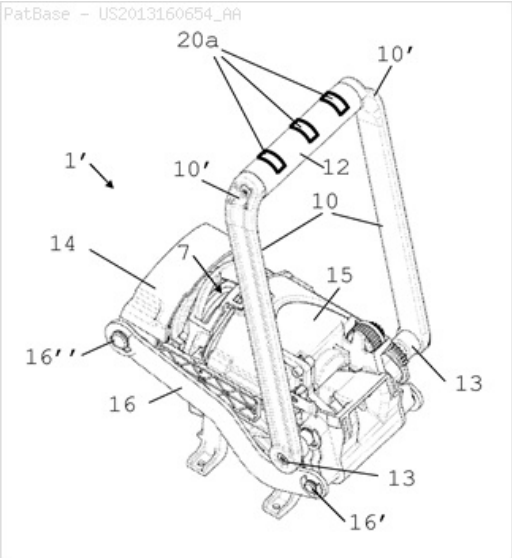
International class (IPC 8-9): A47J31/36 A47J31/44 (Advanced/Invention); A47J (Subclass/Invention)
CPC: A47J31/4403 A47J31/3676 A47J31/3633
European class: A47J31/36B4
US class: 99/295

[Classification Explorer](#)

Cited documents: WO9950172 A1, WO9725634 A1, WO10037806 A1, WO10015427 A1, WO10003932 A1, WO09135869 A2, WO09135821 A1, WO09130099 A1, WO09074559 A1, WO09074557 A1, WO09074553 A2, WO09074550 A2, WO09043630 A2, WO08138820 A1, WO08138710 A1, WO08104751 A1, WO07135136 A1, WO07135135 A1, WO07111884 A2, WO07016977 A1, WO07008590 A2, WO07003990 A2, WO07003062 A1, WO06090183 A2, WO06063645 A1, WO05004683 A1, WO04030438 A2, WO04030435 A2, US7513192 BB, US7320274 BB, US7318373 BB, US7165488 BB, US6759072 BA, US6698332 BB, US6354341 BA, US6240830 BA, US6182555 BA, US5959869 A, US5836236 A, US5731981 A, US5685435 A, US5645230 A, US5375508 A, US5372061 A, US5335705 A, US5312020 A, US4954697 A, US4911067 A, US4767632 A, US4554419 A, US4458735 A, US4377049 A, US3477263 A, US2010300301 AA, US2010288135 AA, US2010288132 AA, US2010275785 AA, US2010263550 AA, US2010263543 AA, US2008148957 AA, US2008006159 AA, US2008000357 AA, US2007157820 AA, US2007051247 AA, US2006102008 AA, US2005126400 AA, GB2397510 A1, FR2883089 A1, FR2624844 A1, EP1878368 A1, EP1867260 A1, EP1864598 A1, EP1829469 A1, EP1809151 A2, EP1676509 A1, EP1448084 A1, EP1380243 A1, EP1253844 A1, EP1208782 A1, EP10152556, EP09177592, EP09172187, EP08155851, DE4429353 A1, DE2945360 A1, DE202006019039 U1

Forward Citations: DE20200419 U1, CN201469079 U, CN201005520 Y, CN101485547 A, CH682798 A, ATA410377 A, WO18069268, WO18069266, WO18046400, WO17081055, WO16083488, WO16083485, WO16083484, WO16005351, WO16005350, WO16005349, WO16005348, USD782888, US8715236, US2013237915, EP3223668, EP3166456, EP2745749, EP2745749,

Abstract:
A machine (1) for preparing a beverage comprises: a handle (10, 12) having a drive portion (12) arranged to be contacted and driven by a human hand to move the handle into a beverage preparation position; and a user-interface (20a) for initiating beverage preparation. This drive portion comprises this user-interface.



40) Family number: 43471819 (US2011011273A) © PatBase				
Title:		SUBSTANCE DISPENSING SYSTEM		
Priority:	EP20070076119	20071221	EP20080864541	20081212
	EP20110185492	20081212	US20100808778	20100909
Family:	WO2008NL00275	20081212	US20130138502	20131223
		Publication number	Publication date	Application number
		Application date		
		AT529028 E	20111115	AT20080864541T
		20081212		
		DE602008010672 D1	20111229	DE200860010672T
		20081212		
		DE602008034848 D1	20141120	DE200860034848T
		20081212		
		EP2237707 A1	20101013	EP20080864541
		20081212		

EP2237707 B1	20111019	EP20080864541	20081212
EP2430955 A1	20120321	EP20110185492	20081212
EP2430955 B1	20141008	EP20110185492	20081212
ES2375249 T3	20120228	ES20080864541T	20081212
US2011011273 AA	20110120	US20080808778	20081212
US2014103073 AA	20140417	US20130138502	20131223
US8616117 BB	20131231	US20080808778	20081212
US9457928 BB	20161004	US20130138502	20131223
WO09082198 A1	20090702	WO2008NL00275	20081212

Probable Assignee: MDS GLOBAL HOLDING PLC

Assignee(s):(std): EVERS LUCAS ALPHONSUS MARIA ; MDS GLOBAL HOLDING LTD ; MDS GLOBAL HOLDING P L C ; SCHOLVINCK MICHAEL OLIVIER ; SCHOLVINCK MICHEL OLIVIER ; VAN OIRSCHOT ROELAND PETRUS MARIA ; VAN OIRSCHOT ROELAND PETRUS MA ; WILLEMSSEN ROBERT

Assignee(s): MDS GLOBAL HOLDING PLC

Inventor(s):(std): EVERS LUCAS ; EVERS LUCAS ALPHONSUS MARIA ; OIRSCHOT ROELAND PETRUS MARIA VAN ; SCHOLVINCK MICHAEL OLIVIER ; SCHOLVINCK MICHAEL OLIVIER ; SCHOLVINCK MICHEL OLIVIER ; VAN OIRSCHOT ROELAND PETRUS MARIA ; WILLEMSSEN ROBERT

Agent(s): TER MEER STEINMEISTER AND PARTNER PATENTANWAELTE MBB; HOUBEN CHRISTIAAN HEIN WILLEM FRANS; HOFFMANN AND BARON LLP; WOLF GREENFIELD AND SACKS PC; BROOKHUIS H J A

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

International class (IPC 8-9): A47J31/06 A47J31/40 B65D1/32 B65D35/28 (Advanced/Invention); A47J31/40 (Core/Invention)

CPC: B65D1/32 A47J31/407

European class: A47J31/40H

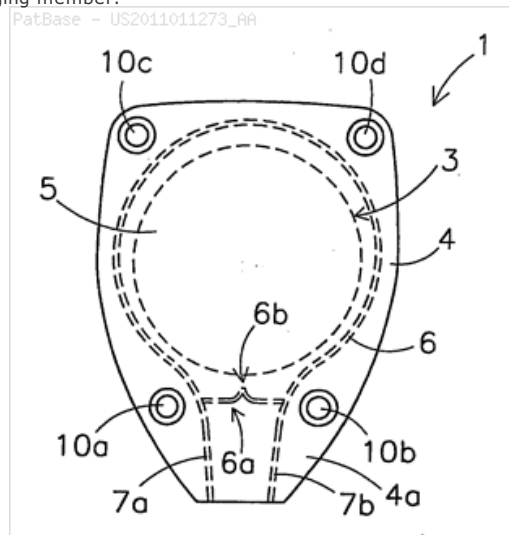
US class: 1/1 222/214 222/95 222/95S 99/295 99/295P

[Classification Explorer](#)

Cited documents: WO07025773 A2, WO05077811 A2, US9161654 BB, US8250972 BB, US7347138 BB, US7165488 BB, US6997356 BB, US6866163 BB, US5918767 A, US4915261 A, US4808346 A, US2006000851 AA, US2005087255 AA, US2004112222 AA, US2004031394 AA,

Forward Citations: WO12062842, USD729342, USD729341, USD727458, US9999315, US9968217, US9902546, US9902545, US9902544, US9877495, US9783361, US9751548, US9708113, US9708109, US9700171, US9676538, US9643768, US9580291, US9504348, US9499333, US9439532, US9428326, US9272827, US9260284, US8784915, US8740020, US8590753, US2017020328, US2016368687, US2016368686, US2016368685, US2016368651, US2016145026, US2015257586, US2013015206, US2010326283, US10106288, US10093471, US10070751, US09999315, EP3190067, EP3190067, EP2833091, EP2833091, DE102013214903, CN103221320,

Abstract:
A substance dispensing system comprising in combination:-a disposable container (1) filled with a portion of a substance, the container having a preformed and deformable body with a bottom (2), a peripheral wall (3) adjoining said bottom and having a top end remote from said bottom, an integral circumferential rim (4) extending outwards from the top end of the peripheral wall and defining a filling opening of said container, said disposable container being closed by a cover sheet (5) which is sealed to the circumferential rim by means of a circumferential seal (6), and-a dispensing apparatus (30) comprising a compression device having a cover sheet side support member (15) for the cover sheet side of the container as well as a bottom engaging member (20) for engaging on the bottom of the container, said compression device being adapted to compress the container by reduction of the distance between the cover sheet side support member and the bottom engaging member.



Family:

Publication number	Publication date	Application number	Application date
CH673212 A	19900228	CH19870002221	19870612
DE3632375 A1	19880331	DE19863632375	19860924
DE3632375 C2	19931118	DE19863632375	19860924
DE3644519 A1	19880714	DE19863644519	19861224
DE3644519 C2	19940224	DE19863644519	19861224
DE3742203 A1	19890622	DE19873742203	19871212
DE3742203 C2	19940825	DE19873742203	19871212
FR2604077 A1	19880325	FR19870009800	19870710
FR2604077 B1	19910412	FR19870009800	19870710
IT1222043 A	19900831	IT19870021307	19870715
IT8721307 A0	19870715	IT19870021307	19870715
US4800805 A	19890131	US19870100339	19870923
US4852474 A	19890801	US19880242715	19880909

Probable Assignee:

KRUPS STIFTUNG

Assignee(s):(std):

KRUPS FA ROBERT ; KRUPS ROBERT FA ; KRUPS STIFTUNG

Assignee(s):

ROBERT KRUPS GMBH AND CO KG 42719 SOLINGEN DE ; ROBERT KRUPS STIFTUNG AND CO ; ROBERT KRUPS STIFTUNG AND CO KG ; ROBERT KRUPS STIFTUNG AND CO HERESBACHSTRASSE 29 D 5650 SOLINGEN 19 FED REP OF GERMANY A CORP OF FED REP OF GERMANY KG ; ROBERT KRUPS STIFTUNG AND CO HERESBACHSTRASSE 29 D 5650 SOLINGEN 19 FEDERAL REPUBLIC OF GERMANY A CORP OF FEDERAL REPUBLIC OF GERMANY KG ; KRUPS STIFTUNG CO KG ROBERT ; KRUPS STIFTUNG CO ROBERT KG

Inventor(s):(std):

BORGMANN MICHAEL ; BORGMANN MICHAEL DIPL ING ; MAHLICH GOTTHARD CHR ; MAHLICH GOTTHARD C ; MAHLICH GOTTHARD CH DIPL ING

Inventor(s):

MAHLICH GOTTHARD CH DIPL ING 6242 KRONBERG DE ; MICHAEL BORGMANN ; MAHLICH GOTTHARD CH ; CH DIPL ING MAHLICH GOTTHARD ; CH ; BORGMANN MICHAEL DIPL ING 42719 SOLINGEN DE ; GOTTHARD CHR MAHLICH ; BORGMANN MICHAEL 42719 SOLINGEN DE

International class (IPC 8-9): A47J27/04 A47J31/44 A47J31/46 (Advanced/Invention); A47J27/04 A47J31/44 (Core/Invention)

International class (IPC 1-7): A47J31/12 A47J31/30 A47J31/40 A47J31/44 A47J31/46

CPC: A47J27/04 Y10S261/76 A47J31/46 A47J31/4489

European class: A47J31/44F A47J31/46

US class: 261/121.1 261/DIG.76 99/293 99/323.1 D7/309 D7/398

[Classification Explorer](#)

Cited documents:

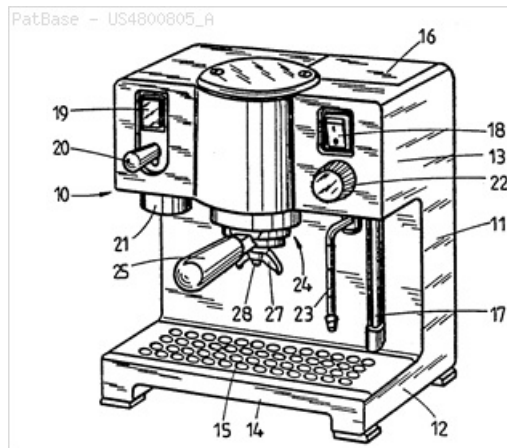
US4757753 A, US4662993 A, US4660466 A, US4644856 A, US4632024 A, US4502371 A, US4204465 A, US2743916 A, DE3538041 A1,

Forward Citations:

WO9953813, WO9747376, WO9631125, WO17085615, WO16150731, WO14165911, WO10124941, WO03092458, WO0197668, USD796244, USD795630, USD761624, USD761051, USD760530, USD742679, USD701071, USD693165, USD587511, USD586604, USD584096, USD561523, USD523279, USD518327, USD505292, USD504591, USD502053, USD496214, USD486346, USD486345, USD479086, USD441593, US9962033, US9795249, US9474408, US9408490, US9392900, US7992486, US7879156, US7878108, US7603945, US7377454, US7281467, US7264232, US6901848, US6840163, US6758130, US6726950, US6681685, US6405637, US6289796, US6253667, US6158328, US6099878, US6019032, US6006654, US5931080, US5768981, US5638740, US5614130, US5611262, US5509349, US5498757, US5490447, US5476033, US5473972, US5464574, US5372061, US5339725, US5335588, US5330266, US5295431, US5267506, US5265520, US5265519, US5233915, US5154111, US5017759, US4960042, US4951556, US4949631, US2016000260, US2016000259, US2015335195, US2015196160, US2013145936, US2012285335, US2009293733, US2009090246, US2009025762, US2008168907, US2008141866, US2008025195, US2007175336, US2007119311, US2007089612, US2006201332, US2005279215, US2005259508, US2005132890, US2005115419, US2005005780, US2004107843, US10172495, JP5848436, JP5787491, JP2014511792, JP2011000443, ITMI20121574, GB2330087, FR2856573, ES2133212, EP2983571, EP2409611, EP2263502, EP2070456, EP2025270, EP2025270, EP1817991, EP1776905, EP1071356, EP1071356, EP0791321, EP0483404, EP0395843, EP0395843, EP0374637, DE3942713, DE3842206, DE3829326, DE3829326, CN105054791, CH696380, AU2006230681,

Abstract:

An espresso machine with an attachment for the making of cappuccino wherein the attachment has a pipe with an open air admitting inlet at its upper end and an open air discharging outlet at its lower end. The steam conduit of the espresso machine has an orifice for steam at its lower end, and the outlet of the pipe is positioned in such a way that steam issuing from the orifice draws air into the pipe and out by way of the outlet to mix with steam and to froth a quantity of milk when the resulting mixture is admitted into a body of milk in a cup or another vessel. The pipe can be a separately produced part which is separably and adjustably or integrally connected to the conduit. It is also possible to provide the conduit with an integral portion which serves as an air supplying pipe and to provide a coupling to separably connect the upper end of the conduit to the source of steam. An extension can be provided to allow for mixing of air and steam before the resulting mixture is caused to enter into and to froth a supply of milk. The extension can constitute an integral part of the conduit or a separately produced part which has a funnel-shaped portion surrounding a conical portion of the steam discharging nozzle of the conduit.



