200 Documents

Publication numbers	Title	Current assignees
EP3349623 A1	Beverage dispensing systems and methods	STARBUCKS
EP3517449 A1	Automatic computerised beverage dispensing from the bottom of a vessel	GRINON INDUSTRY
EP3175744 A1	Apparatus and method for brewed and espresso drink generation	BRIGGO
US20140123858 A1	Frothing device for an espresso machine	WHIRLPOOL
WO2014144358 A1	Frothing assembly and method of operating the same	BRIGGO
US20140263429 A1	Pour spout device and method of use for dispensing liquid from a container	BANK OF AMERICA
WO2013163482 A1	Motorized liquid dispenser	BISHEL RICHARD A, ...
EP2983571 A2	Espresso milk frother	WW PANTON
WO200296252 A1	Cooking comestibles with hot gaseous fluid	CAI EDWARD, ...
EP3349630 A1	Beverage preparation systems and methods	STARBUCKS
EP2539229 A1	Dispensing system and method of controlling the system	DELFIELD, ...
EP1519892 A2	Sanitary manifold system and method for hygienically dispensing fluids	NESTEC
EP1513433 A1	Apparatus and method for preparing coffee with a fine-bubble froth layer, in particular cappuccino	DOUWE EGBERTS
EP1238403 A2	Beverage providing monitoring system, method and device	BEVERAGE METRICS HOLDING
EP1833339 A1	Coffee machine provided with a steam nozzle	SEB
EP2878241 A1	Electrically operated beverage-making machine, in particular electric coffee machine, with steam lance for foaming milk	WMF
EP3220787 A1	Device for processing liquids through steam	SCHUILENBURG
EP2816936 A1	SELF-SERVICE BEVERAGE DISPENSING MACHINE with BEVERAGE PREPARATION MODULE	SCHAERER
US20190177149 A1	Fluid Transfer Assembly And Methods Of Fluid Transfer	GRINON INDUSTRY
EP2396271 A2	Beverage dispense valve controlled by wireless technology	PEPSICO
EP2198409 A1	Method and apparatuses for providing a selectable beverage	COCA COLA
WO201367032 A1	Dispensing machine sanitization using electrochemically activated liquid	GENERAL 3, ...
EP1932457 A1	Device and method for producing a frothed liquid from soluble ingredients and diluent	NESTLE
EP2928347 A1	Beverage production device with enhanced receptacle injection means	NESTLE
EP2474254 A1	Modular beverage dispensing system	NESTLE

Publication numbers	Title	Current assignees
EP2897509 A2	Beverage machine	COSTA EXPRESS
WO2018189073 A1	Beverage preparation device with beverage draining means	NESTEC
EP2633789 A1	Beverage preparation machine with drop management	NESTLE
WO2018194475 A1	Beverage-dispensing system with optimized beverage-discharge arrangement	NOVADELTA COMÉRCIO & INDUSTRY DE CAFÉS
EP3142529 A1	Beverage preparation device for hot and cold beverages	NESTLE
EP2690992 A1	Beverage dispenser with improved nozzles assembly	NESTEC
US20180221833 A1	Systems and methods to nitrogen-infuse and dispense beverages	CUATRO CONNECT
EP2222212 A2	Modular manufacturing of beverage production machines	NESTLE
EP2265157 A1	Drink preparing machine including a steam nozzle cleaning system	SEB
EP2257207 A1	Drink preparing machine including a built-in container for cleaning using steam nozzle	SEB
EP3094591 A1	Method and apparatus for beverage carafe detection	KEURIG GREEN MOUNTAIN
EP2534986 A1	Device for heating and foaming a beverage	WMF
EP2148599 A1	Beverage preparation machines and methods for operating beverage preparation machines	KRAFT JACOBS SUCHARD ZURICH, ...
EP2959462 A1	Automated beverage generating system and method of operating the same	BRIGGO
EP1491120 A1	Coupling unit of an espresso machine	EUGSTER FRISMAG
US20180132654 A1	Frothing assembly and method of operating the same	BRIGGO
EP3459403 A1	System for preparing aromatic beverages with optimised beverage discharge arrangement, and method for operating this system	DELTA CAFES
WO201106045 A1	Method and system to produce gourmet coffee	WAL MART STORES, ...
WO200806623 A2	Device for supplying milk	WMF
EP3188627 A1	A beverage preparation machine	NESTLE
EP2981198 A1	Capsule machine and components	2266170 ONTARIO
EP2969904 A1	System and method of use for dispensing liquids from a container	BANK OF AMERICA
EP3209172 A1	Flow circuit for carbonated beverage machine	BEDFORD SYSTEMS
EP1610658 A2	Steam automatic dispensing device for preparing hot and/or frothed drinks	RANCILIO MACCHINE PER CAFFE
EP2896332 A1	Device associable with a steam dispensing nozzle of a coffee machine for the production of a milk-based beverage	DE LONGHI APPLIANCES
US4852474 A	Espresso machine with cappuccino making attachment	ROBERT KRUPS STIFTUNG
EP2029470 A1	A liquid dispensing system	CREED GREGORY
US5312017 A	Product identification system for beverage dispenser	COCA COLA

Publication numbers	Title	Current assignees
EP2397054 A1	Brewing device with a coffee reheater	JURA ELEKTROAPPARTE, ...
US5303639 A	Automatic brewer	BUNN O MATIC
WO201978748 A1	Beverage preparation system with beverage receptacle retention	NOVADELTA COMERCIO E INDUSTRY DE CAFES
EP2961297 A1	Automatic coffee machine with a water and/or steam dispenser	DE LONGHI APPLIANCES
EP2747619 A1	Cleaning dispenser	AQUIS WASSER LUFT SYSTEME
EP1518484 A1	Apparatus for making multiple beverages with reduced cross-contamination	LAVAZZA PROFESSIONAL NORTH AMERICA
EP1501755 A2	Fluid dispensing device with self-cleaning nozzle and cleaning method	NESTLE
EP3116354 A1	Devices and methods for brewing and/or steeping tea	IMI CORNELIUS
EP2859820 A1	Self-cleaning milk foaming device	TSANN KUEN ENTERPRISE
EP1294263 A1	Automatic device for heating and frothing a liquid, in particular milk	RANCILIO MACCHINE PER CAFFÈ
EP1317200 A1	Apparatus for preparing a coffee extract with a fine-bubble froth layer using a rough impact surface	DOUWE EGBERTS
EP2822430 A1	Beverage vending machine and outflow module for such a beverage vending machine	SCHAERER
US20170129760 A1	Method and apparatus for cleaning beverage dispensers	SEA HAWK SYSTEMS
DE19955195 A1	Device for preparation and output of milk has milk line cooled at least in first part region adjoining reservoir and rinsing line is connected to milk line here	NIRO PLAN
WO2017129443 A1	Device and steam lance for foaming and/or heating milk	LUFTHANSA TECHNIK
EP-561741 A1	Coffee making process and device.	COSMEC
EP2996523 A1	Coffee brewing apparatus, coffee beverage system and method for preparing a coffee beverage	DOUWE EGBERTS
US20050223911 A1	Device for portioned delivery of milk, particularly for cappuccino machines	RANCILIO
EP-694022 A1	Gravity feed fluid dispensing system	3M
EP2099341 A1	Beverage preparation machine with a pinch valve	JURA ELEKTROAPPARATE
US20150272381 A1	Beverage preparation machines	DOUWE EGBERTS
US3844447 A	Vending machines	SERVOMAT FAST FOODS
WO2018211003 A1	Apparatus and method of frothing a quantity of milk	COFFEE INNOVATIONS, ...
EP1453405 A1	Beverage brewing method and apparatus	LAVAZZA PROFESSIONAL NORTH AMERICA
EP-791321 A1	Expresso coffee machine provided with a device for whipping	GAGGIA ESPONOLA, ...

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	milk	
EP1686878 A2	Fluid delivery system for generating pressurized hot water pulses	HOUSEHOLD TECHNOLOGY CAMAS WA
US20160150911 A1	Coffee machine with overflow feature	BREVILLE
EP2133009 A1	Device for whisking milk and method for cleaning such a device	PHILIPS ELECTRONICS
EP2709500 A1	Apparatus and method for an improved coffee maker	BREVILLE
EP1415580 A1	Device for draining off residual steam and residual water from the heater of a hot drink dispenser, especially a coffee machine	EUGSTER FRISMAG
DE3829326 A1	Device for preparing cappuccino	ROBERT KRUPS
US20070187421 A1	Method and apparatus for controlling fluid flow in a steaming pitcher	ESPRO
FR2975671 A1	System for filling glass container with beer in bars, has filling nozzle whose supply unit is provided with pressurized fluid, and sealing unit performing sealing between filling nozzle and bottom part of container	MARTON FREDERIC, ...
EP2203097 A2	Coffee machines with at least two brewing units	RANCILIO
EP1597992 A1	Device for frothing a liquid	MELITTA EUROPA
US20170354290 A1	Preparation of Heated Beverages	BEADED DISTRIBUTION
EP3223668 A1	Liquid dispensing machine with compact drop stop	NESTLE
EP1430819 A1	Connector piece for the steam outlet of a coffee machine	NESTLE
EP-658330 A1	Method and device for cleaning a brewing apparatus, esp. a coffee brewer	JURA ELEKTROAPPARATE
US9808114 B1	Automated machine for producing multiple cups of coffee	STEADY EQUIPMENT
WO201715576 A1	Methods and systems for an intelligent beverage mixing appliance	BECKER TODD H, ...
WO2010105208 A1	Cleaning cycle indicator and cleaning process for beverage maker	WAL MART STORES, ...
EP3087014 A1	Brewable beverage making cup adaptor for cartridge type coffee making machines and cartridge type coffee making machine	PANGAEA LABS, ...
EP2571407 A1	Storable hot water or steam delivery device	NESTEC
EP-509505 A2	Steam ejection nozzle for beverages	SPIDEM
EP2941402 A1	Method and system for securing and removing a liquid molding system valve from a beverage dispenser	MANITOWOC FOODSERVICE
EP1051940 A2	Device for whipping milk	BRAUN
US3703187 A	Dispensing valve	BOOTH J J
WO2018158179 A1	Dispenser with parallel dispensing paths	NESTEC

Publication numbers	Title	Current assignees
EP-374637 A1	Device for preparing cappuccino coffee	ROBERT KRUPS
US5017759 A	Steam producing machine with improved delivery nozzle especially for heating beverages and rising foam therein	BIMAK 50040 SETTIMELLO DI CALENZANO FIRENZE ITALY VIA BALDANZESE NO 35
US4735133 A	Milk heating and emulsifying device especially for the preparation of the hot drink known as "cappuccino"	FULMINE, ...
EP2229850 A1	Device for foaming liquid food in a container	FRANKE KAFFEEMASCHINEN
EP-797945 A1	Filter-coffee machine	FIANARA INTERNATIONAL, ...
EP2148818 A1	Improvements in or relating to beverage preparation machines	DOUWE EGBERTS
EP3505024 A1	A drinks machine with hot water and steam delivery and a method of use	PHILIPS
EP2178425 A2	Machine for preparing beverages, in particular coffee, with limescale- prevention systems and relative method	PHILIPS ELECTRONICS
EP-395866 A2	Appliance for brewing coffee or tea	MELITTA
EP-270141 A1	Compact automatic coffee-making machine more particularly for domestic use	IDEA SPOL S R O
EP3534762 A1	Filtration system	COSTA EXPRESS
EP-678266 A1	Tea brewer	VKI TECHNOLOGIES
EP3313245 A1	Device for preparing frothy milk	CMA MACCH PER CAFFÈ
EP2424412 A2	Automatic coffee maker and tube valve	DOUWE EGBERTS
EP2341805 A1	Appliance for fine steam-frothing a milk-based liquid	NESTLE
EP2897507 A2	Device for preparing hot or cold milk froth	EUGSTER FRISMAG
EP2446792 A1	Replaceable end-piece for a vapour nozzle of a coffee machine	GRUPPO CIMBALI
EP2341806 A1	Appliance for conditioning a milk-based liquid	NESTLE
EP2265158 A1	Beverage preparation device with in-line scale removal system and descaling method using such system	NESTEC
EP1404201 A1	Device for heating and emulsifying liquids, in particular drinks	SPIDEM, ...
WO200721691 A1	Coffee maker with dual use pour and dispensing carafe and method	BACK TO BASICS PRODUCTS
US20030209152 A1	Hot coffee mixing device for a coffee maker	FANTASTICOFFEE
US20120000372 A1	Hot-beverage-making apparatus, in particular for milk beverages such as cappuccino, chocolate and the like	LAVAZZA
EP2869742 A1	System for preparing milk and/or milk foam in drinks machines, and a heater unit	EVERSYS HOLDING
WO201170365 A1		

