

Search history

Search 1: CPC=(A47J31/44) (Results 1732)
Search 2: milk and coffe (Results 116)
Search 3: 1 and 2 (Results 1)
Search 4: steam and milk and drink (Results 2945)
Search 5: 1 and 4 (Results 51)

1) Family number: 58499031 (US2016175789A)

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Title: AGITATION BLADE, AGITATION APPARATUS, BEVERAGE PREPARATION APPARATUS, AND AGITATION PORTION

Abstract: An agitation blade for agitating a liquid includes a cylindrical core having a central axis of rotation and a plurality of blade portions provided on a side of a first surface of a rotation portion, and the plurality of blade portions are provided to surround the central axis of rotation and provided to be rotated with respect to a center of rotation of the central axis of rotation.

Classifications:

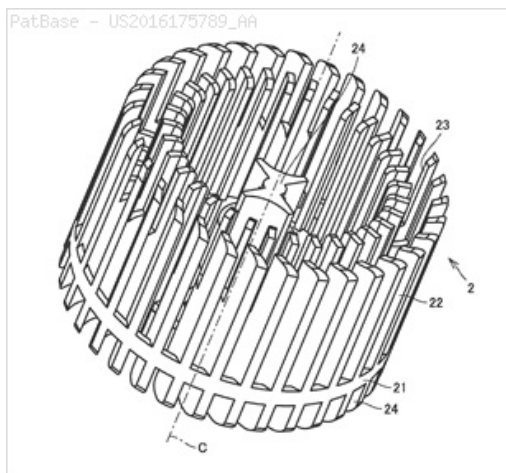
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CPC: B01F7/0025 B01F13/08 A47J31/42 A47J31/462 B01F7/18 A47J31/40 A47J31/44 A47J43/0465 A47J43/0722 B01F5/108 B01F7/00241 B01F7/00558 B01F7/00583 B01F13/0872

US: 366/273 366/279 366/331 366/343 99/286

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JP F-Index: A47J31/00/101 A47J31/40/101 A47J31/40/102 A47J31/40/104 A47J31/42 A47J31/44/430 A47J31/50/203 A47J43/046 A47J43/07 A47J43/08 B01F13/08 B01F7/16/F



Family:

Publication number	Publication date	Application number	Application date
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CA2920135 C	20180327	CA20142920135	20140804
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CN105451615 B	20180216	CN201480043383	20140804
ID201705215 A	20170519	ID2016P0001484	20140804
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JP2017170439 A2	20170928	JP20170077588	20170410
JP6125018 B1	20170510	JP20150530874T	20140804
RU2016107855 A	20170914	RU20160107855	20140804
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US10029221 BB	20180724	US20140909202	20140804
WO15019988 A1	20150212	WO2014JP70447	20140804

Priority:

JP20130162316 20130805 JP20140016471 20140131 WO2014JP70447 20140804
JP20150530874T 20140804 JP20170077588 20170410

Probable Assignee: SHARP KK

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Inventor(s): HIDEKAZU SHIMA ; MASARU MISUMI ; TAKESHI SAWADA

Agent(s): G RONALD BELL AND ASSOCIATES; IR YT WIDJOJO; FUKAMI PATENT OFFICE PC; OOO YURIDICHESKAYA GORODISSKIY I PARTNER FA; KEATING AND BENNETT LLP

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

Title: CARTRIDGE AND METHOD FOR THE PREPARATION OF BEVERAGES

Abstract: A cartridge (1) for use in a beverage preparation machine, the cartridge containing one or more beverage ingredients (200) and being formed from substantially air- and water-impermeable materials, the cartridge comprising an inlet (121) for the introduction of an aqueous medium into the cartridge and an outlet (122) for discharge of a beverage produced from the one or more beverage ingredients, wherein the one or more beverage ingredients is a liquid chocolate ingredient.

Classifications:

International (ipc 8-9): A23F5/24 A23G1/00 A23G1/30 A23L2/00 A47J31/06 A47J31/24 B65D B65D77/00 B65D81/00 B65D85/72

B65D85/804 (Advanced/Invention);

A47J31/24 B65D81/00 B65D85/804 (Advanced/Non-invention);

B65D85/804 (Core/Non-invention);

B65D (Subclass/Invention)

International (ipc 1-7): A47J31/24 B65D81/00 B65D85/804

CPC: B65D85/8043 A23G1/56 A23L2/38 A47J31/0673 A47J31/3695

A47J31/44 A47J31/4403 A47J31/4489

European: B65D85/804B

US: 99/279P

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3E067/AB26 3E067/AB27 3E067/AB99 3E067/BA02 3E067/BB14

3E067/BB15 3E067/BB16 3E067/BB25 3E067/CA04 3E067/CA10

3E067/CA24 3E067/EA06 3E067/EA32 3E067/EB01 3E067/EB29

3E067/EE28 3E067/EE60 3E067/FA01 3E067/FC01 3E067/GD10

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4B017/LP15 4B017/LP18 4B027 4B027/FB24 4B027/FC10

4B027/FE06 4B027/FE08 4B027/FQ17 4B104 4B104/AA20

4B104/AA23 4B104/BA46 4B104/BA53 4B104/BA57 4B104/EA10

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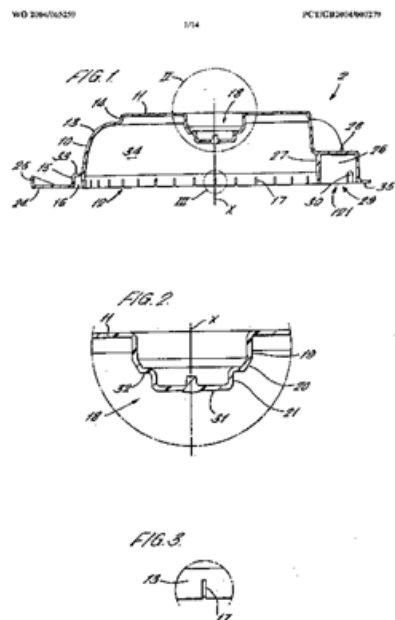
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A47J31/44/430 B65D77/00/A B65D77/00/C B65D85/72/F

B65D85/72/200 B65D85/73

PatBase - WO04065259_A1

**Family:**

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KR20050107746 A	20051115	KR20057013569	20040123
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MXPA05007865 A1	20051018	MX2005PA07865	20040123
NO20053935 A	20051021	NO20050003935	20050823
NO20053935 A0	20050823	NO20050003935	20050823
PL204602 B1	20100129	PL20040377944	20040123
PL377944 A1	20060220	PL20040377944	20040123
RU2005126724 A	20060610	RU20050126724	20040123
RU2362721 C2	20090727	RU20050126724	20040123
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WO04065259 A1	20040805	WO2004GB00279	20040123

Priority:

GB20030001702 20030124

EP20040250365 20040123

WO2004GB00279 20040123

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

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Inventor(s): HALLIDAY ANDREW BALLARD COLIN PANESAR SATWINDER RE ; HALLIDAY ANDREW BALLARD COLIN PANESAR ; SATWINDER SINGH PANESAR ; HALLIDAY ANDREW BALLARD COLIN PANESAR SATWINDER RENDLE GEOFF GOMEZ MARIA ; COLIN DARREL BALLARD ; ANDREW MICHAEL HALLIDAY

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

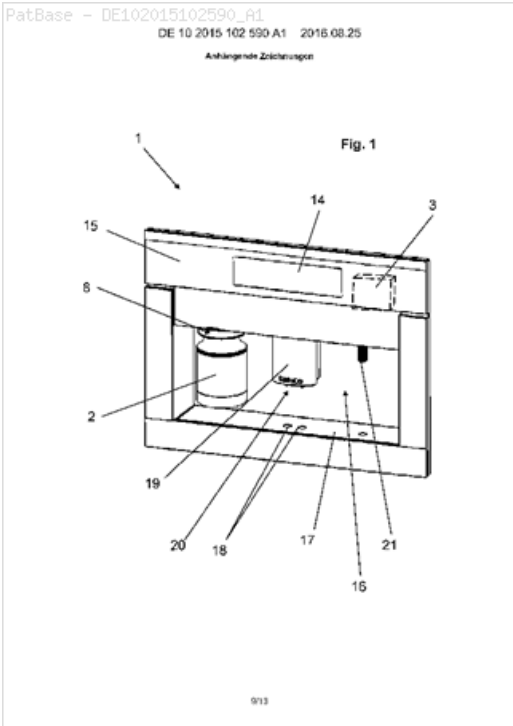
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3) Family number: 63306095 (DE102015102590A1) © PatBase

Title: GETRAENKEAUTOMAT UND VERFAHREN ZUR MESSUNG DER GEWICHTSKRAFT EINES VORRATSBEHAELTERS IN EINEM DERARTIGEN GETRAENKEAUTOMATEN GETRAENKEAUTOMAT AND METHOD FOR MEASURING THE WEIGHT FORCE OF VORRATSBEHAELTERS IN SUCH GETRAENKEAUTOMATEN (Machine translation)

Abstract: Source: DE102015102590A1 [DE] Vorgestellt wird ein Getraenkeautomat (1), umfassend einen Vorratsbehälter (2), eine Steuerungseinrichtung (3) und eine Füllstandsmessvorrichtung zur Bestimmung des Füllstandes des Vorratsbehälters (2), der erfindungsgemäss dadurch weitergebildet ist, dass die Füllstandsmessvorrichtung mindestens einen mit der Steuerungseinrichtung (3) korrespondierenden Kraftsensor (4) zur Erfassung der Gewichtskraft des Vorratsbehälters (2) aufweist. Die Erfindung betrifft ferner ein Verfahren zur Messung der Gewichtskraft eines Vorratsbehälters (2) in einem derartigen Getraenkeautomaten (1), das dadurch gekennzeichnet ist, dass vor der ersten Messung des Gewichts des Vorratsbehälters (2) eine Kalibrierung der Füllstandsmessvorrichtung durchgeführt wird, wobei das mindestens eine Expansionsglied (10) sich bei aus dem Getraenkeautomaten (1) entnommenem Vorratsbehälter (2) entspannt und dadurch den Kraftsensor (4) entlastet, sodass damit eine Nullstellung des Kraftsensors (4) definiert wird, die einen in der Steuerungseinrichtung (3) zu speichernden Ausgangswert fuer nachfolgende Messungen bei vorhandenem Vorratsbehälter (2) bildet. **Machine translation:** Is Presented a Getraenkeautomat (1) comprising a storage containers (2), a control device (3) and a level measuring device for determining the level of Vorratsbehälters (2), the erfindungsgemäss is further developed in that the level measuring at least one of the control means (3) corresponding force sensor (4) for detecting the weight of the Vorratsbehälters (2). The invention further relates to a method for measuring the weight of a Vorratsbehälters (2) in such a Getraenkeautomaten (1), which is characterized in that before the first measurement of the weight of Vorratsbehälters (2) a calibration of the level measuring is carried out, wherein the at least an expansion member (10) is entnommenem in from the Getraenkeautomaten (1) storage containers (2) relaxed and thus the force sensor (4) relieved, so therefore a zero position of the force sensor (4) is defined to be stored one in the control device (3) output measurement for subsequent measurements with existing storage containers (2).

Classifications:
International (IPC 8-9): A47J31/41 A47J31/56
G01F23/20 (Advanced/Invention)
CPC: G01F23/20 A47J31/44 A47J31/4457 A47J31/4485 G01F25/0061
G01G17/06



Family:

Publication number	Publication date	Application number	Application date
DE102015102590 A1	20160825	DE201510102590	20150224

Priority:

Probable Assignee: MIELE AND CIE
Assignee(s): (std): MIELE AND CIE
Assignee(s): MIELE AND CIE KG
Inventor(s): (std): LINKE PATRICK

4) Family number: 48791101 (US2011097466A)

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Title: VACUUM BREWED BEVERAGE MACHINE AND VACUUM BREWING METHOD

Abstract: The desired amount of coffee grounds, tea leaves, herbs or other beverage making material is placed in a chamber of glass vessel located on a moveable table top in its lowered position. The table top is then elevated until the upper edge of the vessel seals against a top seal. With the top sealed, the desired amount of water of about 185 degrees -212 degrees Fahrenheit is introduced into the chamber through a port in the top. Thereafter, a vacuum is drawn in the chamber and is held within the range of about -5 to -20 Hg in. Using an external heat source, the brewing liquid is maintained at about 185 degrees -212 degrees Fahrenheit. Alternatively, the vacuum can be pulsed by turning it on and off several times during the brewing cycle. After the beverage has brewed for the desired amount of time, the heat and vacuum are removed, the chamber is returned to atmospheric pressure and the table top is lowered to release the vessel. The contents of the chamber are then strained to remove solids from the beverage.

Classifications:

International (IPC 8-9): A23D9/02 A23F3/16 A23F3/18 A23F3/36 A23F5/24 A23F5/26 A23L2/04 A23L2/38 A23L2/54 A23L2/56 A47J31/00 A47J31/043 A47J31/06 A47J31/18 A47J31/32 A47J31/40 A47J31/44 A47J36/04 B01D11/02 B67D1/08 C12G3/00 C12G3/04 C12J1/08 (Advanced/Invention); A47J31/043 A47J31/24 (Advanced/Non-invention)

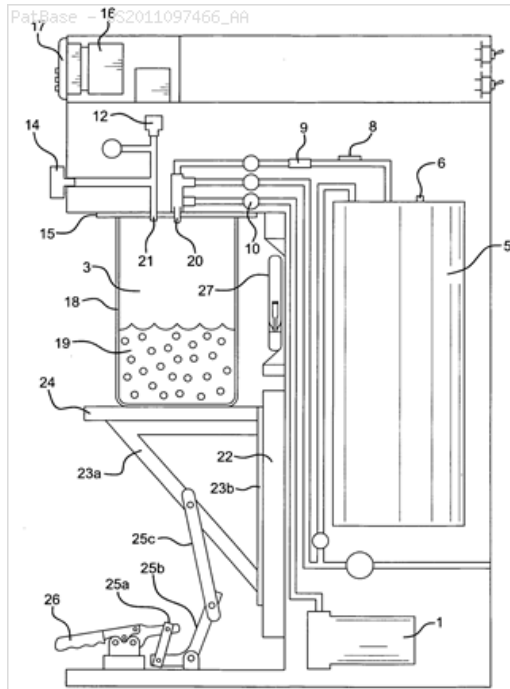
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European: A47J31/44 K47J31/043

US: 1/1 426/416 426/425 426/426 426/427 426/428 426/429 426/430 426/431 426/431S 426/432 426/433 426/433P 426/435 426/435S 426/436 426/437 426/442 99/285 99/288 99/288S 99/292 99/292S 99/300 99/300S

JP F-Term: 4B104 4B104/AA09 4B104/AA30 4B104/BA16 4B104/BA35 4B104/EA21 4B104/EA40 4B017 4B017/LG14 4B017/LG15 4B017/LP01 4B017/LT05 4B027 4B027/FB13 4B027/FB24 4B027/FC10 4B027/FP73 4B027/FQ08 4B027/FR01 4B104/AA11 4B104/BA53 4B104/BA81 4B104/BA82 4B104/BA90 4B104/CA04 4B104/CA17 4B104/CA26 4B104/CA27 4B104/DA57 4B104/EA30 4B117 4B117/LG00 4B117/LG17 4B117/LG18 4B117/LG30 4B117/LP01 4B117/LT05 3E082 3E082/BB01 3E082/CC03 3E082/CC10 3E082/DD20 3E082/EE01 4B017/LG01 4B017/LK04 4B027/FB21 4B027/FE06 4B104/AA20 4B104/BA15 4B104/BA22 4B104/BA41 4B104/BA45 4B104/BA63 4B104/BA83 4B104/CA02 4B104/CA03 4B104/DA58 4B104/EA10 4B104/EA25 4B117/LG01 4B117/LK04 4D056 4D056/AB12 4D056/AC06 4D056/AC22 4D056/BA13 4D056/CA01 4D056/CA14 4D056/CA21 4D056/CA22 4D056/CA28 4D056/CA33 4D056/CA39 4D056/CA40 4D056/DA01 4D056/DA02 4D056/DA06 4B027/FP72 4B027/FQ06 4B104/BA36 4B104/CA10 4B104/DA11 4B104/DA45

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**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

US20090589784	20091028	EP20100827264	20101014	JP20120536783	20101014
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Probable Assignee: BKON LLC

Assignee(s): (std): BKON LLC ; DEAN J VASTARDIS ; VASTARDIS DEAN J ; VASTARDIS LOU

Assignee(s): VASTARDIS DEAN J PALMYRA

Inventor(s): (std): VASTARDIS DEAN J ; VASTARDIS LOU ; DEAN J VASTARDIS

Inventor(s): VASTARDIS DEAN ; VASTARDIS DEAN J PALMYRA

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

5) Family number: 54507176 (DE102012201704A1)

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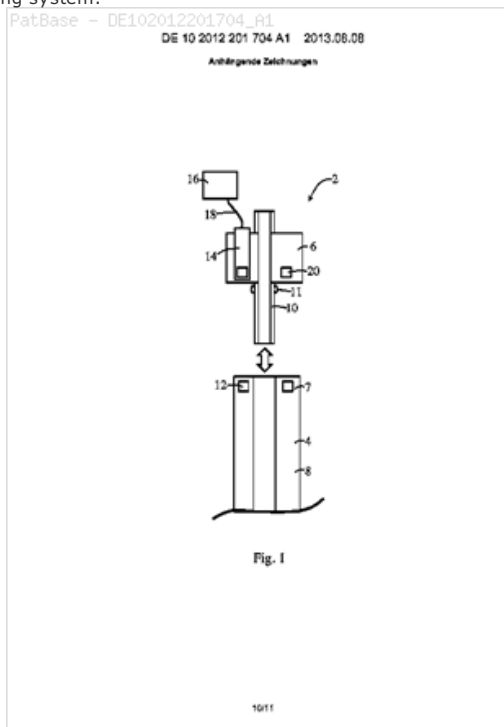
Title: FLUID PIPING SYSTEM FOR DRINK PREPARATION DEVICE, HAS SENSOR AND DETECTING SECTION THAT ARE FORMED FOR DIFFERENTIATING SEPARATION STATE OF TWO CONNECTION PARTNERS FROM CONNECTED STATE OF TWO CONNECTION PARTNERS

Abstract: The fluid piping system (2) has two connection partners (4,6) for connecting fluid path together. A sensor (14) and a detecting section (12) are provided at the connection partners respectively. The sensor and detecting section are formed for differentiating separation state in which the two connection partners are disconnected from each other from a connected state in which the two connection partners are connected to each other. Independent claims are included for the following: (1) a drink preparation device; and (2) method for checking fluid piping system.

Classifications:

International (IPC 8-9): A47J31/44 A47J31/46 (Advanced/Invention)

CPC: A47J31/44 A47J31/46



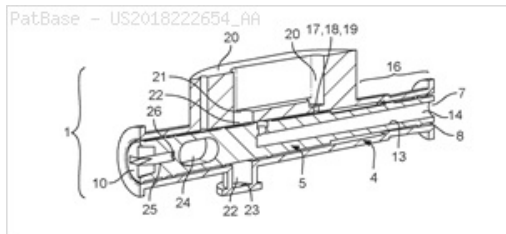
Family:

Publication number	Publication date	Application number	Application date
DE102012201704 A1	20130808	DE201210201704	20120206

Priority:

Abstract: A fitment for a package for preparing a beverage connectable to a machine for supplying sanitized liquid to the package is disclosed. The fitment includes a sealing portion and a housing and a fluid connector for fluidly connecting to the machine and to supply liquid inside the container. Also disclosed are packages containing same and methods of producing and using same.

International (IPC s-9): A47J31/00 A47J31/40 A47J31/44 A47J31/46
B65D75/58 B65D85/804 B65D85/816 B67D1/00 B67D1/04 F16K3/26
F16K31/00 (Advanced/Invention);
B65D85/804 B67D1/00 B67D1/04 B67D1/07
B67D1/08 (Advanced/Non-invention)
CPC: B65D75/5883 B65D85/816 B65D2575/583 B67D1/0078
B67D1/0081 B67D1/04 B67D2001/075 B67D2210/00015 F16K3/265
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B67D2210/00013 F16K3/26

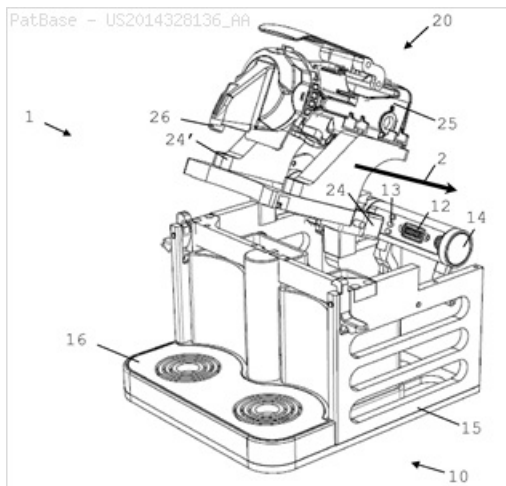


Publication number	Publication date	Application number	Application date
CN107922178 A	20180417	CN201680047357	20160822
DE602016011131 D1	20190328	DE201660011131T	20160822
EP3341320 A1	20180704	EP20160754289	20160822
EP3341320 B1	20190313	EP20160754289	20160822
US2018222654 AA	20180809	US20160749710	20160822
US10233002 BB	20190319	US20160749710	20160822
WO17032732 A1	20170302	WO2016P69784	20160822

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 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 ZW ZW

Abstract: A beverage preparation machine (1) includes: a base (10) having a fluid circuit for conditioning and delivering a fluid via a base outlet (11) and a base data interface (12,13); and a removable module (20) having a module inlet (21) and a module data interface (22,23) disconnectably connectable to the base outlet and the base data interface, respectively. The base (10) may have a base connector block (14) for mechanical connection to the module (20), the base outlet (11) and the base data interface (12,13) being borne by the base connector block (14). The module (20) can have a module connector block (24) for mechanical connection to the base (10), the module inlet (21) and the module data interface (22,23) being borne by the module connector block (14).