42) Family number: 43487853 (US2012156336A)

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Title: BEVERAGE PREPARATION MACHINES

Priority: GB20090007611 20090501 EP20100716006 20100416 WO2010GB00784 20100416
US20120318050 20120301 US20120690656 20121130

Family:	Publication number	Publication date	Application number	Application date
	BRPI1008316 A2	20180306	BR2010PI08316	20100416
	CA2751151 AA	20110729	CA20102751151	20100416
	CA2751151 C	20160607	CA20102751151	20100416
	CN102325484 A	20120118	CN201080008615	20100416
	CN102325484 B	20140312	CN201080008615	20100416
	DE602010005013 D1	20130411	DE201060005013T	20100416
	DK2424409 T3	20130325	DK20100716006T	20100416
	EP2424409 A1	20120307	EP20100716006	20100416
	EP2424409 B1	20130213	EP20100716006	20100416
	ES2402111 T3	20130429	ES20100716006T	20100416
	GB200907611 A0	20090610	GB20090007611	20090501
	GB2469873 A1	20101103	GB20090007611	20090501
	GB2469873 B2	20110907	GB20090007611	20090501
	JP2012517257 T2	20120802	JP20110548776T	20100416
	JP5325308 B2	20131023	JP20110548776T	20100416
	KR101554281 B1	20150918	KR20137028567	20100416
	KR20110122702 A	20111110	KR20117020309	20100416
	KR20130124418 A	20131113	KR20137028567	20100416
	RU2011148898 A	20130710	RU20110148898	20100416
	RU2491875 C2	20130910	RU20110148898	20100416
	SI2424409 T1	20130531	SI20100030175T	20100416
	US2012156336 AA	20120621	US20100318050	20100416
	US2013164418 AA	20130627	US20120690656	20121130
	US8833238 BB	20140916	US20100318050	20100416
	US8846121 BB	20140930	US20120690656	20121130
	WO10125329 A1	20101104	WO2010GB00784	20100416

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s):(std): HANSEN NICK ANDREW ; KRAFT FOODS R AND AMP D INC ; KRAFT FOODS R AND D INC ; BENTLEY ANDREW ; CORP ; KRAFT FUDZ AR EHND DI INK

Assignee(s): KRAFT FOODS R AND D INC NORTHFIELD ; DOUWE EGBERTS BV KONINKLL ; KRAFT FOODS UK LTD

Inventor(s):(std): KHANSEN NIK EHND RJU ; BEHNTLI EHND RJU ; ANDREW HANSEN NICK ; ANDREW BENTLEY ; BENTLEY ANDREW ; HANSEN NICK ANDREW ; NICK ANDREW HANSEN

Agent(s): SIM AND MCBURNEY ; GOWLING LAFLEUR HENDERSON LLP ; GOWLING WLG CANADA LLP ; BUCKS TERESA ANNE ; TAKEUCHI MIKIO ; YAMADA TAKUJI ; TANAKA MITSUO ; NAKANO HARUO ; FITCH EVEN TABIN AND FLANNERY LLP ; BUCKS TERESA ANNE ET AL

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

International class (IPC 8-9): A47J31/06 A47J31/24 A47J31/36 A47J31/40 A47J31/44 A47J31/46 B65D85/804 G01N33/14 (Advanced/Invention); A47J31/00 (Core/Invention)

CPC: A47J31/407 A47J31/3695 A47J31/0605 A47J31/0621 A47J31/4492 A47J31/4496 A47J31/24 A47J31/3676 B65D85/8043

European class: A47J31/06D A47J31/06F A47J31/36B4D2 A47J31/44H A47J31/44L

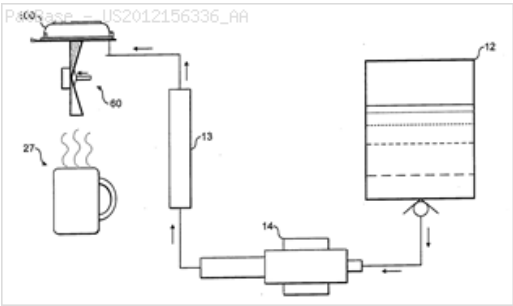
US class: 426/231 426/231P 426/232 99/283 99/283S 99/295 99/300

Classification Explorer

Cited documents: US7726355 BB, US7219599 BB, US6439105 BA, US6439105, US6405637 BA, US6382083 BB, US4210312 A, US2012156336 AA, US2008121108 AA, US2008121108, US2007185434 AA, US2006174770 AA, US2006144244 AA, US2006089603 AA, US2006089603, US2005066820 AA, US2004206245 AA, US2001050002 AA, US2001022138 AA, KR20050044530, JP4224716 A2, JP4224716, JP2009516563 T2, JP2009516563, JP2002360435 A2, JP2002360435, GB2469873 A1, FR1330186 A, EP1690479 A1, EP1579792 A1, EP1440903 A1, EP1440644 A1, EP1319357 A2, EP1133944 A2, EP1016364 A2, EP0726053 A1, EP0389141 A1, EP0334572 A1, CN1313065 A,

Forward Citations: WO18199764, WO16080835, WO16045878, WO15055343, WO15055342, WO12139694, US9999315, US9968217, US9962033, US9939822, US9844290, US9504348, US9439532, US9320382, US9282849, US8846121, US8833238, US2017020328, US2015378371, US2015257586, US2015196160, US2015164265, US2015125586, US10159375, US10132556, US10080459, US10080457, US10070751, US10034570, US09999315, RU2636650, NL2018804, KR101848310, ITTV20130173, ITTV20130172, ITTO20100658, EP3453293, EP3395210, DE102011016767, CN105342466, CH710142,

Abstract:
A beverage preparation machine of the type which uses pre-packaged containers of beverage ingredients comprises a cartridge recognition device for determining the type of beverage to be prepared from a cartridge inserted into the machine and a variable geometry valve located downstream of a cartridge when inserted in the machine. The valve enables preparation of beverages at a range of pressures by having at least an open position and at least one restricted flow position, and a controller for selecting an initial valve position and controlling the subsequent operation of the valve according to the determination of the type of beverage to be prepared by the cartridge recognition device.



43) Family number: 51446854 (US2013276638A) © PatBase

Title: MOTORIZED BEVERAGE MACHINE WITH MECHANICAL TRANSMISSION

Priority: EP20110150023 20110103 EP20120700796 20120103 WO2012EP50033 20120103

Family:

Publication number	Publication date	Application number	Application date
AU2012204927 AA	20120712	AU20120204927	20120103
CA2823268 AA	20130627	CA20122823268	20120103
CN103402406 A	20131120	CN201280011325	20120103
CN103402406 B	20170609	CN201280011325	20120103
EP2661200 A1	20131113	EP20120700796	20120103
IL227243 A0	20130829	IL20120227243	20120103
IN05874DN2013 A	20141205	IN2013DN05874	20130628
JP2014504513 T2	20140224	JP20130546731T	20120103
KR20140006866 A	20140116	KR20137020432	20120103
MX2013007770 A1	20130821	MX20130007770	20120103
RU2013136372 A	20150210	RU20130136372	20120103
US2013276638 AA	20131024	US20120976279	20120103
US9664264 BB	20170530	US20120976279	20120103
WO12093108 A1	20120712	WO2012EP50033	20120103
ZA201305852 A	20150325	ZA20130005852	20130802

Probable Assignee: NESTEC SA

Assignee(s):(std): KRISTLBAUER JUERGEN ; KRISTLBAUER JURGEN ; NESTEC SA ; NESTEK SA

Assignee(s): NESTEC S A

Inventor(s):(std): KRISTLBAUER JUERGEN ; KRISTLBAUER JURGEN

Inventor(s): JUERGEN KRISTLBAUER

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; SCHNYDER FRANK SIMON; K AND L GATES LLP; 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 NZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): A47J A47J31/06 A47J31/36 A47J31/40 A47J31/44 F16H19/08 (Advanced/Invention); A47J31/36 B65D85/804 (Advanced/Non-invention); A47J (Subclass/Invention)

CPC: F16H19/08 A47J31/407 A47J31/3614 B65D85/8043 A47J31/3633 A47J31/3676 Y10T74/18088

US class: 74/29 99/295

[Classification Explorer](#)

Cited documents: WO09135869 A2, WO09130099 A1, WO09098720 A1, WO09074559 A1, WO09074557 A1, WO09074550 A2, WO09043630 A2, WO07135136 A1, WO05004683 A1, US2011048242 AA, US2010147091 AA, US2009114100 AA, US2008276807 AA, EP2205133 A2, EP2142054 A1, EP2010056194, EP1867260 A1,

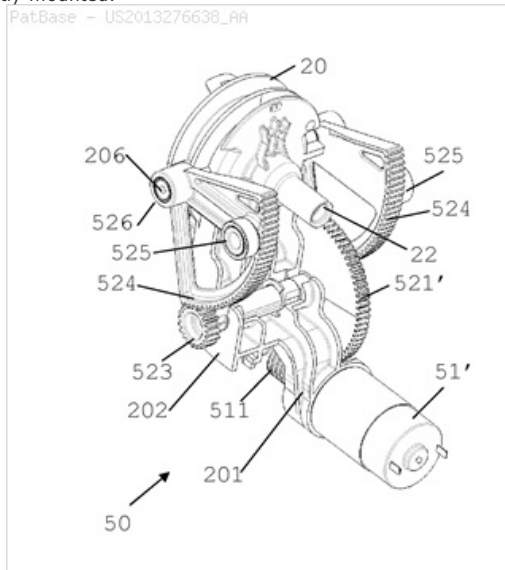
EP1859714 A1, EP1809151 A2, EP1767129 A1, EP1646305 A1, EP1380243 A1, EP1253844 A1, CN101889823 A, CN101744533 A, CN101453929 A, CN101312674 A,

Forward Citations:

WO18069268, WO18069266, WO17005376, WO16083488, WO16083485, WO15155144, WO15086371, WO14056642, WO14056641, US9913556, US2017007066, US2016281981, US10077901, EP3313243, EP3277136, EP3223668, EP3079531, EP2906089, EP2840946, EP2745749, CN106163349,

Abstract:

A machine (1) for preparing a beverage comprises: a first part (20) and a second part (30) movable relative to the first part; a motor (51,51') having a drive member (510, 511) such as a rotating drive axis; one or more mechanical transmission members (52; 521-523; 524-526) for transmitting a movement of the drive member to the movable part (30) for moving the movable part; and a transmission frame (200) for supporting the motor and the movable transmission member(s). The transmission frame is an integral component (200) on which the motor and the transmission members are directly mounted.



44) Family number: 50917860 (US2015017293A)

© PatBase

Title: BEVERAGE PREPARATION SYSTEM, A CODED INSERT AND METHODS OF USE THEREOF

Priority: GB20120002089 20120207 EP20130710011 20130129 WO20131B00221 20130129
US20140372197 20140714 US20180019216 20180626

Family:

Publication number	Publication date	Application number	Application date
AU2013217333 AA	20130815	AU20130217333	20130129
AU2013217333 BB	20160512	AU20130217333	20130129
BR112014019404 A2	20170704	BR20141119404	20130129
CA2861201 AA	20140714	CA20132861201	20130129
CA2861201 C	20170117	CA20132861201	20130129
CN104114067 A	20141022	CN201380008512	20130129
CN104114067 B	20170524	CN201380008512	20130129
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EP2811875 B1	20160120	EP20130710011	20130129
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JP2015505499 T2	20150223	JP20140555332T	20130129
JP5931222 B2	20160608	JP20140555332T	20130129
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KR20140128987 A	20141106	KR20147021758	20130129
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PT2811875 T	20160328	PT20130710011T	20130129
RU2014131775 A	20160410	RU20140131775	20130129
RU2586982 C2	20160610	RU20140131775	20130129
TW201334739 A	20130901	TW20130102029	20130118
TWI539921 B	20160701	TW20130102029	20130118
US2015017293 AA	20150115	US20130372197	20130129
US2018303281 AA	20181025	US20180019216	20180626
US10045656 BB	20180814	US20130372197	20130129
WO13117990 A1	20130815	WO20131B00221	20130129

Probable Assignee: DOUWE EGBERTS BV KONINKLL

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

Assignee(s): DOUWE EGBERTS BV KONINKLL ; HERAUD SANDRA ; CARR SIMON ; KRAFT FOODS R AND D INC

DEERFIELD ; KRAFT FOODS R AND D INCTHREE PARKWAY NORTHDEERFIELDIL60015US ; KRAFT FOODS UK R AND D LTD

Inventor(s):(std): CARR SIMON ; HERAUD SANDRA ; SIMON CARR ; SANDRA HERAUD ; CARR SIMON S ; HERAUD SANDRA S

Inventor(s): HERAUD SANDRAGB ; CARR SIMONGB

Agent(s): GRIFFITH HACK; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; SPLANEMANN PATENTANWAELTE PARTNERSCHAFT; SPLANEMANN PATENTANWAELTE PARTNERSCHAFT MBB; BOULT WADE TENNANT; UNGRIA JAVIER; WILKINSON AND GRIST; FITCH EVEN TABIN AND FLANNERY 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 LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): A47J A47J31/00 A47J31/06 A47J31/36 A47J31/40 A47J31/44 B65D B65D85/804 (Advanced/Invention); A47J B65D (Subclass/Invention)

CPC: A47J31/0668 A47J31/3676 A47J31/407 B65D85/8043 A47J31/4492 A47J31/36 A47J31/00 A47J31/44 B65D85/804 A47J31/3623 B65D2203/06 B65D2203/12

US class: 426/232 99/280 99/281 99/282 99/283

[Classification Explorer](#)

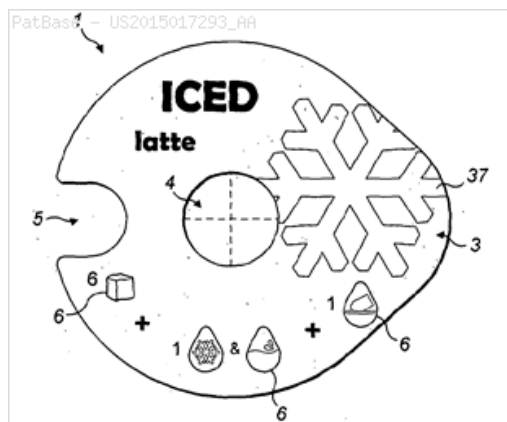
Cited documents: WO11141535 A1, WO11067156 A1, WO10026053 A1, WO09077488 A2, WO09007292 A1, US9131799 BB, US7673558 BB, US5797519 A, US2013064937 AA, US2013064929 AA, US2012177794 AA, US2010263546 AA, US2010147873 AA, US2009181143 AA, US2009084269 AA, US2007203587 AA, US2004211322 AA, RU2337046, KR20100099729 A, KR20100099729, KR20090107040 A, KR20090107040, KR20050105986 A, KR20050105986, JP2011506013 T2, JP2011506013, JP2009502375 T2, JP2009502375, JP2007526025 T2, JP2007526025 T2, JP2007526025, JP2006515526 T2, JP2006515526, GB2485575 A1, EP2071986 A1, EP1440639 A1, DE102007032287 A1

CN1942125 A, CN101862119 A, CN101754705 A, CN101090657 A,

Forward Citations: WO18226847, WO18185316, WO18162758, WO18162167, WO18162147, WO16173738, WO16173737, WO16173736, WO16173735, WO16026770, WO16009378, WO15130791, WO15124619, US9938075, US9445688, US9307860, US2016145037, US2016045060, US10231572, US10136755, US10045654, RU2678883, JP6306165, JP2017509359, JP2017503563, JP2016529943, EP3372527, EP3372122, EP3288862, EP3265402, CN107531401, CN107207153, CN105916419, CN105813512,

Abstract:

A beverage preparation system is provided comprising a beverage preparation machine, a cartridge containing one or more beverage ingredients, and a coded insert. The beverage preparation machine comprises a brew head for receiving the cartridge. The cartridge comprises a primary code configured to provide operating instructions to the beverage preparation machine for delivering a beverage from the cartridge. The coded insert is separate from the cartridge and insertable along with the cartridge into the brew head. The coded insert comprises a secondary code configured to provide alternative operating instructions to the beverage preparation machine for delivering a modified beverage from the cartridge.