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	Steam generating appliances	STRIX
EP2147621 A1	An apparatus for the preparation of coffee-based beverages from pre-packaged pods or capsules	GRUPPO CIMBALI
EP2025270 A2	Device for foaming and heating up milk	CAFINA
EP2490581 A2	Milk frothing method and milk frothing device for implementing the method	ELEKTRA
EP3324797 A1	Espresso milk frother probe	WW PANTON
WO2010121299 A1	Steam wand	SUNBEAM
EP3469964 A1	Apparatus for frothing milk	BREVILLE
US20120240774 A1	Infusion barrel structure for beverage making device	YANG DANIEL
EP-287906 A2	Apparatus for quick emulsification and heating of liquids	BREVETTI GAGGIA
US20150104548 A1	Milk steamer	G E W INTERNATIONAL
US4800805 A	Espresso machine with cappuccino making attachment	ROBERT KRUPS STIFTUNG
US5473972 A	Milk container attachment for cappucino maker	CONAIR
EP-662297 A1	Device for producing frothed milk for cappuccino.	ARTHUR EUGSTER ELEKTROHAUSHALTSGERATE
EP-575762 A1	Device preparing foamed milk for cappuccino	EUGSTER FRISMAG
US4852473 A	Water vapor relief device for domestic coffee makers	OFICINA DE INVESTIGACION AGRUPADA
EP3210505 A1	Boiler unit for a device for heating and/or frothing of milk	EVERSYS HOLDING
WO201573716 A1	Apparatus and method for making tea latte	CAMELLIA LABS
EP1955623 A1	Liquid food heating apparatus and steam jet nozzle for liquid food heating apparatus	SANDEN
EP1833337 A1	Coffee machine	BSH HAUSGERAETE
EP1578234 A1	Clean-in-place automated food or beverage dispenser	NESTEC
EP3257758 A1	Fluid container and method of manufacturing a drinking container	GRINON INDUSTRY
EP2353473 A1	Beverage dispenser with hygienic cleaning cycle	NESTLE
EP1204351 A2	Methods and systems for utilizing delayed filtering to provide customized varieties of fresh-brewed coffee on-demand	FOLGER COFFEE
EP2999659 A1	A beverage service system	INVISIONARY HOLDINGS
EP1204350 A2	Methods and systems utilizing delayed mixing for providing customized beverages on demand	PROCTER & GAMBLE, ...
EP3061722 A2	Multi-tower modular beverage dispensing system	PEPSICO
EP1440640 A2	Machine for the preparation of beverages	DOUWE EGBERTS
EP2364492 A1	A controller and method of controlling an integrated system for dispensing and blending/mixing beverage ingredients	MANITOWOC

Publication numbers	Title	Current assignees
EP1042214 A2	Automated beverage system	RESTAURANT TECHNOLOGY
US20170099981 A1	Callisto integrated tablet computer in hot and cold dispensing machine	T FLIP
WO2016201305 A1	Method and apparatus for dispensing controlled quantities of additives into a beverage	LIFEFUELS
EP-643667 A1	Beverage dispensing system for a bar	AZBAR
US20140182744 A1	Bottom fill kitchen sink feature	HAIER US APPLIANCE SOLUTIONS
EP-765124 A1	Milk frothing and heating system	FARMER BROS, ...
EP3355715 A2	Beverage dispensing	HYDRATION LABS
EP3297499 A1	Digital table	PEPSICO
US20170190555 A1	Beverage making machine	COCA COLA
EP1209982 A2	Process for providing customized varieties and strengths of fresh-brewed coffee on demand	PROCTER & GAMBLE, ...
EP2129270 A1	Improvements in or relating to a machine for the preparation of beverages	DOUWE EGBERTS
US20190292037 A1	Wireless beverage dispensing monitor	BEVERAGE MANAGEMENT SYSTEMS
US5044521 A	Volumetrically controlled drink dispenser	PECKELS ARGANIOUS
EP1855571 A2	Apparatus for preparing beverages	COFFEE NATION
EP2285256 A1	Air pressure controllable beverage making apparatus, system and method	BUNN O MATIC
US20130239818 A1	Integrated system for dispensing and blending/mixing beverage ingredients	DELFIELD, ...
EP3355942 A1	Ultraviolet disinfecting device for food and beverage dispensers	AUTOMATIC BAR CONTROLS
EP2637964 A1	Method and apparatus for dispensing a beverage from a liquid concentrate	LANCER
EP2548481 A1	Beverage machine with a beverage disposal	BSH HAUSGERAETE
WO200226614 A2	Brewed iced tea or non-carbonated drink dispenser	PEPSICO
EP2212864 A1	Device and method for operating an interactive dispenser	COCA COLA
US20160280527 A1	Capsule-based alcoholic beverage forming apparatus and components thereof	ALTRIA CLIENT SERVICES
US20150068403 A1	Machine for the preparation of beverages	DOUWE EGBERTS
US5731981 A	Beverage dispensing system for bar	AZBAR
EP2531080 A2	Method and apparatus for cartridge-based carbonation of beverages	KEURIG GREEN MOUNTAIN, ...
US20150230653 A1	Apparatus for facilitating automatic beverage preparation via	CHENG BI

Publication numbers	Title	Current assignees
	cyber ordering	
US20090095165 A1	Machine for brewing a beverage such as coffee and related method	STARBUCKS
EP-726225 A1	Beverage dispensing system with bottle identification mechanism	BERG DEALER C, ...
US20180194607 A1	Beverage dispensing system	MIAVINA
EP1656863 A1	Self-cleaning mixing head for producing a milk-based mixture and beverage production machines comprising such a mixing head	NESTLE
US5505349 A	Electronic dispensing heads	BANK OF AMERICA
EP3280302 A1	Cold brew system, method and apparatus	BUNN O MATIC
WO2013192625 A1	Beverage brewing system	TOUCH COFFEE & BEVERAGES
EP3207835 A1	Device and method for preparation of beverages with differing tastes	TUTTOESPRESSO
EP2572609 A1	Drink material cup, identification device, drink preparation machine, drink preparation system and drink preparation method	TEATEK
US5295611 A	Beverage dispenser coding device	AZBAR
EP2757925 A1	Dispenser for hot and cold beverages	NESTEC
US20120228328 A1	Dispenser for beverages having a rotary micro-ingredient combination chamber	COCA COLA
EP3094219 A1	Beverage cartridge holder with movable outlet	KEURIG GREEN MOUNTAIN
US20100239734 A1	Method for preparing a beverage or food liquid and system using brewing centrifugal force	NESTLE
EP3126251 A1	Container for preserving liquid contents	KUVEE
EP2594174 A1	Beverage preparation machine	MIELE
EP3226733 A1	A system and apparatus for optimizing hydration and for the contextual dispensing of additives	LIFEFUELS
EP2625134 A2	Apparatus, system, and method for dispensing, receiving, cleaning and/or filling a container	EVIVE STATION
EP2353474 A1	Beverage dispenser with safe cleaning arrangement	NESTLE
WO2015148089 A1	Beverage dispenser	ACCESS BUSINESS GROUP INTERNATIONAL

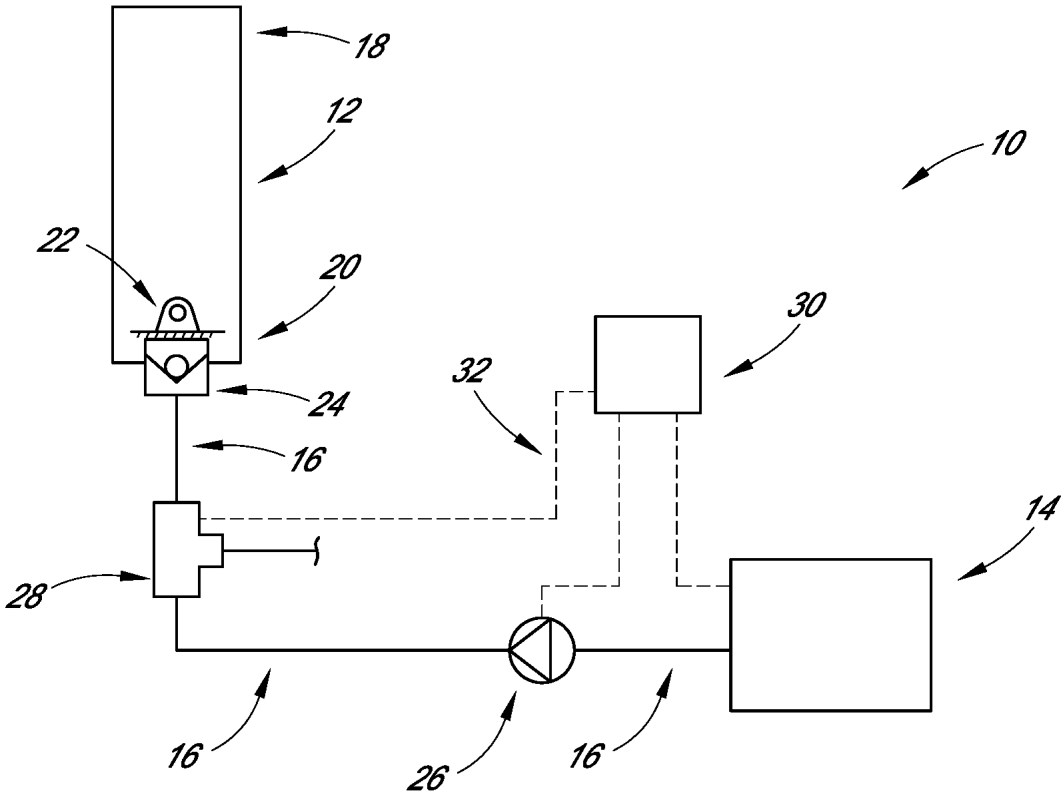
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Title

(EP3349623)

Beverage dispensing systems and methods

Images



Publication data including kind & date

US10362896	B2	2019-07-30	US10362896
US20190223654	A1	2019-07-25	US20190223654
EP3466307	A3	2019-07-10	EP3466307
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Abstract

(EP3349623)

Various beverage preparation systems and methods are disclosed. The beverage preparation system can include a dispensing unit configured to receive beverage, such as a shot of espresso, from a beverage preparation machine. The dispensing unit can include a dispensing unit with a first end and a second end. The dispensing unit can be rotatable between an upright position and an inverted position. The dispensing unit can be configured to receive the beverage through the second end when the dispensing unit is in the upright position, and can be configured to receive cleansing fluid through the second end when the dispensing unit is in the inverted position. In some embodiments, when the dispensing unit is in an intermediate position between the upright and inverted positions, the dispensing unit is configured to dispense the beverage out of the first end and into a cup or other vessel.

Inventors

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Latest standardized assignees - inventors removed

STARBUCKS

Family 2/200 - FAMPAT - ©Questel

Title

(EP3517449)
Automatic computerised beverage dispensing from the bottom of a vessel

Images

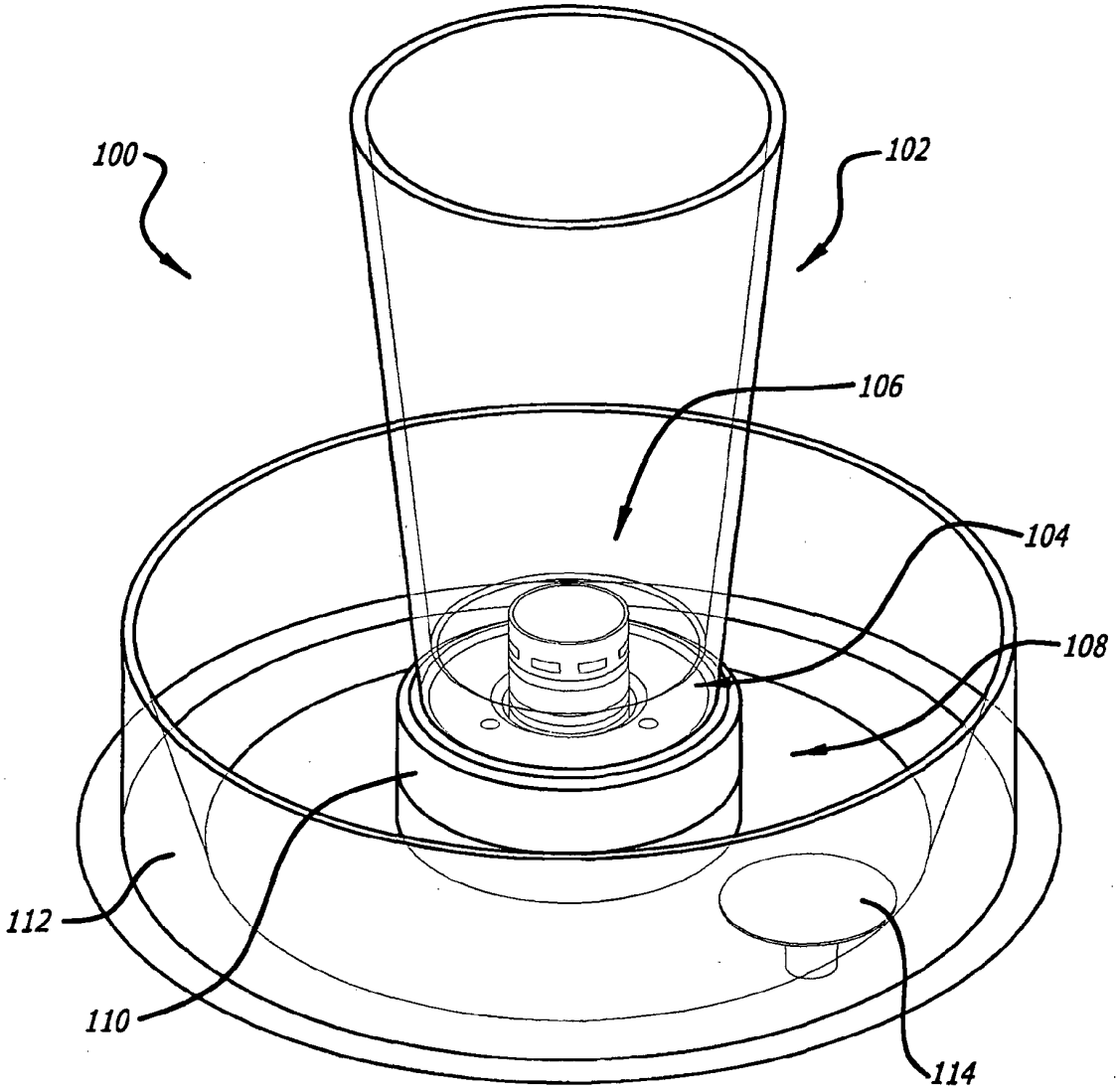


FIG. 1

Publication data including kind & date

EP3517449	A1	2019-07-31	EP3517449
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EP2993132	B1	2019-03-13	EP2993132
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Abstract

(EP3517449)

A fluid dispensing assembly, including a valve, a housing, a user interface, and a fitting to couple to a fluid source. The valve may include a first sensor detecting proper placement of the fluid container based on a magnetic material positioned at the bottom of the fluid container, a plunger having a plunger shaft coupled thereto, the plunger selectively placing the valve in fluid communication with the fluid container, and a solenoid coupled to the plunger shaft and moving the plunger shaft to transition the plunger between an open position and a closed position. The user interface may be coupled to the valve to enable selection of at least a fluid container size and a dispensing mode.

