Sample report
Patent Update on coffee makers, Q1 2009

Author	Peer Froehling, HollandPatentSearch
Subject	New patent applications related to coffee makers which were published in the first quarter of 2009
Summary	In the first quarter of 2009 13 new patent applications were published on coffee makers (IPC class A47J31/24). The report gives bibliographic data, first claim, inventors' abstract, hyperlinks to family members and one picture.

Contents

HollandPatentSearch, Halderstraat 5, 6136BH Sittard, the Netherlands
www.hollandpatentsearch.com
Handelsregister nr. 14109006

1. Introduction

This bulletin contains front-page information of all new patents on coffee makers published between 1 December 2008 till 12 February 2009. The patent search resulted in 15 documents.

The Publication Numbers are hyperlinked to the patent record in Espacenet or the USPTO database for e.g. full-text, family and legal status information and to obtain the original documents.

The search for the patents was performed in the Derwent World Patent Index, using the International Patent Classification A47J31/24 (“Coffee-making apparaturs with hot water under pressure”), and limiting the publication dates to the dates mentioned above.

This is a sample report, only intended for demonstration purposes. No conclusions should be drawn on the contents of the report.

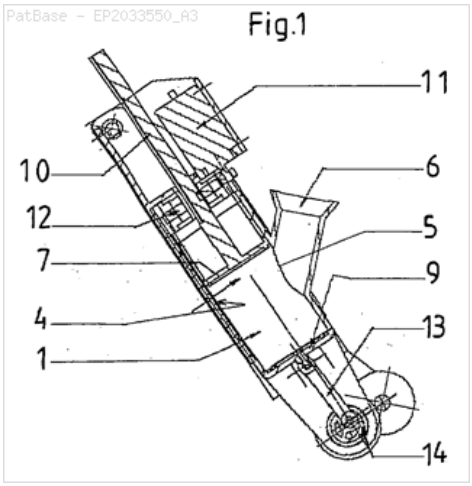
2. Results

1) Family number: 42775603 (EP2033550A)

Title: (EP2033550A) [EN] Brewing element for a coffee machine [DE] Bruehgruppe fuer eine Kaffeemaschine [FR] Unite d'infusion pour une machine a cafe

Abstract: (EP2033550A)
[EN]

The unit has a brewing chamber (1) formed by an unmovable cylinder (4) with a filling opening (5). A plunger (7) is provided at the end as a part to compress coffee grounds. A locking plate (9) with actuators is provided at another end of the cylinder. The plunger is moved into an ejection position in direction of the latter end when the plate is movable into an unblocked position. The plunger and the plate are reversely movable into an outlet position after ejection of remaining grounds. A connection for hot water supply and a filtrate outlet are provided at the plunger and at the plate.



First claim (EP2033550A):

1. Bruehgruppe fuer eine Kaffeemaschine, insbesondere zur Zubereitung von Espresso, mit einer Bruehkammer (1) zur Aufnahme von gemahlenem Kaffeemehl (2) sowie mit Teilen fuer die Verdichtung des in der Bruehkammer (1) befindlichen Kaffeemehls (2), zum Auswerfen des feuchten Kaffeemehlrestes (3) aus der Bruehkammer (1), wobei des Weiteren Anschluesse fuer die Zufuhr von Heisswasser und fuer den Ablauf des Filtrates vorgesehen sind, dadurch gekennzeichnet, dass die Bruehkammer (1) durch einen stationaeren unbeweglich angeordneten Zylinder (4) gebildet ist, der seitlich nahe seines ersten Endes eine Befuelloeffnung (5) fuer Kaffeemehl aufweist, dass als Teil fuer die Verdichtung des in die Bruehkammer (1) eingefuellten Kaffeemehls am ersten Ende des Zylinders (4) ein mittels eines ersten Stellantriebes axial verstellbarer Kolben (7) vorgesehen ist, der in der Befuellstellung die Befuelloeffnung (5) freilaesst und in der Bruehstellung mit seinem Mantel die Befuelloeffnung (5) mindestens teilweise verschliesst, dass am zweiten Ende des Zylinders (4) eine Verschlussplatte (9) mit zweitem Stellantrieb vorgesehen ist, die in der Befuellstellung und in der Bruehstellung das zweite Ende des Zylinders (4) verschliesst und in der Auswurfstellung das zweite Ende des Zylinders (4) freigibt, wobei der Kolben (7) in der Auswurfstellung bei in Freigabelage verstellter Verschlussplatte (9) mittels des ersten Stellantriebes in eine Auswurfstellung in Richtung zum zweiten Ende des Zylinders (4) verstellbar ist, wobei der Kolben (7) und die Verschlussplatte (9) nach dem Auswerfen des feuchten Kaffeemehlrestes (3) in die Ausgangsstellung zurueck verstellbar sind, und wobei die Anschluesse fuer Heisswasserzufuhr und Filtratablauf am Kolben (7) und an der Verschlussplatte (9) vorgesehen sind.

Family:

Publication number	Publication date	Application number	Application date
DE102007042379 B3	20090102	DE200710042379	20070906
EP2033550 A2	20090311	EP20080012076	20080704
EP2033550 A3	20091230	EP20080012076	20080704