International (IPC 8-9): A47J31/06 A47J31/40 A47J31/44 A47J31/46 A47J31/52 (Advanced/Invention)
CPC: A47J31/4403 A47J2201/00 A47J31/44 A47J31/407 A47J31/52
US: 366/151.1
JP F-Term: 4B104 4B104/AA20 4B104/AA23 4B104/AA27 4B104/BA15 4B104/BA21 4B104/BA59 4B104/BA81 4B104/CA02 4B104/CA10 4B104/DA03
JP F-Index: A47J31/06/A A47J31/36/120 A47J31/40/107 A47J31/44/Z A47J31/44/100 A47J31/44/185 A47J31/44/510 A47J31/46



Family:

Publication number	Publication date	Application number	Application date
AU2012307512 AA	20130321	AU20120307512	20120912
BR112014005798 A2	20170328	BR20141105798	20120912
CA2845399 AA	20140213	CA20122845399	20120912
CN103781387 A	20140507	CN201280043517	20120912
DE602012030482 D1	20170511	DE201260030482T	20120912
EP2755536 A1	20140723	EP20120756502	20120912
EP2755536 B1	20170329	EP20120756502	20120912
IN01740DN2014 A	20150306	IN2014DN01740	20140307
JP2014526324 T2	20141006	JP20140530186T	20120912
RU2014115205 A	20151027	RU20140115205	20120912
US2014328136 AA	20141106	US20120345184	20120912
WO13037782 A1	20130321	WO2012EP67749	20120912

Priority:

EP20110181668 20110916 EP20120756502 20120912 WO2012EP67749 20120912

Probable Assignee: NESTEC SA

Assignee(s): (std): NESTEC SA ; NESTEK SA ; PHAN MINH QUAN ; YOAKIM ALFRED ; PERENTES ALEXANDRE ; AGON FABIEN LUDOVIC ; AIT BOUZIAD YUCEF

Assignee(s): NESTEC S A

Inventor(s): (std): ALEXANDRE PERENTES ; ALFRED YOAKIM ; FABIEN LUDOVIC AGON ; MINH QUAN PHAN ; PERENTES ALEXANDRE ; YOAKIM ALFRED ; YUCEF AIT BOUZIAD ; PHAN MINH QUAN ; AIT BOUZIAD YUCEF ; AGON FABIEN LUDOVIC

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

8) Family number: 66638257 (US2019045968A)

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Title: DRINKS PREPARATION MACHINE

Abstract: A drinks preparation machine includes a preparation module for preparing a brewed drink from water and from an extraction material or extract and further includes a display device. The machine is configured to permit a user to make the setting of a first drinks quantity before a start of the drinks preparation, and after the start, during the drinks preparation, to permit the adjustment of a remaining drinks quantity, which is different from zero, via the operating element.

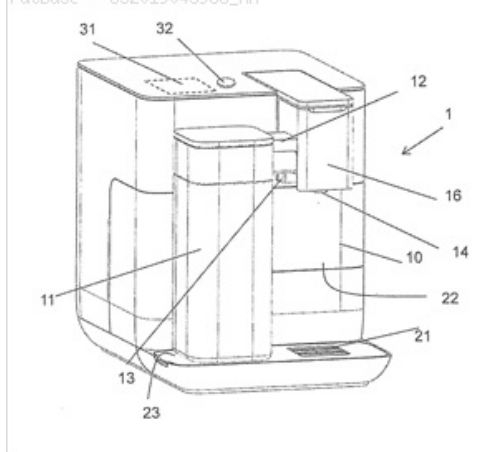
Classifications:

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International (IPC 1-7): A47J31/44

CPC: A47J31/4457 A47J31/4403 A47J31/545 A47J31/4485 A47J31/402 A47J31/44

PatBase - US2019045968_AA

**Family:**

Publication number	Publication date	Application number	Application date
BR112018016425 A2	20181226	BR20181116425	20170210
CA3012081 AA	20180720	CA20173012081	20170210
CN109068881 A	20181221	CN201780010714	20170210
EP3205244 A1	20170816	EP20160155564	20160212
EP3413766 A1	20181219	EP20170705088	20170210
US2019045968 AA	20190214	US20170076767	20170210
WO17137569 A1	20170817	WO2017EP53020	20170210

Priority:

EP20160155564 20160212 WO2017EP53020 20170210

Probable Assignee: QBO COFFEE GMBH

Assignee(s): (std): QBO COFFEE GMBH

Assignee(s): GODDE WOLFGANG ; HARTMANN DOREEN

Inventor(s): (std): DORREN HARTMANN ; GODDE WOLFGANG ; HARTMANN DOREEN ; GOEDDE WOLFGANG ; WOLFGANG GOEDDE

Agent(s): AVENTUM IP LAW LLP; FREI PATENT ATTORNEYS

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

9) Family number: 15891287 (US6324963B)

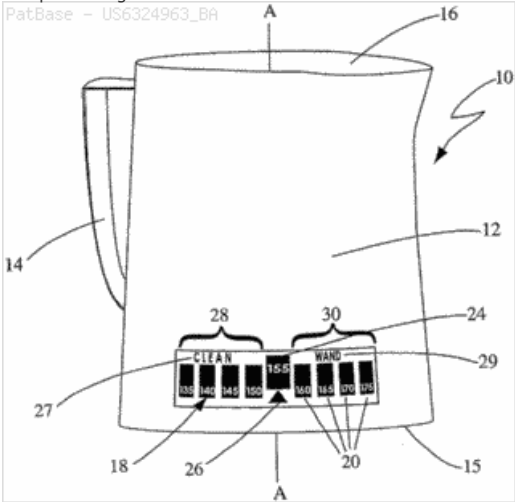
© PatBase

Title: Liquid crystal thermometer for steaming pitchers

Abstract: A steaming pitcher for preparing hot beverages with a liquid crystal thermometer attached to an exterior surface of the pitcher for detecting the temperature of any liquid contained therein. The liquid crystal thermometer eliminates the need for conventional food service thermometers that are placed in the liquid being heated.

Classifications:

International (IPC 8-9): A47J31/44 G01K1/14 G01K13/12 (Advanced/Invention); A47J31/44 G01K1/14 G01K13/00 (Core/Invention)
International (IPC 1-7): A47J31/00 G01K1/14 G01K13/12
CPC: A47J31/44 A47J31/4485 G01K1/14 G01K13/12
European: A47J31/44 A47J31/44D G01K1/14 G01K13/12
US: 374/150 374/157 374/162 374/E01.018 374/E1.018 374/E13.012 99/285 99/323.3 99/343 992/850



Family:

Publication number	Publication date	Application number	Application date
US6324963 BA	20011204	US20000586236	20000602

Priority:

US20000586236 20000602

Probable Assignee: CIRASOLE VINCENT
Assignee(s): (std): CIRASOLE VINCENT
Inventor(s): (std): CIRASOLE VINCENT

10) Family number: 57573345 (US2016058238A)

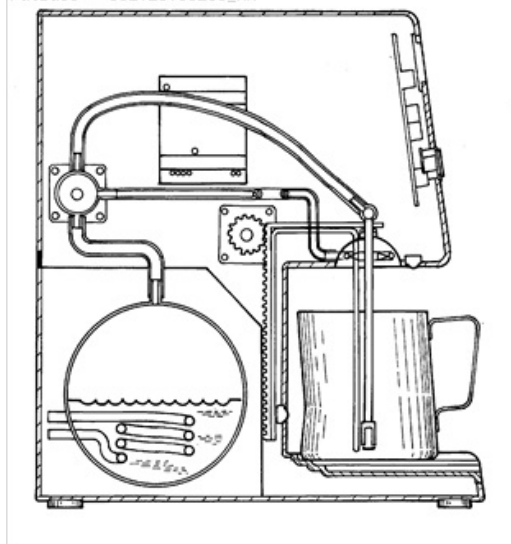
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Title: ESPRESSO MILK FROTHER

Abstract: A milk frothing apparatus which includes a steam probe; a jug and jug support; a sensor to determine the depth of milk in a jug. The steam probe or jug support is movable preferably driven by stepper motor, to maintain the tip of the probe below the milk surface. A temperature sensor monitors the temperature of the milk in the jug. A micro controller is programmable to start the process; maintain the position of the steam probe relative to the milk surface, stop the process when the milk reaches a desired temperature and maintain records of the number of cycles and a measure of the quantity of milk treated. By using a sensor to measure the distance to the milk surface in a jug the tip of the steam probe can be maintained at the appropriate distance below the milk surface by moving the jug relative to the probe or preferably moving the probe. The process can be more precisely controlled by sensing the milk temperature and ensuring that the process is completed before the milk becomes too hot. The units may use steam generated in the espresso machine or use a designated steam boiler. The units may have multiple stations each with a jug and steam probe and associated temperature sensor. The stations may have the provision of a locking mechanism to prevent removal of the jug while the process is in progress.

Classifications:

International (IPC 8-9): A23C9/152 A47J A47J31/44 (Advanced/Invention)
CPC: A47J31/44 A47J31/4489 A23C9/1524
US: 261/130
JP F-Term: 4B104 4B104/AA27 4B104/BA40 4B104/BA80 4B104/CA02 4B104/CA08 4B104/CA13 4B104/CA18 4B104/DA13 4B104/EA19
JP F-Index: A47J31/44/420

**Family:**

Publication number	Publication date	Application number	Application date
AU2014252763 AA	20151008	AU20140252763	20140410
AU2014252763 BB	20160623	AU20140252763	20140410
BR112015025544 A2	20170718	BR20151125544	20140410
CA2908714 AA	20151002	CA20142908714	20140410
CN105120720 A	20151202	CN201480020780	20140410
DE602014026710 D1	20180705	DE201460026710T	20140410
DK2983571 T3	20180917	DK20140783062T	20140410
EP2983571 A2	20160217	EP20140783062	20140410
EP2983571 A4	20161221	EP20140783062	20140410
EP2983571 B1	20180606	EP20140783062	20140410
ES2688705 T3	20181106	ES20140783062T	20140410
HU040218 T2	20190228	HU20140783062T	20140410
IN08808DN2015 A	20160603	IN2015DN08808	20150924
JP2016518179 T2	20160623	JP20160506728T	20140410
KR20150140290 A	20151215	KR20157027821	20140410
NO20151309 A	20151002	NO20150001309	20151002
NZ712513 A	20160729	NZ20140712513	20140410
RU2015137767 A	20170512	RU20150137767	20140410
RU2015137767 A3	20180322	RU20150137767	20140410
RU2680647 C2	20190225	RU20150137767	20140410
SG11201507995U A1	20151029	SG20151107995	20140410
US2016058238 AA	20160303	US20140783574	20140410
WO14165911 A2	20141016	WO2014AU00384	20140410
WO14165911 A3	20141218	WO2014AU00384	20140410
ZA201508219 A	20180131	ZA20150008219	20140410

Priority:

AU20130901216 20130410 AU20140252763 20140410 WO2014AU00384 20140410
 RU20150137767 20140410 EP20140783062 20140410

Probable Assignee: PURTON WILLIAM**Assignee(s):** (std): PERTON UILYAM VESTMOR ; PURTON WILLIAM ; PURTON WILLIAM WESTMORE ; WILLIAM WESTMORE
PURTON**Inventor(s):** (std): PERTON UILYAM VESTMOR ; PURTON WILLIAM WESTMORE ; WILLIAM WESTMORE PURTON**Agent(s):** IP STRATEGIES; BAXTER PATENT ATTORNEYS PTY LTD; RIDOUT AND MAYBEE LLP; UEXKUELL AND
STOLBERG PARTNERSCHAFT VON PATENT U RECHTSANWAELEN MBB; SANDERSON AND CO;
ELZABURU SLP ELZABURU SLP; PATENTIKA; MISCHLEWSKI DARRYL**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE 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 EF EG FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID
IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN
MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG
SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**11) Family number: 64429347 (US2016367069A)**

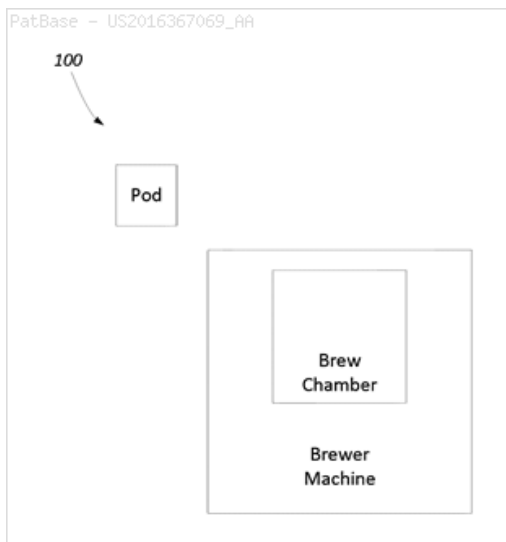
© PatBase

Title: BEVERAGE PREPARATION SYSTEMS WITH ADAPTABLE BREW CHAMBERS**Abstract:** Various beverage preparation systems, components, and methods are disclosed. In some embodiments, the system includes a brewer machine and a beverage pod. The brewer machine can include a brew chamber unit, which can receive the beverage pod. The brew chamber unit can be adapted to receive multiple beverage pod types. Some embodiments include a drawer that includes the brew chamber and that moves to present the brew chamber unit to a user. Certain embodiments include locking mechanisms.**Classifications:****International (IPC 8-9):** A23F5/26 A47J31/00 A47J31/06 A47J31/24
A47J31/36 A47J31/40 A47J31/44 A47J31/46

B65D85/804 (Advanced/Invention)

CPC: A47J31/407 A23F5/262 B65D85/8043 A47J31/0605

A47J31/0642 A47J31/0647 A47J31/0668 A47J31/3633 A47J31/3676
A47J31/44 A47J31/446 A47J31/4467
US: 426/115
JP F-Term: 4B104 4B104/AA12 4B104/AA20 4B104/BA53
4B104/BA57 4B104/BA63 4B104/EA21
JP F-Index: A47J31/06/110 A47J31/36/320 A47J31/44/180



Family:

Publication number	Publication date	Application number	Application date
AU2016280619 AA	20180118	AU20160280619	20160609
BR112017027374 A2	20180821	BR20171127374	20160609
CA2988525 AA	20171205	CA20162988525	20160609
CN107847071 A	20180327	CN201680042554	20160609
CO20180000135 A2	20180320	CO20180000135	20180109
EP3310218 A2	20180425	EP20160812176	20160609
EP3310218 A4	20181003	EP20160812176	20160609
IN201717043661 A	20180302	IN201717043661	20171205
JP2018521740 T2	20180809	JP20170565084T	20160609
KR20180027518 A	20180314	KR20187001470	20160609
MX2017016566 A1	20180815	MX20170016566	20160609
TW201711609 A	20170401	TW20160118617	20160614
US2016367069 AA	20161222	US20150741050	20150616
WO16205072 A2	20161222	WO2016US36700	20160609
WO16205072 A3	20170209	WO2016US36700	20160609

Priority:

US20150741050 20150616 WO2016US36700 20160609

Probable Assignee: STARBUCKS DBA STARBUCKS COFFEE CO CORP

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

Assignee(s): STARBUCKS D B A STARBUCKS COFFEE CO CORP ; STARBUCKS DBA STARBUCKS COFFEE CO CORP ; CABLE FRED ; GALE PETER

Inventor(s): (std): GALE PETER ; CABLE FRED ; PETER GALE ; FRED CABLE

Agent(s): MINTER ELLISON; GOUDREAU GAGE DUBUC; LAVERY DE BILLY LLP; JUAN CARLOS CUESTA QUINTERO; GRUENECKER PATENT U RECHTSANWALTE PARTG MBB; MORITA HIROSHI; CHRISTENSEN MICHAEL R

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

12) Family number: 64042367 (US2017046904A)

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Title: SYSTEM AND METHOD FOR BREWING AND DISPENSING COFFEE USING CUSTOMER PROFILING

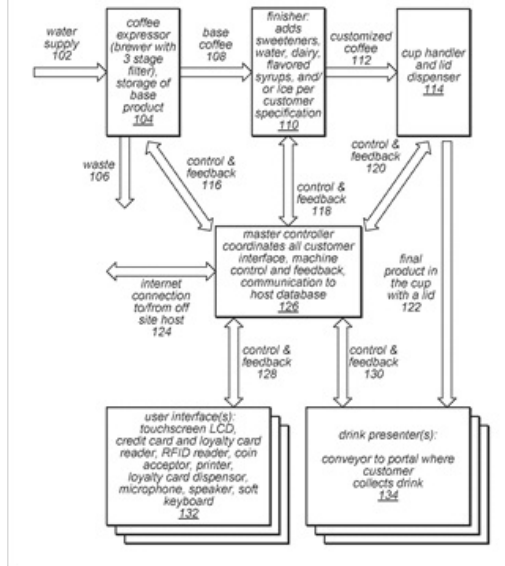
Abstract: A system and method for brewing and dispensing beverages may use customer profiling to select beverages to be produced and presented to a given customer and/or messages to be displayed to the customer, based on customer-specific information stored on a loyalty card, in a local system, or remotely. A user interface mechanism may receive input identifying the given customer. A controller may select a base drink recipe dependent on the customer's identity, and may initiate production of a beverage using the selected drink recipe. Each drink recipe may specify an amount of water, coffee, flavorings, dairy, and/or other ingredients, and may be further customizable to add or remove ingredients and/or to change an amount thereof, based on received user input. The stored customer-specific information may include a customer identifier, account information, a purchase history, a message history, drink recipes, and/or an email address for each of a plurality of customers.

Classifications:

International (IPC 8-9): A47J31/44 B67D3/00 G06F17/30 G06Q20/18 G07F13/06 G07F7/08 (Advanced/Invention)

CPC: B67D3/0019 B67D3/0022 A47J31/002 A47J31/3609 A47J31/405 A47J31/41 A47J31/44 A47J31/52 A47J31/60 G07F13/065 A47J31/4403 G07F7/08 G07F7/0806 G06Q20/18 B67D3/0003 G06F16/24575

US: 426/231

**Family:**

Publication number	Publication date	Application number	Application date
US2017046904 AA	20170216	US20160338847	20161031
US9499385 BA	20161122	US20100762099	20100416

Priority:

US20090170400P 20090417 US20100762099 20100416 US20160338847 20161031

Probable Assignee:

BRIGGO INC

Assignee(s): (std):

BRIGGO INC ; STUDOR CHARLES F

Inventor(s): (std):

STUDOR CHARLES F

Agent(s):

REISING ETHINGTON PC

13) Family number: 54704394 (US2015040770A)

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Title: COVER FOR AN INGREDIENT INLET WITH MOISTURE MANAGEMENT

Abstract: A machine (1) for preparing a beverage from at least one ingredient (2) comprises: an ingredient processing module (30); an ingredient passage (40) for inserting an ingredient from outside such machine into the ingredient processing module; and a cover (10) that is movable between a position covering the ingredient passage and a position uncovering the ingredient passage. The cover (10) is slidable, in particular translationally and/or manually slidable, from the covering to the uncovering positions and/or vice versa. The cover (10) is associated with at least one fluid-escape opening (10a, 10b, 10b) through which vapour and/or steam can escape from the passage (40) when the cover is in the covering position.

Classifications:

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

A47J36/38 (Advanced/Invention);

A47J36/38 (Advanced/Non-invention)

CPC: A47J31/407 A47J31/4407 A47J31/44 A47J36/38

US: 99/295

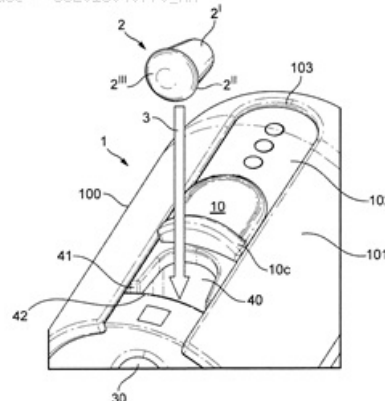
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JP F-Index: A47J31/06/A A47J31/36/124 A47J31/40/107

A47J31/44/Z A47J31/44/120 A47J31/46

PatBase - US2015040770_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2013225016 AA	20130906	AU20130225016	20130228
AU2013225016 BB	20161124	AU20130225016	20130228
BR112014020662 A2	20170620	BR20141120662	20130228
BR112014020662 A8	20170718	BR20141120662	20130228
CA2864172 AA	20140808	CA20132864172	20130228
CN104105432 A	20141015	CN201380008589	20130228
EP2819558 A1	20150107	EP20130707161	20130228
IN06379DN2014 A	20151113	IN2014DN06379	20140729
JP2015507993 T2	20150316	JP20140558159T	20130228
RU2014138920 A	20160420	RU20140138920	20130228
RU2624186 C2	20170630	RU20140138920	20130228

US2015040770 AA	20150212	US20130381824	20130228
US10028612 BB	20180724	US20130381824	20130228
WO13127906 A1	20130906	WO2013EP54006	20130228

Priority:

EP20120157251 20120228 EP20130707161 20130228 WO2013EP54006 20130228

Probable Assignee: NESTEC SA

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

Assignee(s): NESTEC SAAVENUE NESTLE 55CH-1800VEVEYCH ; BESSON FRANCOIS ; CAHEN ANTOINE ; MORI PETER ; NESTEC S A

Inventor(s): (std): BESSON FRANSUA ; KAEN ANTUAN ; MORI PETER ; MOERI PETER ; CAHEN ANTOINE ; BESSON FRANCOIS

Inventor(s): MA RI PETER ; MORI PETERCH ; PETER MOERI ; CAHEN ANTOINECH ; FRANCOIS BESSON ; ANTONIE CAHEN ; BESSON FRANCOISCH

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 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

14) Family number: 44280423 (US2013061762A)

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Title: BEVERAGE PREPARATION MACHINES

Abstract: A beverage preparation machine of the type which uses pre-packed cartridges of beverage ingredients. The cartridges may be designed so that air becomes entrained so as to produce a desired foam or crema. Air inlets are provided in an outlet nozzle to allow air to enter the beverage preparation machine and so be available for entrainment. Advantageously, the air inlets extend through the sides of the nozzle in an elevated position at a widened portion of the nozzle. This reduces the flow of beverage into and through the air inlets, aiding cleanliness.