Inventors

SPRINGER JOSHUA

Latest standardized assignees - inventors removed

GRINON INDUSTRY

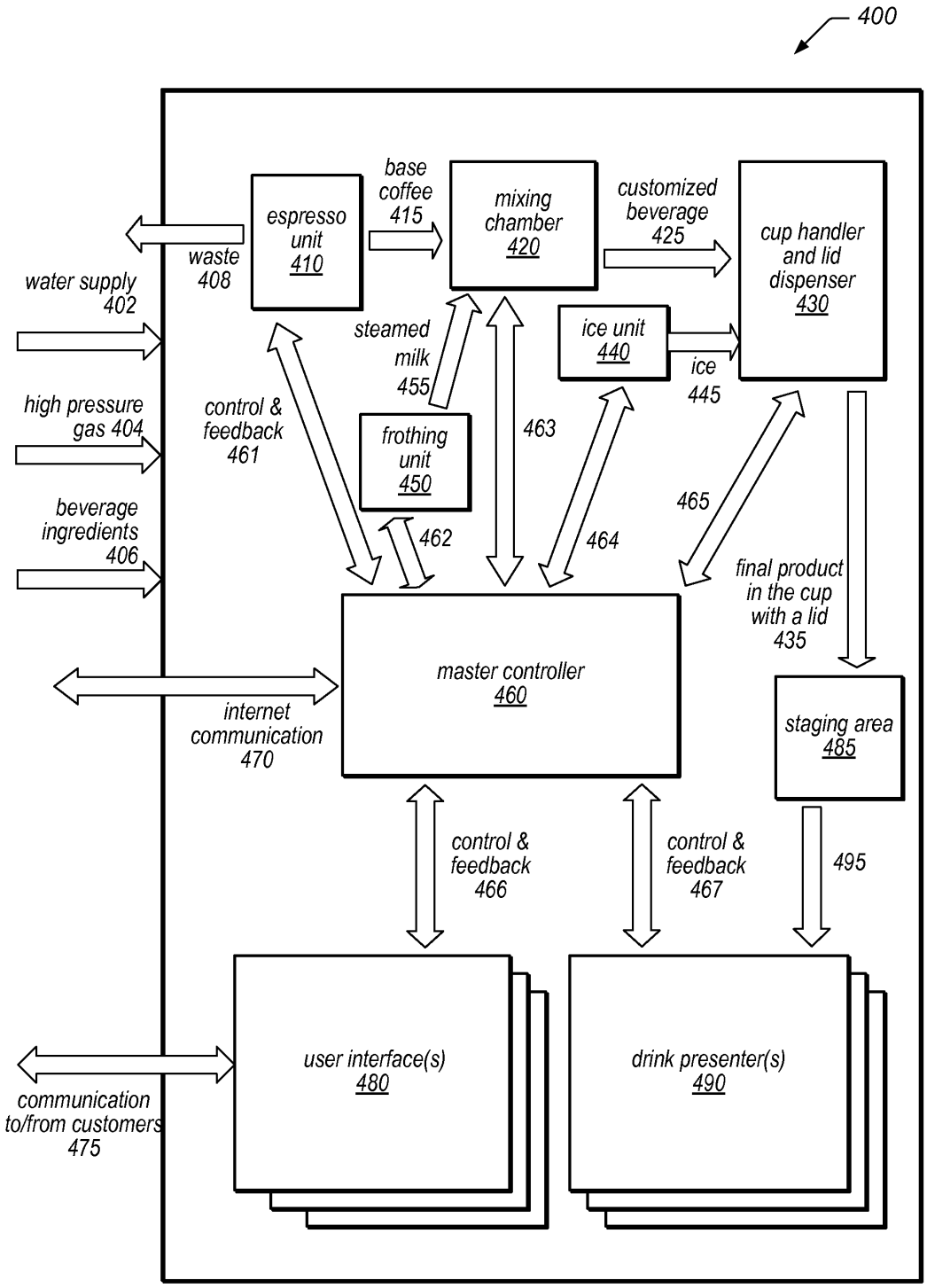
Family 3/200 - FAMPAT - ©Questel

Title

(EP3175744)

Apparatus and method for brewed and espresso drink generation

Images



Publication data including kind & date

JP2019069159	A	2019-05-09	JP2019069159
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WO2012/083194	A2	2012-06-21	WO201283194

Abstract

(EP3175744)

In one aspect of the present invention there is provided an automated beverage generation system, comprising: an input mechanism (132) that is configured to receive requests to produce beverages; a controller (126) that is configured to control the performance of a plurality of chemical or mechanical processes, each of which contributes to the production of one or more beverages or one or more components of the one or more beverages; and a plurality of mechanical components, each of which is configured for selective use during the performance of one or more of the plurality of chemical or mechanical processes in the production of a specified beverage. In response to receiving a request to produce the specified beverage through the input mechanism, the controller (126) is configured to effect the production of the specified beverage, wherein producing the specified beverage comprises performing one or more of the plurality of chemical or mechanical processes using one or more of the plurality of mechanical components configured for use in the production of the specified beverage while also performing one or more chemical or mechanical processes for producing another beverage using another one or more mechanical components of the plurality of mechanical components configured for use in the production of the specified beverage.

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Latest standardized assignees - inventors removed

BRIGGO

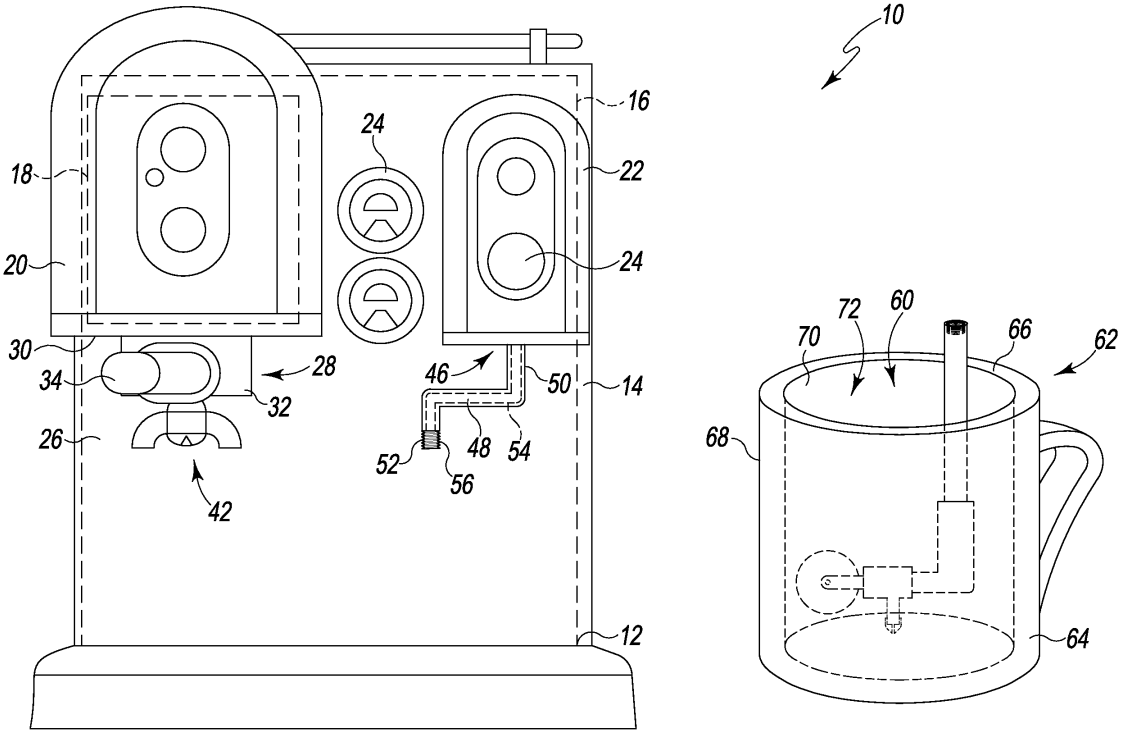
Family 4/200 - FAMPAT - ©Questel

Title

(US9060647)

Frothing device for an espresso machine

Images



Publication data including kind & date

US9060647	B2	2015-06-23	US9060647
US20140123858	A1	2014-05-08	US20140123858

Abstract

(US20140123858)

An apparatus for making beverages including a frothing device fluidly coupled to an outlet of a wand fluidly coupled to a boiler. The frothing device includes a nozzle configured to be positioned below the surface of the liquid, and a valve member movable between a first position in which steam is prevented from moving between the outlet of the wand and the nozzle and a second position in which steam is permitted to move between the outlet of the wand and the nozzle. The frothing device also includes a float device that maintains the frothing device on the surface of liquid.

Inventors

RELLIS DANIEL

Latest standardized assignees - inventors removed

WHIRLPOOL

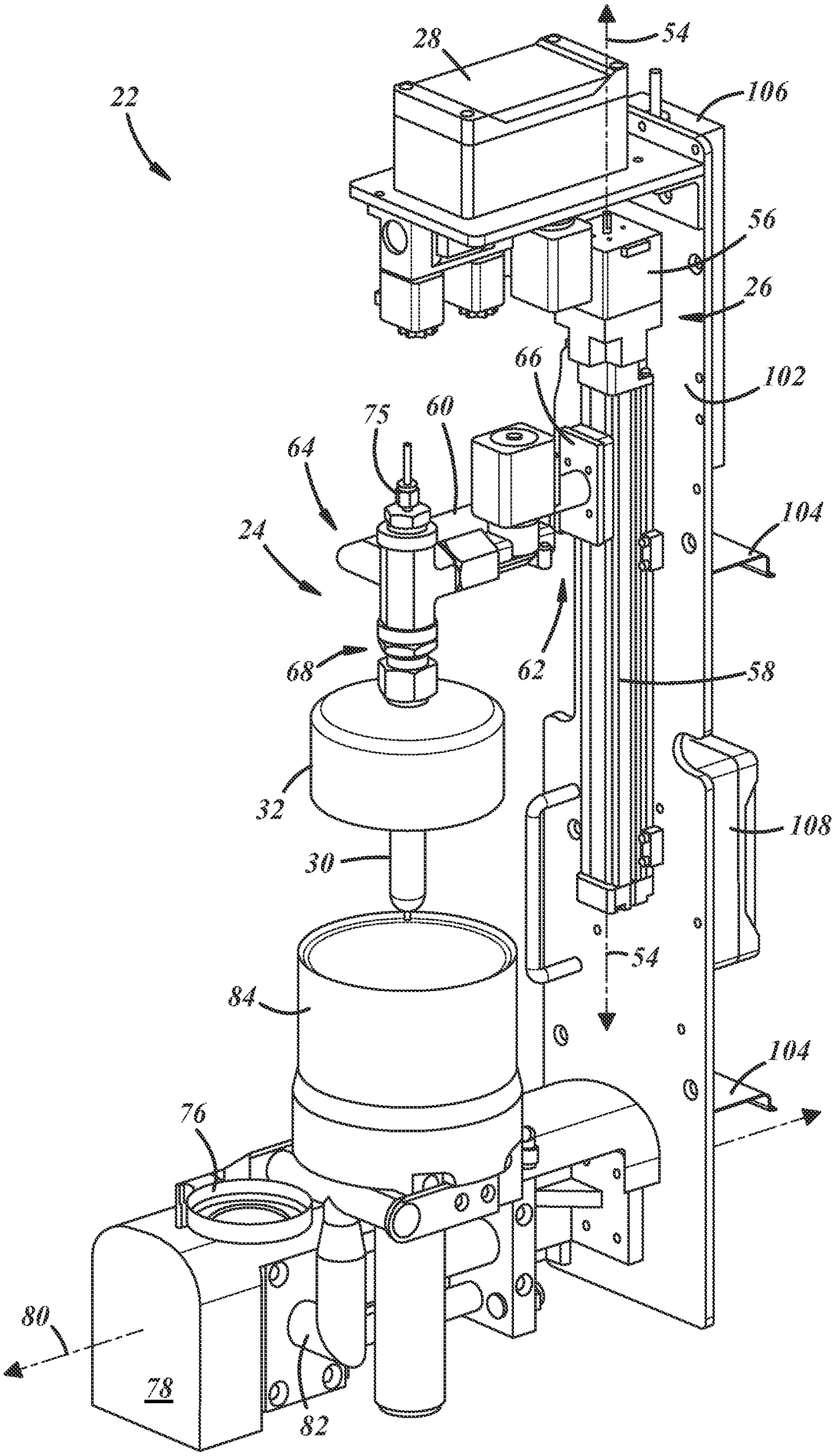
Family 5/200 - FAMPAT - ©Questel

Title

(WO2014144358)

Frothing assembly and method of operating the same

Images



Publication data including kind & date

US8991795	B2	2015-03-31	US8991795
US20140264972	A1	2014-09-18	US20140264972

WO2014/144358 A1 2014-09-18 WO2014144358

Abstract

(WO2014/144358)
An automated frothing assembly. The automated frothing assembly has a wand module that includes an elongate member having an inlet, one or more outlets, and a fluid passageway extending between and in fluid communication with the inlet and the plurality of outlets. At least one of the one or more outlets extends parallel to a vertical plane that includes the centerline of the elongate member and at an acute angle relative to a horizontal plane that is perpendicular to both the vertical plane and the centerline of the elongate member. The assembly further includes an actuator configured to be operatively coupled to the wand module and to drive the movement of at least a portion of the wand module along an axis, and an electronic controller configured to be electrically coupled to the actuator and to control the operation of the actuator to control the movement of the wand module.