Priority: DE200710042379 20070906

Assignee(s): (std)**:** SEVERIN ELEKTROGERAETE GMBH

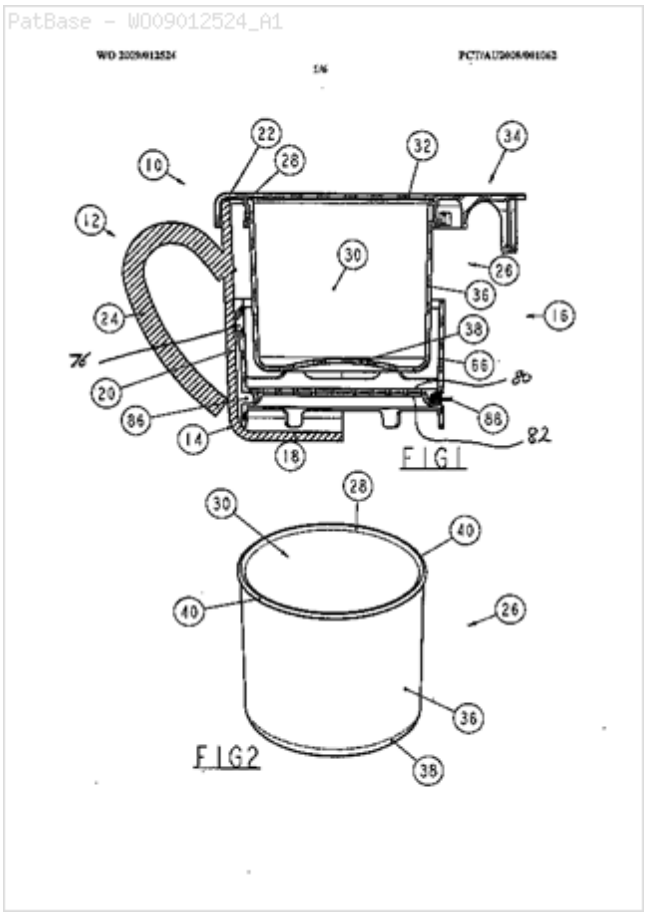
Inventor(s): (std)**:** KROESEN KLAUS

2) Family number: 42872553 (WO09012524A)

Title: (WO09012524A) [EN] A CONTAINER [FR] CONTENANT

Abstract: (WO09012524A)
[EN]

A container (10) comprises a receptacle (26) having an opening (28) and defining a space (30) for containing a substance such as coffee grounds. The container (10) further comprises a lid (32) and a coupling system (34). The lid (32) is releasably attachable to the receptacle (26) for closing the opening (28). The coupling system (34) is supported by the lid (32) and couples the container (10) to a vessel (14) so that the receptacle (26) is carried by the vessel (14). The container (10) may be carried either inside of the vessel (14) or outside of the vessel (14). The combination of the vessel (14) and container (10) forms a drinking system (12) which also includes a plunger (16) contained within the vessel (14) to facilitate brewing of a drink using a substance held within the receptacle (26).



First claim (WO09012524A):

1. A container comprising: a receptacle having an opening and defining a space for containing a volume of a substance; a lid releasably attachable to said receptacle to close said opening; and, a coupling system to couple said container to a vessel in a manner so that said receptacle is carried by the vessel.

Family:

Publication number	Publication date	Application number	Application date
AU2007203483 AA	20090212	AU20070203483	20070726
WO09012524 A1	20090129	WO2008AU01062	20080723

Priority: AU20070203483 20070726

Assignee(s): (std): O LOUGHLIN NICK

Assignee(s): NICK O LOUGHLIN

Inventor(s): (std): O LOUGHLIN NICK

Inventor(s): NICK O LOUGHLIN

3) Family number: 42857494 (US2010186598A)

Title: (US2010186598A) [EN] COFFEE MACHINE INFUSION GROUP

Abstract: (US2010186598A)
[EN]

The coffee machine infusion group comprises a closure piston and an infusion cylinder subjectable to a reversible movement between a position of engagement with the closure piston for the creation of an infusion chamber and a position of disengagement from the closure piston for the loading of a coffee powder load, the infusion group having an expulsion system of the spent coffee powder load from the infusion cylinder, the expulsion system comprising an expulsion piston displaceably housed in the infusion cylinder, the expulsion system further comprising a speed multiplier mechanism operatively connecting the infusion cylinder and the expulsion piston for their relative displacement between a receiving position of the coffee powder load into the infusion cylinder and an expelling position of the coffee powder load from the infusion cylinder.

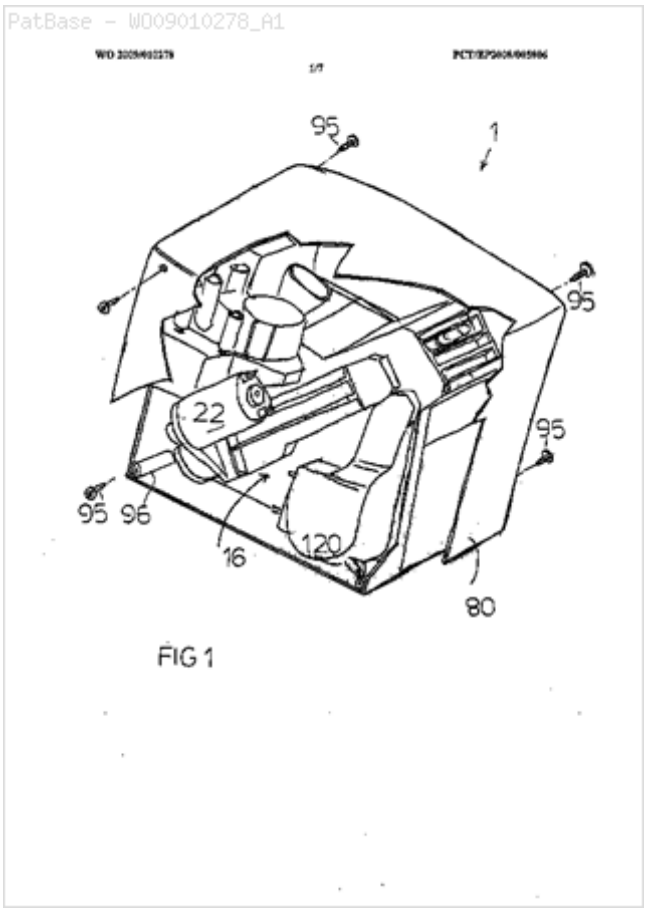


FIG 1

First claim (US2010186598A):

1. Coffee machine infusion group comprising a closure piston and an infusion cylinder subjectable to a reversible movement between a position of engagement with said closure piston for the creation of an infusion chamber and a position of disengagement from said closure piston for the loading of a coffee powder load, said infusion group having an expulsion system of the spent coffee powder load from said infusion cylinder, said expulsion system having an expulsion piston displaceably housed in said infusion cylinder and a speed multiplier mechanism operatively connecting said infusion cylinder and said expulsion piston for their relative displacement between a receiving position of said coffee powder load into said infusion cylinder and an expelling position of said coffee powder load from said infusion cylinder.