45) Family number: 40808868 (EP1854384A1)

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Title: Machine for preparing beverages by infusion of a product contained in a capsule or the like Maschine zum Zubereiten von Getraenken durch Aufgiessen eines in einer Kapsel o

Priority: IT2006TO00346 20060512

Family:	Publication number	Publication date	Application number	Application date
	AT451040 E	20091215	AT20070107924T	20070510
	DE602007003634 D1	20100121	DE200760003634T	20070510
	EP1854384 A1	20071114	EP20070107924	20070510
	EP1854384 B1	20091209	EP20070107924	20070510
	ES2338058 T3	20100503	ES20070107924T	20070510
	ITTO20060346 A1	20071113	IT2006TO00346	20060512

Probable Assignee: LAVAZZA LUIGI SPA

Assignee(s):(std): LAVAZZA LUIGI SPA

Assignee(s): LUIGI LAVAZZA S P A ; LUIGI LAVAZZA SPA

Inventor(s):(std): FACCINITI ALFREDO ; FACCINTI ALFREDO

Agent(s): QUINTERNO GIUSEPPE

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL PL PT RO SE SI SK TR YU

International class (IPC 8-9): A47J31/40 (Advanced/Invention);
A47J31/40 (Core/Invention)

CPC: A47J31/3633 A47J31/3638

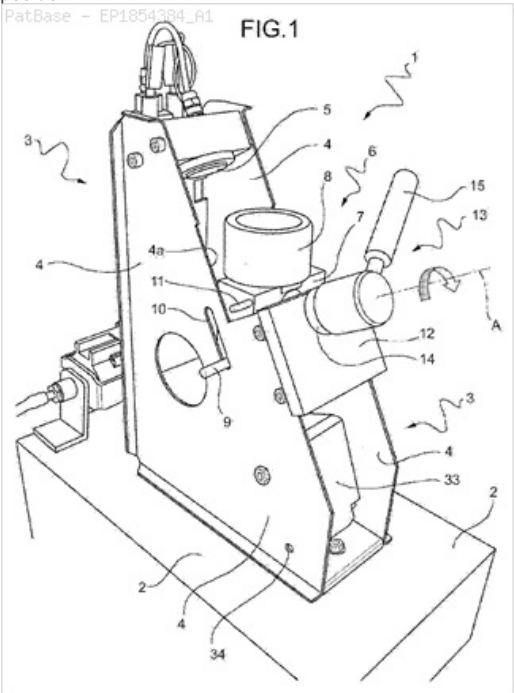
European class: A47J31/36A4D A47J31/36A4F A47J31/40B A47J31/40H

[Classification Explorer](#)

Cited documents: WO05115206 A1, EP1208782 A1,

Forward Citations: WO13182923, WO13038318, WO11147794, WO11015978, WO11015978, WO10076761, US9999315, US9968217, US9661951, US9504348, US9480360, US9439532, US9113751, US8627761, US8621984, US2011265659, US09999315, TWI576075, TWI504369, RU2591767, JP5918442, JP2015523881, ITTO20120503, ITTO20110819, ITTO20100272, ITTO20090603, ITTO20081009, FR2960408, EP2575565, CN104334063, CN104334063, CN104023604, CN104023604, CN102573584, CN102573584, CN102271562, AU2013273253, AU2010280412, AU2009334317,

Abstract:
The machine (1) comprises: a support structure (3, 4) bearing an upper hot-water dispensing head (5), a capsule-holder body (6) which is mounted movably in the structure (3, 4) and with which guide means (9-11, 4a) are associated for allowing the capsule-holder body to move between a raised position in which it mates with the dispensing head (5) defining a beverage-preparation chamber therewith, and a lowered position in which the guide means (9-11, 4a) allow the capsule-holder body (6) to pivot about a substantially horizontal axis (9) towards a loading angular position in which it can receive a capsule, and an operating device (13) including an actuator member (14) which is connected rotatably to the capsule-holder body (6) in a manner such that, starting from a condition in which the capsule-holder body (6) is in the loading position, a rotation of the actuator member (14) can bring about, in succession, pivoting of the capsule-holder body (6) towards the lowered position and then movement thereof to the raised position, and then a rotation of the member (14) in the opposite direction can then bring about, in succession, the return of the capsule-holder body (6) to the lowered position and then pivoting thereof towards the loading position.



46) Family number: 48739871 (US2012199007A) © PatBase

Title: CARTRIDGE EXTRACTION DEVICE

Priority: EP20090172187 20091005 EP20090173600 20091021 WO2010EP64772 20101005
EP20100761007 20101005 EP20100763677 20101005 WO2010EP64773 20101005

Family:	Publication number	Publication date	Application number	Application date
	AU2010305496 AA	20110414	AU20100305496	20101005
	AU2010305496 BB	20141204	AU20100305496	20101005
	AU2010305497 AA	20110414	AU20100305497	20101005
	BR112012007796 A2	20160830	BR20121107796	20101005
	BR112012007816 A2	20160830	BR20121107816	20101005
	CA2776298 AA	20110414	CA20102776298	20101005
	CA2776298 C	20170822	CA20102776298	20101005
	CA2776300 AA	20110414	CA20102776300	20101005
	CN102639035 A	20120815	CN201080054869	20101005
	CN102639035 B	20160302	CN201080054869	20101005
	CN102639036 A	20120815	CN201080054899	20101005
	CN102639036 B	20150408	CN201080054899	20101005
	DE602010013020 D1	20140227	DE201060013020T	20101005
	DE602010024156 D1	20150603	DE201060024156T	20101005

EP2485628 A2	20120815	EP20100761007	20101005
EP2485628 B1	20150422	EP20100761007	20101005
EP2485629 A2	20120815	EP20100763677	20101005
EP2485629 B1	20140108	EP20100763677	20101005
ES2449302 T3	20140319	ES20100763677T	20101005
ES2537120 T3	20150602	ES20100761007T	20101005
HK1174233 A1	20130607	HK20130101292	20130130
HK1174234 A1	20130607	HK20130101293	20130130
IN02626DN2012 A	20150522	IN2012DN02626	20120326
IN02917DN2012 A	20131122	IN2012DN02917	20120404
JP2013506474 T2	20130228	JP20120531456T	20101005
JP2013506475 T2	20130228	JP20120531457T	20101005
JP5604522 B2	20141008	JP20120531456T	20101005
JP5680088 B2	20150304	JP20120531457T	20101005
PT2485628 T	20150520	PT20100761007T	20101005
PT2485629 T	20140121	PT20100763677T	20101005
RU2012118679 A	20131110	RU20120118679	20101005
RU2012118709 A	20131110	RU20120118709	20101005
RU2525068 C2	20140810	RU20120118679	20101005
RU2562783 C2	20150910	RU20120118709	20101005
US2012199007 AA	20120809	US20100500392	20101005
US2013047863 AA	20130228	US20100500393	20101005
US8973488 BB	20150310	US20100500392	20101005
US9271600 BB	20160301	US20100500393	20101005
WO11042400 A2	20110414	WO2010EP64772	20101005
WO11042400 A3	20110609	WO2010EP64772	20101005
WO11042401 A2	20110414	WO2010EP64773	20101005
WO11042401 A3	20110609	WO2010EP64773	20101005

Probable Assignee: NESTEC SA

Assignee(s):(std): BAUDET PATRICK ; JACCARD ALAIN ; LARZUL DAVID ; NESTEC SA ; RITHENER BLAISE ; NESTEK S A ; NESTEK SA

Assignee(s): NESTEC S A

Inventor(s):(std): BAUDET PATRICK ; RITHENER BLAISE ; LARZUL DAVID ; JACCARD ALAIN ; PATRICK BAUDET ; DAVID LARZUL ; ALAIN JACCARD ; BLAISE RITHENER ; ZHAKKAR ALEN ; RITNER BLEHZ ; BODEH PATRIK

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; SCHNYDER FRANK SIMON; ISERN JORGE; ZHONGZI IP; K AND L GATES LLP; 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 RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): A47J A47J31/00 A47J31/06 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/46 (Advanced/Invention)

CPC: A47J31/3623 A47J31/3695 A47J31/3633

European class: A47J31/36A4D

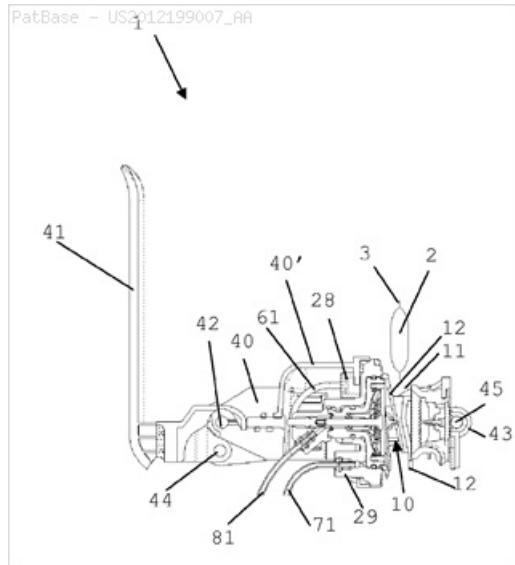
US class: 1/1 99/281 99/281P 99/295 99/295S 99/302P 99/302R

[Classification Explorer](#)

Cited documents: WO09130099 A1, WO09074550 A2, WO09043630 A2, WO08149297 A1, WO08037642 A2, WO08004116 A1, WO07135136 A1, WO07135135 A1, WO07111884 A2, WO06066626 A1, WO06023309 A2, WO06005756 A1, WO06005736 A2, WO05115206 A1, WO05072574 A1, WO05016093 A1, WO05004683 A1, WO05002405 A2, WO03073897 A1, WO0049926 A1, US8047127 BB, US7444927 BA, US7131369 BB, US6966251 BB, US6904840 BA, US6763759 BB, US6510783 BA, US5755149 A, US5531152 A, US5103716 A, US4760774 A, US3269298 A, US3260190 A, US2010129512 AA, US2009308258 AA, US2009114100 AA, US2009035438 AA, US2007221066 AA, US2006196362 AA, US2006102008 AA, US2005129809 AA, US2005106288 AA, US2004079237 AA, US2001011502 AA, JP9506799 T2, JP9119492 A2, JP814867, JP8014867 A2, JP2010528751 T2, JP2009537270 T2, JP2009531132 T2, JP2009529397 T2, JP2007501031 T2, JP2006143146 A2, JP2004534562 T2, FR2424010 A1, EP2009053368, EP1980183 A2, EP1912542 A1, EP1893064 A1, EP1859714 A1, EP1859713 A1, EP1776026 A1, EP1774878 A1, EP1767129 A1, EP1721553 A1, EP1669011 A1, EP1659547 A1, EP1646305 A1, EP1635680 A2, EP1566126 A1, EP1545278 A1, EP1480540 B1, EP1480540 A1, EP1247480 A1, EP1219217 A1, EP1208782 A1, EP0862882 A1, EP0730425 A1, CN200987586 Y, CN200987586 A, CN1747676 A, CN101453929 A, CN101313823 A, CN101099637 A,

Forward Citations: WO18210899, WO18210897, WO18158179, WO18087030, WO18069268, WO18069266, WO18046400, WO18026269, WO16083488, WO16083485, WO16083484, WO15150916, WO15006443, WO14060370, WO13127907, WO13026856, WO13026845, WO13026844, WO13026843, US9700171, US9688465, US9687108, US9492028, US9480361, US9428329, US9428328, US2017291759, US2015250352, US2015140184, US2014356500, US2014348994, US10154752, ITRM20110329, EP3403546, EP3403545, EP3223668, EP3076833, EP3076831, EP2908706, EP2819559, EP2747611, EP2747610, EP2747609, EP2747608, EP2633789, CN105142470, CN105142470,

Abstract:
A device (1) for receiving an ingredient cartridge (2) and extracting the ingredient by passing heated liquid through the cartridge, has a cartridge seat (10) and a liquid injection arrangement (50, 60, 61, 70, 80, 81) for injecting heated liquid into the cartridge seat. The cartridge seat comprises a first cartridge support (20) and a second cartridge support (30) facing the first support. The first and second cartridge supports are arranged to be movable relative to one another from an open position for insertion or removal of a cartridge into the seat to a closed position for passing heated liquid through such a cartridge. At least one support (20) of the cartridge supports (20, 30) is hydraulically actuatable and movable into the closed position by the liquid injection arrangement. The liquid injection arrangement is configured to: pressurise and circulate unheated liquid to the at least one support (20) for actuating and moving said at least one support (20) by the circulating unheated pressurised liquid; and guide this circulating unheated pressurised liquid under pressure from the at least one support (20) via a heater (70) into the cartridge seat (10) for extracting the ingredient contained in the cartridge (2).