Inventors

HAMRICK LYNN WARREN
STUDOR CHARLES F
CLAFFERTY BRENT
GARCIA PETE P
MILLER STEPHEN A
HASSOUN MARWAN

Latest standardized assignees - inventors removed

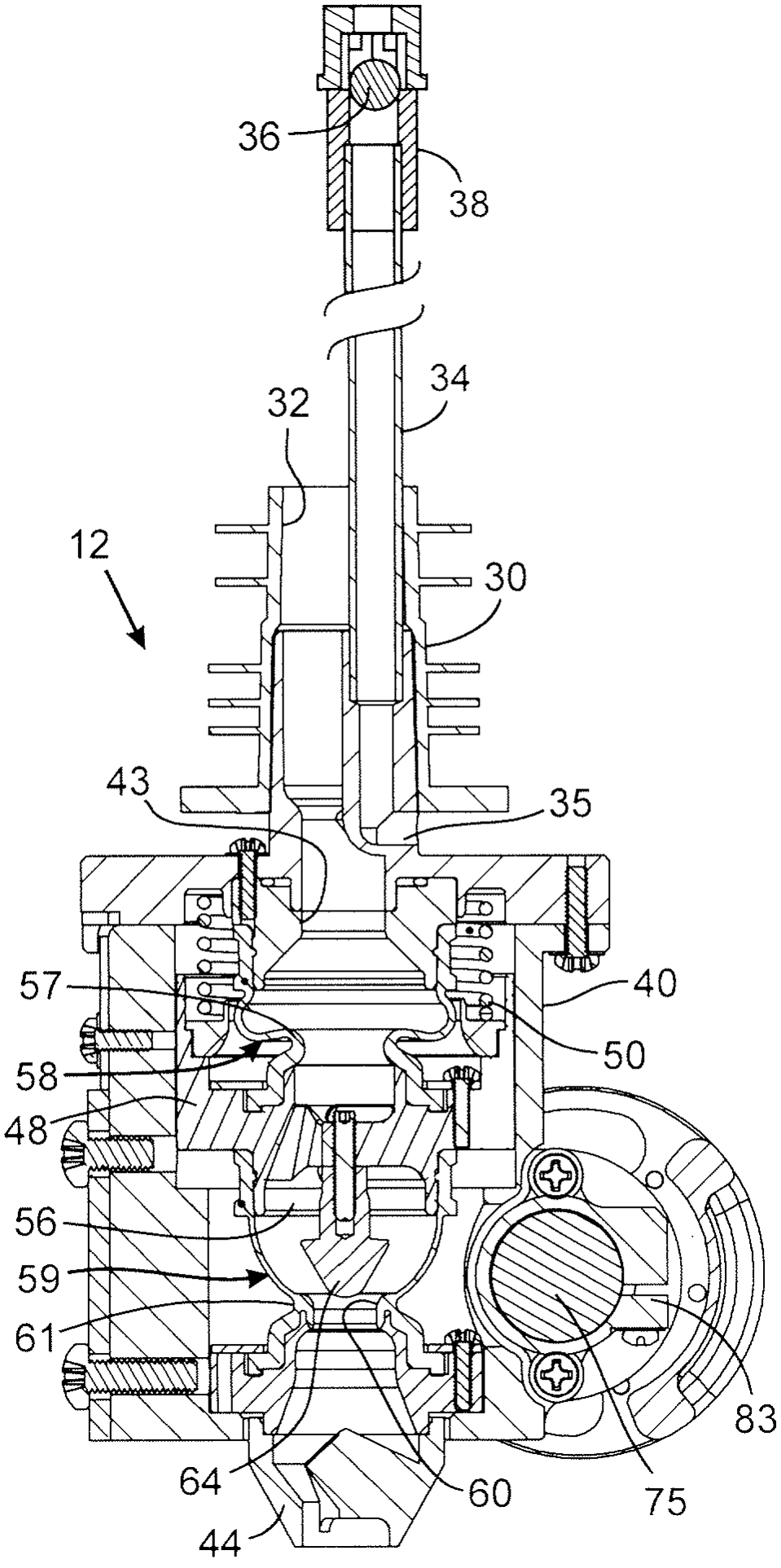
BRIGGO

Family 6/200 - FAMPAT - ©Questel

Title

(US9004320)
Pour spout device and method of use for dispensing liquid from a container

Images


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Publication data including kind & date

US9022257	B2	2015-05-05	US9022257
US9004320	B2	2015-04-14	US9004320
US20140263429	A1	2014-09-18	US20140263429
US20140263430	A1	2014-09-18	US20140263430

Abstract

(US9004320)

A pour spout for dispensing a beverage from a bottle including a bottle adapter for attaching to a bottle to receive a beverage from the bottle, a housing having a chamber into which a housing inlet and a housing outlet open, the housing inlet connected to the bottle adapter for receiving the beverage, a valve carriage moveably received within the chamber and having a carriage passage, a resilient first tube providing a first passageway for beverage to flow from the housing inlet to the carriage passage, a resilient second tube providing a second passageway for beverage to flow from the carriage passage to the housing outlet, a valve operatively connected to the valve carriage to control flow of the beverage through the housing from the housing inlet to the housing outlet; and a valve actuator for moving the valve carriage within the chamber to operate the valve open or closed.

Inventors

KEATING MICHAEL J
LAMOND DONALD R
FAUST RONALD F
GILES THOMAS E
DORSEY ALBERT H

Latest standardized assignees - inventors removed

BANK OF AMERICA

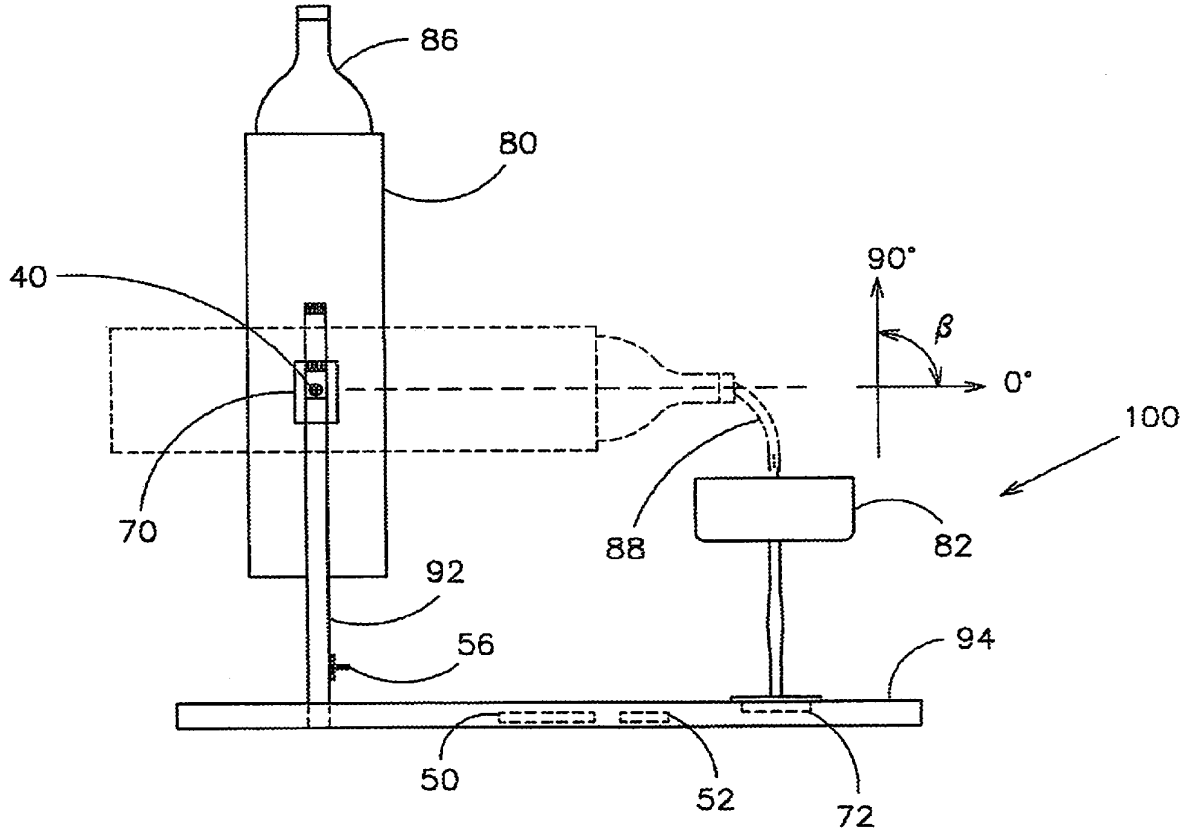
Family 7/200 - FAMPAT - ©Questel

Title

(WO2013163482)

Motorized liquid dispenser

Images



Publication data including kind & date

US9856128	B2	2018-01-02	US9856128
US20150108169	A1	2015-04-23	US20150108169
WO2013/163482	A1	2013-10-31	WO2013163482

Abstract

(WO2013/163482)

A beverage dispenser comprises a bottle holder, a motor, and a controller. The bottle holder is configured to hold a bottle of a liquid beverage. The motor is connected to the bottle holder and configured to move the bottle holder in an angular movement to bring the bottle into a pouring position. The controller is configured to control the bottle holder via the motor in a set pattern to dispense a portion of the liquid beverage from the bottle into a serving receptacle. The liquid beverage may be wine, and the serving receptacle may be a wine glass. The liquid beverage may be liquor, and the serving receptacle may be a shot glass. The portion of the liquid may be an amount of liquid to fill the receptacle to a designated level. The portion of the liquid beverage is less than the entire capacity of the bottle.

Inventors

BISHEL RICHARD ANTHONY

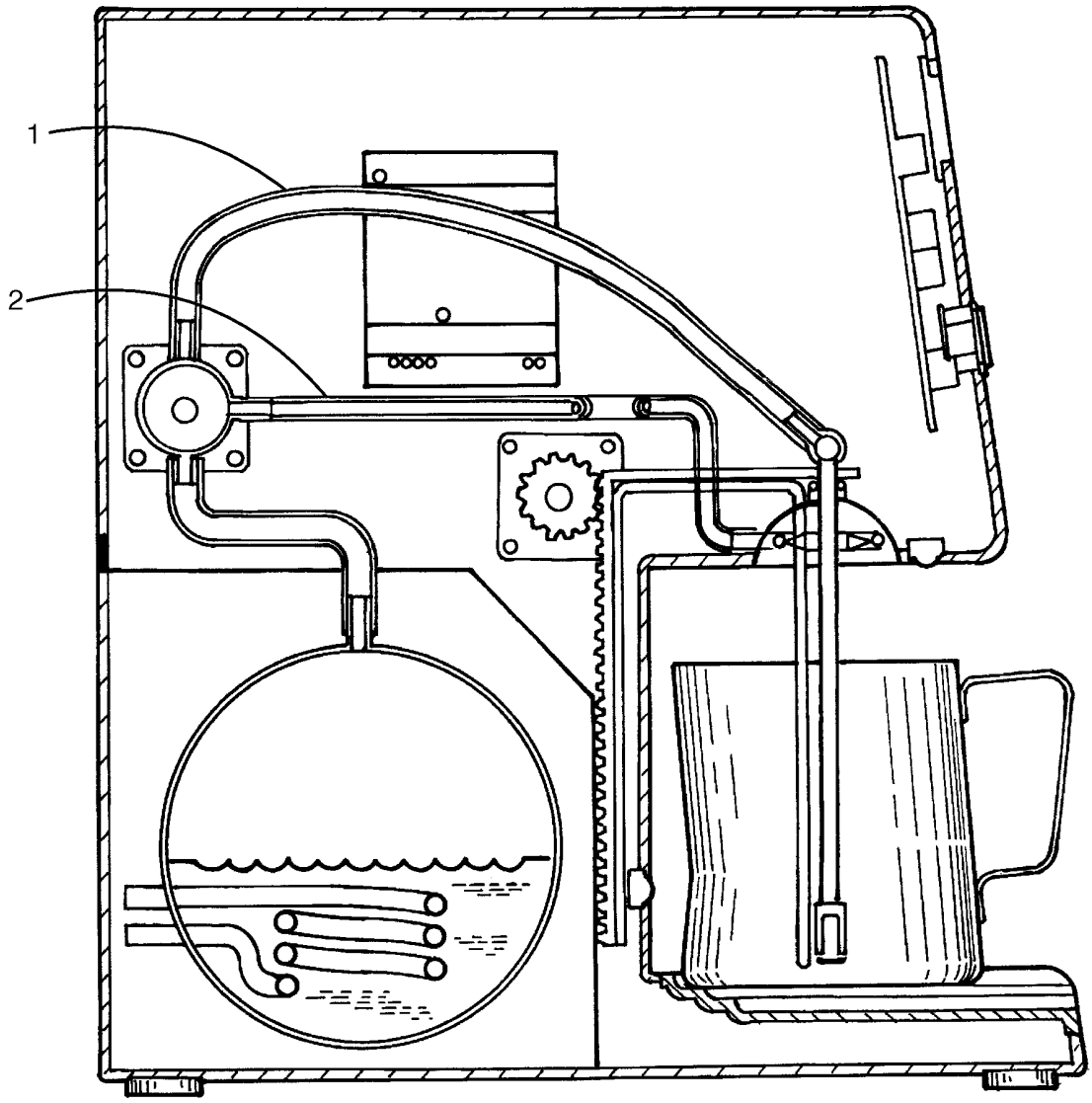
Family 8/200 - FAMPAT - ©Questel

Title

(EP2983571)