Family:

Publication number	Publication date	Application number	Application date
AT539661 E	20120115	AT20080784810T	20080716
AU2008277893 AA	20090122	AU20080277893	20080716
AU2008277895 AA	20090122	AU20080277895	20080716
CN101772315 A	20100707	CN200880100109	20080716
CN101877981 A	20101103	CN200880104069	20080716
EP2170130 A1	20100407	EP20080784801	20080716
EP2170131 A1	20100407	EP20080784802	20080716
EP2170132 A1	20100407	EP20080784810	20080716
EP2170132 B1	20120104	EP20080784810	20080716

ITMI20071441 A1	20090119	IT2007MI01441	20070718
JP2010533521 T2	20101028	JP20100516417T	20080716
RU2010105683 A	20110827	RU20100105683	20080716
US2010186598 AA	20100729	US20080669743	20080716
US2010192781 AA	20100805	US20080669696	20080716
WO09010275 A1	20090122	WO2008EP05793	20080716
WO09010276 A1	20090122	WO2008EP05794	20080716
WO09010278 A1	20090122	WO2008EP05806	20080716

Priority: IT2007MI01441 20070718 WO2008EP05794 20080716 WO2008EP05806 20080716 WO2008EP05793 20080716

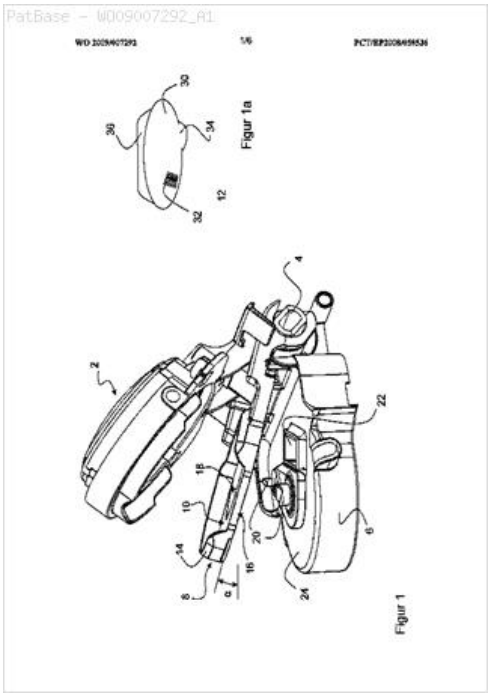
Assignee(s): (std)**:** LONGHI SPA DE ; LONGHI APPLIANCES S R L DE ; DE LONGHI GUISEPPE ; DE LONGHI GIUSEPPE

Assignee(s): DE'LONGHI SPA ; DE LONGHI APPLIANCES S R L ; DE LONGHI SPA ; DE LONGHI S P A

Inventor(s): (std)**:** LONGHI GIUSEPPE DE ; GIUSEPPE DE LONGHI ; DE LONGHI GUISEPPE ; DE LONGHI GIUSEPPE

4) Family number: 42791328 (WO09007292A)

Title: (EP2168073A) [EN] METHOD FOR READING BARCODES IN A DRINKS MACHINE, AND APPARATUS THEREFOR [DE] ABLESEVERFAHREN FUER STRICHCODES IN EINER GETRAENKEMASCHINE UND VORRICHTUNG DAFUER [FR] PROCEDE DE LECTURE DE CODES A BARRES DANS UN DISTRIBUTEUR DE BOISSONS ET DISPOSITIF ASSOCIE



Abstract: (WO09007292A)
[EN]

The invention relates to a method of a reading device in a drinks preparation apparatus for recording an image of a one-dimensional or multidimensional pattern (32) on a drinks or service disc (12) which is inserted into an open brewing chamber of the apparatus and, before the start of the preparation or service operation, is changed from a loading position to a closure position via intermediate positions in a closing operation of the brewing chamber. It is developed by virtue of the fact that the reading apparatus is activated before the brewing chamber is closed, with the result that at least one image (54) of the pattern (32) is recorded before the closure position is reached. The invention also relates to a reading device for carrying out the method.

First claim (EP2168073B):

1. Method for recording an image of a one- or multi-dimensional pattern (32) on a drinks or service disc (12) which is used in an open brewing chamber of an apparatus for preparing beverages with a reading device and which is brought from a loading position, via intermediate positions, into a sealed position before the start of the preparation or service procedure in a procedure for closing the brewing chamber, **characterized in that** the reading device is activated before the brewing chamber is sealed, with the result that at least one image (54) of the pattern (32) is recorded before the sealed position is reached.

Family:

Publication number	Publication date	Application number	Application date
AT535881 E	20111215	AT20080761412T	20080702
DE102007032287 A1	20090115	DE200710032287	20070711
EP2168073 A1	20100331	EP20080761412	20080702
EP2168073 B1	20111130	EP20080761412	20080702
WO09007292 A1	20090115	WO2008EP58536	20080702

Priority: DE200710032287 20070711 WO2008EP58536 20080702

Assignee(s): (std): KRAFT FOODS R AND D INC ; STRAUB STEPHAN ; GIUS JOSEF ; BEUTLROCK MAXIMILIAN ; BSH BOSCH SIEMENS HAUSGERAETE

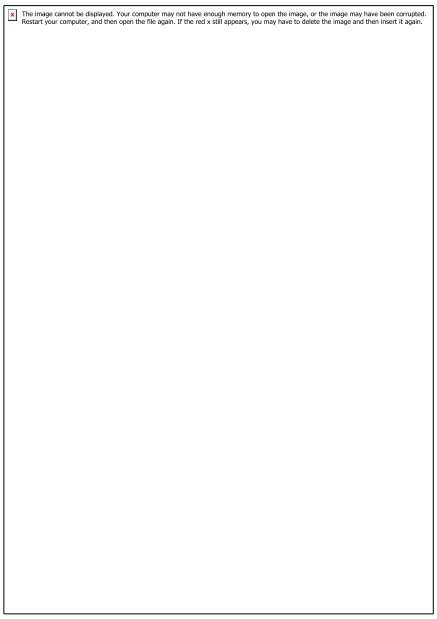
Assignee(s): BSH BOSCH U SIEMENS HAUSGERAETE GMBH ; BSH BOSCH UND SIEMENS HAUSGERAETE GMBH

Inventor(s): (std): STRAUB STEPHAN ; GIUS JOSEF ; BEUTLROCK MAXIMILIAN

5) Family number: 42776623 (US2009007792A)

Title: (US2009007792A) [EN] HOT BEVERAGE BREWING APPARATUS

Abstract: (US2009007792A)
[EN]



A hot beverage brewing apparatus. A pressurized hot liquid delivery system provides liquid under pressure within a range of acceptable brewing temperatures without any mechanical pump. Water is apportioned into sealable tank volumes, one of which is heated to boil the liquid and produce steam under pressure. The pressurized steam displaces the liquid from the tank volumes in proportion and at a temperature that is within the acceptable brewing range. The hot liquid under pressure is directed to a capsule receiving station to infuse a material in a capsule. The capsule dispenses the brewed beverage without contacting the brewing apparatus.