Classifications:

International (IPC 8-9): A47J A47J31/00 A47J31/06 A47J31/10 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/46 B67D1/07 B67D1/08 (Advanced/Invention)

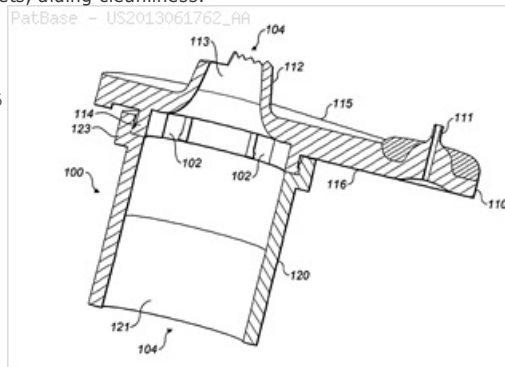
CPC: A47J31/0673 A47J31/3628 A47J31/3695 A47J31/467 A47J31/46 A47J31/36 A47J31/4485 A47J31/407 A47J31/0668 A47J31/00 A47J31/06 A47J31/44

European: A47J31/06P4 A47J31/36 A47J31/44D

US: 1/1 222/478 426/425 99/295

JP F-Term: 3E082 3E082/AA02 3E082/BB01 3E082/CC03 3E082/DD01 3E082/EE01 3E082/FF03 3E082/FF09 4B104 4B104/AA12 4B104/AA19 4B104/AA20 4B104/AA23 4B104/BA15 4B104/BA18 4B104/BA20 4B104/BA21 4B104/BA23 4B104/BA40 4B104/BA53 4B104/BA57 4B104/BA68 4B104/BA71 4B104/BA81 4B104/BA82 4B104/DA08 4B104/DA26 4B104/DA45 4B104/DA47 4B104/DA54 4B104/DA55 4B104/EA17 4B104/EA20 4B104/EA21 4B104/EA24 4B104/AA13 4B104/AA16 4B104/BA31 4B104/BA32 4B104/EA30 4B104/EA37

JP F-Index: A47J31/06/323 A47J31/10 A47J31/34 A47J31/36/120 A47J31/36/122 A47J31/40 A47J31/40/107 A47J31/44/430 A47J31/46 B67D1/08/Z A47J31/36



Family:

Publication number	Publication date	Application number	Application date
BR112012011281 A2	20160412	BR20121111281	20101112
CA2780698 AA	20120511	CA20102780698	20101112
CA2780698 C	20180724	CA20102780698	20101112
CN102665499 A	20120912	CN201080051016	20101112
CN102665499 B	20150715	CN201080051016	20101112
EP2498650 A1	20120919	EP20100781983	20101112
GB200919852 A0	20091230	GB20090019852	20091112
GB2475291 A1	20110518	GB20090019852	20091112
GB2475291 B2	20120328	GB20090019852	20091112
HK1171179 A1	20130322	HK20120111797	20121120
JP2013510616 T2	20130328	JP20120538400T	20101112
JP2015155004 A2	20150827	JP20150107074	20150527
JP5859448 B2	20160210	JP20120538400T	20101112
JP6108365 B2	20170405	JP20150107074	20150527
KR101778722 B1	20170914	KR20127015106	20101112
KR20120099069 A	20120906	KR20127015106	20101112
RU2012123746 A	20131220	RU20120123746	20101112
RU2536220 C2	20141220	RU20120123746	20101112
US2013061762 AA	20130314	US20100508320	20101112
US2015374167 AA	20151231	US20150846535	20150904
US9167933 BB	20151027	US20100508320	20101112
WO11058329 A1	20110519	WO2010GB02094	20101112

Priority:

GB20090019852 20091112 JP20120538400 20101112 JP20120538400T 20101112
WO2010GB02094 20101112 US20120508320 20120924 JP20150107074 20150527
US20150846535 20150904

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s): (std): BURTON WILCOCK GARY ; CARR SIMON ; KRAFT FOODS R AND D INC ; KRAFT FUDZ AR EHND DI INK

Assignee(s): KRAFT FOODS UK LTD ; DOUWE EGBERTS BV KONINKLL

Inventor(s): (std): BARTON UILKOK GARI ; KARR SAJMON ; SIMON CARR ; GARY BURTON WILCOCK ; CARR SIMON ; BURTON WILCOCK GARY

Agent(s): SIM AND MCBURNEY; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; TUCKER NIGEL P; CLT PATENT AND TRADEMARK HK LTD; TANAKA MITSUO; YAMADA TAKUJI; FITCH EVEN TABIN AND FLANNERY LLP; TUCKER NIGEL PAUL 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

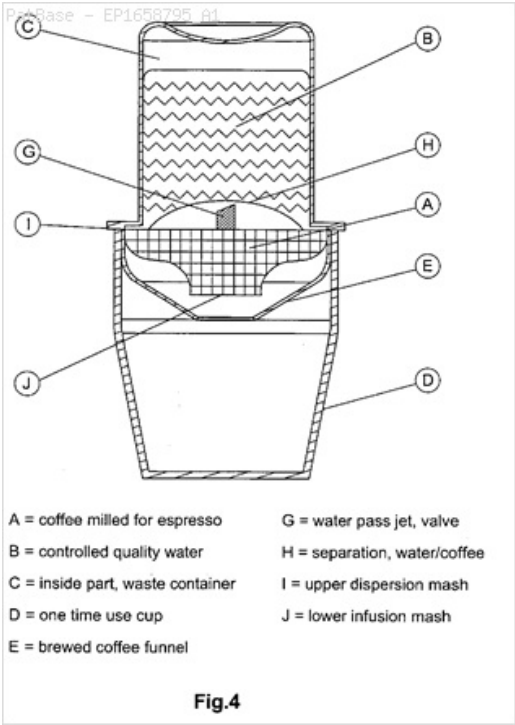
15) Family number: 33022424 (EP1658795A1) © PatBase

Title: Coffee machine and method for producing a hot drink

Abstract: The invention refers to a machine for producing a drinkable food like coffee, tea, shake, soup or such alike, on basis of an ingredient like e.g. tea leaves, coffee (1) or soup powder etc. and of a drinkable fluid like water (B), milk or such alike, whereby before production of the food and during the production and after the production neither the fluid nor the food ingredient is ever in direct contact with the machine itself.

Classifications:

International (IPC 8-9): A47J31/40 A47J31/44 B65D81/00 (Advanced/Invention); A47J31/40 A47J31/44 B65D81/00 (Core/Invention)
CPC: A47J31/36 A47J31/369 A47J31/44 A47J31/4489 B65D85/8043
European: A47J31/36 A47J31/36B4D A47J31/40B A47J31/40H A47J31/44 A47J31/44F B65D85/804B



Family:

Publication number	Publication date	Application number	Application date
AT405197 E	20080915	AT20040027386T	20041118
AT407603 E	20080915	AT20050024043T	20051116
DE602004016000 D1	20081002	DE200460016000T	20041118
DE602005009632 D1	20081023	DE200560009632T	20051116
EP1658795 A1	20060524	EP20040027386	20041118
EP1658795 B1	20080820	EP20040027386	20041118
EP1658796 A2	20060524	EP20050024043	20051116
EP1658796 A3	20060621	EP20050024043	20051116
EP1658796 B1	20080910	EP20050024043	20051116
EP1987749 A2	20081105	EP20080157995	20051116
EP1987749 A3	20081112	EP20080157995	20051116
ES2309439 T3	20081216	ES20040027386T	20041118
ES2313185 T3	20090301	ES20050024043T	20051116
PT1658795 T	20080917	PT20040027386T	20041118
PT1658796 T	20081010	PT20050024043T	20051116

Priority:

EP20040027386 20041118 EP20050024043 20051116 EP20080157995 20051116

Probable Assignee: PRESS UNIQUE BV

Assignee(s): (std): H A P GROUP ; PRESS UNIQUE B V ; PRESS UNIQUE BV

Assignee(s): THE H A P GROUP ; HAP GROUP

Inventor(s): (std): EVGI RAM ; EVGII RAM

Inventor(s): RAM EVGI

Agent(s): EISENFUEHR SPEISER AND PARTNER

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

Title: METHOD FOR PREPARING MICRO-FOAM WHIPPED MILK FOR CAPPUCCINO OR A METHOD FOR WHIPPING OTHER LIQUIDS CONTAINING PROTEINS, USING AN APPARATUS

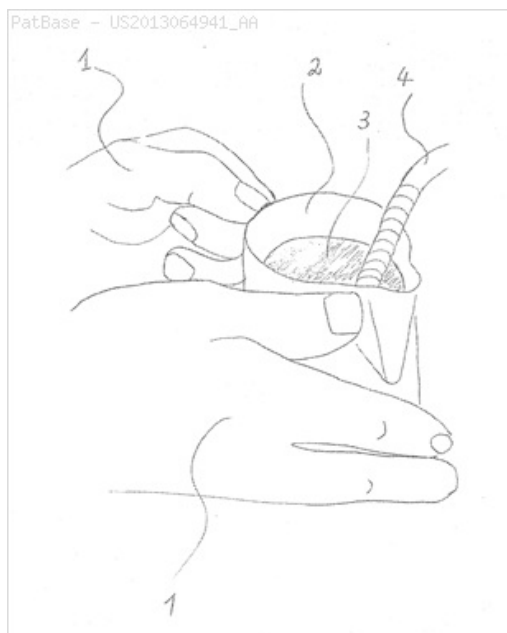
Abstract: A device is introduced for preparation of milk and other beverages in bar or restaurant environments. The device has the unique ability to generate a micro-foam which imparts a sweet taste to the beverage without use of sugar, that sweet taste being equivalent to adding a flat teaspoon of sugar to a traditional cup of cappuccino. The computerized device consists of sensors and a fine mesh that is pushed through the beverage by means of an actuator adapted for this purpose while imparting quantitative heat through the process.

Classifications:

International (IPC 8-9): A01J11/04 A23C7/00 A23C9/152 A23L1/00 A23P1/16 A47J31/44 A47J43/10 H05B6/80 (Advanced/Invention)

CPC: A23C9/1524 A23C2210/30 A47J31/44 A47J31/4485 A47J31/4496 A47J43/10 A23P30/40 A01J11/04

US: 1/1 219/679 426/231 99/281



Family:

Publication number	Publication date	Application number	Application date
US2013064941 AA	20130314	US20120600330	20120831
US9364021 BB	20160614	US20120600330	20120831

Priority:

US20110573548P 20110909 US20120600330 20120831

Probable Assignee: TAIROB LTD

Assignee(s): (std): TAIROB LTD ; TAITLER ISAAC

Inventor(s): (std): TAITLER ISAAC

Title: VORRICHTUNG ZUM HERSTELLEN EINES GETRAENKES DEVICE FOR PRODUCING A BEVERAGE (Machine translation)

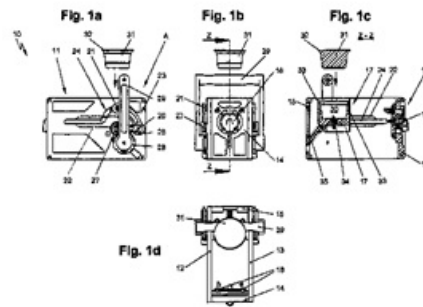
Abstract: Source: DE202012005191U1 [DE] Vorrichtung zum Herstellen eines Getraenkes, wie Kaffee, Tee od. dgl., mit einer Einrichtung zum Zubereiten wenigstens eines, in mindestens einer Produktkapsel enthaltenden Lebensmittels durch ein fluessiges und/oder gasfoermigen Mittel, im Wesentlichen bestehend aus einem Gehaeuse, in dem ein Kapselhalter und ein Verschluss teil gelagert sind, wobei der Kapselhalter und/oder das Verschluss teil durch eine Antriebseinheit in eine Zubereitungsposition bewegbar sind, dadurch gekennzeichnet, dass im Bereich beider Seitenwaende (12, 13) des Gehaeuses (11) eine erste Drehachse (20) des Kapselhalters (17) beweglich gefuehrt ist und dass mittels einer zweiten, mit der Antriebseinheit (A) verbundenen Drehachse (21), die in jeder Seitenwand (12, 13) in einer Fuehrungskulisse (24) gefuehrt ist, die Bewegung des Kapselhalters (17) in die Zubereitungsposition gesteuert wird.

Machine translation: Apparatus for producing a beverage such as coffee, tea or the like, comprising means for preparing at least one, in at least one capsule containing food product by a liquid and / or gaseous agent, essentially consisting of a housing in which a capsule holder and a closure member are mounted, wherein the capsule holder and / or the closure member being movable by a drive unit in a preparation position, characterized in that in the region of both Seitenwaende (12, 13) of the housing (11) has a first rotational axis (20) of the capsule holder (17) movably guided, and that by means of a second, with the drive unit (A) connected to the rotational axis (21), which is guided in each side wall (12, 13) in a Fuehrungskulisse (24), the movement of the capsule holder (17) controlled in the preparation position. will

Classifications:

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

CPC: A47J31/3676 A47J31/3623 A47J31/44



9/22

Family:

Publication number	Publication date	Application number	Application date
DE202012005191 U1	20120809	DE201220005191U	20120525

Priority:

DE201220005191U 20120525

Probable Assignee:

SEVERIN ELEKTROGERAETE GMBH

Assignee(s): (std):

SEVERIN ELEKTROGERAETE GMBH

18) Family number: 53699499 (US2014299001A)

© PatBase

Title: SYSTEM FOR PREPARING MILK AND/OR MILK FOAM IN DRINKS MACHINES, AND A HEATER UNIT

Abstract: The invention relates to a system for preparing milk and milk foam in drinks machines, such as coffee machines and similar pieces of equipment, which are provided with a heater unit for heating the milk and/or the milk foam with steam. The system contains, according to the invention, a feed for the milk and/or the milk foam and a separate feed for the steam, which is fed directly, as a heat-transfer medium, into the milk and/or the milk foam in the heater unit, which operates as an injector. The system allows a high heating capacity along with simultaneously good regulating capability and minimized thermal inertia. Since the foaming operation and the heating operation are separated from one another, the quality of the milk foam remains unimpaired by the heating operation.

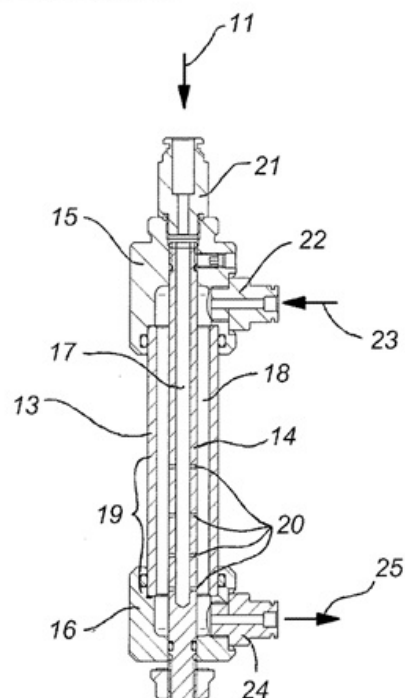
Classifications:

International (IPC 8-9): A47J31/44 B01F3/04
B01F5/04 (Advanced/Invention)

CPC: A47J31/4489 A47J31/44 A47J31/4485

US: 99/323.1

PatBase - US2014299001_AA



Family:

Publication number	Publication date	Application number	Application date
CH705720 A2	20130515	CH20110001760	20111101
CH705720 B1	20170815	CH20110001760	20111101
DE502012007666 D1	20160825	DE201250007666T	20121027
EP2869742 A1	20150513	EP20120787366	20121027
EP2869742 B1	20160713	EP20120787366	20121027
US2014299001 AA	20141009	US20120355287	20121027
US10004355 BB	20180626	US20120355287	20121027
WO13064232 A1	20130510	WO2012EP04508	20121027

Priority:

CH20110001760 20111101 EP20120787366 20121027 WO2012EP04508 20121027

Probable Assignee: EVERSYS HOLDING SA

Assignee(s): (std): EVERSYS AG ; EVERSYS HOLDING SA ; EVERSYS SA ; RIMPL FRANK

Inventor(s): (std): FRANK RIMPL ; RIMPL FRANK

Agent(s): PATENTANWALTE CHARRIER RAPP AND LIEBAU; CHARRIER RAPP AND LIEBAU; WENDEROTH LIND AND PONACK 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

19) Family number: 11687499 (US5943945A)

© PatBase

Title: Coffeemaker

Abstract: A self-contained beverage machine simulataneously heats a beverage and a condiment utilized in the beverage. The condiment is in a small container removably carried on the beverage machine.

Classifications:

International (ipc 8-9): A47J31/10 A47J31/44 (Advanced/Invention);

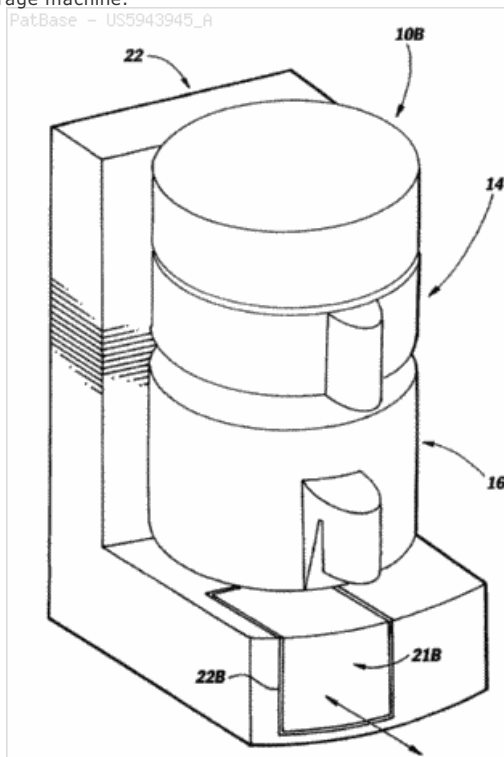
A47J31/10 A47J31/44 (Core/Invention)

International (ipc 1-7): A47J31/00

CPC: A47J31/10 A47J31/44

European: A47J31/10 A47J31/44

US: 99/288 99/290 99/304 99/880

**Family:**

Publication number	Publication date	Application number	Application date
US5943945 A	19990831	US19970931596	19970916

Priority:

US19970931596 19970916

Probable Assignee:

ISHIHARA NAOKI

Assignee(s):

ISHIHARA NAOKI

Inventor(s): (std):

ISHIHARA NAOKI

20) Family number: 49545518 (US2011212229A)

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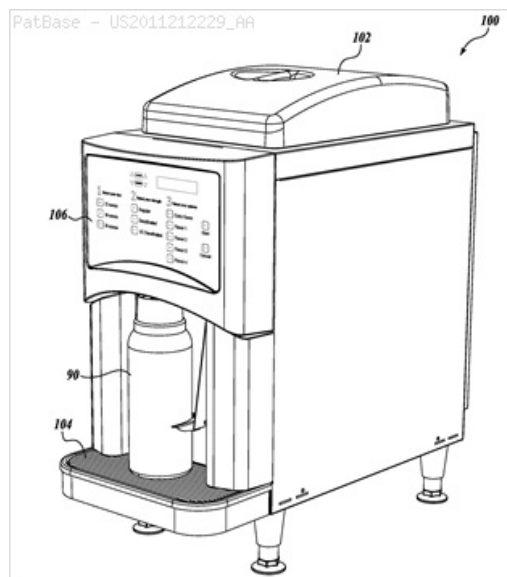
Title: METHOD AND APPARATUS FOR CONTROLLING BREWED BEVERAGE QUALITY

Abstract: A brewing system and method are disclosed for brewing a beverage, such as coffee or tea. The system includes an inline sensor or sensor array that intercepts the dispensing stream and measures the time dependent properties of the

brewed liquid at a particular location as the liquid is dispensed. In a particular embodiment, the total dissolved solids is measured to produce a coffee signature, which is sent to a controller that uses the time-dependent data to perform one or more of the following: evaluate the quality of the brewed liquid, control the brewing process for subsequent brewing cycles; identify the blend or brand of brewed product; and/or determine when maintenance is needed or advisable for the brewing system.

Classifications:

International (IPC 8-9): A23F5/24 A23F5/26 A23L2/00 A47J A47J31/24 A47J31/34 A47J31/36 A47J31/40 A47J31/42 A47J31/44 A47J31/52 A47J31/56 (Advanced/Invention); A47J31/44 (Advanced/Non-invention); A47J (Subclass/Invention)
CPC: A47J31/36 A47J31/52 A47J31/3619 A47J31/3614 A47J31/44 A47J31/00 A47J31/3671 A47J31/40 A47J31/42 A47J31/4403
European: A47J31/36 A47J31/36A2B A47J31/36A2D A47J31/42 A47J31/52 A47J31/56
US: 426/231 426/231P 426/433 426/433P 99/275 99/280 99/280S 99/283 99/283S 99/285 99/285S 99/286 99/286S 99/287 99/289.00RS 99/289R 99/290 99/302.00RS 99/302R
JP F-Term: 4B104 4B104/AA19 4B104/BA09 4B104/BA16 4B104/BA23 4B104/BA55 4B104/CA26 4B104/DA04 4B104/DA09 4B104/DA11 4B104/AA25 4B104/BA12 4B104/BA35 4B104/BA82 4B104/CA01 4B104/CA02 4B104/CA13 4B104/CA19 4B104/CA27 4B104/CA30 4B104/DA29 4B104/DA33
JP F-Index: A47J31/34 A47J31/36/114 A47J31/36/119 A47J31/40 A47J31/42 A47J31/44/Z A47J31/52



Family:

Publication number	Publication date	Application number	Application date
AU2011223792 AA	20110909	AU20110223792	20110301
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CN102843937 A	20121226	CN201180011950	20110301
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EP2547241 A4	20150408	EP20110757033	20110317
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HK1174519 A1	20150925	HK20130101920	20130215
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HK1174803 A1	20130621	HK20130101910	20130215
HK1174803 A1	20151113	HK20130101910	20130215
HK1174803 B	20151113	HK20130101910	20130215
IN02348KN2012 A	20130517	IN2012KN02348	20120823
JP2013521059 T2	20130610	JP20120556187T	20110301
JP2013521986 T2	20130613	JP20130501324T	20110317
KR20130004910 A	20130114	KR20127024366	20110301
MX2012010060 A1	20121122	MX20120010060	20110301
MX338510 B	20160420	MX20120010060	20110301
NZ602100 A	20130531	NZ20110602100	20110301
NZ602547 A	20140228	NZ20110602547	20110317
RU2012141643 A	20140410	RU20120141643	20110301
SG183525 A1	20120927	SG20120063772	20110301
US2011212229 AA	20110901	US20110050852	20110317
US2011212231 AA	20110901	US20110086257	20110413
US2011212236 AA	20110901	US20110038195	20110301
US8247010 BB	20120821	US20110038195	20110301
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WO11109443 A2	20110909	WO2011US26754	20110301
WO11109443 A3	20120119	WO2011US26754	20110301
WO11116247 A2	20110922	WO2011US28906	20110317
WO11116247 A3	20120119	WO2011US28906	20110317
WO11116247 A8	20111110	WO2011US28906	20110317
WO11130439 A2	20111020	WO2011US32361	20110413
WO11130439 A3	20120412	WO2011US32361	20110413

Priority:

US20100309401P 20100301 US20100315847P 20100319 US20100324267P 20100414
EP20110751236 20110301 US20110038195 20110301 WO2011US26754 20110301
US20110050852 20110317 WO2011US28906 20110317 US20110086257 20110413

Probable Assignee: CONCORDIA COFFEE CO

Assignee(s): (std): COLLIER CHRISTOPHER D ; COLLIER CHRISTOPHER DALTON ; CONCORDIA COFFEE CO INC ; CONCORDIA COFFEE COMPANY INC ; MCLAUGHLIN JAMES M ; MARKS LUCAS A ; NALL EILEEN M ; NGUYEN QUAN H ; NALL ELLEEN M ; REBHUN CARRIE M ; NGUYEN QUAN HOANG ; MCLAUGHLIN JAMES MICHAEL

Assignee(s): CONCORDIA COFFEE CO INC BELLEVUE ; COMERICA BANK ; CONCORDIA COFFEE CO

Inventor(s): (std): NALL EILEEN M ; MARKS LUCAS A ; MCLAUGHLIN JAMES M ; NGUYEN QUAN H ; NGUYEN QUAN H QH ; MCLAUGHLIN JAMES M JM ; COLLIER CHRISTOPHER D CD ; REBHUN CARRIE M CM ; NALL EILEEN M EM ; MARKS LUCAS A LA ; MCLAUGHLIN JAMES MICHAEL ; COLLIER CHRISTOPHER DALTON ; NGUYEN QUAN HOANG ; REBHUN CARRIE M ; COLLIER CHRISTOPHER D ; NALL ELLEEN M

Inventor(s): COLLIER CHRISTOPHER ; MCLAUGHLIN JAMES ; NGUYEN QUAN

Agent(s): FREEHILLS PATENT ATTORNEYS ; HERBERT SMITH FREEHILLS ; FPA PATENT ATTORNEYS PTY LTD ; SMART AND BIGGAR ; BOEHMERT AND BOEHMERT ANWALTPARTNERSCHAFT MBB PATENTANWAELTE RECHTSANWAELTE ; SCHMIDT STEFFEN ; Schmidt Steffen ; CLT PATENT AND TRADEMARK HK LTD ; CHRISTENSEN O'CONNOR JOHNSON KINDNESS PLLC ; CHRISTENSEN OCONNOR JOHNSON KINDNESS PLLC ; DODGE RYAN E JR

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

21) Family number: 53122529 (US2013047864A)

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Title: STOCK SUPPLY BASED MODIFIABLE SELECTION SYSTEM AND METHOD FOR INGESTIBLE MATERIAL PREPARATION SYSTEM AND METHOD

Abstract: A computationally implemented system and method that is designed to, but is not limited to: electronically directing control of at least partial preparation of the one or more selected ingestible products subsequent to and based at least in part upon the selection of the at least one candidate ingestible product as the at least one selected ingestible product via the electronically enabled input in response to the electronically outputted one or more selection menus and prior to preparation of the one or more selected ingestible products for ingestion by the particular individual living being of the selected ingestible products, the at least partial preparation of the one or more selected ingestible products occurring within a vicinity of the electronically outputting of the electronically outputted one or more selection menus. In addition, other method aspects are described in the claims, drawings, and text forming a part of the present disclosure.