Espresso milk frother

Images



Publication data including kind & date

US10271679	B2	2019-04-30	US10271679
JP2019051358	A	2019-04-04	JP2019051358
HUE040218	T2	2019-02-28	HUE040218
RU2680647	C2	2019-02-25	RU2680647
ES2688705	T3	2018-11-06	ES2688705
DK2983571	T3	2018-09-17	DK2983571T
EP2983571	B1	2018-06-06	EP2983571
RU2015137767	A3	2018-03-22	RU2015137767
BR112015025544	A2	2017-07-18	BR112015025544
RU2015137767	A	2017-05-12	RU2015137767
EP2983571	A4	2016-12-21	EP2983571
NZ712513	A	2016-07-29	NZ-712513
AU2014252763	B2	2016-06-23	AU2014252763
JP2016518179	A	2016-06-23	JP2016518179
IN8808/DELNP/2015	A	2016-06-03	IN2015DN08808
US20160058238	A1	2016-03-03	US20160058238
EP2983571	A2	2016-02-17	EP2983571
KR20150140290	A	2015-12-15	KR20150140290

BR112015025544	A1	2015-12-08	BR112015025544
CN105120720	A	2015-12-02	CN105120720
SG11201507995U	A	2015-10-29	SG11201507995U
AU2014252763	A1	2015-10-08	AU2014252763
NO20151309	A1	2015-10-02	NO20151309
WO2014/165911	A3	2014-12-18	WO2014165911
CA2908714	A1	2014-10-16	CA2908714
WO2014/165911	A2	2014-10-16	WO2014165911

Abstract

(EP2983571)

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.

Inventors

PURTON WILLIAM WESTMORE

Latest standardized assignees - inventors removed

WW PANTON

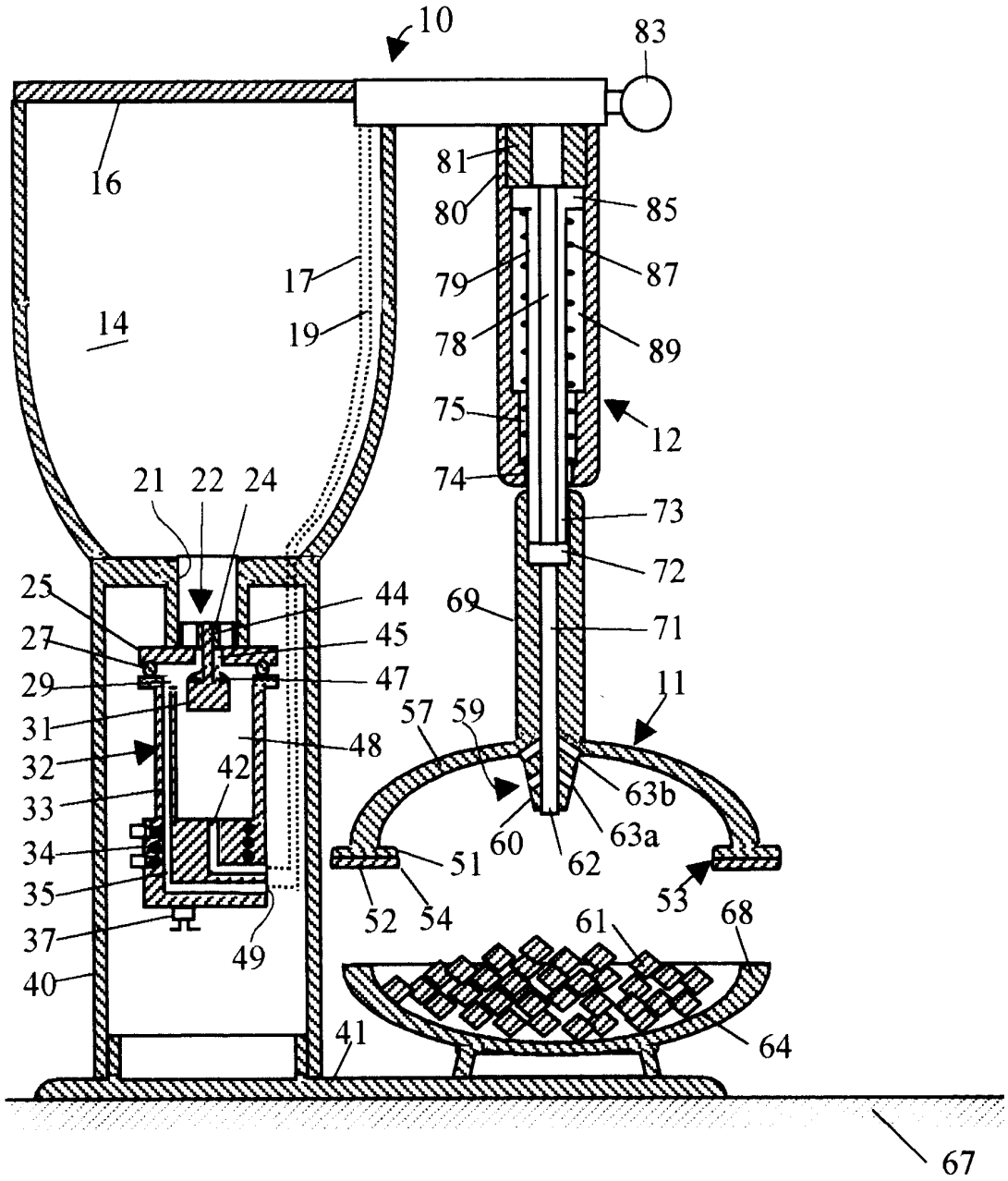
Family 9/200 - FAMPAT - ©Questel

Title

(WO200296252)

Cooking comestibles with hot gaseous fluid

Images



Publication data including kind & date

US6582743	B2	2003-06-24	US6582743
US20020178932	A1	2002-12-05	US20020178932
WO02/096252	A1	2002-12-05	WO200296252

Abstract

(WO02/096252)

Device for preparing comestibles (61) with hot gaseous fluid directly in a dish (64) includes a gas-impermeable body (57), a fluid inlet (69) connected to a generator (32) for the pressurized hot gaseous fluid, a seal plate (53) around the body (57) for sealing to the top of the dish (64) to create a closed cooking chamber, a distributor having a plurality of orifices (63a-b) to convert the pressurized hot gaseous fluid into a plurality of jets to inject onto or into the comestibles (61) to cause uniform heating of the comestibles (61) in the dish. It also has an extendable member (12) for allowing the body (57) to move between a rest position and a cooking position in which the seal plate (53) and dish (64) are engaged. To improve cooking efficiency, the hot gaseous fluid is delivered to comestibles (61) in the form of pressure pulses, each comprising a pressurization period during which the hot gaseous fluid is forced into the pores in the comestibles (61) and a de-pressurization period during which the fluid is forced out of the pores.

Inventors

CAI EDWARD Z

Family 10/200 - FAMPAT - ©Questel

Title

(EP3349630)

Beverage preparation systems and methods

Images

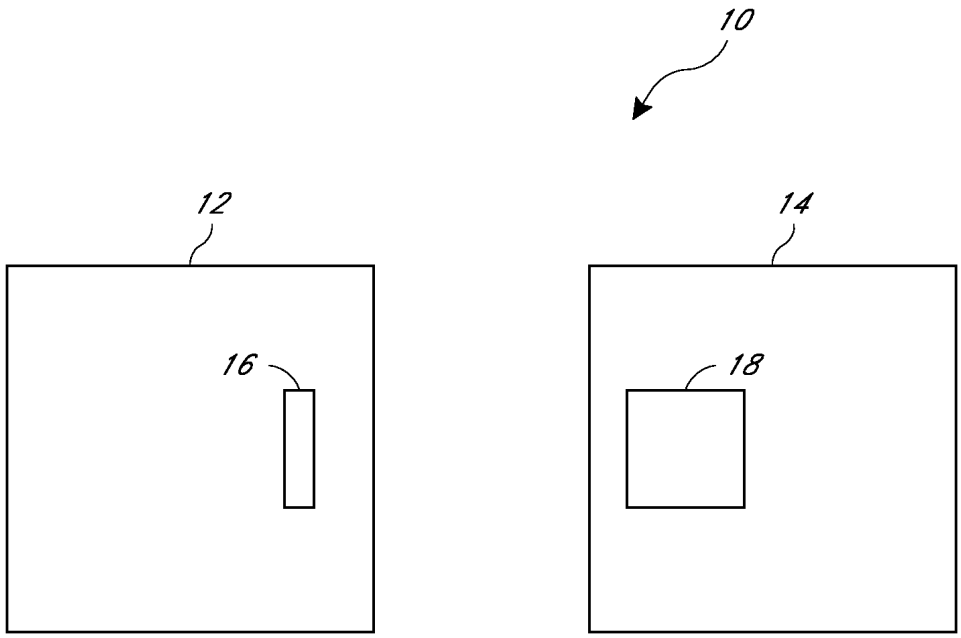


FIG. 1A

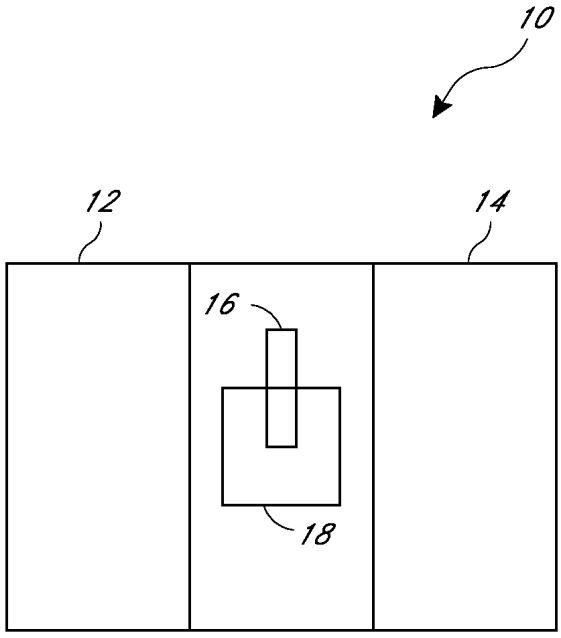


FIG. 1B

Publication data including kind & date

EP3349630	A4	2019-07-10	EP3349630
JP2018527116	A	2018-09-20	JP2018527116
EP3349630	A1	2018-07-25	EP3349630
MX2018003348	A	2018-05-30	MX2018003348
KR20180055858	A	2018-05-25	KR20180055858
CN108024667	A	2018-05-11	CN108024667
IN201837007252	A	2018-03-30	IN201837007252
AU2016322510	A1	2018-03-29	AU2016322510
TW201713252	A	2017-04-16	TW201713252
CA2998495	A1	2017-03-23	CA2998495
US20170079464	A1	2017-03-23	US20170079464
WO2017/048637	A1	2017-03-23	WO201748637



Abstract

(EP3349630)

Various beverage preparation systems and methods are disclosed. The beverage preparation system can include a container manipulation assembly having a support assembly and an elevator. The support assembly can be configured to receive a container. The elevator can be connected with the support assembly and can be configured to translate and/or rotate the support assembly. In some embodiments, the beverage preparation system includes a wand manipulation assembly having a wand unit and a mechanical linkage. The linkage can be configured to move the wand unit into and out of engagement with the container on the support assembly. The wand unit can provide a flow of fluid, such as steam, to liquid in the container to heat and/or froth the liquid.