First claim (US2009007792A):

1. A system that delivers pressurized hot liquid at an acceptable temperature to a utilization device comprising:A) first and second tanks that define first and second tank volumes in hydraulic communication above the liquid level in said tank volumes,B) a sealable inlet through which liquid is admitted to said first and second tanks,C) a liquid mixer that connects to the utilization device,D) a port network interconnecting said first and second tanks and said liquid mixer,E) a heater in said first tank to boil the liquid therein when said liquid inlet is sealed whereby steam is generated under pressure above the liquid level in said tank volumes thereby to discharge liquid from said first and second tanks through said liquid mixer at the acceptable temperature and under pressure.

Family:

Publication number	Publication date	Application number	Application date
US2009007792 AA	20090108	US20070772416	20070702
Publication number	**Publication date**	**Application number**	**Application date**
US2009007793 AA	20090108	US20070772388	20070702
Publication number	**Publication date**	**Application number**	**Application date**
CA2701826 AA	20090108	CA20082701826	20080630
CA2701888 AA	20090108	CA20082701888	20080630
Publication number	**Publication date**	**Application number**	**Application date**
CN101801248 A	20100811	CN200880105176	20080630
CN101808554 A	20100818	CN200880105012	20080630
Publication number	**Publication date**	**Application number**	**Application date**
EP2166903 A2	20100331	EP20080781158	20080630

EP2166903 A4	20110608	EP20080781158	20080630
EP2166904 A2	20100331	EP20080781165	20080630
EP2166904 A4	20110330	EP20080781165	20080630
WO09006374 A2	20090108	WO2008US68723	20080630
WO09006374 A3	20090226	WO2008US68723	20080630
WO09006379 A2	20090108	WO2008US68735	20080630
WO09006379 A3	20090226	WO2008US68735	20080630

Priority: US20070772416 20070702 US20070772388 20070702 WO2008US68723 20080630 WO2008US68735 20080630

Assignee(s): (std)**:** BEVCEPTS INC ; APPLIANCE DEV CORP

Assignee(s): APPLIANCE DEVELOPMENT CORPORATION ; BREW1TECHNOLOGIES INC ; APPLIANCE DEVELOPMENT CORP

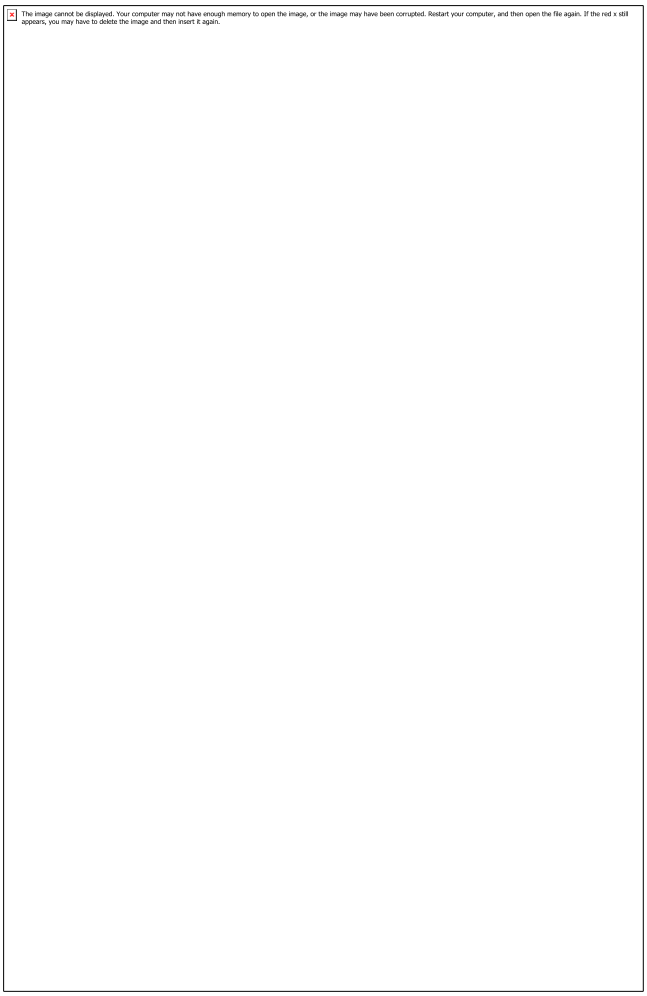
Inventor(s): (std)**:** NORMAND BELANGER DAVID ; BELANGER DAVID NORMAND ; NICKERSON LAURA J ; MCGONAGLE GARY P ; MCGONACLE GARY P ; GLUCKSMAN DOV Z

6) Family number: 42675892 (WO08152484A)

Title: (WO08152484A) [EN] PERFECTIONED OPERATING GROUP FOR ESPRESSO MACHINES [FR] GROUPE FONCTIONNEL PERFECTIONNE POUR MACHINES A CAFE EXPRESS

Abstract: (WO08152484A)
[EN]

An improved boiler group is designed for use in machines for the preparation of espresso coffee that use pre-packed disposable quantities in the form of a capsule 1 or a pod 1a. The group 100, 200 includes: a heating element 10, 20 with high thermal capacity; a pressurized water supply channel 12, 22 for the preparation of said coffee, situated inside said heating element 10, 20 and opening outside in a position corresponding to an infusion area 15,25; means 30, 60 for locking said capsule 1 or pod 1 a, situated in a position corresponding to said infusion area 15, 25 and allowing the water to pass from said supply channel 12, 22 outlet towards said capsule 1 or pod 1 a, and also to convey the coffee going out from the latter towards an outlet channel 13, 23 and then towards a nozzle group. In the boiler group 100,200 the locking means 30, 60 are made move at least partially between a rest position A, A1, for allowing introduction of a capsule 1 or a pod 1 a, and an operative position B, B1, for enclosing hermetically and locking said capsule 1 or pod 1 a. The above mentioned movement is obtained by the action of the pressurized water used to make the coffee.