Classifications:

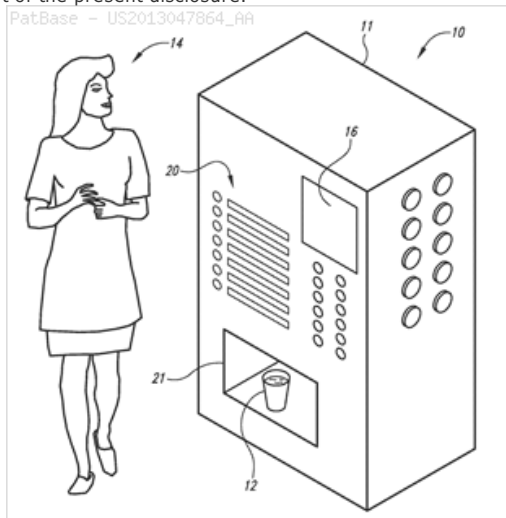
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CPC: G07F9/02 G07F11/002 B08B1/002 B08B3/00 B08B3/12 G07F7/00 B08B1/003 B08B3/08 G09B19/00 G07F9/00 G07F9/026 G07F11/62 B67D1/0884 B67D1/0888 B67D1/12 B67D1/1243 G06Q10/06 G06Q30/0633 G06Q20/341 G06Q20/322 G06Q10/087 G06Q30/0627 A47J31/44 G06Q10/083 G06Q20/34 G06Q20/32 G06Q30/0226 G06Q30/0238 G05B15/02 G06F3/048 G06F19/3462 G06F19/3481 G06F19/3456 G06Q50/12 B33Y30/00 B33Y50/02 G06Q20/18 G07F7/0893 G07F9/006 G07F9/105 G07F13/025 G07F13/04 G06Q10/08 G06Q50/04 Y02P90/30 G07F17/0071 A23P30/00 A23L35/00 G06F19/325 A47J37/00 G06Q30/0601 G06Q30/0621 G06Q10/101 G06Q20/204 G06Q50/02 G07F9/023 G07F17/0078 Y02A90/22 Y02A90/26 G07F17/0092 G07F17/26 G07F17/42 G06Q10/10 G06Q30/0631 H04L67/22 H04L67/306 G06Q50/00 G06Q50/28 G07F11/70 G06Q20/00 G07F17/0064 G07F13/065 G16H20/70 G16H20/90 G07F7/08 A23P1/08 A47J27/14 A23P10/00 B29C64/20 G06F16/29 G16H20/60 G06F19/3475 G06Q30/02 G09B19/0092 G06Q50/24 A23L5/00 A23P20/00 A23P20/20 A23P2020/253

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Family:

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Probable Assignee: ELWHA LLC

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Assignee(s): ELWHA LLC A LIABILITY CO OF SATE OF DELAWARE LTD ; ELWHA LLC A LIABILITY CO OF STATE OF DELAWARE LTD ; ELWHA LLC A LIMITED LIABILITY COMPANY OF THE STATE OF DELAWARE

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Title: MILK FROTHER APPLIANCE, DRINKS PREPARATION SYSTEM AND A DRINKS PREPARATION MACHINE

Abstract: An appliance for preparing frothed milk includes a container for receiving milk, and an electrically operated drive for delivering and/or frothing the milk. The appliance includes a docking element for connection to a drinks preparation machine. The docking element includes a connection for steam delivered by the drinks preparation machine, an interface for electrical current supplied by the drinks preparation machine, and a milk froth outlet for the frothed milk.

Classifications:

International (IPC 8-9): A47J A47J31/00 A47J31/41 A47J31/44 A47J31/46 A47J31/60 A47J43/12 (Advanced/Invention)

International (IPC 1-7): A47J31/44

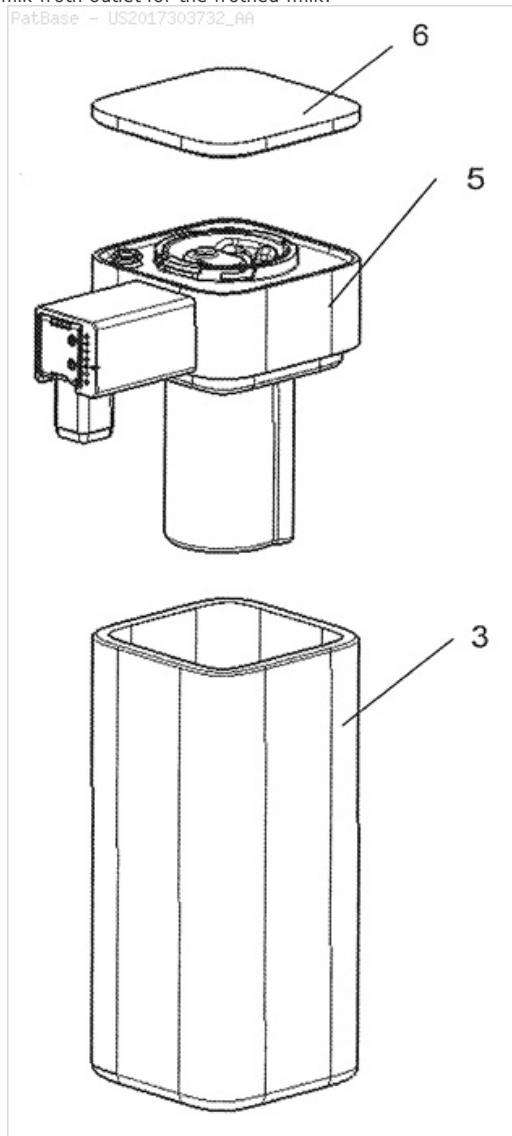
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JP F-Term: 4B104 4B104/AA25 4B104/AA27 4B104/BA14

4B104/BA29 4B104/BA33 4B104/BA34 4B104/EA17 4B104/EA19

4B104/EA30

JP F-Index: A47J31/44/410 A47J31/60



Family:

Publication number	Publication date	Application number	Application date
AU2015320872 AA	20170518	AU20150320872	20150922
BR112017006034 A2	20171212	BR20171106034	20150922
CA2960941 AA	20170310	CA20152960941	20150922
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RU2017112490 A	20181024	RU20170112490	20150922
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WO16046239 A1	20160331	WO2015EP71795	20150922

Priority:

EP20140186265 20140924 EP20150766549 20150922 WO2015EP71795 20150922

Probable Assignee: QBO COFFEE GMBH

Assignee(s): (std): QBO COFFEE GMBH

Assignee(s): BALKAU WERNER ; KBO KOFI GMBKH

Inventor(s): (std): BALKAU WERNER ; WERNER BALKAU

Inventor(s): BALKAU VERNER

Agent(s): GRIFFITH HACK; SHAPIRO COHEN LLP; AVENTUM IP LAW LLP; KAILUWEIT AND UHLEMANN
PATENTANWAELTE PARTNERSCHAFT MBB; FREI PATENT ATTORNEYS; VALLEJO JUAN PEDRO; PANAWELL
HONG KONG LTD; FUKAMI PATENT OFFICE PC; LYAPUNOV I PARTNERY; AYLIN SENER

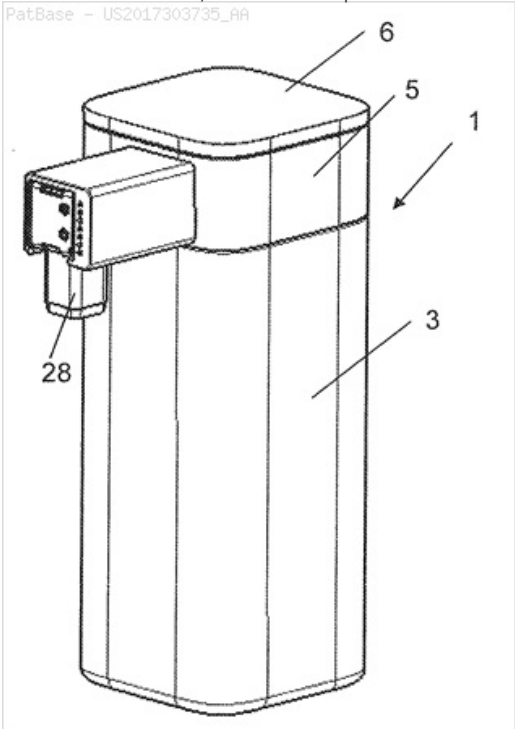
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SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

23) Family number: 61958547 (US2017303735A) © PatBase

Title: MILK FROTHER APPLIANCE

Abstract: An appliance for preparing frothed milk is dockable onto a drinks preparation machine and, for this purpose, includes at least one connection for steam produced by the drinks preparation machine, as well as an interface for electrical current supplied by the drinks preparation machine. The appliance also includes a milk frothing unit with a gear pump. The gear pump at an inlet side is connected to a milk feed conduit and to an air feed. The milk frothing unit is configured such that an operating parameter is adjustable in a manner depending on a measured value and/or on a user input.

Classifications:
International (IPC 8-9): A47J A47J31/41 A47J31/44 A47J31/46
A47J43/12 (Advanced/Invention)
International (IPC 1-7): A47J31/44 A47J31/46
CPC: A47J31/44 A47J31/4489 A47J31/4485
JP F-Term: 4B104 4B104/AA26 4B104/AA27 4B104/BA14
4B104/BA29 4B104/BA32 4B104/CA18 4B104/CA20 4B104/EA30
JP F-Index: A47J31/44/410 A47J31/44/510



Family:

Publication number	Publication date	Application number	Application date
AU2015320871 AA	20170504	AU20150320871	20150922
BR112017006033 A2	20171212	BR20171106033	20150922
CA2961857 AA	20170320	CA20152961857	20150922
CN107046798 A	20170815	CN201580051035	20150922
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DK3079535 T3	20170918	DK20150766548T	20150922
EP3000364 A1	20160330	EP20140186266	20140924
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US2017303735 AA	20171026	US20150513217	20150922
WO16046238 A1	20160331	WO2015EP71794	20150922

Priority:
EP20140186266 20140924 EP20150766548 20150922 WO2015EP71794 20150922

Probable Assignee: QBO COFFEE GMBH

Assignee(s): (std): QBO COFFEE GMBH

Assignee(s): BALKAU WERNER ; KBO KOFI GMBKH

Inventor(s): (std): BALKAU WERNER ; WERNER BALKAU

Inventor(s): BALKAU VERNER

Agent(s): GRIFFITH HACK; SHAPIRO COHEN LLP; AVENTUM IP LAW LLP; KAILUWEIT AND UHLEMANN

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

24) Family number: 49958574 (US2013061763A)

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Title: REMOTE CONTROLLED FOOD PROCESSOR

Abstract: An apparatus (30) for conditioning a food substance, such as milk or a milk-containing substance, comprises: -a food conditioning module (31) that has a structure (32) for holding such food substance and that has an electric device (35) comprising a conditioner (36) for imparting as a conditioning effect to such food substance and a conditioner control unit (37) for controlling the conditioner; and -a user-interface device (40) in data-communication with the conditioner control unit to transmit user-data from the user-interface device to the control unit for controlling the conditioner accordingly. The user-interface device (40) is external to the food conditioning module (31) and disconnectably connected thereto.

Classifications:

International (IPC 8-9): A01J11/00 A47J A47J31/00 A47J31/44 A47J31/52 A47J31/56 (Advanced/Invention); A47J31/42 (Advanced/Non-invention); A47J (Subclass/Invention)

International (IPC 1-7): A47J31/44

CPC: A47J31/44 A47J31/42 A47J31/52 A47J31/56 A47J2201/00

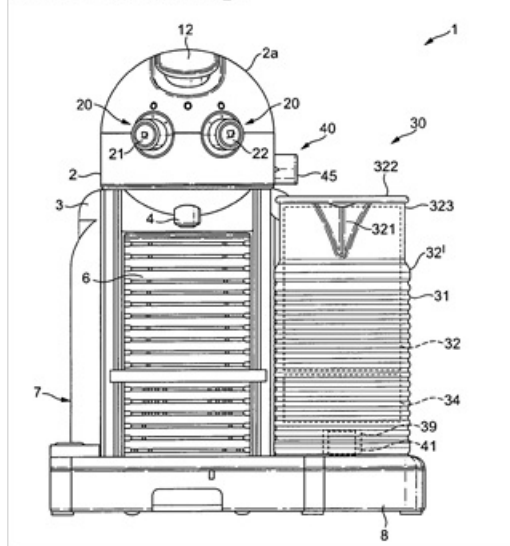
European: A47J31/44 A47J31/52

US: 1/1 219/385 99/295 99/453

JP F-Term: 4B104 4B104/AA20 4B104/AA27 4B104/AA30 4B104/DA35 4B104/DA56 4B104/DA57 4B104/EA20

JP F-Index: A47J31/00/307 A47J31/36/120 A47J31/40/107 A47J31/44/Z A47J31/44/100 A47J31/44/410

PatBase - US2013061763_AA



Family:

Publication number	Publication date	Application number	Application date
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Priority:

EP20100163634 20100521 EP20110720105 20110518 WO2011EP58018 20110518

Probable Assignee: NESTEC SA

Assignee(s): (std): NESTEC SA ; NESTEK S A ; NESTEK SA ; PIAI GUIDO ; PROBST CHRISTIAN ; CAHEN ANTOINE ; GRANGER ERIC

Assignee(s): NESTEC S A

Inventor(s): (std): ANTOINE CAHEN ; CAHEN ANTOINE ; CAHEN ANTONIE ; CHRISTIAN PROBST ; ERIC GRANGER ; GRANGER ERIC ; GREHNDZHER EHRIC ; GUIDO PIAI ; KAEHN ANTUAN ; P JAI GUIDO ; PIAI GUIDO ; PIAL GUIDO ; PROBST CHRISTIAN ; PROBST KRISTIAN

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; MITSCHERLICH PATENT U RECHTSANWALTE PARTMBB; GUNDEL ISABELLE; SCHNYDER FRANK SIMON; ISERN JORGE; ZHONGZI IP; K AND L GATES LLP; SIVIER DAMIEN

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

25) Family number: 54353595 (US2013269297A)

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Title: TRANSFORMATION SYSTEM FOR OPTIMIZATION OF NUTRITIONAL SUBSTANCES AT CONSUMPTION

Abstract: Disclosed herein is a transformation system to create a nutritional substance product that obtains information regarding the nutritional substance components to be transformed, the desired transformation, and the desired properties, including nutritional content, of the transformed nutritional substance, and dynamically modifies the transformation in response to this information to optimize a nutritional, organoleptic or aesthetic value of the nutritional substance product after it has been prepared for consumption. Various component nutritional substances are individually or collectively transformed and preserved, then provided to consumers or conditioners in a format allowing retrieval of preparation instructions unique to the individual nutritional product at the time of preparation and intended to optimize a nutritional, organoleptic, or aesthetic value targeted by the transformer during transformation.

Classifications:

International (IPC 8-9): A01J11/00 A22C13/00 A23B4/00 A23B4/09 A23B5/055 A23B7/055 A23B7/148 A23B7/152 A23B9/10 A23L1/00 A23L1/01 A23L1/025 A23L1/182 A23L1/272 A23L1/29 A23L1/30 A23L3/00 A23L3/3589 A23L3/36 A23L3/375 A23L33/00 A23L5/00 A23L5/10 A23L5/30 A23L5/41 A23P1/00 A23P10/00 A47J27/04 A47J31/44 A47J36/00 A47J36/32 A47J37/06 A47J37/08 A47J43/07 A61J1/00 B02C25/00 B65B17/00 B65B61/20 B65B61/26 B65D77/28 B65D85/00 F24C7/00 F24C7/02 F24C7/08 G01C21/20 G01G23/37 G01M3/00 G01N G01N21/00 G01N21/31 G01N21/65 G01N25/00 G01N29/00 G01N31/00 G01N33/00 G01N33/02 G01N33/48 G01N7/00 G01S19/28 G01S19/39 G05B13/02 G05B15/02 G05B19/418 G06F16/00 G06F17/00 G06F17/30 G06F17/40 G06F19/00 G06F7/00 G06K19/06 G06K19/07 G06K5/00 G06Q10/00 G06Q10/06 G06Q10/08 G06Q10/10 G06Q30/00 G06Q30/02 G06Q30/06 G06Q50/00 G06Q50/02 G06Q50/10 G06Q50/22 G06Q50/28 G06Q99/00 G09B19/00 G09B19/06 G09B5/02 G09F3/00 G16C10/00 G16H20/60 H05B6/64 H05B6/68 (Advanced/Invention); A23L5/10 G01N33/00 G06F19/00 G06K19/07 G06Q30/02 G09B19/00 G16H10/60 (Advanced/Non-invention); A23B9/00 A23L33/00 A23P1/00 G06F17/00 G06F19/00 G06Q99/00 (Core/Invention); G01N (Subclass/Invention)

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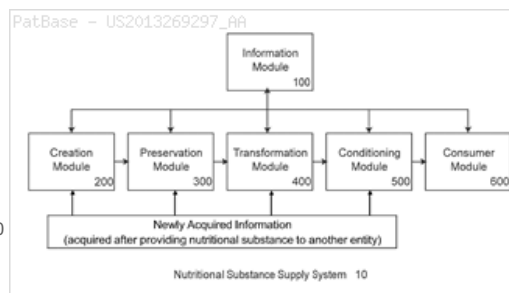
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Family:

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Probable Assignee: ICEBERG LUXEMBOURG SARL

Assignee(s): (std): EUGENIO MINVIELLE ; ICEBERG LUXEMBOURG S A R L ; MINVIELLE EUGENIO

Assignee(s): VISA INT SERVICE ASSOCIATION ; ICEBERG LUXEMBOURG SARL

Inventor(s): (std): EUGENIO MINVIELLE ; MINVIELLE EUGENIO

Agent(s): AHNER PHILIPPE; BREVALEX; CLT PATENT AND TRADEMARK HK LTD; DONALDSON AND BURKINSHAW LLP; NIXON PEABODY LLP; ROBERT E; KHALED; KREBS ROBERT E ET AL; BIRKENEDER ERIK ET AL; SWIATEK MARIA S

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

26) Family number: 41825603 (US2011183057A)

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Title: FOAMING DEVICE AND METHOD OF PROVIDING FOAMED PRODUCT

Abstract: A foaming device for a drink including a housing defining an internal volume for housing secondary liquid and a source of foaming gas. A nozzle communicates between the internal volume and an exterior of the housing and a plug seals the nozzle so as to prevent communication between the internal volume and the exterior of the housing. By releasing the plug, the secondary liquid can be released into the drink such that the foaming gas forms bubbles of secondary liquid in the drink and proteins/constituents within one or both of the primary liquid and the secondary liquid denature so as to create a stable foam.