47) Family number: 29508889 (US3951303A)

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Title: Beverage-dispensing machine
Priority: GB19720042982 19720915 GB19720043619 19720920 US19720293197 19720920
DK19730005047 19730914

Family:	Publication number	Publication date	Application number	Application date
	AT340181 B	19771125	AT19730008129	19730920
	AT812973 A	19770315	AT19730008129	19730920
	AU197360267 A1	19750313	AU19730060267	19730912
	AU497258 B2	19781207	AU19730060267	19730912
	BE804718 A	19740102	BE19730135541	19730911
	BE804769 A	19740102	BE19730135581	19730912
	CA1006131 A1	19770301	CA19730180647	19730910
	CH581361 A	19761029	CH19730013504	19730920
	DE2346324 A1	19740321	DE19732346324	19730914
	DE2346929 A1	19740404	DE19732346929	19730918
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	DK151200 B	19871109	DK19730005047	19730914
	DK151200 C	19880418	DK19730005047	19730914
	DK160980 A	19800416	DK19800001609	19800416
	DK161226 B	19910610	DK19800001609	19800416
	DK161226 C	19920106	DK19800001609	19800416
	FR2200567 A1	19740419	FR19730033076	19730914
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	FR2200568 A1	19740419	FR19730033398	19730918
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	FR2475258 A1	19810807	FR19800020907	19800930
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	GB1449818 A	19760915	GB19720043619	19720920
	IE38229 B	19780118	IE19730001601	19730910
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Probable Assignee:

MARS LTD

Assignee(s):(std):

MARS LTD ; THOMAS S LTD ; MARS TE LONDEN GROOT BRITTANNIE LTD ; MARS LTD GB ; MARS LTD BARCLAYS BANK BUILDING HAMILTON ROAD SLOU ; MARS G B LTD

Assignee(s):

MARS G B LTD LONDON GB ; MARS LIMITED ; MARS LIMITED TE LONDEN GROOT BRITTANNIE ; HOBDEN NIGEL M ; MAIR BARRIE ; MARS LTD BARCLAYS BANK BUILDING HAMILTON ROAD SLOUGH BUCKINGHAMSHIRE SL1 4RR GR BR ; TAYLOR MICHAEL ; WITHNALL MALCOLM DN

Inventor(s):(std):

3 ; AM ESSEX ; B MAIR ; BARRI MEAA ; BARRI MEJR GB ; BARRIE MAIR ; DOUGLAS MALCOLM ; ESSEX A ; ESSEX A M ; ESSEX ANDREW MICHAEL ; HOBDEN N ; HOBDEN N M ; HOBDEN NIGEL M ; HOBDEN NIGEL MARK ; KHOBDEN NAJDZHEL MARK ; M TAYLOR ; MAIKERU TEIRAA ; MAIR B ; MAIR BARRIE ; MAJKL TEJLOR GB ; MALCOLM DOUGLAS ; MALCOLM DOUGLAS NORMAN WITHNALL ; MALCOLM DOUGLAS NORMAN VITNOLL GB ; MICHAEL TAYLOR ; NAJERU MAAKU HOBUDEN ; NAJIERU MAAKU HOBUDEN ; NAJDZHEL MARK KHOBDEN GB ; NIGEL MARK HOBDEN ; NM HOBDEN ; NORMAN WITHNALL ; TAYLOR M ; TAYLOR MICHAEL ; TEJLOR MAJKL ; VITNOLL MALCOLM DOUGLAS NORMAN ; WARWICK WARWICKSHIRE ; WARWICK WARWICKSHIRE ; WITHNALL M ; WITHNALL M D N ; WITHNALL MALCOLM D N ; WITHNALL MALCOLM DN ; WITHNALL MALCOLM DOUGLAS NORMA ; WITHNALL MALCOLM DOUGLAS NORMAN ; MARUKAMU DAGURASU NOOMAN UIZUN ; MARUKAMU DAGURASU NOOMAN UIZUNOORU ; MDN WITHNALL ; MEJR BARRI ; WITHNALL NORMAN ; WARWICK ; MAIDENHEAD ; LEAMINGTON SPA

Inventor(s):

HOBDEN N M MAIR B TAYLOR M AND WITHNALL MD N ; A M ESSEX ; M D N WITHNALL ; N M HOBDEN ; MDNWITHNALL ; MAIDENHEAD 3 ; MICHAEL ESSEX ANDREW ; WITHNALL MALCOLM DOUGLAS NORMAN WARWICK WARWICKSHI ; WITHNALL MALCOLM DOUGLAS NORMAN WARWICK WARWICKSHIRE GB ; NORMAN WITHNALL MALCOLM DOUGLAS ; MARK HOBDEN NIGEL ; MAIR BARRIE MAIDENHEAD BERKSHIRE GB ; HOBDEN NIGEL MARK LEAMINGTON SPA WARWICKSHIRE GB

Agent(s):

ARTHUR S CAVE AND CO SYDNEY

International class (IPC 8-9):

A47G19/24 A47J31/00 A47J31/40 A47J43/04 B67D1/08 G01F11/00 G07F11/00 G07F11/16 G07F13/06 G07F13/10 (Advanced/Invention);
A47J31/00 A47J43/04 G07F11/00 G07F13/06 (Advanced/Non-invention);
A47J31/00 A47J31/40 A47J43/04 B67D1/00 G01F11/00 G07F11/00 G07F11/16 G07F13/06 G07F13/10 (Core/Invention);
B65B (Subclass/Invention)

International class (IPC 1-7):

A47G19/24 A47J31/00 A47J31/40 A47J31/44 A47J44/00 B65B43/44 B65D85/00 B67D1/00 B67D1/08 B67D3/00 B67D5/10 B67D5/30 G01F11/00 G07F11/00 G07F11/16 G07F11/54 G07F13/00 G07F13/06 G07F13/10

CPC:

A47J31/40 G07F13/10 B67D1/0857

European class:

A47J31/40 B67D1/00B2D B67D1/08D G07F13/10

US class:

221/96

[Classification Explorer](#)

Cited documents:

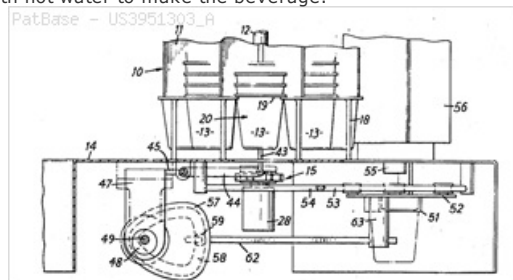
US969574 A, US3578126 A, US3554364 A, US3543812 A, US3283951 A, US3247940 A, US2732098 A, US2729376 A, US2726026 A, US2639207 A, US2569486 A, US2029460 A, US1344692 A, JP47027995 U1, JP43025463 A2, JP43005061 Y1, JP41011529 Y1, JP39032624 Y1, JP39006306 A2, JP38022241 A2, JP38011015 Y1, JP35028002 Y1, GB807511 A, GB745683 A, GB350267 A, FR1564088 A, FR1536950 A, FR1337911 A, DE1236996 B, DE1224657 B, BE726871 A,

Forward Citations:

WO9428700, WO9428700, WO9114241, WO0182249, WO0182249, USD440255, US9415992, US7682238, US6688460, US6138869, US5799822, US5782380, US5772072, US5688423, US5590809, US5503300, US5000345, US4989753, US4590975, US4293292, US2013282164, US2004053684, JP60123084, JP57185082, JP57133871, JP57048190, ITMI20121615, GB2123394, FR2600800, FR2412125, ES2342039, EP2858043, EP2858043, EP1239429, EP1239429, EP0977164, EP0413654, EP0251960, EP0084695, EP0055544, EP0050423, EP0049963, EP0036734, EP0036734, EP0000273, DE102014114259, CN105768835, AU630955, AU580090,

Abstract:

A beverage dispensing machine comprises a rotatable holder having columns for receiving stacks of cups disposed around and equidistant from the axis of rotation of the holder. Different columns of the holder receive stacks of cups containing the dry ingredients for different beverages. A selection indicating means operated by the customer controls a drive motor which rotates the holder, causing it to stop with the column containing the selected beverage in register with a cup separating device. The cup separating device is located to the side of the path of rotation of the columns and separates the lowermost cup from the stack. A transport mechanism moves the cup horizontal to a station where it is filled with hot water to make the beverage.

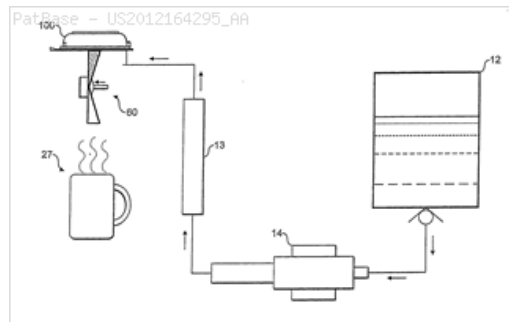


Title: BEVERAGE PREPARATION MACHINES**Priority:** GB20090007612 20090501 EP20100722165 20100324 WO2010GB00551 20100324
US20120318044 20120307 US20140256734 20140418

Family:	Publication number	Publication date	Application number	Application date
	BRPI1007971 A2	20160913	BR2010PI07971	20100324
	CA2751150 AA	20110729	CA20102751150	20100324
	CA2751150 C	20170718	CA20102751150	20100324
	CN102325483 A	20120118	CN201080008598	20100324
	CN102325483 B	20160706	CN201080008598	20100324
	EP2424410 A1	20120307	EP20100722165	20100324
	EP2424410 B1	20170503	EP20100722165	20100324
	ES2629423 T3	20170809	ES20100722165T	20100324
	GB200907612 A0	20090610	GB20090007612	20090501
	GB2469874 A1	20101103	GB20090007612	20090501
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	JP2012518508 T2	20120816	JP20110551523T	20100324
	JP5335938 B2	20131106	JP20110551523T	20100324
	KR101360329 B1	20140207	KR20117028668	20100324
	KR20120014018 A	20120215	KR20117028668	20100324
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	RU2506033 C2	20140210	RU20110148940	20100324
	US2012164295 AA	20120628	US20100318044	20100324
	US2014225285 AA	20140814	US20140256734	20140418
	US9339142 BB	20160517	US20100318044	20100324
	US9427105 BB	20160830	US20140256734	20140418
	WO10125326 A1	20101104	WO2010GB00551	20100324
	WO10125326 A8	20110915	WO2010GB00551	20100324

Probable Assignee: DOUWE EGBERTS BV KONINKLL**Assignee(s):(std):** BENTLEY ANDREW ; BENTLEY ANDREW CHARLES ; CORP ; DOUWE EGBERTS BV ; DOUWE EGBERTS BV KONINKLL ; HANSEN NICK ANDREW ; KRAFT FOODS R AND D INC ; KRAFT FOOD R AND D INC ; NORTON MARK ; HINCKLEY ELIZABETH ; KRAFT FOODS R AND AMP D INC ; NORTON MARK RICHARD THOMAS ; HINCKLEY ELIZABETH JANE ; KRAFT FUDZ AR EHND DI INK**Assignee(s):** KRAFT FOODS UK LTD**Inventor(s):(std):** ANDREW BENTLEY ; ANDREW HANSEN NICK ; BENTLEY ANDREW ; BENTLI EHND RJU ; ELIZABETH HINCKLEY ; HANSEN NICK ANDREW ; HINCKLEY ELIZABETH ; KHANSEN NIK EHND RJU ; KHINKLI EHLIZABET ; MARK NORTON ; NORTON MARK ; NORTON MARK RICHARD THOMAS ; HINCKLEY ELIZABETH JANE ; BENTLEY ANDREW CHARLES**Inventor(s):** NICK ANDREW HANSEN**Agent(s):** SIM AND MCBURNEY; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; BUCKS TERESA ANNE; BOULT WADE TENNANT; UNGRIA JAVIER; TAKEUCHI MIKIO; YAMADA TAKUJI; TANAKA MITSUO; NAKANO HARUO; FITCH EVEN TABIN AND FLANNERY LLP; BUCKS TERESA ANNE ET AL**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**International class (IPC 8-9):** A23F5/00 A23L2/54 A47J31/06 A47J31/24 A47J31/32 A47J31/36 A47J31/44 A47J31/46 (Advanced/Invention)**CPC:** A47J31/4403 A47J31/0657 A47J31/24 A47J31/0605 A47J31/3695 A47J31/4496 A47J31/32 A47J31/44 A47J31/46**European class:** A47J31/06D A47J31/36B4D2 A47J31/46**US class:** 1/1 261/26 261/30 261/30S 261/42 261/42S 261/64.1 261/64.100S 261/65 261/75 261/75S 426/474 426/474P[Classification Explorer](#)**Cited documents:** WO09008700 A1, WO06090183 A2, WO06053016 A2, WO06014936 A2, WO06014936, WO04098360 A1, WO04098360 A1, US6405637 BA, US6382083 BB, US5778765 A, US3413909 A, US2009211456 AA, US2007248734 AA, US2007242561 AA, US2007056994 AA, US2007056994 AA, US2006288874 AA, US2006272516 AA, US2004211322 AA, JP2008531162 T2, JP2008531162, JP2008194074 A2, JP2008194074, GB2434969 A1, GB2434969 A1, EP1440903 A1, EP1440903, EP1440644 A1, EP1440644 A1, EP1208781 A2, EP1133944 A2, EP1133944 A2, EP1016364 A2, EP1016364 A2, EP0781520 A1, EP0781520 A1, EP0389141 A1, EP0389141, EP0334572 A1, EP0334572, EP0232460 A2, EP0232460 A2, CN1972613 A, CN101128142 A,**Forward Citations:** WO16110516, WO13038165, US9962033, US9629497, US9307860, US9169060, US9125520, US2015196160, US2015164265, US2014161945, US2014034676, US2013224343, US10231573, US10045654, KR101775033, JP6155267, JP2017503552, JP2014526295, GB2494464, GB2494464, GB2487393, EP3242580, EP3199074, EP2755538, CN107105918, CN106572766, CN106361154, CN106361154, CN103841865, CN103841865,**Abstract:**

Method of preparing beverages using a beverage preparation machines and in particular a beverage preparation machine of the type which uses pre-packaged containers of beverage ingredients. The method includes controlling the volume of air resident in at least a part of a delivery system of the machine to produce predetermined characteristics in a prepared beverage.