First claim (WO08152484A):

1. Improved boiler group for machines for the preparation of espresso coffee that use pre-packed disposable quantities in the form of a capsule (1) or a pod (1a), said group (100,200) including: a heating element (10,20) with high thermal capacity, having heat generating means (11,22), the heating element bringing the temperature of said heating element (10,20) to a prefixed operation value; at least one pressurized water supply channel (12,22) for the preparation of said coffee, situated inside said heating element (10,20) and opening outside in a position corresponding to an infusion area (15,25); means (30,60) for locking said capsule (1) or pod (1a), situated in a position corresponding to said infusion area (15,25) and allowing the water to pass from said supply channel (12,22) outlet towards said capsule (1) or pod (1a), and also to convey the coffee going out from the latter towards an outlet channel (13,23) and then towards a nozzle group; said boiler group (100,200) being characterized in that said locking means (30,60) are made move at least partially between a rest position (A_1AI), for allowing introduction of a capsule (1) or a pod (1a), and an operative position (B, B1), for enclosing hermetically and locking said capsule (1) or pod (1a), said movement being obtained by the action of the pressurized water.

Family:

Publication number	Publication date	Application number	Application date
ITBO20070420 A1	20081216	IT2007BO00420	20070615
WO08152484 A2	20081218	WO2008IB01514	20080612
WO08152484 A3	20090813	WO2008IB01514	20080612

Priority: IT2007BO00420 20070615

Assignee(s): (std)**:** B F GAGGIO S R L ; BONANNO FRANCESCO ; B F GAGGIO DI BONANNO FRANCESC

Assignee(s): B F GAGGIO DI BONANNO FRANCESCO

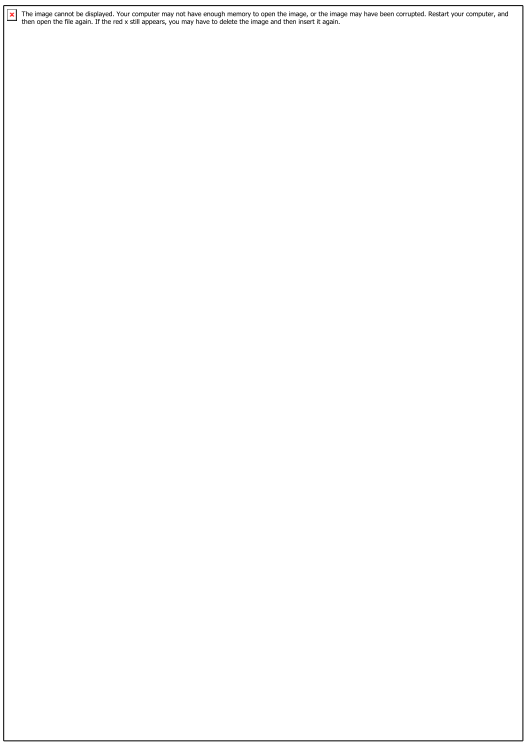
Inventor(s): (std)**:** BONANNO FRANCESCO

7) Family number: 42647167 (US2008302252A)

Title: (US2008302252A) [EN] Portable Brewing Device and Method of Making and Operating

Abstract: (US2008302252A)
[EN]

A portable brewing device is provided for brewing a hot beverage such as espresso that includes a compressed gas container communicating with a pressure regulator that is configured to control the pressure of gas released from the compressed gas container. A release switch is configured to communicate with pressure regulator and configured to release pressure controlled gas when actuated by a user. A water vessel is configured to receive the pressure controlled gas when the switch is actuated by a user. A mixing vessel can hold a brew substance and is configured to communicate with the water vessel and also configured to receive water from the water vessel to pass through the brew substance when pressure is released from the gas container through the pressure regulator. An outlet is configured to release a brewed product produced from water flowing through the brew substance contained in the mixing vessel when brewing.



First claim (US2008302252A):

1. A portable espresso brewing device, comprising:a compressed gas container;a pressure regulator coupled to the compressed gas container and configured to control the pressure of gas released from the compressed gas container;a valve communicating with the pressure regulator that controls the flow of compressed gas into the water vessel.a water vessel communicating with the pressure regulator;a grounds vessel communicating with the water vessel and configured to receive water from the water vessel to brew espresso when pressure is released from the gas container through the pressure regulator; andan outlet configured to release espresso produced from water flowing through grounds contained in the grounds vessel when brewing.

Family:

Publication number	Publication date	Application number	Application date
US2008302252 AA	20081211	US20080137533	20080611

Publication number	Publication date	Application number	Application date
AU2008266164 AA	20081224	AU20080266164	20080611
CA2688484 AA	20081224	CA20082688484	20080611
CN101742918 A	20100616	CN200880019702	20080611
EP2164338 A1	20100324	EP20080770757	20080611
IN07991DN2009 A	20100709	IN2009DN07991	20091207
JP2010528823 T2	20100826	JP20100512332T	20080611
KR20100046142 A	20100506	KR20107000593	20100111
MX2009013680 A1	20100831	MX20090013680	20091211

RU2010100139 A	20110720	RU20100100139	20080611
WO08157189 A1	20081224	WO2008US66616	20080611

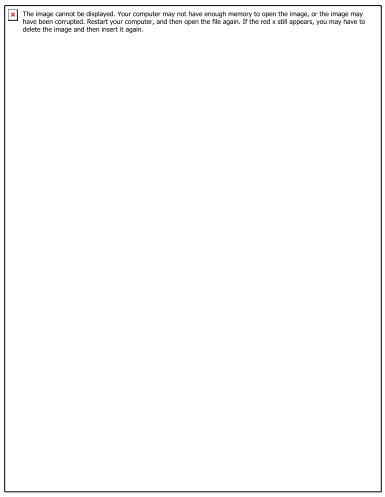
Priority:	US20070934294P	20070611	US20080137533	20080611	WO2008US66616	20080611	
Assignee(s): (std)**:**	ISH SHALOM CARMEL ; O BRIEN STEPHEN JAMES ; STEVENS DAVID R ; ESPRESSI INC ; ESPRESSI CORP						
Assignee(s):	ESPRESSI CORPORATION						
Inventor(s): (std)**:**	O BRIEN STEPHEN JAMES ; JAMES O BRIEN STEPHEN ; ISH SHALOM CARMEL ; STEVENS DAVID R ; STEVENS DAVID RICHARD ; CARMEL ISH SHALOM						
Inventor(s):	STEPHEN JAMES O BRIEN ; DAVID R STEVENS						

8) Family number: 42647207 (US2008302248A)

Title: (US2008302248A) [EN] Structure of Hot Beverage Machine Using Steam Pressure to Seal Feeder

Abstract: (US2008302248A)
[EN]

A structure of a hot beverage machine using steam pressure is provided to seal a feeder for various drinks placed with raw materials, such as coffee powder, coffee bag, tea leaves, tea bags, etc., and utilized with a sealing element, which allows steam to come in. When the machine is used, the feeder is tightly sealed with the sealing element so as to make drinks with purer flavor. Alternatively, when the machine is not in use for brewing, the feeder is separated from the sealing element with a distance such that the hot beverage machine can have a variety of different functions.