Classifications:

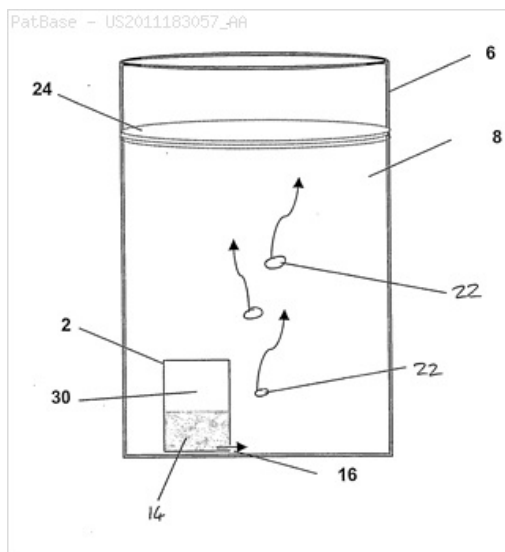
International (IPC 8-9): A47J31/44 B01F3/04 B65D81/00 B65D85/73 B65D85/804 (Advanced/Invention);

A47J31/44 B65D85/72 (Core/Invention)

CPC: A47J43/12 A47J31/44 B65D85/73 B01F3/04446 B65D81/00 B65D85/804

European: A47J31/44 A47J43/12 B01F3/04C3 B65D81/00 B65D85/73 B65D85/804

US: 426/474 426/474P 99/484 99/484S 99/516 99/516S



Family:

Publication number	Publication date	Application number	Application date
EP2276683 A1	20110126	EP20090723288	20090319
GB200805291 A0	20080430	GB20080005291	20080320
GB2458882 A1	20091007	GB20080005291	20080320
US2011183057 AA	20110728	US20090933371	20090319
WO09115808 A1	20090924	WO2009GB00740	20090319

Priority:

GB20080005291 20080320 WO2009GB00740 20090319

Probable Assignee: PA KNOWLEDGE LTD

Assignee(s): (std): CORRIGAN JOSEPH PETER ; HUMPHRIES MARK ROBSON ; JONES STUART MICHAEL RUAN ; PA KNOWLEDGE LTD ; RUSSELL DAVID MORRISON

Assignee(s): PA KNOWLEDGE LIMITED

Inventor(s): (std): CORRIGAN JOSEPH PETER ; HUMPHRIES MARK ROBSON ; JONES STUART MICHAEL RUAN ; RUSSELL DAVID MORRISON

Inventor(s): JOSEPH PETER CORRIGAN ; DAVID MORRISON RUSSELL

Agent(s): SMITH SAMUEL LEONARD; SMITH SAMUEL LEONARD ET AL

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

27) Family number: 62414614 (US2016270429A)

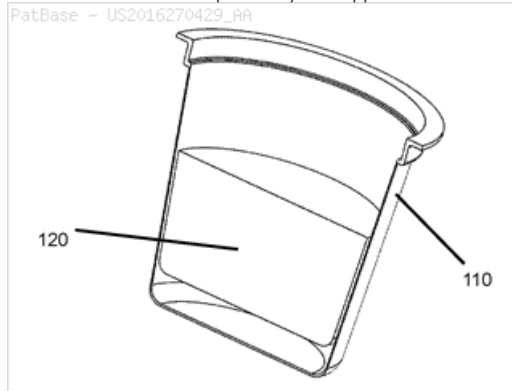
© PatBase

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

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

Classifications:

International (IPC 8-9): A23F A23F3/00 A23F5/00 A23F5/24 A23F5/36 A23G9/04 A23L2/00 A23L2/38 A23L2/385 A23L2/42 A23L2/54 A23L3/36 A47J31/00 A47J31/06 A47J31/36 A47J31/40 A47J31/44 A47J31/46 A47J47/02 B65D B65D85/72 B65D85/804 B65D85/816 B67D1/08 (Advanced/Invention); A47J43/042 (Advanced/Non-invention)
CPC: A23F5/36 B65D85/72 B65D85/816 A47J31/44 A23L2/38 A23L2/56 A23L2/42 A23L3/36 A23F5/243 A23V2002/00 A23L2/54 A47J31/462 A47J31/441 A23L2/385 A47J31/0615 A47J31/0673 A47J31/3695 A47J31/4403 A47J31/4492 A47J43/042 B65D85/8043 A47J31/407 A47J31/3623 A47J47/02 A23G9/045 A23F3/163 A23G9/28
US: 1/1 426/115 426/232 426/234 426/394 99/280 99/323.3
JP F-Term: 3E035 3E082 3E082/BB01 3E082/CC02 3E082/CC05 3E082/EE01 3E082/FF09 4B104 4B104/AA20 4B104/BA40 4B104/BA53 4B104/EA21 4B104/EA39 4B104/EA40
JP F-Index: A47J31/06/323 A47J31/40/107 A47J31/44/510 B65D85/72/BRH/F B67D1/08/A B67D1/08/Z
JP Facet: BRH



Family:

Publication number	Publication date	Application number	Application date
AU2016235493 AA	20171005	AU20160235493	20160318
AU2017250188 AA	20181101	AU20170250188	20170412
AU2017315966 AA	20180301	AU20170315966	20170828
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CA3020855 AA	20181012	CA20173020855	20170412
CA3034899 AA	20190222	CA20173034899	20170828
CN107466209 A	20171212	CN201680022207	20160318
CN109310233 A	20190205	CN201780036465	20170412
EP3270703 A1	20180124	EP20160716728	20160318
EP3442381 A1	20190220	EP20170719458	20170412
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MX2017012149 A1	20180221	MX20170012149	20160318
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US2016270429 AA	20160922	US20160093037	20160407
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US9630770 BB	20170425	US20160090322	20160404
US9675203 BB	20170613	US20160351911	20161115
US10111554 BB	20181030	US20160347591	20161109
WO16154037 A1	20160929	WO2016US23226	20160318
WO17180710 A1	20171019	WO2017US27149	20170412
WO18039675 A1	20180301	WO2017US48932	20170828

Priority:

US20150136072P 20150320	US20150801540 20150716	US20160275506P 20160106
WO2016US23226 20160318	US20160090128 20160404	US20160090322 20160404
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US20160352245 20161115	WO2017US27149 20170412	US20170688471 20170828
WO2017US48932 20170828		

Probable Assignee: MELTZ INC

Assignee(s): (std): MELTZ LLC

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

Inventor(s): (std): DOUGLAS M HOON ; HOON DOUGLAS ; KARL WINKLER ; MATTHEW P ROBERTS ; MATTHEW ROBERTS ; PAUL KALENIAN ; ROBERTS MATTHEW P ; WINKLER KARL ; ROBERTS MATTHEW ; KALENIAN PAUL ; HOON DOUGLAS M

Agent(s): DAVIES COLLISON CAVE PTY LTD; MBM INTELLECTUAL PROPERTY LAW LLP; HGF LTD; HIROE AND ASSOCIATES PATENT PROFESSIONAL CORP; WILMER CUTLER PICKERING HALE AND DORR LLP; WILMER CUTLER PICKERING HALE AND DORR LLP; HOBGOOD JOHN V ET AL

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

28) Family number: 40965631 (US2007298953A)

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Title: DRINK PREPARING MACHINE WITH HOLDING AND WARMING DEVICE

Abstract: A device and method for warming a cup in a machine for preparing a hot drink or beverage involving transmitting by conduction a part of the surface heat of the heating body to a cup holder. The heating body is also used to heat water in the machine. The device and method also at least partially dampen a vibration transmissible by the heating body to the surface of the cup holder.

Classifications:

International (IPC 8-9): A23L1/00 A47G19/14 A47G23/04 A47J A47J31/00 A47J31/44 A47J31/54 A47J36/24 A47J39/02 B31B1/90 B67D1/00 (Advanced/Invention); A47G19/00 A47G23/00 A47J31/00 A47J31/44 A47J36/24 A47J39/00 B31B1/74 (Core/Invention); A47J (Subclass/Invention)

CPC: A47J31/4435 A47J31/44 A47J31/54

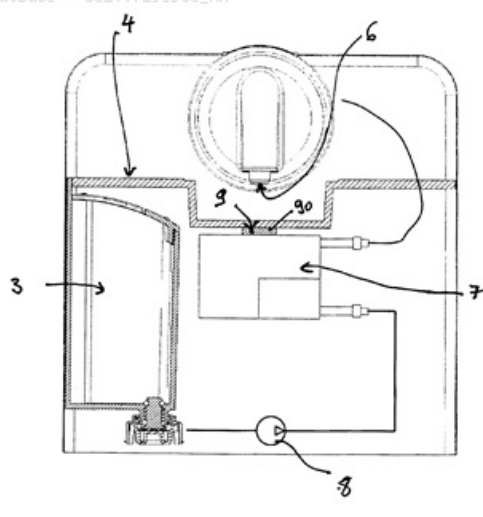
European: A47J31/44 A47J31/44A2F4P A47J31/54

US: 1/1 493/108

JP F-Term: 3B001 3B001/AA21 3B001/BB10 3B001/CC11 3B115 3B115/AA07 3B115/DA01 3B115/DA09 3B115/DC05 4B055 4B055/AA50 4B055/BA03 4B055/BA22 4B055/BA28 4B055/CA04 4B055/CA68 4B055/CA70 4B055/FB33 4B055/FB49 4B055/FC01 4B055/FC08 4B055/FC20 4B066 4B066/AA11 4B066/AB01 4B066/AB10 4B066/BC20 4B066/BD01

JP F-Index: A47G19/14/C A47G23/04 A47J36/24 A47J39/02

PatBase - US2007298953_AA



Family:

Publication number	Publication date	Application number	Application date
AT455483 E	20100215	AT20060115512T	20060615
AU2007202786 AA	20080110	AU20070202786	20070615
AU2007202786 BB	20131024	AU20070202786	20070615
CN101108068 A	20080123	CN200710138807	20070615
CN101108068 B	20110907	CN200710138807	20070615
DE602006011862 D1	20100311	DE200660011862T	20060615
EP1867259 A1	20071219	EP20060115512	20060615
EP1867259 B1	20100120	EP20060115512	20060615
ES2336355 T3	20100412	ES20060115512T	20060615
HK1116641 A1	20111209	HK20080106774	20080618
HK1116641 A1	20090102	HK20080106774	20080618
HK1116641 A3	20090102	HK20080106774	20080618
HK1116641 B	20111209	HK20080106774	20080618
JP2008029822 A2	20080214	JP20070159244	20070615
JP5201884 B2	20130605	JP20070159244	20070615
PT1867259 T	20100209	PT20060115512T	20060615
US2007298953 AA	20071227	US20070763114	20070614
US9044116 BB	20150602	US20070763114	20070614

Priority:

EP20060115512 20060615

Probable Assignee: NESTEC SA

Assignee(s): (std): GAVILLET GILLES ; KRISTLBAUER JUERGEN ; KRISTLBAUER JURGEN ; MOERI PETER ; MORI PETER ; NESTEC SA

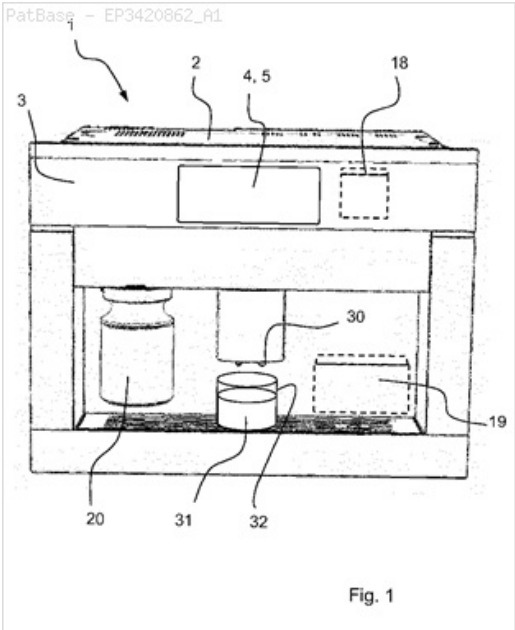
Assignee(s): NESTEC S A
Inventor(s): (std): GAVILLET GILLES ; KRISTBAUER JUERGEN ; MOERI PETER ; PETER MORI ; JURGEN KRISTLBAUER ; GILLES GAVILLET ; MORI PETER ; KRISTLBAUER JURGEN ; KRISTLBAUER JUERGEN
Inventor(s): PETER MOERI ; JUERGEN KRISTLBAUER
Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; SCHNYDER FRANK SIMON; ZHONGZI IP; WINSTON AND STRAWN LLP, PATENT DEPARTMENT; WINSTON AND STRAWN LLP PATENT DEPARTMENT; WINSTON AND STRAWN LLP
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

29) Family number: 72625656 (EP3420862A1) © PatBase

Title: PROGRAMME-CONTROLLED BEVERAGE-MAKING MACHINE PREPARATEUR DE BOISSONS COMMANDE PAR PR

Abstract: Source: EP3420862A1 [DE] Bedien- und Anzeigevorrichtung fuer einen programmgesteuerten Getraenkebereiter und Getraenkebereiter Die Erfindung betrifft einen programmgesteuerter Getraenkebereiter (1) mit einer Steuereinrichtung (18) fuer einen zur Zubereitung von heissen Getraenken (31) aus zumindest zwei Zutaten (C, W), mit einer mit der Steuereinrichtung in Wirkverbindung stehenden Bedien- und Anzeigevorrichtung (4, 5) mit einem Display (5), auf dem verschiedene Getraenke als Feld anzeigbar und mittels Betaetigung einer menuegefuehrten Bedienhandhabe (4) durch einen Benutzer auswaehlbar und/oder veraenderbar sind, Um dem Benutzer eine einfach zu handhabende Moeglichkeit zur Erstellung von individuellen Getraenken zu bieten, ist die Bedien- und Anzeigevorrichtung (4, 5) dazu ausgebildet, - zumindest eines der auszuwaehlenden Getraenke als individuell zu konfigurierendes Getraenk bereitzustellen, und ein Untermenue zur Auswahl bereitzustellen, das zur Auswahl und Eingabe von Parametern sowie fuer die Auswahl von vordefinierten Getraenkezubereitungs-komponenten ausgebildet ist; - das Untermenue mehrmals wiederholt zur Aktivierung bereit zu stellen, um eine Kombination der auszuwaehlenden, vordefinierten Getraenkezubereitungs-komponenten als jeweilige Teilmenge zu dem individuellen Getraenk zu ermoeglichen und - die Einstellungen fuer das individuell konfigurierbare Getraenk fuer nachfolgende Auswahl oder Aktivierung zu speichern zur nachfolgenden Steuerung fuer die Zubereitung des individuell konfigurierten Getraenks **Machine translation:** Operating and display device for a program-controlled beverage heater and beverage ready The invention relates to a program-controlled beverage ready (1) with a control means (18) for a hot drink making facilities (31) is composed of at least two ingredients (C, F), with a controller operatively connected to the control and display device (4, 5) with a display (5), on which various beverages and menu-guided control as field displayable via actuation of a handle (4) by a user selectable and/or change to the user with an easy-to-use possibility for creating individual beverages to offer, the operating and display device (4, 5) configured to at least one of the beverage as needed to be individually selectable - beverage and a submenu for selection, the Selection and input of Parameters as well as for the selection of predefined beverage preparation components; - the submenu repeated several times to activate in order to provide a combination of selectable, pre-defined beverage preparation components as respective subset to the individual beverage, and - the settings for the individually configurable beverage for subsequent selection or to store activation for subsequent control for the preparation of the Beverage individually configured

Classifications:
International (ipc 8-9): A47J31/40 A47J31/44 A47J31/52 G05B19/04 G07F13/06 (Advanced/Invention)
CPC: A47J31/44 A47J31/52 G07F13/065



Family:

Publication number	Publication date	Application number	Application date
DE102017117633 A1	20190207	DE201710117633	20170803
EP3420862 A1	20190102	EP20180182823	20180711

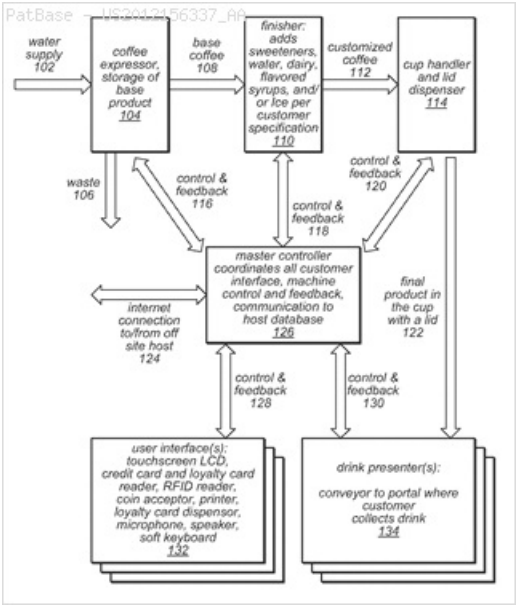
Priority: DE201710117633 20170803
Probable Assignee: MIELE AND CIE
Assignee(s): (std): MIELE AND CIE
Assignee(s): MIELE AND CIE KG
Inventor(s): (std): JUNGCLAUS DIRK ; POETTER BERTHOLD ; WOLBECK MICHAEL
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

30) Family number: 51330675 (US2012156337A) © PatBase

Abstract: An apparatus that generates brewed beverages by performing one or more chemical and/or mechanical processes may receive requests to produce specified brewed beverages. The apparatus may include a master controller that initiates and controls performance of the chemical and/or mechanical processes to produce the specified beverages. The master controller may adaptively apply one or more process accelerators during the performance of one of the chemical or mechanical processes to accelerate the process or to achieve a desired qualitative or quantitative characteristic for a beverage or a component thereof. The adaptive application of one or more process accelerators may be dependent on a multiple-variable process profile developed for the process and/or a specified beverage. For example, the pressure in a steam wand and/or the depth of the wand may be varied during a process to froth milk in order to produce frothed milk having a desired temperature.

Classifications:

International (IPC 8-9): A23F3/00 A23F3/18 A23F5/00 A23F5/26 A23L2/38 A47J31/00 A47J31/24 A47J31/32 A47J31/36 A47J31/40 A47J31/42 A47J31/44 A47J31/50 A47J31/52 A47J31/56 A47J31/60 B67D1/07 G05B15/00 G05B19/00 G05B21/00 G06F17/00 G06Q20/00 G07F13/00 G07F13/06 G07F7/02 G07F9/00 (Advanced/Invention)
CPC: A23F5/26 A23F3/18 A47J31/52 Y10T436/12 A47J31/4403 A47J31/44 G07F13/065 A47J31/002 A47J31/36 A47J31/4496
US: 422/62 426/231 426/231P 426/278 426/425 426/431 426/431P 426/433 426/433P 426/435 426/435S 436/55 700/231 700/239 700/266 700/28 700/29 700/30 700/31 700/32 702/22 702/31 702/32 705/16 99/275 99/280 99/280S 99/281 99/281S 99/282 99/282S 99/299 99/325 99/337 99/468 99/486 99/611 99/632
JP F-Term: 3E044 3E044/AA01 3E044/BA04 3E044/DE01 3E047 3E047/AA02 3E047/AA03 3E047/BA01 3E047/BA02 3E047/EC08 3E047/ED04 3E047/GA01 3E047/HA04 3E047/HA07 3E082 3E082/AA02 3E082/BB01 3E082/CC03 3E082/DD02 3E082/DD09 3E082/EE01 3E082/EE02 3E082/FF01 4B104 4B104/AA11 4B104/BA80 4B104/CA29 4B104/DA56 4B104/DA57 4B104/EA18 4B104/EA30 3E044/BA01 3E047/LA02 3E047/LA03 4B104/AA12 4B104/AA18 4B104/AA25 4B104/AA27 4B104/BA12 4B104/BA14 4B104/BA29 4B104/BA32 4B104/BA48 4B104/BA53 4B104/BA66 4B104/BA71 4B104/BA73 4B104/BA75 4B104/BA81 4B104/BA82 4B104/CA02 4B104/CA18 4B104/CA27 4B104/DA07 4B104/DA11 4B104/DA13 4B104/DA15 4B104/DA24 4B104/DA29 4B104/DA47 4B104/DA50 4B104/DA58 4B104/EA17 4B104/EA21 4B104/EA25
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Family:

Publication number	Publication date	Application number	Application date
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CN107369254 A	20171121	CN201710263857	20111216
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JP2017123165 A2	20170713	JP20160251271	20161226
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KR20140020848 A	20140219	KR20137018571	20111216
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US9545170 BB	20170117	US20150629586	20150224
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Priority:

US20100423593P	20101216	CN201180067123	20111216	EP20110848497	20111216
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US20150629586	20150224	US20170406263	20170113		

Probable Assignee: BRIGGO INC

Assignee(s): (std): BRIGGO INC ; BRIGGO LLC ; HASSOUN MARWAN M ; NATER J KEVIN ; STUDOR CHARLES F

Assignee(s): BRIGGO LLC AUSTIN

Inventor(s): (std): STUDOR CHARLES F ; NATER J KEVIN ; HASSOUN MARWAN M ; HASSOUN MARWAN ; CHARLES F STUDOR ; MARWAN M HASSOUN ; KEVIN J NATER

Agent(s): YEADON MARK; YEADON IP LTD; FUKAMI PATENT OFFICE PC; REISING ETHINGTON PC; KOWERT ROBERT C

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

Title: HOT BEVERAGE PREPARATION DEVICE, IN PARTICULAR A FULLY AUTOMATIC COFFEE MAKER DISPOSITIF DE PREPARATION DE BOISSONS CHAUDES, EN PARTICULIER MACHINE A

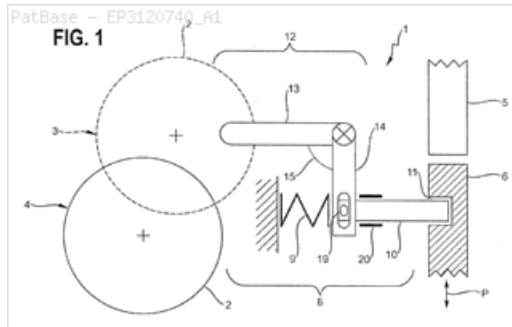
Abstract: Source: EP3120740A1 [DE] Die Erfindung betrifft eine Heissgetraenkezubereitungsrichtung, insbesondere einen Kaffeefullautomat, mit einem beweglichen Funktionselement, welches eine Ruheposition und eine Betriebsposition aufweist, mit einem Gehaeuse, welches zumindest das bewegliche Funktionselement umschliesst, mit einem beweglichen Gehaeuseelement, welches in einer Aussenwand des Gehaeuses angeordnet ist und dazu ausgebildet ist, in einem ersten, geoeffneten Zustand einen Zugang zu dem beweglichen Funktionselement freizugeben und in einem zweiten, geschlossenen Zustand den Zugang zu dem beweglichen Funktionselement zu versperren, und mit einer Verriegelungseinrichtung, welche dazu ausgebildet ist, in einer ersten Position das bewegliche Gehaeuseelement zu verriegeln und in einer zweiten Position das bewegliche Gehaeuseelement freizugeben, und welche derart gegenueber dem beweglichen Funktionselement angeordnet ist, dass das bewegliche Funktionselement in der Ruheposition die Verriegelungseinrichtung in die zweite Position bewegt.

Machine translation: The invention relates to a hot beverage preparation device, in particular an espresso maker, with a movable functional element which has a resting position and operating position, with a housing which encloses at least the mobile function element, with a movable housing element, which is arranged in an exterior wall of the housing and to share access to the movable functional element in a first, open State and to block access to the movable functional element in a second, closed state is trained,, and with a locking device, which is designed to lock the movable housing element in a first position and release the movable housing element in a second position, and which is arranged so opposite the moving functional element that the movable functional element in the rest position moves the locking device in the second position.