49) Family number: 71244899 (WO10015427A1)

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Title: BEVERAGE MACHINE WITH CARRYING HANDLE AND CONFIGURABLE APPEARANCE AND SIDE FUNCTIONS
MACHINE A BOISSON AVEC POIGNEE DE TRANSPORT ET FONCTIONS D'ASPECT ET DE COTES C

Priority: WO2008EP0463 20080808 EP20080167421 20081023 EP20090779164 20090317
WO2009EP53139 20090317

Family:	Publication number	Publication date	Application number	Application date
	DE602009031454 D1	20150716	DE200960031454T	20090317
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	EP2309900 B1	20150527	EP20090779164	20090317
	ES2539306 T3	20150629	ES20090779164T	20090317
	PT2309900 T	20150730	PT20090779164T	20090317
	WO10015427 A1	20100211	WO2009EP53139	20090317

Probable Assignee: NESTEC SA

Assignee(s):(std): MOERI PETER ; MOSER RENZO ; NESTEC SA ; SCHNYDER FRANK ; YOAKIM ALFRED ; GAVILLET GILLES ; KOLLEP ALEXANDRE

Assignee(s): NESTEC S A

Inventor(s):(std): YOAKIM ALFRED ; SCHNYDER FRANK ; MOSER RENZO ; MOERI PETER ; KOLLEP ALEXANDRE ; GAVILLET GILLES

Inventor(s): FRANK SCHNYDER ; ALFRED YOAKIM ; ALEXANDRE KOLLEP ; GILLES GAVILLET ; RENZO MOSER ; PETER MOERI

Agent(s): MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; SCHNYDER FRANK SIMON; ISERN JORGE; 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 CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): A47J31/36 A47J31/44 (Advanced/Invention);
A47J31/24 A47J31/44 (Core/Invention)

CPC: A47J31/52 A47J31/3623 A47J31/3676 A47J31/4407 A47J31/4417

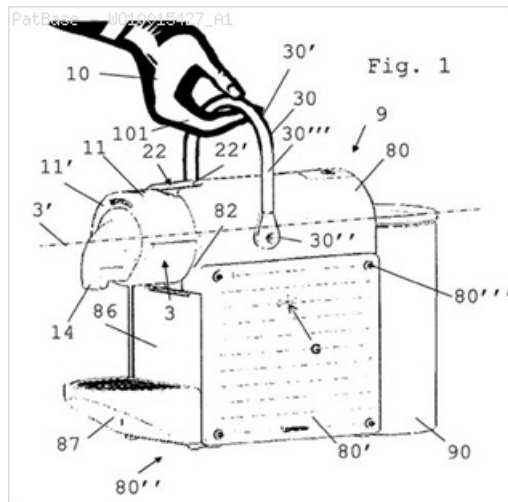
[Classification Explorer](#)

Cited documents: WO09043630 A2, WO06104575 A1, WO06005756 A1, WO05060801 A1, GB847662 A, EP1208782 A1, DE2019445 A1, DE19647039 A1,

Forward Citations: WO18219989, WO18046400, WO17081055, WO16083485, WO16083484, WO16005351, WO16005350, WO16005349, WO16005348, WO15140091, WO15086371, WO14001364, WO13104643, WO12072767, WO12055767, WO12055765, WO12032019, WO11144720, WO11144719, WO11131595, WO11107574, WO11095509, WO09130099, US9668608, US9439533, US9398829, US9392901, US9119503, US8915177, US8863648, US8850957, US8613246, US8600223, US8573116, US8479640, ITGE20120057, FR2992154, EP3166456, EP3079531, EP2959807, EP2802245, EP2727503, EP2645912, EP2571404,

Abstract:

A machine for preparing a beverage has: a main body (9) containing a brewing unit (1); and a handle (30) movable relative to the main body, so as to act on the brewing unit to open the brewing unit for introduction or removal of an ingredient into and from the unit, and act to close the brewing unit for extraction of such ingredient within the unit. The movable handle has a gripping part (30') and is arranged to be drivable by a human hand (10). The main body and the movable handle are so connected and configured that the gripping part has a carrying position in which the gripping part is seizable by the human hand for safe lifting and displacing of such machine single-handed.



50) Family number: 60160905 (US2015327717A)

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Title: MOVING INLET NOZZLES IN BEVERAGE SYSTEMS

Priority:	US20140940290P 20140214	US20140977069P 20140408	US20140060282P 20141006
	US20140069772P 20141028	US20150112627P 20150205	US20150118473 20150213
	WO2015US15971 20150213	US20150136258P 20150320	US20150303213 20150408
	WO2015US25013 20150408	US20150230508P 20150605	US20150174443P 20150611
	US20150810429 20150727	US20150810445 20150727	US20150810448 20150727
	US20150199941P 20150731	US20150202709P 20150807	US20150202753P 20150807
	US20150516893 20150813	WO2015US45146 20150813	WO2015US54312 20151006
	US20150516894 20151006	WO2016US16884 20160205	US20160549106 20160205
	US20160056131 20160229	US20160076144 20160321	US20160174290 20160606
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Family:

Publication number	Publication date	Application number	Application date
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AU2015328659 AA	20170413	AU20150328659	20150813
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CA2945127 AA	20161006	CA20152945127	20150408
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CA2962688 AA	20170324	CA20152962688	20150813
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EP3203882 A1	20170816	EP20150848685	20151006
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KR20170063939 A	20170608	KR20177012172	20151006
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US2015327718 AA	20151119	US20150810445	20150727
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US2016360919 AA	20161215	US20160174339	20160606
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US2017055760 AA	20170302	US20150303213	20150408
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WO15157475 A1	20151015	WO2015US25013	20150408
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WO16127126 A1	20160811	WO2016US16884	20160205
WO17023707 A1	20170209	WO2016US44576	20160728

Probable Assignee: COFFEE SOLUTIONS LLC

Assignee(s):(std): BURROWS BRUCE ; BURROWS BRUCE D ; COFFEE SOLUTIONS LLC ; REMINGTON DESIGNS LLC

Assignee(s): MALETIS CHRIS ; MALETIS ED ; HAGEN DAVID

Inventor(s):(std): BURROWS BRUCE D ; BURROWS BRUCE

Agent(s): MURRAY TRENTO AND ASSOCIATES PTY LTD; GRIFFITH HACK; OYEN WIGGS GREEN AND MUTALA LLP; GOWLING WLG CANADA LLP; GEVERTS PATENTS; KOHLER SCHMID MOEBUS PATENTANWALTE; DESHIMARU TAKESHI; MATSUSHITA MITSURU; KURASAWA ICHIRO; WATANABE TORU; KOPPEL PATRICK HEYBL AND PHILPOTT; BUCHALTER; LOWRY STUART O ET AL; DONALDSON COREY A ET AL; ORLER ANTHONY J ET AL

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

International class (IPC 8-9): A23F3/18 A23F5/26 A47J31/00 A47J31/02 A47J31/057 A47J31/06 A47J31/10 A47J31/22 A47J31/24 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/46 A47J31/52 A47J31/54 A47J31/56 A47J31/60 B65D85/804 F04B49/06 G05B11/42 (Advanced/Invention)

CPC: A47J31/36 B65D85/8043 A23F3/18 A23F5/26 A47J31/44 A47J31/22 A47J31/3633 A47J31/3676 A47J31/0673 A47J31/4403 A47J31/462 A47J31/407 A47J31/002 A47J31/4475 A23F5/262 A47J31/52 A47J31/057 A47J31/3685 A47J31/3695 A47J31/10 A47J31/3628 F04B49/06 A47J31/56 A47J31/46 F04B1/12 F04B13/00 F04B23/02 F04B43/02 F04B49/065 F04B49/106 F04B49/20 F04B2205/09 A47J31/465

US class: 1/1 426/115 426/425 426/431 426/433 99/280 99/283 99/287 99/295

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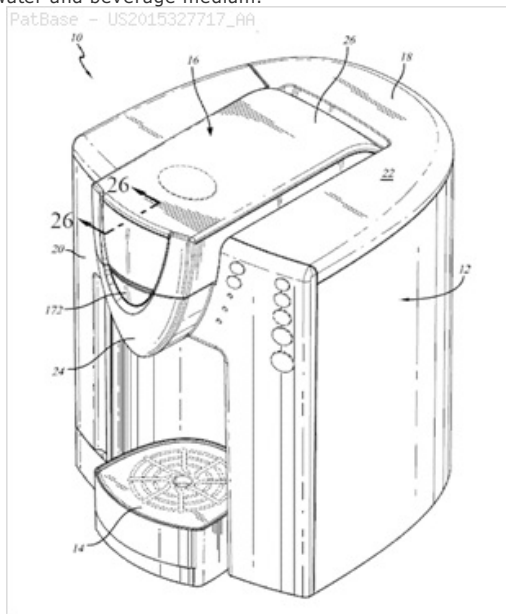
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Abstract:

The brewing system disclosed herein includes a moving inlet nozzle for use in intermixing hot water and coffee in a coffee cartridge. The inlet nozzle may include one or more flow ports that inject hot water into an inner chamber of the coffee cartridge at select angles, locations and pressures to create the desired fluidized mixture of hot water and beverage medium.



51) Family number: 34938908 (US2010147157A)

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Title:

IMPROVEMENTS IN OR RELATING TO BEVERAGE PREPARATION MACHINES

Priority:

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Probable Assignee:

DOUWE EGBERTS BV KONINKLL

Assignee(s):(std):

BALLARD COLIN DARREL ; BURTON WILCOCK GARY VINCENT ; CARR SIMON ; DOUWE EGBERTS BV ; KRAFT FOODS R AND D INC ; HALLIDAY ANDREW MICHAEL ; KRAFT FOODS HOLDINGS INC ; KRAFT FOODS RES AND DEV INC ; DOUWE EGBERTS BV KONINKLL ; KONINKL DOUWE EGBERTS BV ; TANNER ROGER GEOFFREY ; SXTON PAUL ADRIAN ; WILSON PAUL JAMES ; NEWCOMBE PAUL JOHN ; SHORT DAVID PAUL ; KRAFT FUDZ AR EHND DI INK ; KRAFT FUDZ R UND D INK

Assignee(s):

KRAFT FUDZ R U D INK ; KRAFT FOODS UK LTD ; KRAFT JACOBS SUCHARD LTD ; KRAFT FOODS RESEARCH AND DEVELOPMENT INC ; KRAFT FOODS R AND D INC THREE LAKES DRIVENORTHFIELDIL60093US ; KRAFT FOODS R AND D INC THREE PARKWAY NORTHDEERFIELDIL60015US

Inventor(s):(std):

ADRIAN SXTON PAUL ; BALLARD COLIN ; CARR SIMON ; GEOFFREY TANNER ROGER ; HALLIDAY ANDREW ; JAMES WILSON PAUL ; KHOLLIDEHJ EHND RJU MAJL ; PAUL ADRIAN SXTON ; SAKSTON POL ADRIAN ; SXTON PAUL ; ROGER GEOFFREY TANNER ; TANNER RODZHER DZHEFFRI ; TANNER ROGER ; UILSON POL DZHEJMS ; WILSON PAUL ; WILSON PAUL JAMES ; VINCENT BURTON WILCOCK GARY ; SHORT DEHVID POL ; SHORT DAVID ; PJ PAUL JOHN NEWCOMBE ; PAUL SHORT DAVID ; PAUL NEWCOMBE ; NEWCOMBE PAUL ; N JUKOMB POL DZHON ; JOHN NEWCOMBE PAUL ; GV GARY VINCENT BURTON WILCOCK ; GARY BURTON WILCOCK ; DP DAVID PAUL SHORT ; DAVID SHORT ; BURTON WILCOCK GARY ; BARTON ULLKOK GARI VINSENT ; FANNON COLIN ; CLARK JO ANN ; TANNER ROGER GEOFFREY ; SHORT DAVID PAUL ; SXTON PAUL ADRIAN ; NEWCOMBE PAUL JOHN ; HALLIDAY ANDREW MICHAEL ; BURTON WILCOCK GARY VINCENT ; BALLARD COLIN DARREL ; PAUL JOHN NEWCOMBE ; GARY VINCENT BURTON

Inventor(s): COLIN FANNON ; JO ANN CLARK ; DAVID PAUL SHORT DP ; COLIN BALLARD ; GARY VINCENT BURTON WILCOCK GV ; PAUL JOHN NEWCOMBE PJ ; WILSON PAUL JAMESGB ; ANDREW MICHAEL HALLIDAY ; TANNER ROGER GEOFFREYGB ; ROGER TANNER ; SAXTON PAUL ADRIANGB ; SHORT DAVID PAULGB ; SIMON CARR ; PAUL JAMES WILSON ; PAUL SAXTON ; PAUL WILSON ; NEWCOMBE PAUL JOHNGB ; N'JUKOMB POL DZHON ; BARTON-UILKOK GARI VINSENT ; BURTON WILCOCK GARY VINCENTGB ; ANDREW HALLIDAY

Agent(s): OSLER HOSKIN AND HARCOURT LLP; MCFADDEN FINCHAM; MCFADDEN FINCHAM INC; BUCKS TERESA ANNE; BOULT WADE TENNANT; UNGRIA JAVIER; CHINA PATENT AGENT HK LTD; ABE KAZUO; TANI YOSHIKAZU; TANI AND ABE PC; FITCH EVEN TABIN AND FLANNERY; FITCH EVEN TABIN AND FLANNERY LLP; KRATZ RUDY ET AL

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

International class (IPC 8-9): A23F3/18 A23F5/26 A47J A47J31/00 A47J31/06 A47J31/24 A47J31/30 A47J31/34 A47J31/36 A47J31/38 A47J31/40 A47J31/44 A47J31/46 A47J31/52 A47J31/54 A47J31/56 A47J31/60 A47J36/26 B23P19/04 B65B B65B3/06 B65B43/42 B65D77/00 B65D81/00 B65D81/32 B65D85/804 B67B7/00 B67D1/04 B67D1/06 B67D1/08 B67D7/00 B67D7/06 B67D7/78 E05D15/28 G06K7/00 (Advanced/Invention); A47J31/36 (Advanced/Non-invention); A47J31/00 A47J31/06 A47J31/24 A47J31/40 A47J31/44 B23P19/04 B65B3/04 B65B43/42 B65D81/00 B65D85/804 B67D1/00 B67D7/00 B67D7/06 B67D7/78 (Core/Invention); A47J B65B (Subclass/Invention)

International class (IPC 1-7): A47J31/00 A47J31/06 B65B43/42

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European class: A47J31/06 A47J31/24 A47J31/30 A47J31/36B4D2 A47J31/40H A47J31/44A A47J31/44H A47J31/46 A47J31/52 A47J31/54 A47J31/54A1 A47J31/56 B65D81/00B3 B65D85/804B K47J201/00 K47J31/36 K47J31/36A4F

US class: 1/1 222/1 222/129 222/145.5 222/154 222/23 222/325 222/82 29/700 29/700S 426/232 426/431 426/431P 426/433 99/279 99/279P 99/279S 99/281 99/281S 99/289R 99/295 99/295P 992/95

[Classification Explorer](#)

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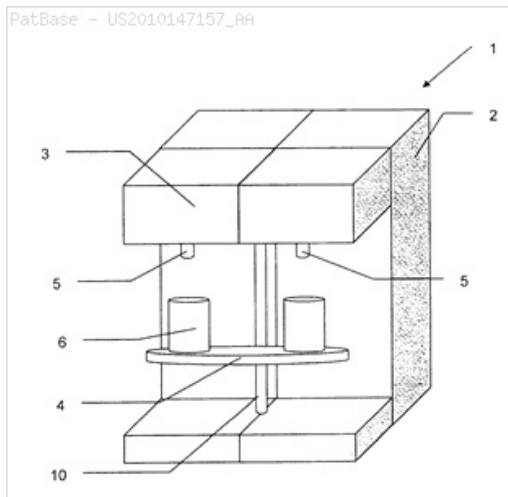
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Forward Citations:

WO18033312, WO17202746, WO17034251, WO16133858, WO15016799, WO14164088, WO12079267, WO12079265, WO12079264, WO12062842, WO12041605, WO12010470, USD817061, USD812971, US9999315, US9968217, US9907432, US9896321, US9890029, US9888805, US9877495, US9815617, US9801495, US9783361, US9738505, US9730547, US9700171, US9687108, US9557097, US9504348, US9492028, US9481508, US9469517, US9463921, US9440839, US9439532, US9352287, US9320382, US9307860, US9255819, US9198536, US9186018, US9125521, US9085453, US8974846, US8936819, US8863987, US8836956, US2017238754, US2017020328, US2016244249, US2016242456, US2016242455, US2016095465, US2016051080, US2015257586, US2015182063, US2015173560, US2015173559, US2015013279, US2014352802, US2014348994, US2014331217, US2014328983, US2014299000, US2014263432, US2014224375, US2014170278, US2010275786, US10233070, US10213751, US10130208, US10080459, US10077183, US10070751, US10046904, US10046903, US10045656, US10045654, US10034570, US09999315, TWI647166, RU2667613, RU2665813, RU2563224, KR101756830, KR101582633, KR101392410, JP2015502216, JP2014514940, JP2013510680, JP2011024703, JP2010536669, EP3190067, EP3190067, EP3079533, EP2992792, EP2992792, EP2548483, EP2410894, EP2409608, DE102017121077, DE102017121070, CN108001804, CN107857226, CN106993947, CN105358021, CN105228496, CN105078244, CN104114067, CN104114067, CN104105433, CN104105433, CN104043967, CN103945740, CN103945740, CN103596474, CN103596474, CN103501665, CN103237482, CN103237482, CN103124509, CN103096767, CN102642646, AU2014270508,

Abstract:

A delivery head for a beverage preparation machine comprising a movable first part, a fixed second part and a cartridge guide; the first part being movable between an open position and a clamping position; the cartridge guide being operatively engaged with the first part and slidably movable relative to the second part between a loading position and a dispensing position; the cartridge guide being located in the loading position when the first part is in the open position so as to enable loading of a cartridge into the cartridge guide; wherein on movement of the first part into the clamping position the cartridge guide is slidable into the dispensing position due to the operative engagement of the cartridge guide with the first part.