First claim (US2008302248A):

1. A structure using steam pressure to seal a feeder of a hot beverage machine comprises a steam sealing device provided in a supporting base in a brewing area in front of a water container disposed in the back of said hot beverage machine, characterized in thata guiding member having sloping grooves on an outer surface and an inner rim for supporting said feeder is placed in said supporting base, said sloping grooves of said guiding member receive a plurality of protrusions on an inner surface of a shifting member, a stopping portion extending from one side of an inner edge of said shifting member has a concave opening, a shifter extending outwardly from said shifting member is protruded from and restricted by a groove of said supporting base when assembled, a top cover with a plurality of supporting portions extending downward is disposed on top of the shifting member and has a plurality of engaging portions protruded from the bottom matching with the top of a joining member disposed on a connecting member connecting with a steam tube so as to combined the top cover, the joining member and the connecting member together by screwing elements, a sealing element with high temperature resistance is tightly engaged with a bottom rim groove of the connecting member so as to clamp a steam filter net there between, and a steam tube passing through the connecting member contains a flexible contacting element with resist high temperature resistance and a positioning lever adjacent to the contacting element and connects with a boundary element with a through hole such that the positioning lever contained therein is movable;wherein beverage material is placed in said feeder when brewing a beverage, the guiding member is moved upward along with the feeder by moving the shifter of the shifting member to one side so as to form a tight seal between the feeder and the sealing element engaged at the bottom of the connecting member; andwherein the steam tube of the connecting member pushes the contacting element therein outward after the steam comes in, such that the adjacent positioning lever is protruded from the through hole of the boundary element, so as to correspondingly engage to the opening of the stopping portion of the shifting member and form a positional restriction to the movement of the shifting member.

Family:

Publication number	Publication date	Application number	Application date
US2008302248 AA	20081211	US20070758130	20070605

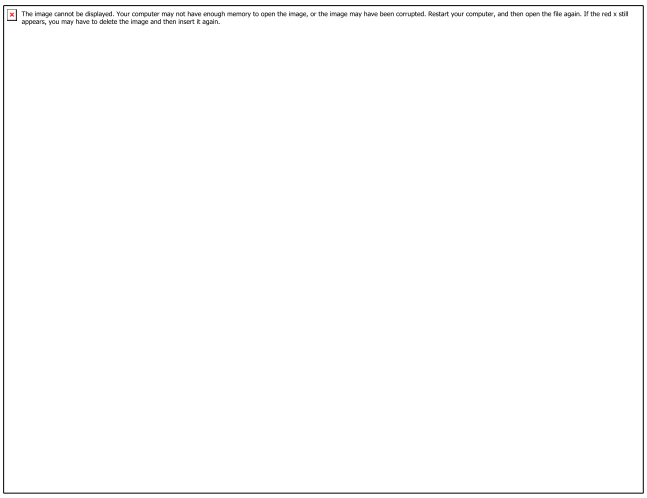
Priority: US20070758130 20070605
Assignee(s): (std): LIN YU YUAN
Assignee(s): UNI SPLENDOR CORP
Inventor(s): (std): LIN YU YUAN

9) Family number: 42647213 (US2008302249A)

Title: (US2008302249A) [EN] Locking Structure of Hot Beverage Machine With Steam Sealing Device

Abstract: (US2008302249A)
[EN]

A locking structure of a hot beverage machine with a steam sealing device is provided. The hot beverage machine has a feeder for various drinks placed with raw materials, such as coffee powder, coffee bag, tea leaves, tea bags, etc., and utilized with a sealing element, which allows steam to come in. When the machine is used, the feeder is tightly sealed with the sealing element so as to make drinks with purer flavor. Alternatively, when the machine is not in use for brewing, the feeder is separated from the sealing element with a distance such that the hot beverage machine can have a variety of different functions.



First claim (US2008302249A):

1. A locking structure of a hot beverage machine with a steam sealing device, wherein the steam sealing device provided in a front supporting base of said hot beverage machine comprising a first base, a second base, a feeder, and an assembly combined by a sealing element with a steam filter net, a connecting member, a guiding member, a joining member, a shifting member and a top cover;characterized in that said locking structure of said steam sealing device of said hot beverage machine has horizontal sections respectively formed at ends of slopping guiding grooves on an outer surface of said guiding member combined with said connecting member so as to receive the protrusion on an inner surface of said shifting member to cause the guiding member to move downward to make a tight seal with the feeder on the bottom, and thus the protrusion moving into the horizontal section drives an engaging portion on the bottom of the guiding member to enter a corresponding boundary hole of the second base and serve as the locking device of the steam sealing device before steam is generated.

Family:

Publication number	Publication date	Application number	Application date
US2008302249 AA	20081211	US20070758172	20070605
US7802514 BB	20100928	US20070758172	20070605