Classifications:

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

CPC: A47J31/44 A47J31/4407



Family:

Publication number	Publication date	Application number	Application date
DE102015214097 A1	20170126	DE201510214097	20150724
DE502016002005 D1	20181018	DE201650002005T	20160714
EP3120740 A1	20170125	EP20160179467	20160714
EP3120740 B1	20180919	EP20160179467	20160714

Priority:

DE201510214097 20150724 EP20160179467 20160714

Probable Assignee: BSH HAUSGERAETE GMBH

Assignee(s): (std): BSH HAUSGERAETE GMBH

Inventor(s): (std): EBNER CHRISTOPH ; GRIMME THOMAS ; KOCH FRANZ

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

Title: A SYSTEM WITH DRINKS PREPARATION MACHINE, A METHOD AND COMPUTER PROGRAM FOR ITS ACTIVATION

Abstract: A method for operation of a drinks preparation machine serves for creating a total product from a first part-product and at least a second part-product and a third part-product. The method includes detecting a user input for specifying three quantity shares and creating a total product as a combination of the three part-products with quantities that correspond to the specified quantity shares. A graphic representation of the quantity shares is represented, each with a share display per quantity share, wherein a size of the share display is essentially proportional to the respective quantity share, and the size of at least one of the share displays and thus of the respective quantity share can be adapted in accordance with a user input.

Classifications:

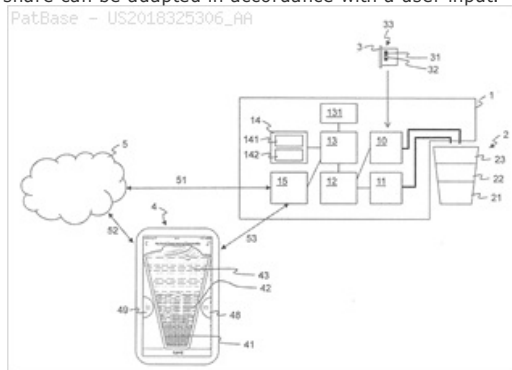
International (IPC 8-9): A47J31/06 A47J31/40 A47J31/44 A47J31/52 B67D1/08 G07F13/06 (Advanced/Invention)

International (IPC 1-7): G07F13/06

CPC: A47J31/40 A47J31/44 A47J31/4403 A47J31/521 A47J31/407 A47J31/4485 A47J31/4492 G07F13/065

JP F-Term: 3E082 3E082/BB04 3E082/DD03 3E082/DD09 3E082/FF03 4B104 4B104/AA20 4B104/AA23 4B104/AA27 4B104/BA05 4B104/BA60 4B104/BA81 4B104/BA82 4B104/DA04 4B104/DA05 4B104/DA12 4B104/DA13 4B104/EA20 4B104/EA40

JP F-Index: A47J31/06/323 A47J31/40/101 A47J31/44/100 B67D1/08/Z



Family:

Publication number	Publication date	Application number	Application date
AU2016357990 AA	20180614	AU20160357990	20161114
BR112018009937 A2	20181106	BR20181109937	20161114
BR112018009937 A8	20190226	BR20181109937	20161114

CA3003225 AA	20180425	CA20163003225	20161114
CN108352095 A	20180731	CN201680066313	20161114
EP3168815 A1	20170517	EP20150194735	20151116
EP3378043 A1	20180926	EP20160805985	20161114
IN201817018560 A	20180907	IN201817018560	20180517
JP2018535014 T2	20181129	JP20180525378T	20161114
KR20180083360 A	20180720	KR20187016359	20161114
SG11201803849P A1	20180628	SG20181103849	20161114
US2018325306 AA	20181115	US20160775911	20161114
WO17085018 A1	20170526	WO2016EP77590	20161114

Priority:

EP20150194735 20151116 WO2016EP77590 20161114

Probable Assignee: QBO COFFEE GMBH

Assignee(s): (std): QBO COFFEE GMBH

Assignee(s): ROBINSON PHIL ; SEO YOUNG ; SCHWERDTFEGER SOPHIE ; MARCHETTI CESAR ; MATHURE GAURABH

Inventor(s): (std): CESAR MARCHETTI ; GAURABH MATHURE ; MARCHETTI CESAR ; MATHURE GAURABH ; PHIL ROBINSON ; ROBINSON PHIL ; SCHWERDTFEGER SOPHIE ; SEO YOUNG ; SOPHIE SCHWERDTFEGER ; YOUNG SEO

Agent(s): GRIFFITH HACK ; SHAPIRO COHEN LLP ; AVENTUM IP LAW LLP ; FREI PATENT ATTORNEYS ; FUKAMI PATENT OFFICE PC

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

33) Family number: 58691713 (DE102013109871A1)

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Title: KAFFEEAUTOMAT MIT MILCHSCHAUERZEUGUNG KAFFEEAUTOMAT WITH MILK FOAM PRODUCTION (Machine translation)

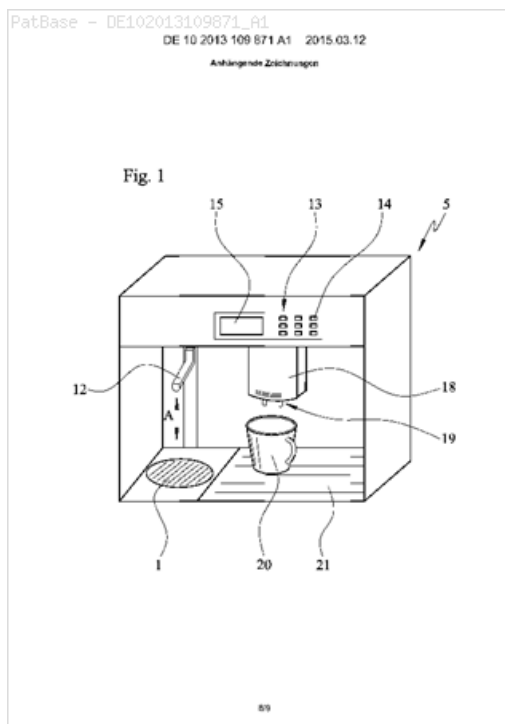
Abstract: Source: DE102013109871A1 [DE] Die Erfindung betrifft einen Kaffeeautomat mit einem Induktionsfeld (1) zur Aufnahme einer Vorrichtung zur Erzeugung von Milchschaum, die einen auf dem Induktionsfeld (1) abstellbaren, einen metallischen Boden (2) aufweisenden Behälter (3) umfasst, wobei in dem Behälter (3) wenigstens ein durch Induktion in Bewegung bzw. Rotation versetzbarer Quirl (4) angeordnet ist, sodass bei Aktivierung des Induktionsfeldes (1) eine Wirkverbindung zwischen dem Quirl (4) und dem Induktionsfeld (1) des Kaffeeautomaten (5) gegeben ist. **Machine**

translation: The invention relates to a coffee machine with an induction field (1) for holding a device for producing milk foam, stoppable the one on the induction field (1), a metallic base (2) having Behälter (3), wherein in said receptacle (3) at least one displaceable by induction in movement or rotation whorl (4) is arranged so that upon activation of the induction field (1) an operative connection between the agitator (4) and the induction field (1) of the coffee machine (5) is given.

Classifications:

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

CPC: A47J31/44



Family:

Publication number	Publication date	Application number	Application date
DE102013109871 A1	20150312	DE201310109871	20130910

Priority:

DE201310109871 20130910

Probable Assignee:

MIELE AND CIE

Assignee(s): (std):

MIELE AND CIE

Assignee(s):

MIELE AND CIE KG

Inventor(s): (std):

TEMBAK JUTTA

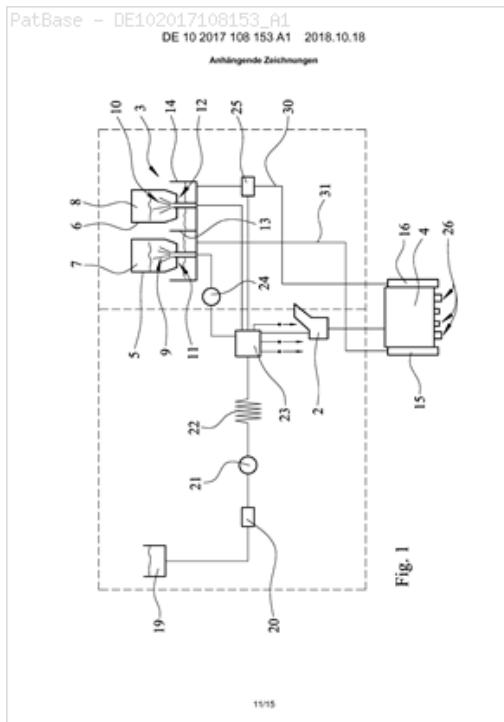
Title: GETRAENKEAUTOMAT UND VERFAHREN ZUR HERSTELLUNG EINES MISCHGETRAENKES MIT EINEM GETRAENKEAUTOMATEN Beverage MACHINE AND METHOD FOR THE PRODUCTION OF A MIXED DRINKS BE STERILIZED WITH A BEVERAGE MACHINES (Machine translation)

Abstract: Source: DE102017108153A1 [DE] Die Erfindung betrifft einen Getraenkeautomaten (1), der zur Herstellung eines Mischgetraenkes geeignet ist und folgende Merkmale aufweist: -eine Brueheinheit (2) zum Aufbruehen eines pflanzlichen Produkts mit heissem Wasser, sodass dadurch ein Aufgussgetraenk erzeugt wird, -eine Dosiereinrichtung (3) zur dosierten Abgabe eines Getraenkezusatzes, -eine Ausgabeeinrichtung (4) und -eine elektronische Steuerungseinheit zur Programmsteuerung der Ablaeufe innerhalb des Getraenkeautomaten (1), dadurch gekennzeichnet, dass die Dosiereinrichtung (3) mindestens einen austauschbaren Vorratsbehaelter (5, 6) mit einem fluessigkeitsloeslichen Getraenkezusatz (7, 8) aufweist, wobei zur Herstellung einer Loesung des Getraenkezusatzes (7, 8) eine durch eine oeffnung (11, 12) des Vorratsbehaelters (5, 6) in den Vorratsbehaelter (5, 6) gerichtete Spruehvorrichtung (9, 10) zum Anspruehen des Getraenkezusatzes (7, 8) mit einer Fluessigkeit vorhanden ist. Das ebenfalls vorgestellte Verfahren zur Herstellung eines Mischgetraenkes mit einem Getraenkeautomaten (1) ist durch folgende Verfahrensschritte gekennzeichnet: -Herstellung einer definierten Menge der Loesung eines Getraenkezusatzes (7, 8) mittels einer Fluessigkeit, -Zusammenfuehrung der Loesung des Getraenkezusatzes (7, 8) mit einem Aufgussgetraenk zur Bildung des Mischgetraenkes innerhalb des Getraenkeautomaten (1) oder Abfuehrung der Loesung des Getraenkezusatzes (7, 8) ueber die Ausgabeeinrichtung (4) in ein Aufgussgetraenk. **Machine translation:** The invention relates to a beverage machine (1) which is suitable for producing a mixed drinks be sterilized and have the following characteristics: (2) for the Aufbruehen-a-hein simplicity of a vegetable product with hot water, allowing an infusion beverage, a dosing device (3)-generated for the dosed dispensing of a beverage additive-one output device (4) and an electronic control unit for program control the operations within the beverage machine (1), wherein the dosing device (3) has at least one exchangeable reservoir (5, 6) having a liquid beverage additives soluble (7, 8), wherein, for the preparation of a solution of the additive (7, 8) is a beverage through an opening (11, 12) of the reservoir (5, 6) into the reservoir (5, 6) Sprayer (9, 10) for claims of the Beverage additive (7, 8) having a liquid is present. The also presented method for producing a mixed drinks be sterilized with a Beverage machine (1) is characterized by the steps of: preparation of a defined amount of the solution of a beverage additive (7, 8), by means of a liquid-merging the solution of the additive (7, 8) with a beverage infusion beverage to form the mixed drinks be sterilized within the beverage machines (1) or dissipation of the solution of the Beverage additive (7, 8) via the output device (4) in an infusion beverage.

Classifications:

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

CPC: A47J31/44 A47J31/402



Family:

Publication number	Publication date	Application number	Application date
DE102017108153 A1	20181018	DE201710108153	20170418

Priority:

DE201710108153 20170418

Probable Assignee: MIELE AND CIE

Assignee(s): (std): MIELE AND CIE

Assignee(s): MIELE AND CIE KG

Inventor(s): (std): EWERT ANDREAS ; TEMBAK JUTTA ; WENZKE MICHAEL

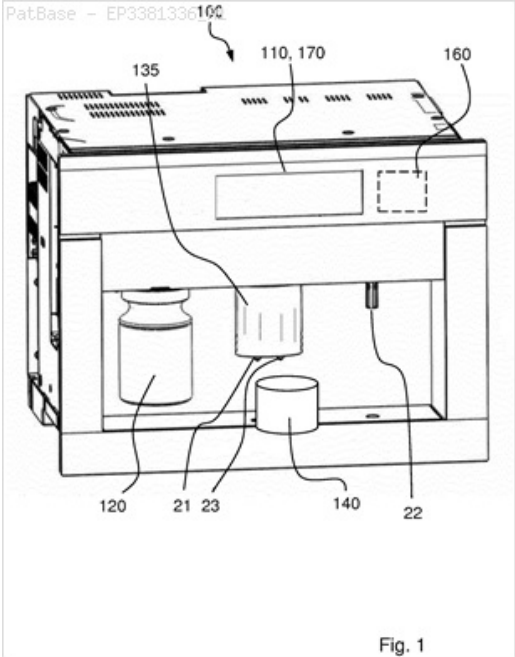
Title: METHOD AND DEVICE FOR CONTROLLING A HOT DRINK PREPARATION DEVICE PROCEDE ET DISPOSITIF DE COMMANDE D'UN DISPOSITIF DE PREPARATION DE BOISSONS CHAUDES

Abstract: Source: EP3381336A1 [DE] Die Erfindung betrifft ein Verfahren (400) zur Ansteuerung einer Heissgetraenkebereitungsvoerrichtung (100). Das Verfahren (400) umfasst einen Schritt des Ausgebens (410) eines Anzeigemenues (200) zur Auswahl eines von mehreren Betriebsmodi (220, 230, 240, 250) fuer die Heissgetraenkebereitungsvoerrichtung (100), wobei zumindest einer der auswaehlbaren Betriebsmodi (220, 230, 240, 250)

einen Hochtemperaturbetriebsmodus (230) und ein weiterer der auswählbaren Betriebsmodi (220, 230, 240, 250) einen Niedertemperaturbetriebsmodus (220) repräsentiert, wobei bei dem Hochtemperaturbetriebsmodus (230) ein Betrieb der Heissgetraenkebereitungsvorrichtung (100) mit einer hohen Temperatur einer Heizeinheit (150) zur Erhitzung einer Flüssigkeit zur Getraenkebereitung in Zeitintervallen ohne Getraenkebezug von der Heissgetraenkebereitungsvorrichtung (100) vorgesehen ist und bei dem Niedertemperaturbetriebsmodus (220) ein Betrieb der Heissgetraenkebereitungsvorrichtung (100) mit einer niedrigen Temperatur einer Heizeinheit (150) zur Erhitzung der Flüssigkeit in Zeitintervallen ohne Getraenkebezug von der Heissgetraenkebereitungsvorrichtung (100) vorgesehen ist. Ferner umfasst das Verfahren (400) einen Schritt des Einlesens (420) eines von einem Benutzer der Heissgetraenkebereitungsvorrichtung (100) ausgewählten Betriebsmodus (220, 230, 240, 250) und Ansteuern der Heissgetraenkebereitungsvorrichtung (100) unter Verwendung des eingelesenen Betriebsmodus (220, 230, 240, 250).

Machine translation: The invention relates to a method (400) for controlling a hot beverage preparation device (100). The method (400) includes a step of outputting (410) of a display menus for selecting one of a plurality of operating modes (200) (220, 230, 240, 250) for the hot beverage preparation apparatus (100), wherein at least one of the selectable operating modes (220, 230, 240, 250) in a high-temperature operating mode (230) and another one of the selectable operating modes (220, 230, 240, 250) to a low temperature mode of operation (220), wherein the high temperature mode of operation (230), an operation of the hot beverage preparation device (100) having a high temperature of a heater unit (150) is used to heat a fluid for beverage preparation in time intervals of the hot beverage preparation without beverage reference device (100) is provided in the low temperature mode (220) and operation of the hot beverage preparation device (100) having a low temperature of a heater unit (150) is used to heat the liquid in the time intervals of the hot beverage preparation without beverage reference device (100) is provided. The method further comprises a step of reading (400) (420) one of a user of the hot beverage preparation device (100) selected mode (220, 230, 240, 250) and controlling the hot beverage preparation device (100) using the programd operation mode (220, 230, 240, 250).

Classifications:
International (IPC 8-9): A47J31/40 A47J31/42
A47J31/44 (Advanced/Invention);
A47J31/44 (Advanced/Non-invention)
CPC: A47J31/40 A47J31/42 A47J31/44



Family:

Publication number	Publication date	Application number	Application date
DE102017106491 A1	20180927	DE201710106491	20170327
EP3381336 A1	20181003	EP20180161708	20180314

Priority:
DE201710106491 20170327

Probable Assignee: MIELE AND CIE

Assignee(s): (std): MIELE AND CIE

Assignee(s): MIELE AND CIE KG

Inventor(s): (std): LIEMKE FRANK ; POETTER BERTHOLD ; WOLBECK MICHAEL

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

36) Family number: 71977778 (WO18211003A1) © PatBase

Title: APPARATUS AND METHOD OF FROTHING A QUANTITY OF MILK

Abstract: It is disclosed an apparatus for frothing a quantity of milk for preparing a beverage, the apparatus comprises: a platform (1) for supporting a jug (50) containing the quantity of milk to be frothed and a steam wand (10) configured for emitting steam, wherein either said platform (1) is tiltable around a horizontal axis (X, Y) or the steam wand (10) is tiltable around a horizontal axis and wherein said steam wand (10) and said platform (1) are reciprocally movable by a translational movement in the vertical direction one with respect to the other. Preferably, there is provided a translational vertical motion of the steam wand with respect to the jug and/or of the jug with respect to the steam wand.

Classifications:
International (IPC 8-9): A47J31/44 (Advanced/Invention)
CPC: A47J31/4489 A47J31/44 A47J31/4425

Publication number	Publication date	Application number	Application date
IT201700054448 A1	20181119	IT20171000054448	20170519
WO18211003 A1	20181122	WO2018EP62883	20180517

IT201710000054448 20170519

Assignee(s): (std): COFFEE INNOVATIONS PTY LTD ; COFFEE INNOVATIONS PTY LTD C O GREEN AND STERNFELD ; LA MARZOCCO S R L

Inventor(s): (std): SHALEV ZIV ; WURM ENRICO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PC PE PG PH PL PT QZ RO RS RU 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

Abstract: The system for producing foam in milk or milk drinks comprises a stirrer (12) on a shaft (11) which is driven by an electric motor. This can be lowered into a cup (13) and moved further down as the liquid level sinks when foam is produced. An independent claim is included for a cappuccino machine fitted with the system.

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

A47J43/044 (Advanced/Invention);

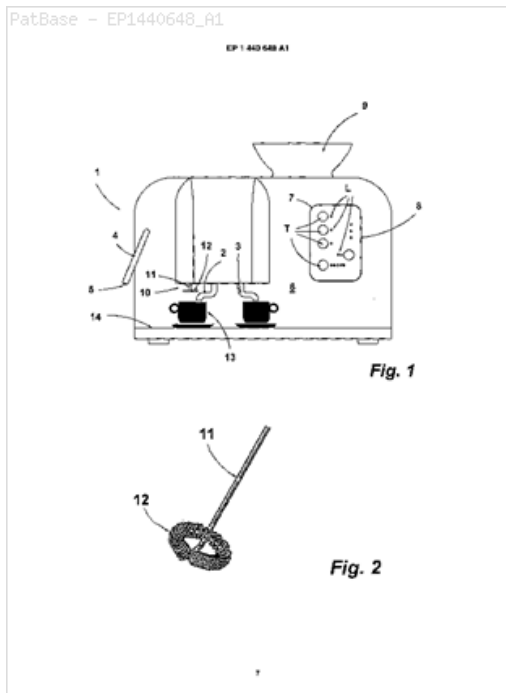
A47J31/44 A47J43/04 (Core/Invention)

International (IPC 1-7): A23C1/00 A23C9/00 A47J A47J31/00

A47J31/44 A47J43/044 A47J43/44

CPC: A47J31/44 A47J43/044 A47J2043/04472

European: A47J31/44 A47J43/044 K47J43/044K4

**Family:**

Publication number	Publication date	Application number	Application date
AT300907 E	20050815	AT20040001037T	20040120
CN2730144 Y	20051005	CN200420004928U	20040121
DE20300851 U1	20040701	DE20032000851U	20030121
DE502004000034 D1	20050908	DE200450000034T	20040120
EP1440648 A1	20040728	EP20040001037	20040120
EP1440648 B1	20050803	EP20040001037	20040120
ES2243910 T3	20051201	ES20040001037T	20040120
HK1061147 A2	20040813	HK20040100473	20040121
TWM262130 Y	20050421	TW20040201205U	20040120

Priority:

DE20032000851U 20030121

Probable Assignee: WIK FAR EAST LTD**Assignee(s):** (std): WEIJIA POWER IND CO LTD ; WIK FAR EAST LIMITED ; WIK FAR EAST LTD**Assignee(s):** WIK FAR EAST LTD NORTH POINT ; WIK FAR EAST UNIT B 23RD FLOOR MANULIFE TOWER 169 ELECTRIC ROAD LTD**Inventor(s):** (std): MARCUS STAKHAN ; MARKUS STECKHAN ; STECKHAN MARKUS ; STAKHAN MARCUS**Designated states:** AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR**38) Family number: 58507878** (DE102013013597A1)

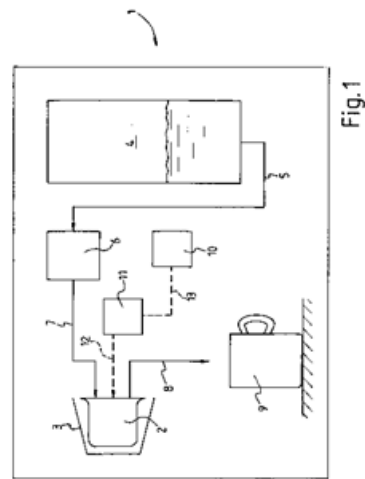
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Title: "HEISSGETRAENKESYSTEM, ZUBEREITUNGSVORRICHTUNG UND KAPSELN" "HEISSGETRAENKESYSTEM, PREPARATION DEVICE AND CAPSULES" (Machine translation)

Abstract: Source: DE102013013597A1 [DE] Es wird eine Kapsel zur Bevorratung von Heissgetraenkepolver, wie zum Beispiel Kaffeepulver, Kakaopulver oder dergleichen fuer die Zubereitung von Heissgetraenken, wie zum Beispiel Kaffee, Espresso, Kakao oder dergleichen, in einer Kaffeemaschine, einem Kaffeeautomat, einem Getraenkeautomat oder dergleichen, wobei die Kapsel einen Behaelter zur Aufnahme des Heissgetraenkepolvers und zum Einleiten einer Bruehfluessigkeit, insbesondere von heissem Wasser, zum Heissgetraenkepolver umfasst, vorgeschlagen. Um die Getraenkequalitaet verbessern zu koennen ist, mindestens ein Sensorelement zum Erfassen von Messgroessen vorhanden, wobei wenigstens eines der Sensorelemente wenigstens teilweise zu einem Bereich hin, in den die Bruehfluessigkeit beim Einleiten gelangt, ohne Abdeckung angebracht ist, sodass es beim Einleiten der Bruehfluessigkeit unmittelbar mit der Bruehfluessigkeit in Kontakt kommen kann. **Machine translation:** It is a capsule for storage of Heissgetraenkepolver, such as coffee powder, cocoa powder or the like for the preparation of Heissgetraenken, such as coffee, espresso, cocoa, or the like, in a coffee maker, coffee machine, a Getraenkeautomat or the like, the capsule comprises a container for receiving the Heissgetraenkepolvers and for initiating a brewing liquid, in particular hot water, to Heissgetraenkepolver proposed. Is order to be able to improve the Getraenkequalitaet, at least one sensor element for detecting measurands available, at least one of the sensor elements is mounted at least partially to an area out in the brewing liquid enters upon initiation, without cover, so it immediately upon introduction of the brewing liquid with the brewing liquid can come into contact.