52) Family number: 61034918 (CA2911766C)

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Title:	A METHOD AND SYSTEM UTILIZING TWO BEVERAGE CARTRIDGES FOR PREPARATION OF FIRST AND SECOND PORTIONS OF A BEVERAGE UNE METHODE ET UN SYSTEME EMPLOYANT DEUX CARTOUCHES DE BOISSON POUR														
Priority:	GB20030001738 20030124 CA20042805014 20040123	GB20030001745 20030124 CA20152805014 20151118	GB20030001739 20030124												
Family:	<table border="1"> <thead> <tr> <th>Publication number</th><th>Publication date</th><th>Application number</th><th>Application date</th></tr> </thead> <tbody> <tr> <td>CA2911766 AA</td><td>20040805</td><td>CA20042911766</td><td>20040123</td></tr> <tr> <td>CA2911766 C</td><td>20180918</td><td>CA20042911766</td><td>20040123</td></tr> </tbody> </table>			Publication number	Publication date	Application number	Application date	CA2911766 AA	20040805	CA20042911766	20040123	CA2911766 C	20180918	CA20042911766	20040123
Publication number	Publication date	Application number	Application date												
CA2911766 AA	20040805	CA20042911766	20040123												
CA2911766 C	20180918	CA20042911766	20040123												
Probable Assignee:	KRAFT FOODS R AND D INC														
Assignee(s):(std):	KRAFT FOODS R AND D INC														

Assignee(s): BALLARD COLIN ; DOUWE EGBERTS BV KONINKLL ; GOMEZ MARIA ; HALLIDAY ANDREW ; PANESAR SATWINDER

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

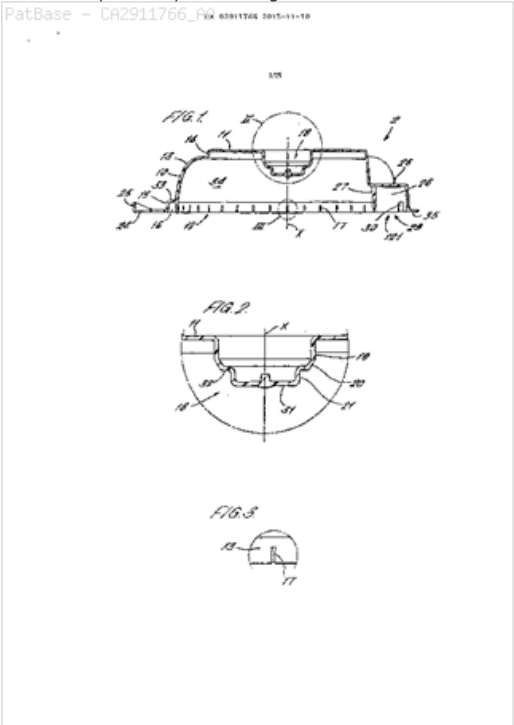
Agent(s): OSLER HOSKIN AND HARCOURT LLP

International class (IPC 8-9): A47J31/06 A47J31/36 A47J31/40 A47J31/44 B65D81/00 B65D85/72 B65D85/804 (Advanced/Invention); B67D1/00 (Advanced/Non-invention)

CPC: B65D85/8043 A47J31/0673 A47J31/3695 A47J31/4492 B67D2001/0812

[Classification Explorer](#)

Abstract:
A method of preparing a beverage comprising the steps of: a) inserting a first beverage cartridge containing one or more beverage ingredients into a beverage preparation machine; b) operating the beverage preparation machine to pass an aqueous medium through the first beverage cartridge to dispense a first portion of the beverage into a receptacle; c) inserting a second beverage cartridge containing one or more beverage ingredients into the beverage preparation machine; and d) operating the beverage preparation machine to pass an aqueous medium through the second beverage cartridge to dispense a second portion of the beverage into the receptacle. One of the first or second beverage cartridges contains a liquid dairy-based ingredient.



53) Family number: 21373922 (FR1257243A) © PatBase

Title: APPAREIL POUR LA PREPARATION DES INFUSIONS APPARATUS FOR THE PREPARATION OF HERBAL TEAS (Machine translation)

Priority: FR19600820585 19600307

Family:

Publication number	Publication date	Application number	Application date
FR1257243 A	19610331	FR19600820585	19600307

Probable Assignee: AUTOMATIC CANTEEN CO

Assignee(s):(std): AUTOMATIC CANTEEN CO

Assignee(s): AUTOMATIC CANTEEN CO OF AMERICA ; AUTOMATIC CANTEEN COMPANY OF AMERICA

International class (IPC 8-9): A47J31/18 A47J31/40 A47J31/60 (Advanced/Invention); A47J31/00 A47J31/40 A47J31/44 (Core/Invention)

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

CPC: A47J31/18 A47J31/60

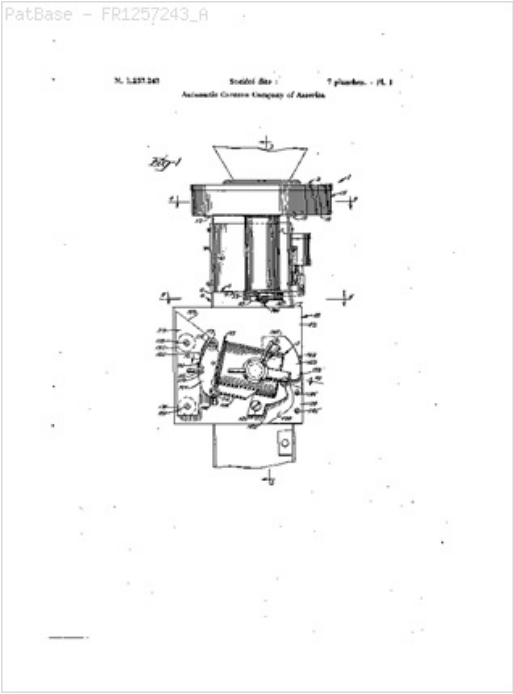
European class: A47J31/18 A47J31/40A A47J31/60

[Classification Explorer](#)

Abstract:
Source: FR1257243A [FR] [Source: Claim 1] 1. Un appareil pour la preparation des infusions permettant l'admission d'une matiere a infuser dans un liquide infuseur, afin d'obtenir une boisson infusee, et permettant la separation de la boisson obtenue de la matiere a infuser, cet appareil etant remarquable notamment par les caracteristiques suivantes considerees separement ou en combinaisons: a. Il comprend un dispositif de support, un recipient d'infusion monte tournant sur ce dispositif de support de maniere a pouvoir passer par rotation, a partir d'une position normale par une position de reception de la matiere a infuser, une position d'infusion et une position de rincage pour revenir a sa position normale un dispositif monte sur le dispositif de support pour l'admission de la matiere a infuser dans ledit recipient, pendant que celui-ci passe par sa position de reception de ladite matiere, un dispositif d'alimentation pour assurer l'introduction du liquide dans le recipient et l'evacuation de ce liquide hors du recipient pendant la rotation de celui-ci, et un dispositif pour ouvrir et fermer ledit recipient, ce dernier dispositif comprenant un systeme de montage fixe sur le recipient, un couvercle, un pivot servant a articuler le couvercle sur le dispositif de montage, un dispositif a cames, monte sur le dispositif de support, et un dispositif d'entrainement, comprenant ledit pivot, qui est relie au couvercle et qui peut s'engager contre le dispositif a

came, pendant la rotation du recipient, pour deplacer le couvercle entre sa position d'ouverture et sa position de fermeture; b. Le recipient comporte une extremite fermee et une extremite ouverte, le dispositif d'entrainement du couvercle comprend deux organes d'appui de came, qui sont montes sur le couvercle a une certaine distance l'un de l'autre, et le dispositif a cames comprend deux cames pouvant etre engagees par lesdits organes d'appui pendant la rotation; c. Un support allonge s'etend en travers dudit couvercle, le pivot s'etendant a travers une extremite de ce support et etant fixe sur le recipient de maniere a articuler le couvercle; d. L'appareil d'infusion comprend un dispositif de commande, comportant un arbre, destine a faire tourner le recipient au cours d'un cycle de fonctionnement, le dispositif d'alimentation comprend un tube de mesure pour maintenir une reserve de matiere a infuser au-dessus du recipient, un dispositif d'obturation comportant un couvercle, permettant de commander cette alimentation, le couvercle etant monte pivotant sur ledit tube de mesure, de maniere, a pouvoir se deplacer entre une position d'ouverture et une position de fermeture, un ressort, qui sollicite le couvercle vers sa position de fermeture, une came comportant une surface peripherique engagee normalement contre le couvercle pour maintenir celui-ci en position de fermeture contre la sollicitation du ressort, cette came comportant une autre partie peripherique, qui est engagee avec le couvercle, pendant une partie du cycle de fonctionnement, de maniere a liberer le couvercle de l'action du ressort et a lui permettre de passer en position d'ouverture, et un dispositif pour entrainer cette came en rotation pendant le cycle de fonctionnement; e. Le dispositif entrainant en rotation la came de commande du couvercle du tube de mesure comprend un second arbre allonge, dispose sensiblement perpendiculaire au premier arbre, des engrenages montes sur lesdits arbres et reliant le premier arbre au second arbre de maniere a les faire tourner ensemble, le second arbre comportant une partie regulable longitudinalement, de maniere a permettre le deplacement des engrenages l'un par rapport a l'autre et la rotation de ladite came, sans faire tourner le premier arbre, afin de regler la position de la came par rapport au recipient; f. Le dispositif entrainant la came en rotation comprend un arbre allonge ou second arbre, sensiblement perpendiculaire au premier arbre, un engrenage a taille spirale monte sur ledit second arbre de maniere a tourner avec lui, un deuxieme engrenage a taille spirale en prise avec le premier engrenage pour l'entrainer en rotation, ledit deuxieme engrenage etant monte sur le premier arbre de facon a tourner avec celui-ci, ledit premier engrenage etant regulable le long de l'axe du deuxieme arbre de maniere a entrainer celui-ci en rotation par rapport au premier arbre et a regler ainsi la position de la came par rapport au couvercle; g. Ledit deuxieme arbre comprend deux extremités pouvant se deplacer l'une par rapport a l'autre dans la direction axiale, un dispositif pour entrainer le premier engrenage le long de l'axe du deuxieme arbre comportant l'une desdites extremités, et un dispositif pour deplacer dans la direction axiale ladite extremite; h. L'appareil d'infusion comprend un organe d'appui de came sur le couvercle du tube de mesure, la came etant montee tournante par rapport au couvercle et comportant une surface peripherique exterieure dont la plus grande partie a la forme d'un arc de cercle, tandis que sa partie restante constitue une echancrure, la partie en arc de cercle etant normalement appliquee contre l'organe d'appui de came de maniere a maintenir le couvercle dans sa position normale, la came ne pouvant pas maintenir le couvercle en dehors de sa position dite active a l'encontre de la sollicitation du ressort quand l'organe d'appui de came se trouve dans ladite echancrure, le dispositif d'entrainement en rotation de la came maintenant l'organe d'appui de came alternativement au contact de la partie echancree et de la partie en arc de cercle; i. Le dispositif de commande de la rotation du couvercle du tube de mesure- comprend un levier monte pivotant sur le dispositif de support, de maniere a se deplacer entre une position de maintien et une position de liberation, ce levier etant dispose de maniere a s'appliquer contre le couvercle et a empecher celui-ci de tourner lorsque ledit levier se trouve dans sa position de maintien, ce levier liberant le couvercle, pour permettre sa rotation, quand ledit levier occupe sa dite position de liberation; j. L'organe de support comporte une fente ouverte sur un bord, deux axes montes dans cet organe, un coulisseau allonge comportant une fente en forme de L ecartee des bords dudit coulisseau, celui-ci pouvant etre deplace entre une premiere position, pour laquelle lesdits axes s'etendent tous les deux a travers une branche de ladite fente en forme de L, et une seconde position, dans laquelle chacun des axes s'etend a travers une branche correspondante de la fente en forme de L, le coulisseau etant place de maniere a maintenir un organe dans la premiere fente mentionnee, quand ledit coulisseau se trouve dans sa premiere position, et etant place a une certaine distance de ladite premiere fente quand il occupe sa deuxieme position; k. Le coulisseau repose horizontalement sur la fente du bord de l'organe de support, quand il occupe sa premiere position, et il fait un angle aigu avec l'horizontale, tout en se trouvant lateralement a une certaine distance de ladite fente, quand il occupe sa deuxieme position; l. Le dispositif de support comporte deux fentes s'ouvrant dans la meme direction generale, un dispositif complementaire devant etre supporte par le dispositif de support, comportant deux axes, qui peuvent etre deplaces respectivement pour entrer dans l'une des fentes et pour en sortir, un coulisseau comportant une fente en forme de L, deux axes traversant ladite fente, ces deux axes s'etendant normalement, pour une premiere position du coulisseau, a travers la meme branche de la fente en forme de L, ce coulisseau pouvant se deplacer sur l'un desdits axes pour venir occuper une deuxieme position, dans laquelle l'un de ces deux axes est dispose dans une branche et l'autre axe est dispose dans l'autre branche de la fente en forme de L, et un ressort relie au coulisseau, ledit ressort etant place de maniere a solliciter celui-ci vers sa deuxieme position, ce coulisseau etant normalement engage avec l'un des axes du dispositif, par dessus cet axe et en travers de l'ouverture de l'une des fentes du dispositif de support, afin de maintenir ledit dispositif complementaire dans ladite paire de fentes, le ressort maintenant alors le coulisseau dans la position ou les deux axes de celui-ci sont disposes dans la premiere branche de la fente en L. **Machine translation:** [Source: Claim 1] 1. An apparatus for the preparation of infusions for the admission of a matter has infused in a brewing liquid to obtain a brewed beverage, and for the separation of the beverage obtained a brew of matter, this device being remarkable in particular by the following characteristics regarded separately or in combination: a. It comprises a support device, a freight container infusion turning this way supporting device has to go through rotation, from a normal position by a reception position of the material has to infuse a brewing position and a rinsing position to return to its normal position device mounted on the support device for admission of matter is infused into said container while it goes through its receipt position of said matter, a device line to ensure the introduction of the liquid in the vessel and the evacuation of the liquid out of the container during rotation thereof, and means for opening and closing said container, the latter device comprising a fixed mounting system on the container, a lid, a pin serving to articulate the cover on the mounting device, a device has cams, mounted on the support device, and a drive device comprising said pivot pin, which is connected to the lid and which can engage against the device has cam during rotation of the container, to move the lid between its ouverte position and its closed position; b. The container has a closed end and an open end, the lid of the training device comprises two cam support bodies, which are mounted on the lid at a distance from each other, and the device has cams includes two cams that can be incurred by said support members during rotation; c. An elongate support extends across said lid, the pivot extending through one end of said support and being fixed on the container so as to articulate the lid; d. The infusion device comprises a control device, having a shaft, indicated to rotate the container during a cycle of operation, the supply device comprises a measuring tube to maintain a reserve of material has to infuse. au-dessus du container, a closure device comprising a lid, for controlling this power supply, the cover being pivotally mounted on said measuring tube in such a manner, to be movable between an open position and a closed position, a spring biasing the lid to its closed position, a cam having a peripheral area engagee normally against the cover to hold it in the closed position against the bias of spring, this cam having another peripheral portion, which is engaged with cover for part of the operating cycle, a way to free the spring action of the cover and allow it to pass into the open position, and a device for driving this cam rotated during the operating cycle; e. The device causing control of the cam in rotation of the measuring tube of the lid includes a second elongated shaft, arranged substantially perpendicular to the first shaft, the mounted gears on said shafts and connecting the first shaft to the second manner of tree rotate together, the second shaft having a longitudinally adjustable part of the way to permit displacement of the gears relative to the other and rotation of the cam, without rotating the first tree, to settle beyond the cam position relative to container; f. The device causing the rotation cam comprises an elongated or second shaft shaft, substantially perpendicular to the first shaft, a gear has spiral size fitted on said second way shaft to rotate therewith, a second gear has size spirally engaged with the first gear to drive it in rotation, said second gear being mounted on the first way of shaft to rotate therewith, said first gear being adjustable along the axis of the second manner of driven shaft thereof rotatably relative the first shaft and thereby adjusting the position of the cam relative to the lid; g. Said second shaft comprises two ends being movable relative to the other in the axial direction, a device for driving the first gear along the axis of the second shaft having one of said ends, and a device for move axially said extremity; h. The infusion apparatus comprises a cam bearing member of the measuring tube of the lid, the cam being rotatably mounted relative to the cover and having an outer peripheral surface of which the largest part has the shape of an arc circle, while its remaining portion is an indentation, the arcuate portion being normally applied against the manner of cam support member to maintain the cover in its normal position, the cam is not capable of maintaining the lid apart from its so-called active position against the bias of the spring when the cam support member is in said indentation, the cam rotary drive device holding the cam bearing member alternately in contact with the indented portion and part of the circular arc; i. The control device of the rotation of the measurement- tube of the lid comprises a lever pivotally mounted on the supporting device so as to move between a holding position and a release position, said lever being arranged to s' applied against the cover and prevent it from rotating when said lever is in its holding position, the lever releasing the lid for rotation when said lever is in its said release position; j. The support member comprises an open slot on one edge, two axes mounted in this body, an elongated slide having a shaped slot of L spaced from the edges of said slide, the latter being movable between a first position, in which said axes both extend through a leg of said L-shaped