Inventors

APONE DAN

KOLLER IZAAK

CUMMER MICHAEL

CROSSLAND WILLIAM GEORGE

Latest standardized assignees - inventors removed

STARBUCKS

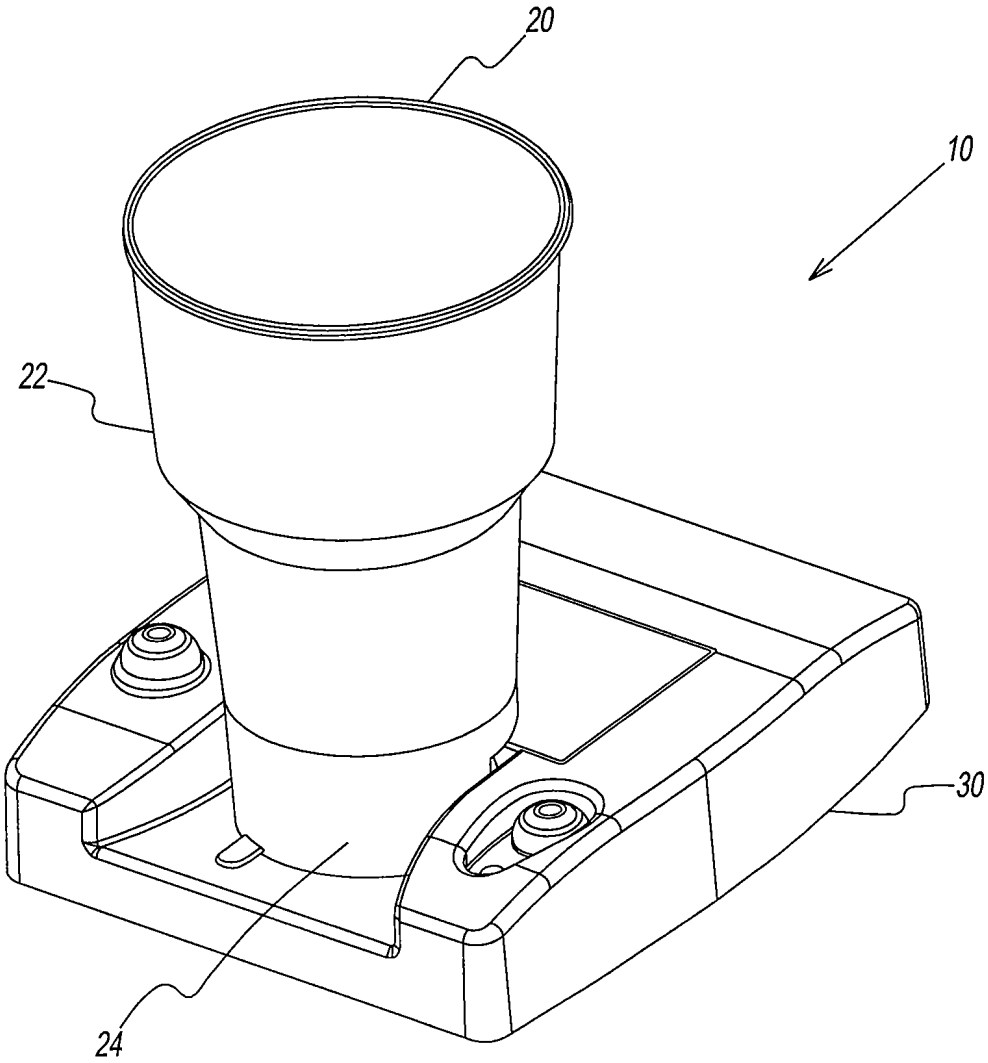
Family 11/200 - FAMPAT - ©Questel

Title

(EP2539229)

Dispensing system and method of controlling the system

Images



Publication data including kind & date

JP5890326	B2	2016-02-26	JP5890326
ZA201205972	B	2016-01-27	ZA201205972
US8997803	B2	2015-04-07	US8997803
AU2011218816	B2	2014-06-12	AU2011218816
EP2539229	A4	2014-06-11	EP2539229
JP2013520376	A	2013-06-06	JP2013520376
EP2539229	A1	2013-01-02	EP2539229
AU2011218816	A1	2012-08-30	AU2011218816
US20110240170	A1	2011-10-06	US20110240170
WO2011/106259	A1	2011-09-01	WO2011106259

Abstract

(EP2539229)

A dispensing system is provided that includes a vessel having a base portion with an aperture, and a dispenser containing a control system. The dispensing system controls the flow of a liquid into the vessel to provide for a rapid fill.

Inventors

FALLON BARRY

HANNIFFY PAUL

Latest standardized assignees - inventors removed

DELFIELD

CLEVELAND RANGE
GARLAND COMMERCIAL INDUSTRIES
APPLIANCE SCIENTIFIC
FRYMASTER
MANITOWOC
MANITOWOC BEVERAGE SYSTEMS

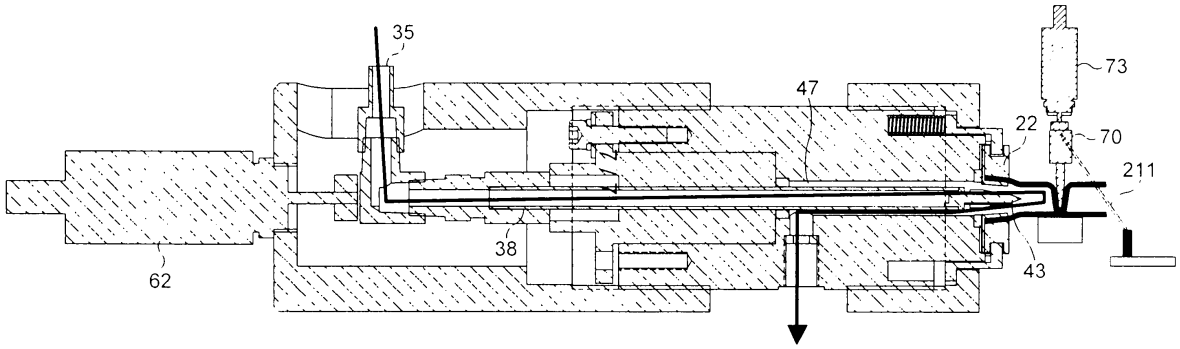
Family 12/200 - FAMPAT - ©Questel

Title

(EP1519892)

Sanitary manifold system and method for hygienically dispensing fluids

Images



Publication data including kind & date

TH48553	B	2016-03-11	TH--48553B
BR0312251	B1	2013-07-09	BR200312251
CA2490056	C	2012-10-09	CA2490056
BRPI0312251	A2	2011-03-01	BR200312251
US7708838	B2	2010-05-04	US7708838
JP4443405	B2	2010-01-22	JP4443405
DE60319828	T2	2009-03-05	DE60319828
MY136054	A	2008-08-29	MY-136054
ES2301822	T3	2008-07-01	ES2301822
DE60319828	D1	2008-04-30	DE60319828
AT389613	T	2008-04-15	ATE389613
RU2320530	C2	2008-03-27	RU2320530
EP1519892	B1	2008-03-19	EP1519892
NZ537804	A	2007-09-28	NZ-537804
HK1077286	A1	2007-09-21	HK1077286
CN1321053	C	2007-06-13	CN1321053C
TWI276403	B	2007-03-21	TWI276403
US20060254621	A1	2006-11-16	US20060254621
US7121287	B2	2006-10-17	US7121287
JP2005531466	A	2005-10-20	JP2005531466
CN1665740	A	2005-09-07	CN1665740
RU2005102074	A	2005-07-10	RU2005102074
BR0312251	A	2005-04-26	BR200312251
BRPI0312251	A1	2005-04-26	BRPI0312251
EP1519892	A2	2005-04-06	EP1519892
AR040313	A1	2005-03-23	AR--40313
MXPA04011989	A	2005-03-07	MX2004PA011989

TW200418390	A	2004-10-01	TW200418390
TH61827	A	2004-04-30	TH--61827
WO2004/002875	A3	2004-02-19	WO200402875
AU2003242700	A1	2004-01-19	AU2003242700
CA2490056	A1	2004-01-08	CA2490056
WO2004/002875	A2	2004-01-08	WO200402875
US20040001906	A1	2004-01-01	US20040001906

Abstract

(EP1519892)

The present invention relates to the dispensing of a microbiologically sensitive fluid, in particular low acid food fluid, in a hygienic manner so as to avoid micro-organism growth in the line dispensing the fluid as well as in any mechanical components of a dispensing unit that may enter into contact with the fluid. The invention relates to a device (3) for hygienically supplying microbiologically sensitive fluid from a removable container (20) that has a terminal connecting portion (21,22) to a dispensing unit. The device includes a coupling mechanism (66) adapted to connect the terminal connecting portion (22) and a component (43) for delivering a cleaning or rinsing fluid within the terminal connecting portion.

Inventors

CARHUFF PETER
DICKINSON EDWARD L
HARVEY ANDREW C
KOLVEK EDWARD M
MASU TAKESHI

Latest standardized assignees - inventors removed

NESTEC

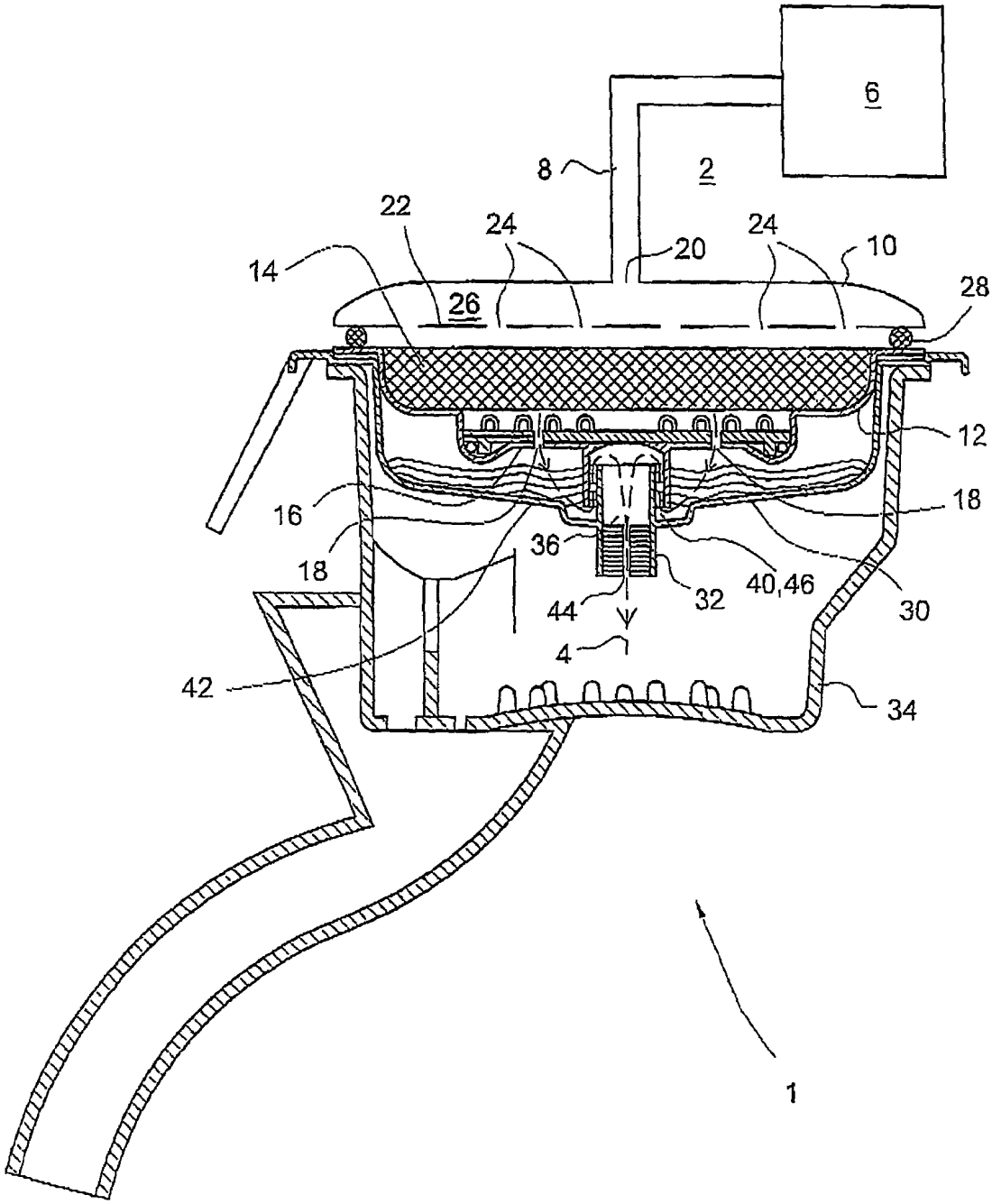
Family 13/200 - FAMPAT - ©Questel

Title

(EP1513433)

Apparatus and method for preparing coffee with a fine-bubble froth layer, in particular cappuccino

Images



Publication data including kind & date

BR0311736	B1	2014-11-11	BR200311736
BRPI0311736	B1	2014-11-11	BRPI0311736
BRPI0311736	A2	2013-03-05	BR200311736
US7762180	B2	2010-07-27	US7762180
CN1674816	B	2010-05-26	CN1674816B
JP4163683	B2	2008-08-01	JP4163683
DE60315452	T2	2008-06-05	DE60315452
ES2289296	T3	2008-02-01	ES2289296
DK1513433	T3	2007-12-03	DK1513433T
PT1513433	E	2007-11-16	PT1513433
AU2003241926	B2	2007-09-20	AU2003241926
DE60315452	D1	2007-09-20	DE60315452
AT369060	T	2007-08-15	ATE369060
EP1513433	B1	2007-08-08	EP1513433

JP2005529663	A	2005-10-06	JP2005529663
CN1674816	A	2005-09-28	CN1674816
US20050155494	A1	2005-07-21	US20050155494
EP1513433	A1	2005-03-16	EP1513433
BR0311736	A	2005-03-08	BR200311736
BRPI0311736	A1	2005-03-08	BRPI0311736
AU2003241926	A1	2003-12-31	AU2003241926
WO03/105641	A1	2003-12-24	WO2003105641
NL1020837	C2	2003-12-15	NL1020837



Abstract

(EP1513433)

An apparatus for preparing a beverage fit for consumption with a fine-bubble froth layer, in particular cappuccino. The invention provides a beverage unit (2), which under pressure dispenses a beverage to be processed to a beverage processing path (4), through which, in use, the beverage flows to obtain the beverage with the fine-bubble froth layer. The beverage processing path successively includes a nozzle (32) and a buffer reservoir (34), the nozzle being positioned relative to the buffer reservoir such that, in use, it generates a liquid jet squirting into the buffer reservoir to obtain the beverage with the fine-bubble froth layer. The buffer reservoir is provided with an outlet path (36) for discharging the beverage from the buffer reservoir, the liquid flow path, upstream of the nozzle, further including an additive holder (30) which, in use, can be filled with a product to be dissolved in the beverage, such as concentrated milk (68) or milk powder. In use, beverage leaving the beverage unit flows into the additive holder to dissolve the possible additive in the beverage. The additive holder is provided with an outlet path, via which the beverage is further transported from the additive holder to generate the jet of the beverage.