Classifications:**International (IPC 8-9):** A47J31/40 B65D85/804 (Advanced/Invention)**CPC:** B65D85/8043 A47J31/0615 A47J31/0668 A47J31/3628

A47J31/3695 A47J31/402 A47J31/44 A47J31/4492 A47J31/56



Family:

Publication number	Publication date	Application number	Application date
DE102013013597 A1	20150219	DE201310013597	20130819

Priority:

DE201310013597 20130819

Probable Assignee: MECOSWISS MECHANISCHE COMPONENTEN GMBH AND CO KG

Assignee(s): (std): MECOSWISS MECHANISCHE COMPONENTEN GMBH AND CO KG

Inventor(s): (std): SCHROTT HARALD ; WALLERSTORFER KURT

39) Family number: 55104879 (DE102012103861A1)

© PatBase

Title: HOT DRINK PREPARATION MACHINE I.E. COFFEE MACHINE FOR PREPARING COFFEE, HAS TRANSMISSION AND RECEIVER UNITS MUTUALLY ARRANGED SUCH THAT LIGHT EMITTED BY TRANSMISSION UNIT IS RECEIVED AS REFLECTANCE AT UPPER EDGE AND AT TOP SURFACE OF BOTTOM

Abstract: The machine i.e. coffee machine (1), has outlets (3, 3') for outputting a prepared drink or drink components, and a detection device detecting characteristic of a drinking vessel i.e. cup (6), which is positioned below the outlets for collecting the drink. The detection device has an optical surface sensor provided as a receiver unit and a lighting unit provided as a transmission unit. The transmission and receiver units are mutually arranged such that light emitted by the transmission unit is received as a reflectance at an upper edge below the outlets and at a top surface of a cup bottom. The lighting unit consist of individual light sources e.g. LEDs such as infrared (IR) LEDs. The surface sensor is designed as a complementary metal-oxide-semiconductor (CMOS) sensor. An independent claim is also included for a method for determining filling volume of a hot drink preparation machine.

Classifications:

International (IPC 8-9): A47J31/44 A47J31/46 A47J31/58

G01F23/292 (Advanced/Invention)

CPC: A47J31/44 G01F23/292 A47J31/4482 A47J31/56

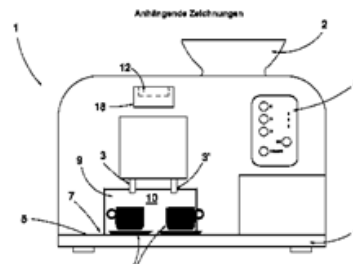


Fig. 1

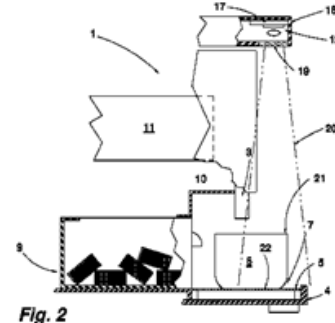


Fig. 2

11/12

Family:

Publication number	Publication date	Application number	Application date
DE102012103861 A1	20131107	DE201210103861	20120503

Priority:

DE201210103861 20120503

Probable Assignee:

WIK FAR EAST LTD

Assignee(s): (std):

WIK FAR EAST LTD

Inventor(s): (std):

NEHRING JENS MARTIN

40) Family number: 43487893 (US2012164295A)

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Title: BEVERAGE PREPARATION MACHINES

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.

Classifications:**International (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: A47J31/06D A47J31/36B4D2 A47J31/46**US:** 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

JP F-Term: 4B104 4B104/AA18 4B104/AA19 4B104/AA20

4B104/BA15 4B104/BA21 4B104/BA23 4B104/BA32 4B104/BA35

4B104/BA45 4B104/BA63 4B104/BA81 4B104/BA89 4B104/CA07

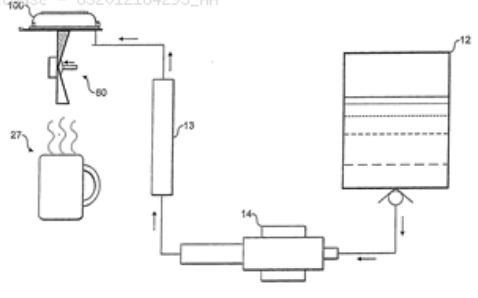
4B104/DA09 4B104/DA11 4B104/DA17 4B104/DA29 4B104/DA58

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JP F-Index: A47J31/06/110 A47J31/32 A47J31/36/328 A47J31/44/Z

A47J31/44/100

PatBase - US2012164295_A1

**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
GB2469874 B2	20120919	GB20090007612	20090501
JP2012518508 T2	20120816	JP20110551523T	20100324
JP5335938 B2	20131106	JP20110551523T	20100324
KR101360329 B1	20140207	KR20117028668	20100324
KR20120014018 A	20120215	KR20117028668	20100324
RU2011148940 A	20130927	RU20110148940	20100324

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

Priority:

GB20090007612 20090501 EP20100722165 20100324 WO2010GB00551 20100324
US20120318044 20120307 US20140256734 20140418

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

41) Family number: 60160905 (US2015327717A)

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Title: MOVING INLET NOZZLES IN BEVERAGE SYSTEMS

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.

Classifications:

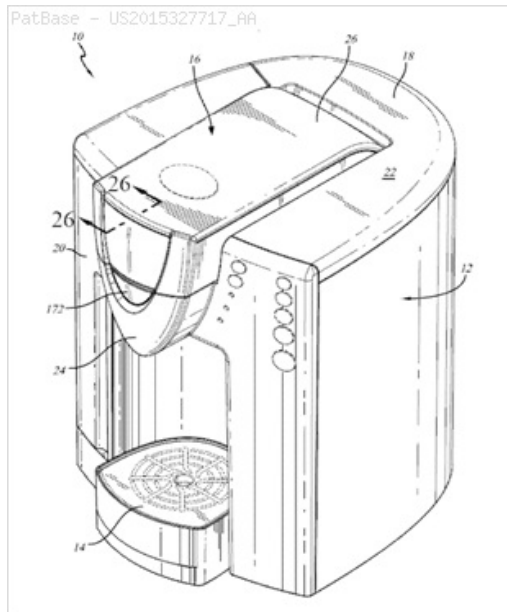
International (IPC 8-9): A23F3/18 A23F5/26 A47J31/00 A47J31/02 A47J31/057 A47J31/06 A47J31/10 A47J31/22 A47J31/24 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/46 A47J31/52 A47J31/54 A47J31/56 A47J31/60 B65D85/804 F04B49/06 G05B11/42 (Advanced/Invention)

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

JP F-Term: 3E035 4B104 4B104/AA20 4B104/BA15 4B104/BA17 4B104/BA21 4B104/BA22 4B104/BA40 4B104/BA41 4B104/BA43 4B104/BA68 4B104/BA82 4B104/CA07 4B104/CA18 4B104/CA19 4B104/CA26 4B104/CA27 4B104/DA51 4B104/EA13 4B104/EA27 4B104/EA30 4B104/AA19 4B104/BA16 4B104/BA20 4B104/CA06 4B104/DA08 4B104/DA09 4B104/DA11 4B104/DA39 4B104/DA44 4B104/DA45 4B104/EA17 4B104/EA19 4B104/EA34 4B104/DA33 4B104/EA31 4B104/BA23 4B104/BA33 4B104/BA34 4B104/CA09 4B104/DA20

JP F-Index: A47J31/06/323 A47J31/36/122 A47J31/40/107 A47J31/44/196 B65D85/804/200 A47J31/00/302 A47J31/44/170 A47J31/46 A47J31/56 A47J31/36/320 A47J31/60



Family:

Publication number	Publication date	Application number	Application date
AU2015218305 AA	20160929	AU20150218305	20150213
AU2015243541 AA	20161124	AU20150243541	20150408
AU2015328261 AA	20170420	AU20150328261	20151006
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CA2939341 AA	20160810	CA20152939341	20150213
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CA2962617 AA	20170324	CA20152962617	20151006
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CN106455857 A	20170222	CN201580029305	20150408
CN106793887 A	20170531	CN201580054196	20150813
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EP3104755 A1	20161221	EP20150749233	20150213
EP3104755 A4	20171018	EP20150749233	20150213
EP3128882 A1	20170215	EP20150776092	20150408

EP3128882 A4	20180523	EP20150776092	20150408
EP3203881 A1	20170816	EP20150849755	20150813
EP3203881 A4	20180718	EP20150849755	20150813
EP3203882 A1	20170816	EP20150848685	20151006
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JP2017513583 T2	20170601	JP20160561814T	20150408
JP2017529988 T2	20171012	JP20170537890T	20150813
JP2017529989 T2	20171012	JP20170538186T	20151006
JP6434042 B2	20181205	JP20160551800T	20150213
KR20160123367 A	20161025	KR20167025561	20150213
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KR20170063939 A	20170608	KR20177012172	20151006
KR20170065632 A	20170613	KR20177012170	20150813
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US2015327718 AA	20151119	US20150810445	20150727
US2015327719 AA	20151119	US20150810448	20150727
US2016174755 AA	20160623	US20160056131	20160229
US2016338527 AA	20161124	US20160076144	20160321
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US2016360919 AA	20161215	US20160174339	20160606
US2017027367 AA	20170202	US20160222724	20160728
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US10045654 BB	20180814	US20150810429	20150727
WO15123612 A1	20150820	WO2015US15971	20150213
WO15157475 A1	20151015	WO2015US25013	20150408
WO16057116 A1	20160414	WO2015US45146	20150813
WO16057568 A1	20160414	WO2015US54312	20151006
WO16127126 A1	20160811	WO2016US16884	20160205
WO17023707 A1	20170209	WO2016US44576	20160728

Priority:

US20140940290P	20140214	US20140977069P	20140408	US20140060282P	20141006
US20140069772P	20141028	US20150112627P	20150205	US20150118473	20150213
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WO2015US25013	20150408	US20150230508P	20150605	US20150174443P	20150611
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US20150199941P	20150731	US20150202709P	20150807	US20150202753P	20150807
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US20150516894	20151006	WO2016US16884	20160205	US20160549106	20160205
US20160056131	20160229	US20160076144	20160321	US20160174290	20160606
US20160174339	20160606	US20160222724	20160728	US20180024453	20180629

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; GEVERS 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

42) Family number: 73333914 (US2019059637A)

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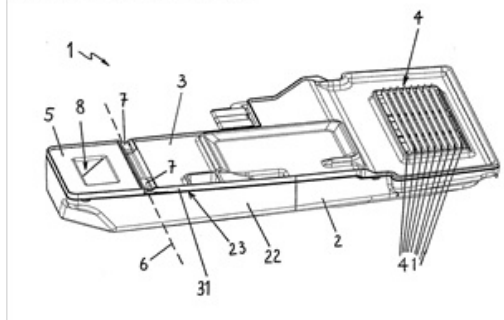
Title: RESIDUAL WATER CONTAINER FOR AN APPARATUS FOR BEVERAGE PREPARATION AS WELL AS APPARATUS FOR BEVERAGE PREPARATION

Abstract: The residual water container for an apparatus for beverage preparation includes: a dish having at least one interior for receiving residual water and having an opening which is delimited by an upper edge of the dish; a cover for covering a first partial region of the opening of the dish and a flap for temporary covering of a second partial region of the opening of the dish. The flap is pivotable relative to the dish about a pivot axis so that the flap is pivotable between a closed state and an open state, wherein in the open state a pouring opening of the residual water container is exposed through which pouring opening residual water can be poured out over the upper edge of the dish and wherein in the closed state the pouring opening is closed.

Classifications:

International (IPC 8-9): A47J31/00 A47J31/44 B67D1/16 (Advanced/Invention)

CPC: A47J31/4482 A47J31/4428 A47J31/44

**Family:**

Publication number	Publication date	Application number	Application date
AU2018220019 AA	20190314	AU20180220019	20180821
CA3013998 AA	20190223	CA20183013998	20180813
CN109419363 A	20190305	CN201810955166	20180821
EP3446602 A1	20190227	EP20170187523	20170823
US2019059637 AA	20190228	US20180109983	20180823

Priority:

EP20170187523 20170823

Probable Assignee: JURA ELEKTROAPPARATE AG**Assignee(s):** (std): JURA ELEKTROAPPARATE AG**Assignee(s):** RUTTI PASCAL ; BUTTIKER PHILIPP**Inventor(s):** (std): BUETTIKER PHILIPP ; BUTTIKER PHILIPP ; RUETTI PASCAL ; RUTTI PASCAL**Agent(s):** SPRUSON AND FERGUSON; MARKS AND CLERK; EGLI EUROPEAN PATENT ATTORNEYS**Designated states:** AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR**43) Family number: 46560925 (US2013078341A)**

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Title: CARTRIDGE AND METHOD FOR THE PREPARATION OF BEVERAGES

Abstract: A cartridge contains a beverage ingredient which comprises liquid beverage ingredient and elongate particles of beverage ingredient. The cartridge comprises an inlet (45) for the introduction of an aqueous medium, an outlet (44) for a beverage produced from the beverage ingredient, and a flow path linking the inlet to the outlet. The cartridge further comprises a filter (400) located in the flow path and an aperture (128) located in the flow path downstream of the filter, the aperture arranged, in use, to generate a jet of beverage. The filter has a plurality of openings (401) sized to retain a substantial portion of the elongate particles on the upstream side of the filter to prevent blockage of the aperture. The maximum area of each opening on the upstream face of the filter is no more than ten times the area of the aperture.

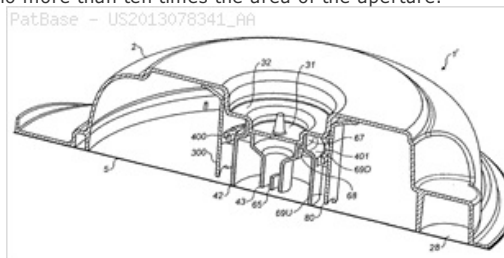
Classifications:

International (IPC 8-9): A47J A47J31/00 A47J31/06 A47J31/18 A47J31/44 B01D27/08 B65D B65D25/40 B65D81/34 B65D85/72 B65D85/73 B65D85/80 B65D85/804 B65D85/816 (Advanced/Invention); A47J B65D (Subclass/Invention)

CPC: A47J31/00 B65D85/8043 B65D85/80 B65D25/40 A47J31/0642 A47J31/06 A47J31/44 B65D85/72 B65D85/73 B65D85/816 B65D85/804

European: B65D85/804B**US:** 1/1 426/115 426/431 99/295

JP F-Term: 3E035 3E035/AA02 3E035/AA03 3E035/AA20 3E035/BA04 3E035/BB08 3E035/BC02 3E035/BD03 3E035/CA01 4B104 4B104/AA20 4B104/BA36 4B104/BA43 4B104/BA53 4B104/BA57 4B104/EA19 4B104/EA21 4B104/EA30 4D026 4D026/AB01 4D026/AB14 4D026/AB17 4D116

JP F-Index: A47J31/06/A A47J31/40/107 A47J31/44/430 A47J31/46 B01D27/08 B65D85/50/Z B65D85/73 B65D85/804/200**Family:**

Publication number	Publication date	Application number	Application date
BR112012028647 A2	20160809	BR20121128647	20110606
CA2801995 AA	20121207	CA20112801995	20110606
CN102917966 A	20130206	CN201180026110	20110606
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DE602011009088 D1	20140925	DE201160009088T	20110606
EP2580143 A1	20130417	EP20110726160	20110606
EP2580143 B1	20140813	EP20110726160	20110606
ES2513566 T3	20141027	ES20110726160T	20110606
GB201009854 A0	20100721	GB20100009854	20100611
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HK1182069 A1	20150327	HK20130109512	20130814
HK1182069 A1	20131122	HK20130109512	20130814
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JP2013529938 T2	20130725	JP20130504338T	20110606
JP5617030 B2	20141029	JP20130504338T	20110606
KR101464692 B1	20141124	KR20127032110	20110606
KR20130033376 A	20130403	KR20127032110	20110606
RU2013100997 A	20140720	RU20130100997	20110606

RU2553050 C1	20150610	RU20140105985	20140218
US2013078341 AA	20130328	US20110699165	20110606
US2016340109 AA	20161124	US20160207382	20160711
US9415930 BB	20160816	US20110699165	20110606
US9919864 BB	20180320	US20160207382	20160711
WO11154690 A1	20111215	WO2011GB00851	20110606
WO11154690 A8	20121101	WO2011GB00851	20110606

Priority:

GB20100009854 20100611 EP20110726160 20110606 WO2011GB00851 20110606
US20120699165 20121120 US20160207382 20160711

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s): (std): DOUWE EGBERTS BV ; DOUWE EGBERTS BV KONINKLL ; KRAFT FOOD R AND D INC ; KRAFT FOODS R AND D INC ; YORK GEOFFREY ; KRAFT FUDZ AR EHND DI INK

Assignee(s): KRAFT FOODS UK LTD ; KRAFT FOODS R AND D INC DEERFIELD

Inventor(s): (std): YORK GEOFFREY ; JORK DZHEFFRI

Inventor(s): GEOFFREY YORK

Agent(s): SIM AND MCBURNEY; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; BUCKS TERESA ANNE; BOULT WADE TENNANT; DE ELZABURU ALBERTO; CHINA PATENT AGENT HK LTD; 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

44) Family number: 70946927 (WO18156361A1)

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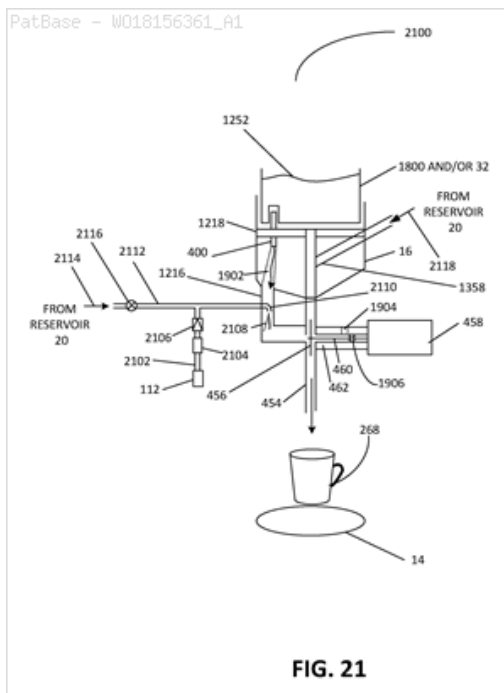
Title: BEVERAGE MAKER

Abstract: Aspects of the present disclosure comprise methods and apparatuses for multiple fluid flow delivery within beverage systems. Such control may be with external inputs and may be remotely controlled from a different geographic location. Such methods and apparatuses, in certain aspects of the present disclosure, may also provide a second and/or third liquid.

Classifications:

International (IPC 8-9): A23F5/26 A47J31/00 A47J31/02 A47J31/40 A47J31/44 (Advanced/Invention)

CPC: A23F5/26 A47J31/00 A47J31/02 A47J31/40 A47J31/44 A47J31/3695 A47J31/002 A47J31/4403



Family:

Publication number	Publication date	Application number	Application date
WO18156361 A1	20180830	WO2018US17453	20180208

Priority:

US20170457131P 20170209

Probable Assignee: COFFEE SOLUTIONS LLC

Assignee(s): (std): COFFEE SOLUTIONS LLC

Inventor(s): (std): BURROWS BRUCE

Agent(s): ORLER ANTHONY J

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

Title: VORRICHTUNG ZUM HERSTELLEN EINES GETRAENKES DEVICE FOR PRODUCING A BEVERAGE (Machine translation)

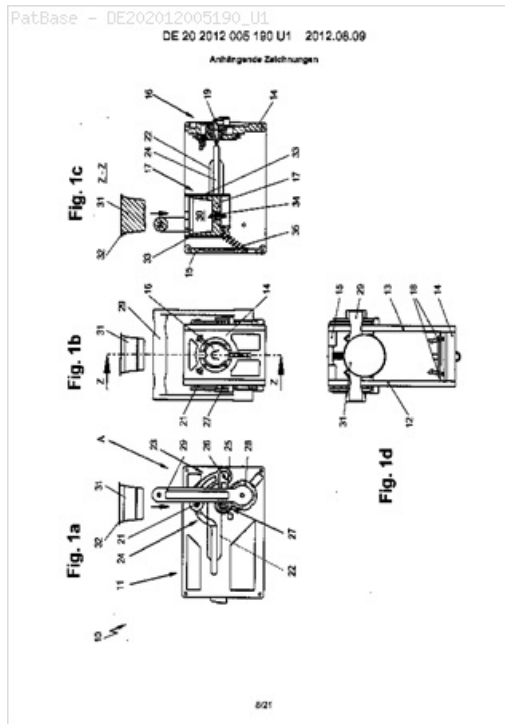
Abstract: Source: DE202012005190U1 [DE] Vorrichtung zum Zubereiten eines Getraenkes, wie Kaffee, Tee od. dgl., wenigstens mit einer Einrichtung zum Zubereiten wenigstens eines, in mindestens einer Produktkapsel enthaltenen Lebensmittels durch ein fluessiges und/oder gasfoermiges Mittel, im Wesentlichen bestehend aus einem Gehaeuse, in dem ein Kapselhalter und ein Verschlusssteil gelagert sind, wobei der Kapselhalter und/oder das Verschlusssteil durch eine Antriebseinheit in eine Zubereitungsposition bewegbar sind, dadurch gekennzeichnet, dass die Einrichtung (10) als austauschbares Gehaeusemodul (11) ausgebildet ist, welches manuell aus der Vorrichtung (43, 49) entfernbar bzw. in die Vorrichtung (43, 49) einsetzbar ist.