slot, and a second position, wherein each of the axes extends through a corresponding leg of the slot L-shaped, the slide being up so as to maintain an organ in the first mentioned slot when said slide is in its first position, and instead being a distance from said first slot when it is in its second position; k. The slide rests horizontally on the slit from the edge of the support member, when it occupies its first position, and it makes an acute angle with the horizontal, while being laterally spaced from said slot, when it occupies its second position; l. The support device has two slots opening in the same direction generale, a complementary device to be supported by the support device having two axes, which can be displaced respectively to enter one of the slots and out, a slide having a slot-shaped L, both axes passing through said slot, these two axes extending normally to a first position of the slide, through the same branch of the slot formed'L, said slide being movable on one of said pins so as to occupy a second position in which one of these two axes is arranged in a branch and the other axis is arranged in the other branch of the L-shaped slot, and spring connects to the slide, said spring being positioned to urge the latter towards its second position, said slide normally being engaged with one of the axes of the device, above this axis and through the opening of a slots of the support device, for maintaining said device in said complementary pair of slots, the spring now then the slider in the position where the two axes thereof are arranged in the first branch of the slot L.



8-9):

CPC:

A47J31/52 A47J31/3623 A47J31/3676 A47J31/4407 A47J31/4417

US class:

99/279 99/288 99/289R 99/295 99/302R

[Classification Explorer](#)

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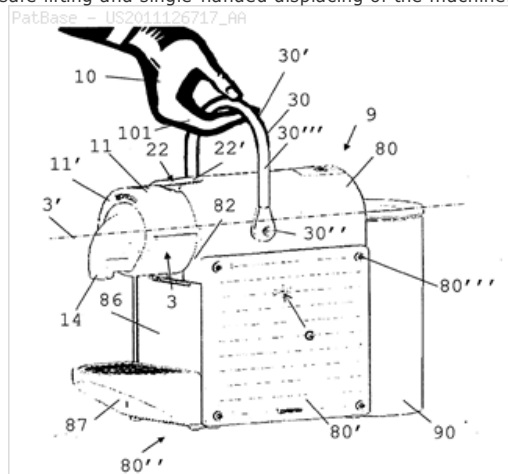
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Abstract:

A machine for preparing a beverage having a main body containing a brewing unit and a handle movable relative to the main body, so as to act on the brewing unit to open the brewing unit for introduction or removal of an ingredient into and from the unit, and act to close the brewing unit for extraction of such ingredient within the unit. The movable handle has a gripping part and is arranged to be drivable by a human hand. The main body and the movable handle are so connected and configured that the gripping part has a carrying position in which the gripping part is seizable by the human hand for safe lifting and single-handed displacing of the machine.



55) Family number: 57696940 (DE102013207734A1)

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Title:

INTERIEURBAUGRUPPE MIT EINEM AN EINER ZAPFSTELLE ANGEORDNETEN TRINKBECHER

Priority:

DE201310207734 20130426

Family:

Publication number	Publication date	Application number	Application date
CN204279171 U	20150422	CN201420216787U	20140425
DE102013207734 A1	20141030	DE201310207734	20130426

Probable Assignee: LISA DRAEXLMAIER GMBH

Assignee(s):(std): DRAEXLMAIER LISA GMBH ; LISA DRAEXLMAIER GMBH

Inventor(s):(std): WINKLBAUER MANFRED ; WINDL MICHAEL ; THALHAMMER RAINER ; RAINER THALHAMMER ; MICHAEL WINDL ; MANFRED WINKLBAUER

International class (IPC) A47J31/40 B60N3/10 (Advanced/Invention)
8-9):

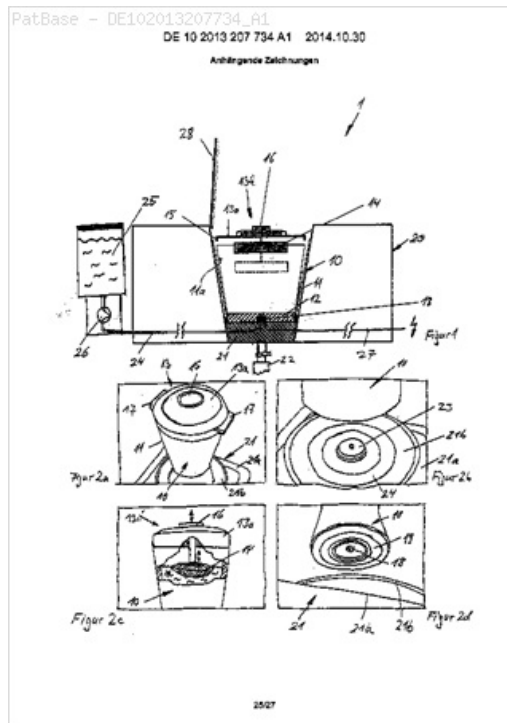
CPC: A47J31/005

[Classification Explorer](#)

Forward Citations: WO18189071, EP3387966, DE102016015454, CN105857150,

Abstract:

Source: DE102013207734A1 [DE] Es wird eine Interieurbaugruppe fuer ein Kraftfahrzeug beschrieben. Die Interieurbaugruppe umfasst einen Bruehbehaelter (40), der einen Aufnahmeraum fuer eine Fluessigkeit aufweist und in dem ein Substratbehaelter (14) angeordnet ist, mindestens eine Zapfstelle, an der ein Trinkbecher (10) positionierbar und mit der Fluessigkeit aus dem Aufnahmeraum befuellbar ist, und mindestens eine Fluessigkeitsleitung (42), die den Bruehbehaelter (40) fluessigkeitsfuehrend mit der Zapfstelle verbindet, wobei durch die mindestens eine Fluessigkeitsleitung (42) aufgebraeutes Heissgetraenk aus dem Bruehbehaelter (40) in den Trinkbecher (10) abfuellbar ist.



56) Family number: 43365942 (US2010251900A)

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Title: USED CAPSULE OR POD RECEPTACLE FOR LIQUID FOOD OR BEVERAGE MACHINES

Priority:

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EP20090742087	20090506	WO2009EP55464	20090506		

Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee:

NESTEC SA

Assignee(s):(std):

ALEXANDRE KOLLEP ; CAHEN ANTOINE ; FRANK KRAEUCHI ; GEORGIEV DIMITAR ; KAESER STEFAN ; KOLLEP ALEXANDRE ; NESTEC S A ; NESTEC SA ; PIAI GUIDO ; KREITMAYR BERNHARD ; KRAEUCHI FRANK ; SCHENK RUDOLF ; OZANNE MATTHIEU ; MOERI PETER ; STEFAN KAESER ; MATTHIEU OZANNE ; NESTEC S A ; NESTEC SA ; YOAKIM ALFRED

Inventor(s):(std):

ALFRED YOAKIM ; ANTOINE CAHEN ; CAHEN ANTOINE ; CAHEN ANTONIE ; IOAKIM AL FRED ; KAEHN ANTUAN ; KAESER STEFAN ; GEORGIEV DIMITAR ; KASER STEFAN ; KEZER SHTEFAN ; KOLLE ALEKSANDR ; KOLLEP ALEXANDRE ; KRAEUCHI FRANK ; KRAUCHI FRANK ; KREJTMAYR BERNKHARD ; KROJCHI FRANK ; KROJKHI FRANK ; MERI PETER ; MOERI PETER ; MORI PETER ; OZANN MAT E ; OZANNE MATTHIEU ; KREITMAYR BERNHARD ; P JAI GUIDO ; PETER MOERI ; PIAI GUIDO ; SCHENK RUDOLF ; SHENK RUDOLF ; STEFAN KAESER ; YOAKIM ALFRED ; RUDOLF SCHENK ; MATTHIEU OZANNE ; GUIDO PIAI ; FRANK KRAEUCHI ; DIMITAR GEORGIEV ; BERNHARD KREITMAYR ; ALEXANDRE KOLLEP

Inventor(s):

STEFAN KASER ; SCHENK RUDOLF 3510 ; PIAI GUIDO 81377 ; PETER MORI ; KREITMAYR BERNHARD 85276 ; OZANNE MATTHIEU 74500 ; KRAEUCHI FRANK 1417 ; KRAUCH FRANK ; KASER STEFAN KOLLEP ALEXANDRE KRAUCHI FRANK OZANNE MATTHIEU YOAKIM ALFRED ; GEORGIEV DIMITAR 81927 ; KAESER STEFAN 5000 ; FRANK KRAUCHI ; ANTONIE CAHEN ; CAHEN ANOINE

Agent(s):

SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; HARNECKER; MITSCHERLICH PATENT U RECHTSANWALTE PARTMBB; RUPP CHRISTIAN; SCHNYDER FRANK SIMON; ISERN JORGE; ZHONGZI IP; WINSTON AND STRAWN LLP,PATENT DEPARTMENT; WINSTON AND STRAWN LLP PATENT

DEPARTMENT; WINSTON AND STRAWN LLP; 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 CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8-9): A23L2/54 A47G19/00 A47J A47J27/21 A47J31/00 A47J31/057 A47J31/10 A47J31/18 A47J31/34 A47J31/36 A47J31/40 A47J31/41 A47J31/44 A47J31/46 A47J31/52 A47J36/06 A47J36/34 B23P11/00 B67D1/16 B67D7/06 B67D7/08 H05B3/68 (Advanced/Invention); A47J31/00 A47J31/18 A47J31/41 A47J31/44 A47J31/46 A47J31/52 A47J36/34 (Advanced/Non-invention); A47J31/00 A47J31/44 A47J36/00 B65B7/28 (Core/Invention); A47J31/00 A47J31/44 A47J36/00 (Core/Non-invention); A47J (Subclass/Invention)

International class (IPC 1-7): A47J31/36 A47J31/44

CPC: A47J31/3619 A47J31/3638 A47J31/4403 A47J31/4421 A47J31/4485 A47J2201/00 A47J31/18 Y10T29/49826 A47J31/46 A47J31/52 A47J31/44

European class: A47J31/44 A47J31/44A A47J31/44A2E2P A47J31/44D K47J201/00

US class: 1/1 219/443.1 219/443.100S 220/908 220/908.3 222/129.1 222/129.100S 29/428 29/428S 99/279 99/280 99/280P 99/289R 99/290 99/290P 99/295 99/300 99/300P 99/323.1 99/323.100P 993/231