Priority: US20070758172 20070605

Assignee(s): (std)**:** UNI SPLENDOR CORP ; LIN YU YUAN

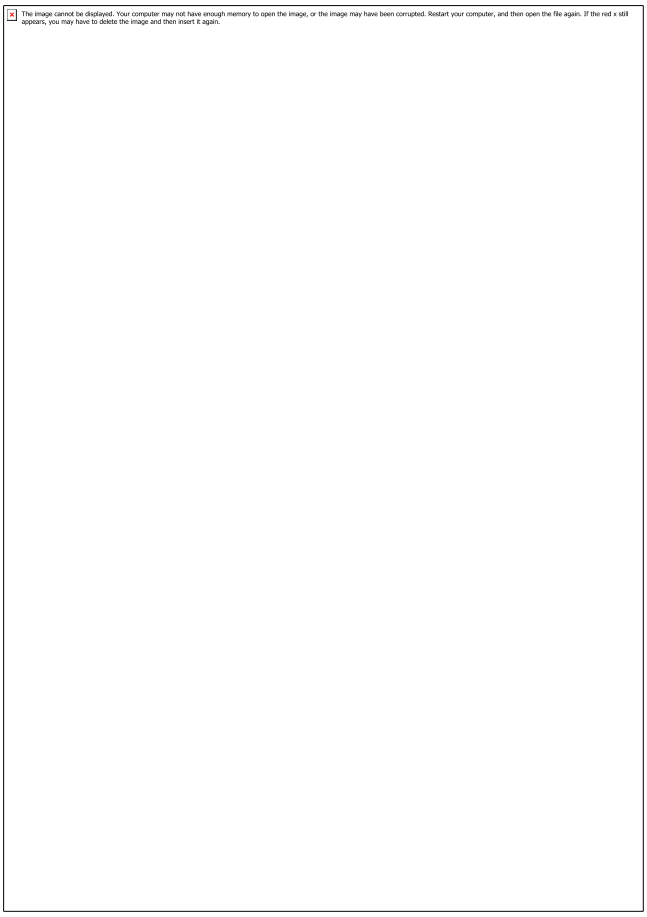
Inventor(s): (std)**:** LIN YU YUAN

10) Family number: 42619328 (US2010126355A)

Title: (US2010126355A) [EN] Apparatus, container and method for producing and consuming soluble drinks

Abstract: (US2010126355A)
[EN]

An apparatus for producing and consuming soluble drinks includes a dispensing device for dispensing a solvent liquid for dissolving doses of powdered soluble drinks; a container for the doses of soluble drinks to be dissolved, the container having connection means with the dispensing device and collection means for collecting a dissolved drink accessible from the outside, such to enable a user to consume the dissolved drink directly from the container.



First claim (US2010126355A):

1. Apparatus for producing and consuming soluble drinks comprising:a dispensing device configured to dispense a solvent liquid for dissolving a dose of a powdered soluble drink; anda container for said dose of the soluble drink to be dissolved, wherein said container comprises,connection means with said dispensing device, andcollection means for collecting the dissolved drink accessible from outside of said container, such to enable a user to consume said dissolved drink directly from said container.

Family:

Publication number	Publication date	Application number	Application date
AT539982 E	20120115	AT20080750971T	20080519
EP2183173 A1	20100512	EP20080750971	20080519
EP2183173 B1	20120104	EP20080750971	20080519
ITMO20070179 A1	20081126	IT2007MO00179	20070525
US2010126355 AA	20100527	US20080599684	20080519
WO08146115 A1	20081204	WO2008IB01233	20080519

Priority: IT2007MO00179 20070525 WO2008IB01233 20080519

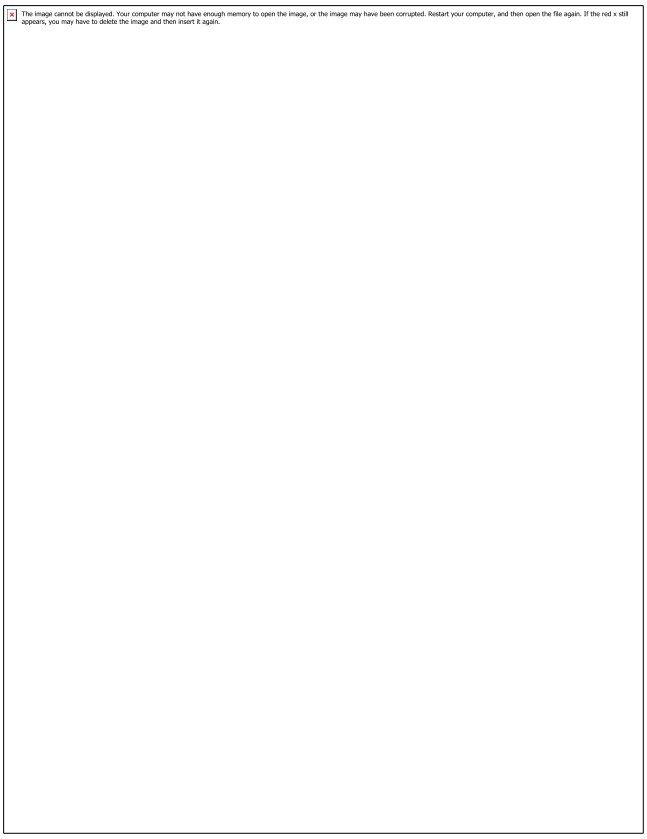
Assignee(s): (std)**:** PINESCHI MASSIMILIANO

Inventor(s): (std)**:** PINESCHI MASSIMILIANO

11) Family number: 42761196 (JP2008289527A)

Title: (JP2008289527A) [EN] BEVERAGE BREWER

Abstract: (JP2008289527A)
[EN]



PROBLEM TO BE SOLVED: To provide a beverage brewer allowing a user to fully enjoy the aroma of beverage powder.

SOLUTION: The beverage brewer includes a heating device 3 for heating and warming the beverage inside a container 2 with a hot-water outlet 15 in the bottom; an injection part opening device 14 for opening an injection part 6 of a beverage pack 8 in which the beverage powder is sealed and stored; a hot-water pressure-feeding device 17 disposed on the way of an extraction pathway 16, which communicates with the hot-water outlet 15 and the injection part opening device 14, for feeding hot-water inside the container 2; and an air pressure-feeding device 19 for pressure-feeding air inside the beverage pack 8 via an air path 18 branched from the middle of the extraction path 16 between the hot-water pressure-feeding device 17 and the injection part opening device 14. The beverage brewer has a diffusion step for driving the air pressure-feeding device 19 for a prescribed period of time after an extraction part 7 of the beverage pack 8 is opened. By diffusing the aromatic component of the dried beverage powder to the outside of the beverage pack 8 in this way, the user can actively enjoy the aroma of the beverage powder.