Inventors

BROUWER GUSTAAF FRANS

KRAAN DIEDERIK

Latest standardized assignees - inventors removed

DOUWE EGBERTS

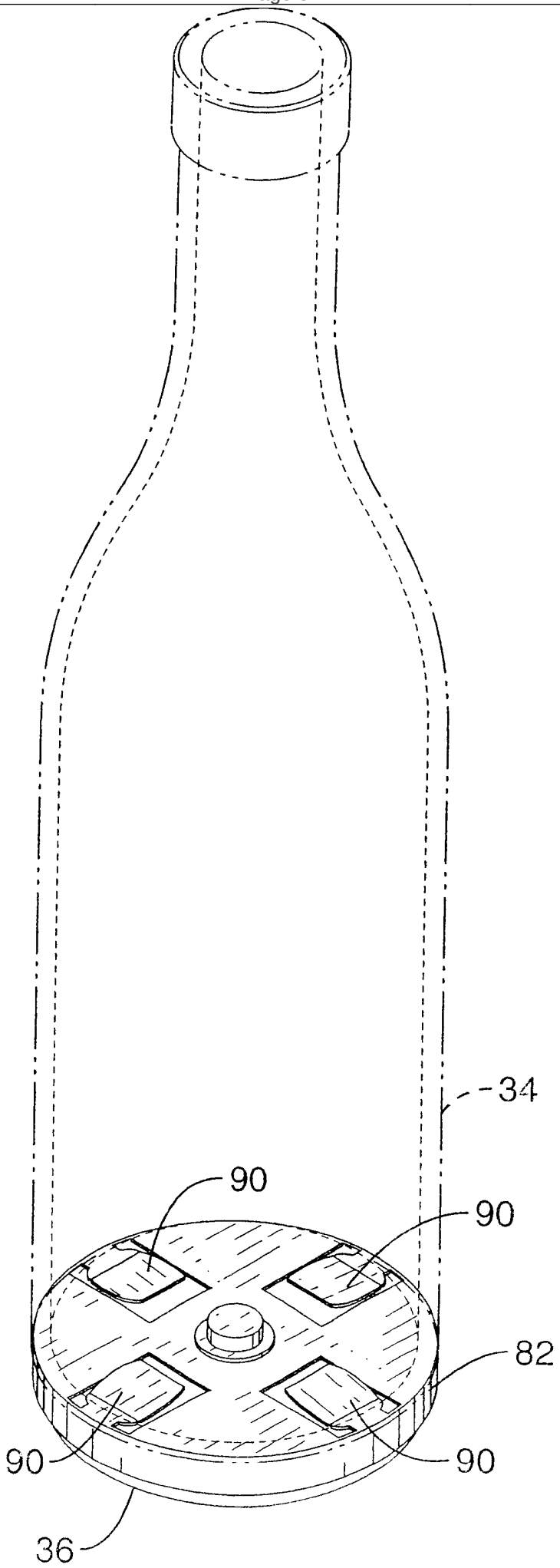
Family 14/200 - FAMPAT - ©Questel

Title

(EP1238403)

Beverage providing monitoring system, method and device

Images


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Publication data including kind & date

EP2266917	B1	2013-10-23	EP2266917
ES2350475	T3	2011-01-24	ES2350475
EP2266917	A1	2010-12-29	EP2266917
EP1238403	B8	2010-09-29	EP1238403
DE60044821	D1	2010-09-23	DE60044821
AT477581	T	2010-08-15	ATE477581
EP1238403	B1	2010-08-11	EP1238403
US7265673	B2	2007-09-04	US7265673
US20070146154	A1	2007-06-28	US20070146154
US7202780	B2	2007-04-10	US7202780
US7196624	B2	2007-03-27	US7196624
US20050237213	A1	2005-10-27	US20050237213
US20050200490	A1	2005-09-15	US20050200490
US20050096855	A1	2005-05-05	US20050096855
US20030071725	A1	2003-04-17	US20030071725
US6504481	B2	2003-01-07	US6504481
EP1238403	A2	2002-09-11	EP1238403
US20020070861	A1	2002-06-13	US20020070861
WO01/43096	A3	2002-02-14	WO200143096
AU2072901	A	2001-06-18	AU200120729
WO01/43096	A2	2001-06-14	WO200143096

Abstract

(EP1238403)

A system, method, and device for monitoring the dispensing of liquids, in particular, beverages dispensed at a bar or restaurant is disclosed. The device attaches to the exterior of a container and detects dispensing events by sensing tilt or motion of the container, which could include a bottle or a handle. The system includes an electronic sensor device, data receiver, personal computer, bottle opener/camera system, bar code scanner, point of sale, bar camera, network, Web server, and paging system. The method automatically detects and monitors dispensing events, including detecting the type and amount of liquid, reconciling dispensing events with register ring-ups, recording information, saving video specific to the dispensing event, and sending a page indicating anomalies.

Inventors

TELLER DAVID M

Latest standardized assignees - inventors removed

BEVERAGE METRICS HOLDING

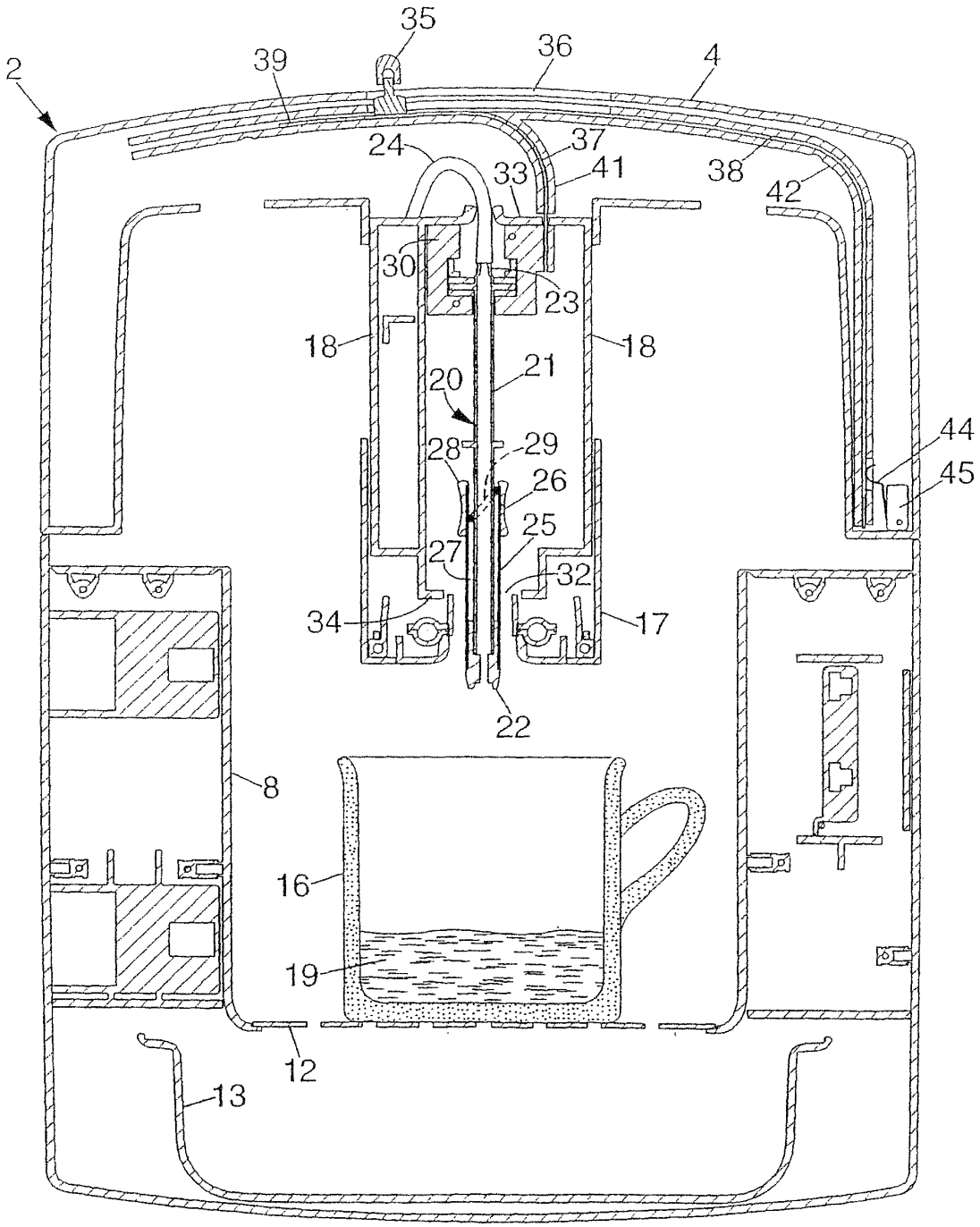
Family 15/200 - FAMPAT - ©Questel

Title

(EP1833339)

Coffee machine provided with a steam nozzle

Images



Publication data including kind & date

US8047125	B2	2011-11-01	US8047125
US20090301310	A1	2009-12-10	US20090301310
DE602005013115	D1	2009-04-16	DE602005013115
AT424132	T	2009-03-15	ATE424132
EP1833339	B1	2009-03-04	EP1833339
EP1833339	A1	2007-09-19	EP1833339
FR2879426	B1	2007-02-23	FR2879426
WO2006/067313	A1	2006-06-29	WO200667313
FR2879426	A1	2006-06-23	FR2879426

Abstract

(EP1833339)

The inventive coffee machine is provided with a housing (2) comprising a coffee output (9, 10), a steam generator and a steam output nozzle (20) which is movable with respect to the housing and is provided with a free end (22) immersible into a cup. Said free end is introducible into a space under the coffee output (9, 10) and is translationally displaceable between

an elevated position in which said free end (22) is placed at least substantially at the level of the coffee output (9, 10) and a lower position in which said free end (22) is immersible into a cup which is positioned in such a way that it receives espresso coffee.