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DE102006060748 B3

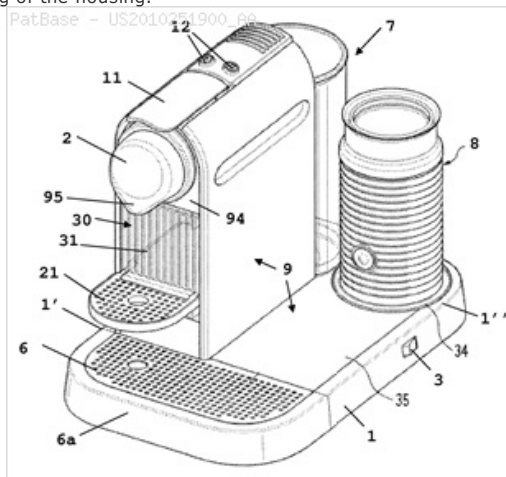
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Forward Citations: WO18158179, WO18108808, WO18108807, WO18108804, WO18069268, WO18069266, WO18046400, WO17216133, WO17194574, WO17148965, WO17081055, WO17039448, WO16202816, WO16202815, WO16202814, WO16083488, WO16083485, WO16083484, WO16005351, WO16005350, WO16005349, WO16005348, WO15155145, WO15140091, WO15096998, WO15086371, WO15084202, WO14056862, WO14056810, WO14056642, WO14056641, WO13127907, WO13127906, WO13127476, WO13124188, WO13104643, WO13104636, WO13098173, WO13041580, WO13037783, WO13037782, WO13037781, WO13026856, WO13026845, WO13026844, WO13026843, WO12136666, WO12136643, WO12097916, WO12093157, WO12093108, WO12093107, WO12072767, WO12072766, WO12072764, WO12072761, WO12072758, WO12072724, WO12055767, WO12055765, WO12032019, WO12007313, WO12007260, WO12000878, WO11154492, WO11144733, WO11144723, WO11144722, WO11144720, WO11144719, WO11144647, WO11131595, WO11095511, WO11095509, WO11095502, WO11089210, WO11086088, WO11086087, WO11086052, WO11083103, WO11067264, WO11067232, WO11067227, WO11067191, WO11067188, WO11067181, WO11067171, WO11067156, WO11054889, WO11042401, WO11042400, WO11029813, WO11026853, WO11020779, USD838532, USD836371, USD832019, USD831398, USD830756, USD830754, USD817080, USD801112, USD795631, USD779258, USD738667, USD728987, USD726482, USD726481, USD726478, USD724369, US9999315, US9968217, US9930987, US9877495, US9844293, US9809440, US9795247, US9783361, US9693652, US9668608, US9661950, US9565968, US9510707, US9504348, US9452866, US9439533, US9439532, US9398829, US9392901, US9357872, US9351603, US9345360, US9277839, US9138096, US9125518, US9119503, US9101247, US9066624, US9049960, US8973489, US8973485, US8925442, US8915177, US8850957, US8839832, US8800433, US8789429, US8714031, US8695484, US8613246, US8600223, US8573116, US8479640, US2017020328,

US2017013994, US2016175789, US2016150911, US2015257586, US2015144004, US2015125586, US2015082989, US2014137746, US2014020564, US2013291737, US2013276636, US2013174743, US2013160654, US2013081739, US2013032042, US2013025465, US2012285966, US2012285331, US2010300301, US2010263550, US2010263547, US2010263543, US2010251900, US10229401, US10178925, US10078934, US10070751, US10029221, US10007397, US09999315, NL2015386, NL2003409, KR101934343, JP5963771, JP5855092, JP2016518906, JP2016043929, JP2015503973, JP2015503376, JP2014526322, JP2014502901, JP2013535242, JP2013529121, JP2013526357, JP2013517025, JP2013500100, ITMI20130724, ITFI20120036, EP3305143, EP3277136, EP3223668, EP3166456, EP3128880, EP3079531, EP3076833, EP3076831, EP2908706, EP2906094, EP2906093, EP2906092, EP2906089, EP2861109, EP2819559, EP2802245, EP2798986, EP2755537, EP2755536, EP2755535, EP2747611, EP2747610, EP2747609, EP2747608, EP2745749, EP2745749, EP2727503, EP2688449, EP2645912, EP2633789, EP2592980, EP2571404, EP2531084, EP2525693, EP2507597, EP2478804, EP2474254, EP2353474, EP2353473, EP2353469, EP2340750, DE112012001531, DE102014109761, DE102014109760, DE102014109760, DE102012200751, CN107007147, CN106572768, CN106470579, CN106413437, CN106163349, CN106132254, CN105640326, CN105640326, CN105075121, CN105075121, CN104869874, CN104869874, CN104398150, CN104379033, CN103987300, CN103874441, CN103874441, CN103860015, CN103781389, CN103781388, CN103338683, CN103338683, CN103284609, CN103260486, CN103260486, CN102946773, CN102802477, CN102802477, CN102791172, CN102695443, AU2012238731, AU2011263725,

Abstract:

A machine for preparing liquid food or beverage from a beverage or food ingredient contained in a capsule or pod. The machine includes a liquid food or beverage preparation unit arranged to receive capsules or pods for use and evacuate capsules or pods after use; a housing having an opening leading into a seat to which capsules or pods are evacuated from the preparation unit; and a receptacle having a cavity forming a storage space for collecting capsules or pods evacuated to the seat into the receptacle to a level of fill. The receptacle is insertable into the seat for collecting capsules or pods and is removable from the seat for emptying the collected capsules or pods. The preparation machine further comprises a mechanism to inhibit jamming of the receptacle at removal from the seat when the level of fill in the receptacle extends above the opening of the housing.



57) Family number: 32119988 (US2005160919A)

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Title: BREWING DEVICE FOR A COFFEE MAKER
Priority: DE200410004314 20040128 DE200520021159U 20050119 EP20050001056 20050119
CA20052494612 20050120

Family:	Publication number	Publication date	Application number	Application date
	AR047471 AA	20060118	AR2005P100291	20050127
	AT407602 E	20080915	AT20050001056T	20050119
	AU2005200157 AA	20050811	AU20050200157	20050117
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	CA2494612 AA	20050728	CA20052494612	20050120
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	JP2005211659 A2	20050811	JP20050019652	20050127
	KR20060042865 A	20060515	KR20050007341	20050127
	MXPA05001140 A1	20051018	MX2005PA01140	20050128
	RU2005101959 A	20060710	RU20050101959	20050127
	RU2288627 C2	20061210	RU20050101959	20050127
	TW200531666 A	20051001	TW20050101121	20050114
	US2005160919 AA	20050728	US20050044372	20050127

Probable Assignee: RED ROSES SA

Assignee(s):(std): BALKAU WERNER ; RED ROSES S A ; RED ROUZIZ S A ; WERNER BALKAU ; TCHIBO GMBH

Assignee(s): REDONE SA ; RED ROUZIZ SA ; RED ROSES SA

Inventor(s):(std): BALKAU WERNER ; BALKAU WERNER ; RED ROSES S A ; SCHIFFERLE RENE ; WERNER BALKAU

Inventor(s): ALKAU WERNER ; WENER BALKAU ; RED ROSES SA

Agent(s): PATENT ATTORNEY SERVICES; CASSAN MACLEAN; PONCHIROLI SIMONE; 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

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

International class (IPC 8-9): A47J A47J31/00 A47J31/06 A47J31/36 A47J31/40 A47J31/44 (Advanced/Invention); A47J31/00 (Advanced/Non-invention); A47J31/00 A47J31/06 A47J31/24 A47J31/40 A47J31/44 (Core/Invention)

International class (IPC 1-7): A47J31/00 A47J31/18 A47J31/24 A47J31/40 A47J31/44 A47J31/6

CPC: A47J31/0673 A47J31/369 A47J31/3695 A47J31/446

European class: A47J31/06C A47J31/06P4B A47J31/36B4D A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A4

US class: 99/279 99/295 99/302R 99/2950

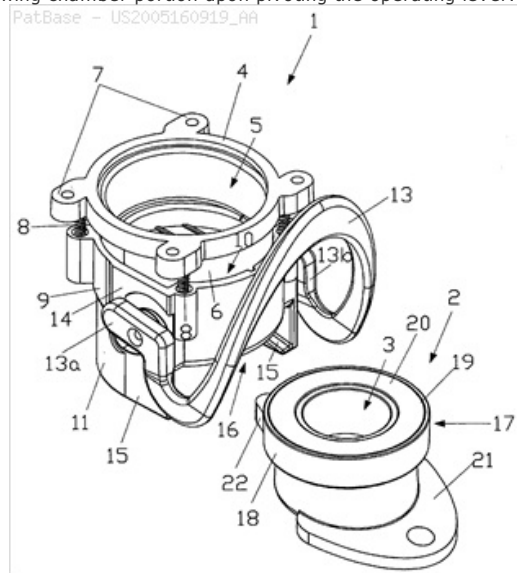
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Forward Citations: WO18109574, WO17075560, WO17046338, WO16039543, WO13114200, WO11073310, WO09149897, WO08096385, WO08078348, WO08072295, WO07111884, WO07111884, WO07042588, USD744774, USD738149, US9980602, US9888805, US9708109, US9675203, US9661948, US9615597, US9585513, US9538877, US9516970, US9487348, US9468230, US9445687, US9409705, US9371174, US9272827, US9271599, US9260284, US9167934, US8950318, US8895095, US8846120, US8820215, US8770095, US8740020, US8707855, US8590753, US7513192, US2015173560, US2015040772, US2014331217, US2013167733, US2013139697, US2013118360, US2013008316, US2012285334, US2012093990, US2011223302, US2011183055, US2011166910, US2011086148, US2010275787, US2009308259, US2008196593, US10231571, US10206534, US10154751, US10136754, US10130208, US10111554, TWI405553, TWI389660, RU2592769, RU2570370, KR20180078687, KR101906020, KR101780857, KR101565187, KR101497069, KR101314897, KR101277288, JP6046165, JP5800764, JP5719356, JP5698136, JP2016536037, JP2015505496, JP2015505496, JP2012530522, JP2012501782, JP2012501781, JP2012254302, JP2011506012, IT201600126287, ES2245618, EP3143910, EP3143910, EP3017729, EP2599413, EP2572610, EP2335529, EP2133008, EP2111778, EP1996051, EP1746466, DE102013008893, DE102012025145, CN107242767, CN107232918, CN105916417, CN104093341, CN104093341, CN103169378, CN102939033, CN102939033, CN102149306, CN101862121, AU2008212121, AU2007229870,

Abstract:

The brewing device comprises a brewing chamber constituted by an upper and a lower brewing chamber portion. The lower brewing chamber portion includes a chamber for receiving the coffee powder portion, and the upper brewing chamber portion includes a closure element for closing the chamber in the lower brewing chamber portion. The upper brewing chamber portion comprises an inner element provided with the closure element, and an outer element coaxially disposed and axially movable with regard to the inner element. The lower brewing chamber portion is adapted to be fixed to the outer element of the upper brewing chamber portion. The outer element of the upper portion comprises a pivotal operating lever connected to the inner element of the upper brewing chamber portion by an actuating member disposed eccentrically to the axis of rotation of the lever to cause an axial relative movement between the inner element and the outer element of the upper brewing chamber portion upon pivoting the operating lever.



Title: ACTUATOR FOR CLOSING A BEVERAGE INGREDIENT HOLDER
Priority: EP20110173527 20110712 EP20120737765 20120712 WO2012EP63660 20120712
Family:

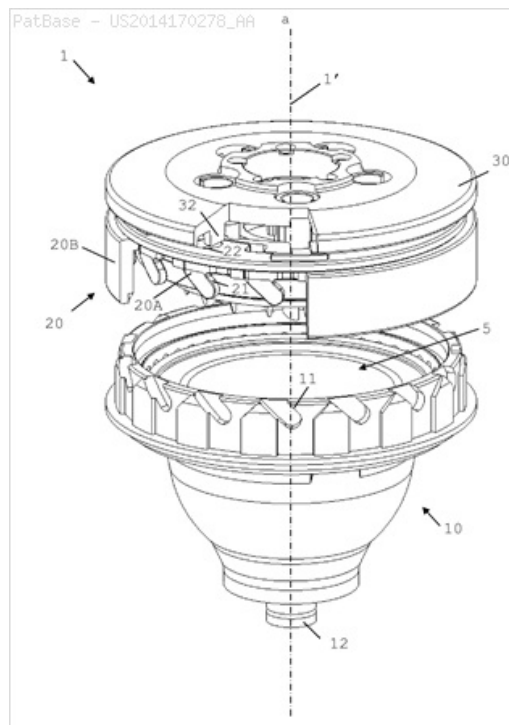
Publication number	Publication date	Application number	Application date
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US2014170278 AA	20140619	US20120232449	20120712
US8936819 BB	20150120	US20120232449	20120712
WO13007780 A1	20130117	WO2012EP63660	20120712

Probable Assignee: NESTEC SA
Assignee(s):(std): BONACCI ENZO ; CAPROTTI PATRICK ; GUNSTONE ANDREW ; NESTEC SA ; PERENTES ALEXANDRE ; NESTEK SA
Assignee(s): NESTEC S A
Inventor(s):(std): ALEXANDRE PERENTES ; ANDREW GUNSTONE ; BONACCI ENZO ; CAPROTTI PATRICK ; ENZO BONACCI ; GUNSTONE ANDREW ; PATRICK CAPROTTI ; PERENTES ALEXANDRE
Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWALTE PARTMBB; SCHNYDER FRANK SIMON; K AND L GATES LLP; 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 CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW
International class (IPC 8-9): A47J31/06 A47J31/22 A47J31/40 A47J31/44 (Advanced/Invention)
CPC: A47J31/407 A47J31/22 A47J31/0673
US class: 426/425 426/429 426/431 426/432 426/433 426/435 99/295 99/302R 99/323

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Forward Citations: WO17046294, USD764226, USD757492, CN106572768,

Abstract:
A receptacle holding unit (1) for a device for preparing a beverage from an ingredient contained in a receptacle (2) comprises: -a first part (10); -a second part (20) that is movable towards the first part, in particular along a longitudinal axis (1'), into a closed position for holding the receptacle in such unit and relatively apart from the first part into an open position for inserting the receptacle into such unit and/or for removal therefrom; -a fastening device (11, 21) having a fastened configuration for fastening together the first and second parts (10, 20) in the closed position and an unfastened configuration such to enable movement of the first and second parts out of the closed configuration; and -an actuator (30) movable between an open configuration and a closed configuration to drive the first part and the second part between the open and the closed positions. The actuator is movable along a straight axis (1') to drive the first part (10) and the second part (20) into the closed position and further movable along said axis (1') to actuate the fastening device (11, 21) from the unfastened configuration to the fastened configuration.



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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: NESTEC SA
Assignee(s):(std): CAHEN ANTOINE ; GRANGER ERIC ; NESTEC SA ; RITHENER BLAISE
Assignee(s): NESTEC S A
Inventor(s):(std): CAHEN ANTOINE ; GRANGER ERIC ; RITHENER BLAISE
Inventor(s): BLAISE RITHENER ; ANTOINE CAHEN ; ERIC GRANGER
Agent(s): MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; SCHNYDER FRANK SIMON; VOSSIUS AND PARTNER PATENTANWAELTE RECHTSANWAELTE MBB; ISERN JORGE; ZHONGZI IP; SCHNYDER FRANK
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European class: A47J31/36A4D A47J31/36B4 A47J31/44A1

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Abstract:

A machine (1) for preparing a beverage having: a beverage preparation module (1') for holding a flavouring ingredient and circulating a liquid there through to form said beverage; a handle (10,12,10',12') movable between a transfer position for loading said ingredient into the module and/or evacuating said ingredient from the module, and a circulation position for circulating said liquid through said ingredient; and a user-interface (20,20a,20b) for initiating circulation of the liquid through the flavouring ingredient in the beverage preparation module. The handle has a drive portion (12,12') arranged to be contacted and driven by a human hand (50) to move the handle between the transfer position and the circulation position. The handle (10,12,10',12') and the user-interface (20,20a,20b) are arranged so that said user-interface is operable by said human hand (50) while said hand is still in contact with the drive portion (12,12') of the handle upon driving the handle into the circulation position.