Machine translation: Apparatus for preparing a beverage such as coffee, tea or the like, at least with a means for preparing at least one, in at least one capsule contained food product by a liquid and / or gasoermiges agent, essentially consisting of a housing in which a capsule holder and a closure member are mounted, wherein the capsule holder and / or the closure member being movable by a drive unit in a preparation position, characterized in that the means (10) formed as an exchangeable Gehaeusemodul (11), which manually from the device (43, 49) removably or into the device (43, 49) can be inserted.

Classifications:

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

CPC: A47J31/3676 A47J31/446 A47J31/3633 A47J31/44



Family:

Publication number	Publication date	Application number	Application date
DE202012005190 U1	20120809	DE201220005190U	20120525

Priority:

DE201220005190U 20120525

Probable Assignee:

SEVERIN ELEKTROGERAETE GMBH

Assignee(s): (std):

SEVERIN ELEKTROGERAETE GMBH

Title: GETRAENKEZUBEREITUNGSVORRICHTUNG BEVERAGE PREPARATION DEVICE (Machine translation)

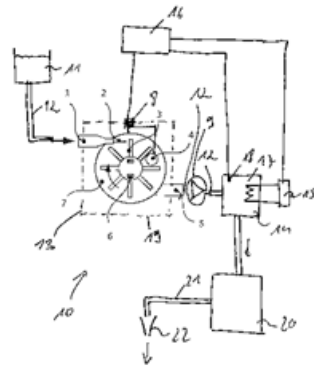
Abstract: Source: DE202016105100U1 [DE] Getraenkezubereitungsvoerrichtung zum Herstellen eines Getraenks, umfassend ein Vorrichtungsgehaeuse sowie Wasserversorgungsmittel (11), insbesondere einen Wassertank und/oder einen Frischwasseranschluss, die ueber eine Wasserleitung (12) mit einem Durchlauferhitzer (14) und/oder einem Durchlaufkuehler verbunden sind, wobei der Wasserleitung (12) signalleitend mit Logikmitteln (16) verbundene Durchflusssensormittel zugeordnet sind, mit welchen der Wasserdurchfluss durch die Wasserleitung (12) bestimmbar ist und wobei der Wasserleitung (12) signalleitend mit den Logikmitteln (16) verbundene Temperatursensormittel zum Bestimmen der Wassertemperatur zugeordnet sind, und wobei die Logikmittel (16) den Durchlauferhitzer (14) und/oder den Durchlaufkuehler in Abhaengigkeit eines Sensorsignals der Durchflusssensormittel und eines Sensorsignals der Temperatursensormittel ansteuernd ausgebildet sind, dadurch gekennzeichnet, dass die Temperatursensormittel und die Durchflusssensormittel in einer gemeinsamen Baugruppe (13) angeordnet und dort fest relativ zueinander positioniert sind.

Machine translation: Comprehensive beverage preparation device for the production of the drink, a device housing and Wasserversorgungsmittel (11), in particular a water tank or a fresh water supply, are connected via a water pipe (12) with a tankless water heater (14) and/or a coolers, where (12) Durchflusssensormittel signal conductively connected to logic means (16) are associated with the water pipe, which is the water flow through the water pipe (12) and with (12) Temperatursensormittel signal conductively connected to logic means (16) to determine the water temperature associated with the water pipe, and with the Logikmittel (16) the water heater (14) or the coolers based on a sensor signal of the Durchflusssensormittel and of the Temperatursensormittel the sensor signal controlling trained are characterised by the fact that the Temperatursensormittel and the Durchflusssensormittel in a common Assembly (13) are arranged and positioned there fixed relative to each other,.

Classifications:

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

CPC: A47J31/44 A47J31/52



Family:

Publication number	Publication date	Application number	Application date
DE202016105100 U1	20170413	DE201620105100U	20160914

Priority:

DE201510119752 20151116

Probable Assignee:

EUGSTER FRISMAG AG

Assignee(s): (std):

EUGSTER FRISMAG AG

47) Family number: 55626934 (US2015173561A)

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Title: SYSTEM FOR THE PREPARATION OF BEVERAGES

Abstract: A system (1) for the preparation of beverages includes a beverage supply device (10) for delivering a dose of liquid through a liquid outlet (58) and a beverage receptacle (20) having a base having a liquid inlet (72). The supply device and beverage receptacle may be joined together using a coupling interface (44,46) for connecting the beverage supply device to the base of the beverage receptacle. This allows the liquid to flow into the bottle via the liquid inlet in the base of the beverage receptacle. The system may operate with capsule containing concentrated beverage and may include further accessories.

Classifications:

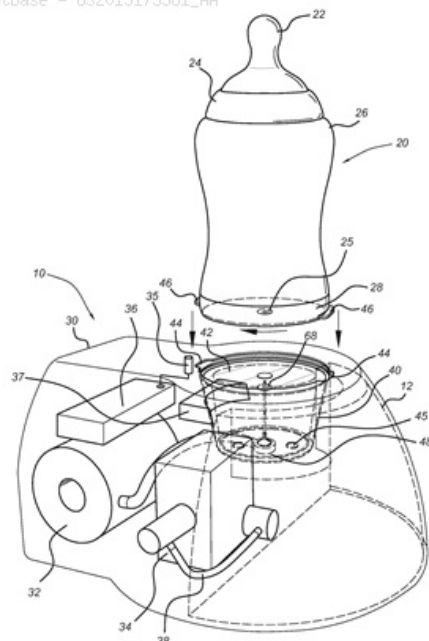
International (IPC 8-9): A47J31/40 A47J31/44 A61J9/00 B65D85/804 B65D85/816 (Advanced/Invention);

A47J31/40 (Core/Invention)

CPC: A47J31/407 A61L2/07 A61L2202/23 A47J31/44 A47J31/401 A61J9/00 B65D85/8043

US: 215/11.1 426/115 426/431 99/300

PatBase - US2015173561_AA



Family:

Publication number	Publication date	Application number	Application date
AU2013289231 AA	20140116	AU20130289231	20130709

BR112015000286 A2	20170627	BR20151100286	20130709
CN104797176 A	20150722	CN201380036965	20130709
EP2872015 A2	20150520	EP20130735014	20130709
ID201604544 A	20160729	ID2015P0000774	20130709
IN00709DN2015 A	20150626	IN2015DN00709	20150128
NZ704057 A	20160729	NZ20130704057	20130709
PH2014502881 A	20150223	PH20140502881	20141223
RU2015104264 A	20160827	RU20150104264	20130709
TH147476 A	20160304	TH20141007800	20130709
US2015173561 AA	20150625	US20130413588	20130709
WO14008926 A1	20140116	WO2012EP63483	20120710
WO14009339 A2	20140116	WO2013EP64439	20130709
WO14009339 A3	20141218	WO2013EP64439	20130709

Priority:

WO2012EP63483 20120710 EP20130735014 20130709 WO2013EP64439 20130709

Probable Assignee: NUTRICIA NV

Assignee(s): (std): FOSTER JODY JAMES ; N V NUTRICIA ; NUTRICIA NV

Inventor(s): (std): JAMES FOSTER JODY ; JODY JAMES FOSTER ; FOSTER JODY JAMES

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; JANSEN CORNELIS MARINUS; DRS JB LUMENTA SH LLM; JANSEN CM

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

48) Family number: 59878939 (US2015201790A)

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Title: BEVERAGE CARTRIDGE HOLDER WITH MOVABLE OUTLET

Abstract: A method and apparatus for controlling operation of a beverage forming machine arranged for use with cartridges of different types, or receiving an upwardly flowing beverage from a cartridge. A beverage outlet may be movable to receive beverage from a cartridge of a first type, and to not receive beverage from a cartridge of a second type. Different cartridge characteristics may be detected by multiple detectors, e.g., for detecting a presence/absence of a cartridge, a cartridge type and/or an authorization feature.

Classifications:

International (IPC 8-9): A23F3/18 A23F5/26 A47J A47J31/00

A47J31/06 A47J31/36 A47J31/40 A47J31/44 A47J31/46

B65D85/804 (Advanced/Invention)

CPC: A47J31/407 A23F5/262 A23F3/18 A47J31/4492 A47J31/46

B65D85/8043 A47J31/0673 A47J31/3628 A47J31/3695 A47J31/00

A47J31/44 A47J31/4403

US: 1/1 426/232 426/431 99/295

JP F-Term: 4B104 4B104/AA20 4B104/AA23 4B104/BA15

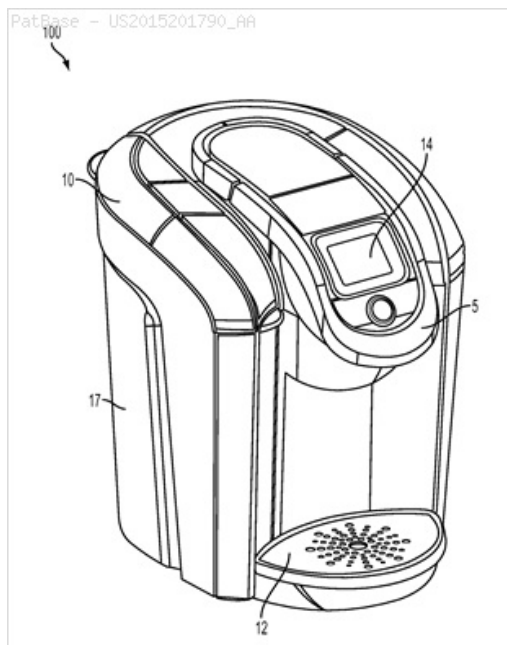
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4B104/CA10 4B104/CA13 4B104/CA15 4B104/CA27 4B104/DA57

4B104/EA21

JP F-Index: A47J31/06/210 A47J31/36/120 A47J31/40/107

A47J31/44/180



Family:

Publication number	Publication date	Application number	Application date
AU2015206492 AA	20160804	AU20150206492	20150115
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CA2935180 AA	20160623	CA20152935180	20150115
CN105916414 A	20160831	CN201580004750	20150115
DE602015012993 D1	20180802	DE201560012993T	20150115
EP3094219 A1	20161123	EP20150702067	20150115
EP3094219 B1	20180704	EP20150702067	20150115
HK1228227 A1	20171103	HK20170102121	20170227
JP2017508571 T2	20170330	JP20160565105T	20150115
KR20160110437 A	20160921	KR20167021957	20150115
US2015201790 AA	20150723	US20140157889	20140117
US2017027374 AA	20170202	US20160293110	20161013
US2018140129 AA	20180524	US20180863063	20180105
US9474406 BB	20161025	US20140157889	20140117
US9918586 BB	20180320	US20160293110	20161013
WO15109052 A1	20150723	WO2015US11526	20150115

Priority:US20140157889 20140117
US20160293110 20161013EP20150702067 20150115
US20180863063 20180105

WO2015US11526 20150115

Probable Assignee: GREEN MOUNTAIN COFFEE ROASTERS INC**Assignee(s):** (std): KEURIG GREEN MOUNTAIN INC ; KEURIG INC**Assignee(s):** KEURIG GREEN MOUNTAIN INC WATERBURY ; RABINO YOAV ; TINKLER IAN ; SHEPARD JAMES E ; SMITH GEOFFREY Y ; BRODIE JONATHAN ALEXANDER ; FOSTER STUART JAY ; GREEN MOUNTAIN COFFEE ROASTERS INC ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS**Inventor(s):** (std): FOSTER STUART JAY ; BRODIE JONATHAN ALEXANDER ; RABINO YOAV ; SHEPARD JAMES E ; SMITH GEOFFREY Y ; TINKLER IAN**Inventor(s):** TINKLER IAN BURLINGTON ; YOAV RABINO ; SMITH GEOFFREY Y BURLINGTON ; STUART JAY FOSTER ; SHEPARD JAMES E BURLINGTON ; RABINO YOAV BURLINGTON ; BRODIE JONATHAN ALEXANDER BURLINGTON ; FOSTER STUART JAY BURLINGTON ; GEOFFREY Y SMITH ; IAN TINKLER ; JAMES E SHEPARD ; JONATHAN ALEXANDER BRODIE**Agent(s):** PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR; HGF LTD; SHANGHAI INTELLECTUAL PROPERTY OFFICE; YKI PATENT ATTORNEYS; YKI INTELLECTUAL PROPERTY ATTORNEYS; WOLF GREENFIELD AND SACKS PC; HUNT ROBERT E**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**49) Family number: 43365942 (US2010251900A)**

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

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 from 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.

Classifications:

International (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 (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: A47J31/44 A47J31/44A A47J31/44A2E2P A47J31/44D K47J201/00

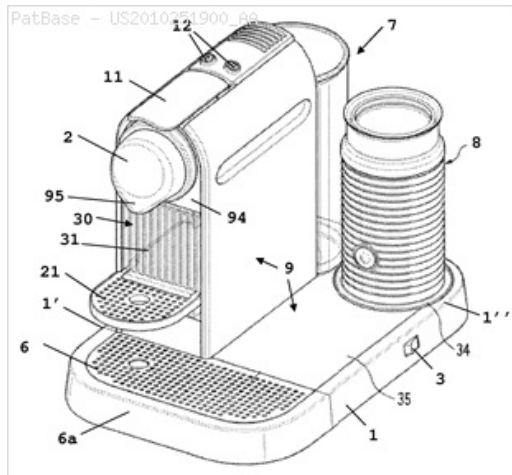
US: 1/1 219/443.1 219/443.100S 220/908 220/908.3 222/129.1 222/129.100S 29/428 29/428S 99/279 99/280 99/280P 99/289R 99/290 99/290P 99/295 99/300 99/300P 99/323.1 99/323.100P 993/231

JP F-Term: 4B004 4B104 4B104/AA19 4B104/AA20 4B104/AA23 4B104/AA27 4B104/BA15 4B104/BA17 4B104/BA20 4B104/BA21 4B104/BA23 4B104/BA35 4B104/BA68 4B104/BA73 4B104/BA81 4B104/CA07 4B104/CA21 4B104/DA02 4B104/DA18 4B104/DA29 4B104/DA33 4B104/DA50 4B104/DA56 4B104/EA19 4B104/EA21 4B104/AA11 4B104/BA43 4B104/BA66 4B104/BA77 4B104/BA89 4B104/CA20 4B104/EA01 4B104/EA29 4B104/AA30 4B104/BA18 3E082 3E082/BB01 3E082/CC01 3E082/FF03 3E082/FF09 4B104/AA12 4B104/BA53 4B104/BA70 4B104/BA72 4B104/EA28 4B104/EA39 4B104/BA02 4B104/BA16

JP F-Index: A47J31/00/Z A47J31/36/120 A47J31/44/Z A47J31/44/100 A47J31/54 A47J31/00/305 A47J31/40/107 A47J31/44/B A47J31/44/125 A47J31/46 A47J31/44/146 A47J31/44/410 A47J31/10 A47J31/44/151 B67D1/16 A47J31/36/126 A47J31/34

Family:

Publication number	Publication date	Application number	Application date
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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

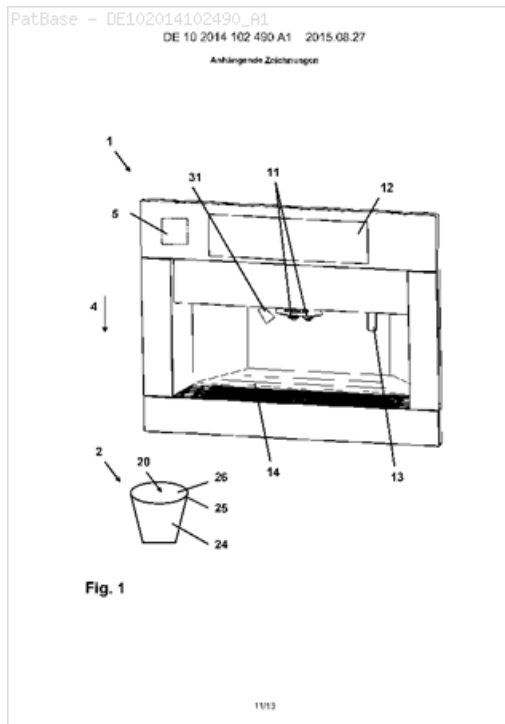
Title: HEISSGETRAENKEAUTOMAT MIT OBJEKTERKENNUNGSMITTEL HEISSGETRAENKEAUTOMAT with object recognition means (Machine translation)

Abstract: Source: DE102014102490A1 [DE] Die vorliegende Erfindung betrifft eine Anordnung mit einem Heissgetraenkeautomaten und einem Aufnahmebehälter fuer das Heissgetraenk, wobei der Heissgetraenkeautomat einen Getraenkeauslass zum Auslassen des Heissgetraenkes in den unterhalb des Getraenkeauslasses angeordneten Aufnahmebehälter aufweist, und wobei er ein Objekterkennungsmittel aufweist, sowie eine Geraetesteuerung, die dazu ausgelegt ist, das Heissgetraenk in Abhaengigkeit von dem erfassten Objekt herzustellen, und wobei das Objekterkennungsmittel zur Erfassung der Form des am Heissgetraenkeautomaten angeordneten Aufnahmebehälters vorgesehen ist. Die vorliegende Erfindung betrifft zudem den Heissgetraenkeautomaten der Anordnung, sowie ein Verfahren zum Herstellen eines Heissgetraenkes mit der Anordnung. **Machine translation:** The present invention relates to an arrangement with a Heissgetraenkeautomaten and a Aufnahmebehälter for the Heissgetraenk, wherein the Heissgetraenkeautomat having a beverage outlet for discharging the Heissgetraenkes in the arranged below the beverage outlet Aufnahmebehälter, and wherein it comprises an object recognition means, as well as a device controller that this is designed to produce the Heissgetraenk in dependence on the detected object, and wherein said object detection means is provided for detecting the shape of which is arranged on Heissgetraenkeautomaten Aufnahmebehälters. The present invention also relates to the Heissgetraenkeautomaten of the arrangement, and a method for producing a Heissgetraenkes with the assembly.

Classifications:

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

CPC: A47J31/44



Family:

Publication number	Publication date	Application number	Application date
DE102014102490 A1	20150827	DE201410102490	20140226

Priority:

DE201410102490 20140226

Probable Assignee: MIELE AND CIE

Assignee(s): (std): MIELE AND CIE

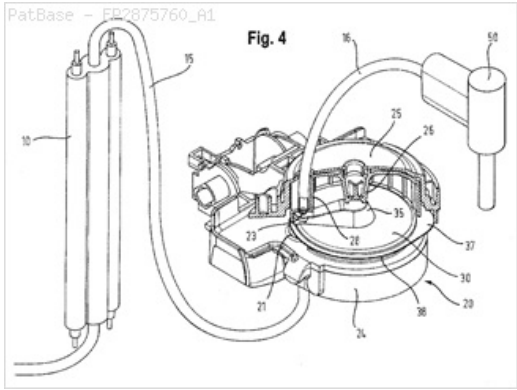
Assignee(s): MIELE AND CIE KG

Inventor(s): (std): HASENPUSCH CHRISTOPH ; POHLMANN VERENA ; STAHL MATTHIAS

Title: CAPSULE MACHINE WITH STEAM NOZZLE AND CAPSULE FOR SAME MACHINE A CAPSULES EQUIPEE D'UNE BUSE A VAPEUR ET

Abstract: Source: EP2875760A1 [DE] Eine Kapselmaschine als Heissgetraenkezubereitungseinrichtung fuer Haushaltszwecke, mit einer Heizeinrichtung (10), einer benutzerseitig zu oeffnenden Bruehkammer (20), in die zur Getraenkezubereitung Kapseln einsetzbar sind, mit einer Fluideleitung (15) von der Heizeinrichtung (10) zur Bruehkammer (20), mit einem Fluideinlass (21) in die Bruehkammer (20) am bruehkammerseitigen Ende der Fluideleitung (15), mit einem Getraenkeauslass (22) stromab der Bruehkammer (20) und mit einer Dampfduese (50), wird durch einen Dampfauslass (23) in der Bruehkammer (20) weitergebildet, der durch Einsetzen einer geeigneten Dampfkapsel (30) in die Bruehkammer (20) mit dem Fluideinlass (21) verbindbar ist, und durch Aktivierungsmittel (27) zum Einschalten der Dampferzeugung der Heizeinrichtung (10), die mittels der Dampfkapsel (30) schaltbar sind. **Machine translation:** One capsule machine as Heissgetraenkezubereitungseinrichtung household purposes, with a heating device (10), a user-to-open brewing chamber (20), capsules can be loaded to Getraenkezubereitung into, with a fluid line (15) of the heater (10) to the brewing chamber (20), having a fluid inlet (21) into the brewing chamber (20) at bruehkammerseitigen end of the fluid line (15), with a beverage outlet (22) downstream of the brewing chamber (20) and with a steam nozzle (50) is a steam outlet (23) in the brewing chamber (20) is further formed, which can be connected by inserting a suitable vapor capsule (30) into the brewing chamber (20) with the fluid inlet (21), and activation means (27) for activating the steam production of the heating device (10) which by means of the steam capsule (30) are switchable.

Classifications:
International (IPC 8-9): A47J31/40 A47J31/44 (Advanced/Invention)
CPC: A47J31/44



Family:

Publication number	Publication date	Application number	Application date
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EP2875760 A1	20150527	EP20140190801	20141029
EP2875760 B1	20181212	EP20140190801	20141029

Priority:

DE201310224099 20131126 EP20140190801 20141029

Probable Assignee: BSH HAUSGERAETE GMBH

Assignee(s): (std): BSH HAUSGERAETE GMBH

Inventor(s): (std): DABURGER JOSEF ; HOEGLAUER MICHAEL ; STEFFL MICHAEL

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PL PT RO RS SE SI SK SM TR