Family:

Publication number	Publication date	Application number	Application date
JP2008289527 A2	20081204	JP20070135146	20070522

Priority: JP20070135146 20070522
Assignee(s): (std): PANASONIC CORP
Assignee(s): PANASONIC CORPORATION ; MATSUSHITA ELECTRIC INDUSTRIAL CO LTD
Inventor(s): (std): OKABE YOSHIYUKI

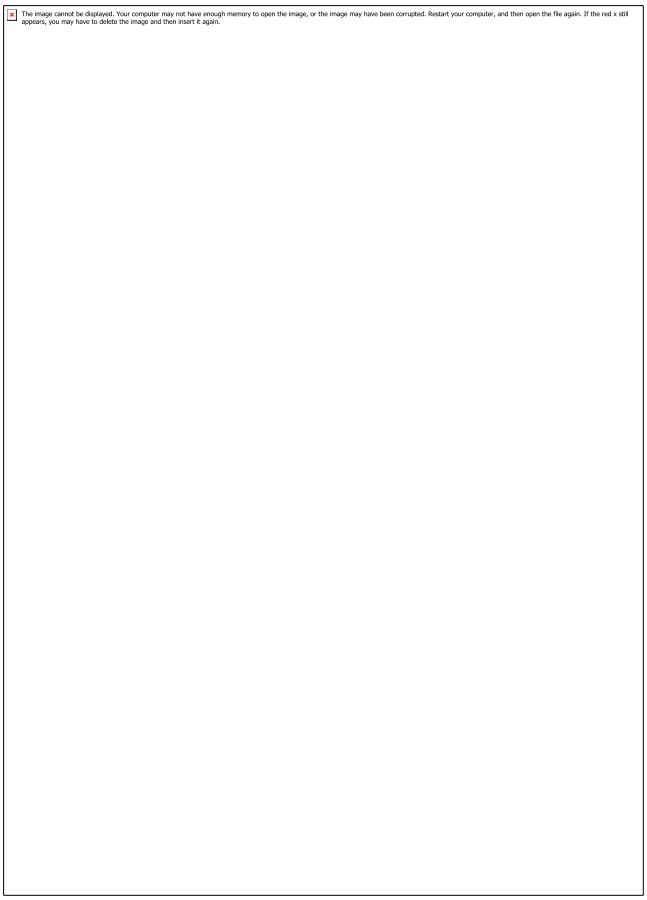
12) Family number: 42761297 (JP2008289528A)

Title: (JP2008289528A) [EN] BEVERAGE BREWER

Abstract: (JP2008289528A)
[EN]

PROBLEM TO BE SOLVED: To provide a beverage brewer capable of extracting a beverage at a place without an outlet.

SOLUTION: The beverage brewer includes a heating device 3 for heating and warming the beverage in a container 2 with a hot-water outlet 15; a first injector 13 for injecting hot water in the container 2 into a beverage pack 8 in which beverage powder is sealed and stored; a hot-water pressure-feeding device 17 disposed on the way of an extraction path 16 which communicates with the hot-water outlet 15 and the first injector 13 for feeding hot water into the first injector 13; a display control part 21; a control device 23 for the electric control; a first power supply device 34 using a commercial power supply as the driving power supply; and a second power supply device 35 built in a body 1. Either the first power supply device 34 or the second power supply device 35 can be selectively used, so that the beverage such as coffee, tea or green tea can be extracted by using the second power supply device 35 at a place without a power outlet.



Family:

Publication number	Publication date	Application number	Application date
JP2008289528 A2	20081204	JP20070135147	20070522

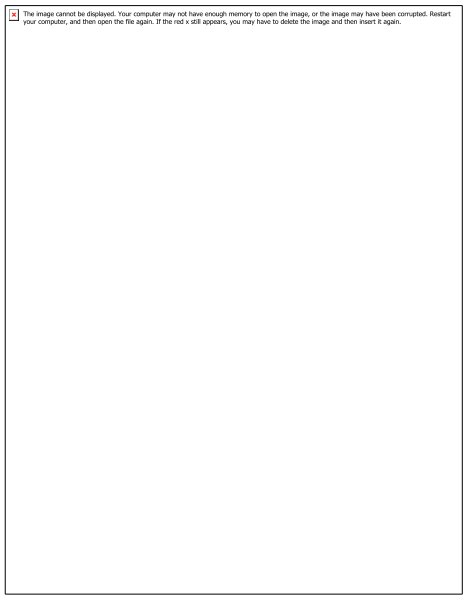
Priority: JP20070135147 20070522
Assignee(s): (std): PANASONIC CORP
Assignee(s): PANASONIC CORPORATION ; MATSUSHITA ELECTRIC INDUSTRIAL CO LTD
Inventor(s): (std): OKABE YOSHIYUKI

13) Family number: 31943660 (US2005109213A)

Title: (US2005109213A) [EN] Disposable coffee maker

Abstract: (US2005109213A)
[EN]

A disposable coffee pot includes a lower section containing water which is heated by an external heat source. Pre-packaged ground coffee beans are located in either the lower section or in a central section isolated from the water until the temperature of the water is elevated. When the bottom of the coffee pot is heated by a heat source, the water is allowed to boil increasing the pressure in the lower section causing that boiling water to rise out of the lower section. The hot water also ruptures a container for the ground coffee beans, or a valve separating the water from the coffee beans, to allow the hot water to contact the beans and form a coffee extract. The coffee is extracted and then accumulated in an upper section through a pipe so that it is possible to collect and drink the coffee from the upper section.



First claim (US2005109213A):

1. A disposable device for forming a hot liquid comprising a container wherein the inside of the container is separated by lower and upper barriers into at least a lower section and an upper section connected to each other through a pipe or water passage in the lower barrier, with an extractable food stuff being positioned above the lower section and lower barrier, so that water located in the lower section, when heated to boiling by an external heat source applied to the bottom of the lower section, creating an elevated pressure in the lower section, will move through the pipe or water passage and the extractable food stuff to the upper section, the water in the lower section being excluded from entering the extractable food stuff by a partition wall on or in the pipe or water passage extending into the lower section, the partition wall being opened by heat or pressure provided by the heated water, allowing the water to move through the pipe or water passage and the extractable food stuff to the upper section.

Family:

Publication number	Publication date	Application number	Application date
JP2005152551 A2	20050616	JP20030431307	20031120
US2005109213 AA	20050526	US20040982058	20041105
WO05051147 A1	20050609	WO2004US37676	20041110
Publication number	**Publication date**	**Application number**	**Application date**
US2008314254 AA	20081225	US20080201357	20080829

Priority: JP20030431307 20031120 US20040982058 20041105 US20080201357 20080829

Assignee(s): (std): SRD PHARMACEUTICALS INC ; TERADA MASAKI ; COFFEEPOT LLC

Inventor(s): (std): TERADA MASAKI