Inventors

BAZIN NICOLAS
MORIN GILLES
TURPIN ROMAIN
BRODIN DIDIER

Latest standardized assignees - inventors removed

SEB

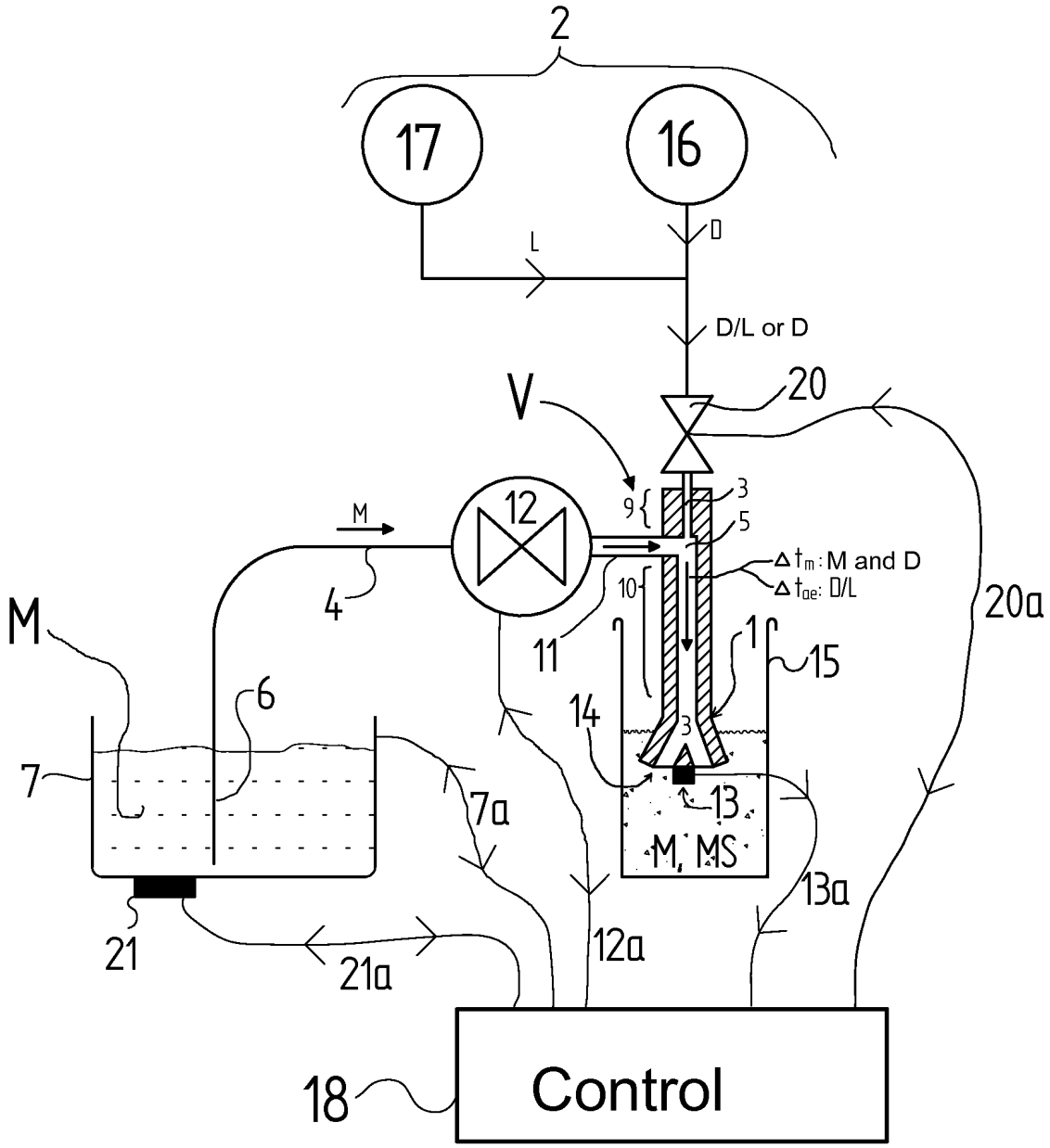
Family 16/200 - FAMPAT - ©Questel

Title

(EP2878241)

Electrically operated beverage-making machine, in particular electric coffee machine, with steam lance for foaming milk

Images



Publication data including kind & date

EP2878241	B1	2018-05-02	EP2878241
US9788686	B2	2017-10-17	US9788686
JP5926789	B2	2016-04-28	JP5926789
JP2015119960	A	2015-07-02	JP2015119960
US20150150408	A1	2015-06-04	US20150150408
EP2878241	A1	2015-06-03	EP2878241
DE102013224400	A1	2015-05-28	DE102013224400

Abstract

(EP2878241)

Electrically operated coffee machine, in particular espresso machine or fully automatic coffee machine, having a steam output device that can include a steam lance wherein the steam lance can include a milk inflow which is configured to supply milk into a steam output channel of the steam lance.

(From US9788686 B2)

Inventors

SCHLEE ALEXANDER

Latest standardized assignees - inventors removed

WMF

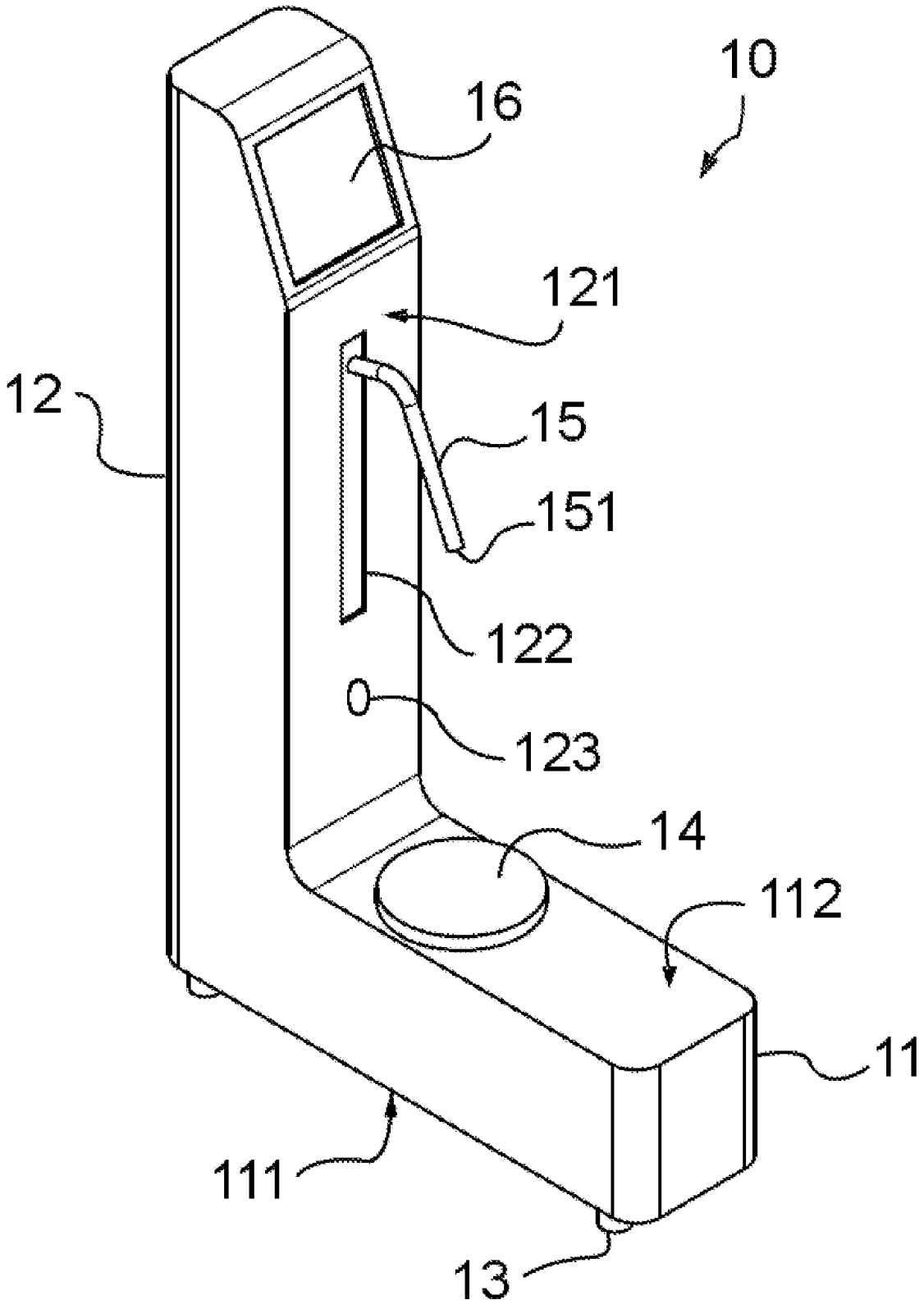
Family 17/200 - FAMPAT - ©Questel

Title

(EP3220787)

Device for processing liquids through steam

Images



Publication data including kind & date

US20170359996	A1	2017-12-21	US20170359996
JP2017534405	A	2017-11-24	JP2017534405
EP3220787	A1	2017-09-27	EP3220787
CN107072433	A	2017-08-18	CN107072433
AU2015348997	A1	2017-05-18	AU2015348997
BE1022934	A1	2016-10-20	BE1022934

CA2967743	A1	2016-05-26	CA2967743
WO2016/079680	A1	2016-05-26	WO201679680

Abstract

(EP3220787)

Device (10), comprising a platform (14) for placing a vessel (9) containing the liquid, a pipe (15) with an open end (151) configured for supplying steam to the vessel, a driving device (17) configured to actuate a relative movement between the end of the pipe and the platform, means (140) for determining a liquid level of the liquid in the vessel, and a control unit (18). The control unit is configured to actuate the driving device (17) so that a relative initial position between the end of the pipe and the platform is assumed on the basis of the liquid level. The means (140) for determining the liquid level comprise a weighing device. The control unit is then configured to determine the liquid level from the weight.

Inventors

ADRIAENS JAN

Latest standardized assignees - inventors removed

SCHUILENBURG

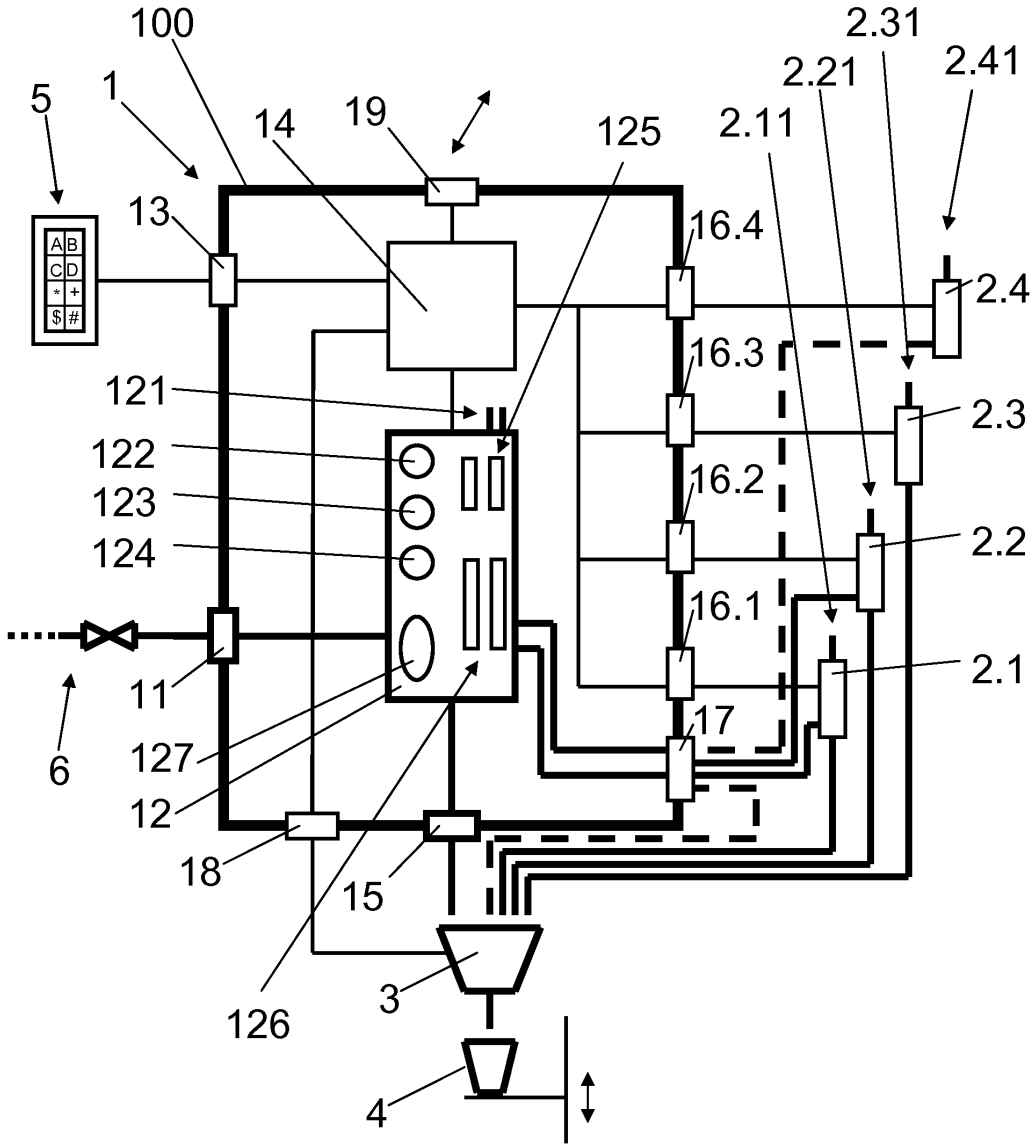
Family 18/200 - FAMPAT - ©Questel

Title

(EP2816936)

SELF-SERVICE BEVERAGE DISPENSING MACHINE with BEVERAGE PREPARATION MODULE

Images



Publication data including kind & date

US10390653	B2	2019-08-27	US10390653
IN6500/CHENP/2014	A	2016-07-01	IN2014CN06500
US20150027315	A1	2015-01-29	US20150027315
EP2816936	A1	2014-12-31	EP2816936
CN104244778	A	2014-12-24	CN104244778
CH706133	A1	2013-08-30	CH-706133
WO2013/124188	A1	2013-08-29	WO2013124188

Abstract

(EP2816936)

The invention relates to a beverage preparation module (1) intended for installation in a self-service beverage vending machine (7). According to the invention, a water connection (11) and a preparation device (12) for preparing a beverage by means of water provided at the water connection (11) are provided. Beverage preparation parameters can be transmitted to a control unit (14) via a communication interface (13). The control unit (14) is configured to control the preparation device (12) in order to prepare a beverage based on the beverage preparation parameters. A beverage outlet (15) for discharging the beverage prepared by the preparation device (12) is provided. In one embodiment, at least one additional module interface (16.1, 16.2, 16.3, 16.4) is provided for connecting the control unit (14) to at least one additional module (2.1, 2.2,

2.3, 2.4).

Inventors

LÜSSI ANDRÉ

MOSIMANN BRUNO

EGLI PETER

AEBERHARD BRUNO

Latest standardized assignees - inventors removed

SCHAERER

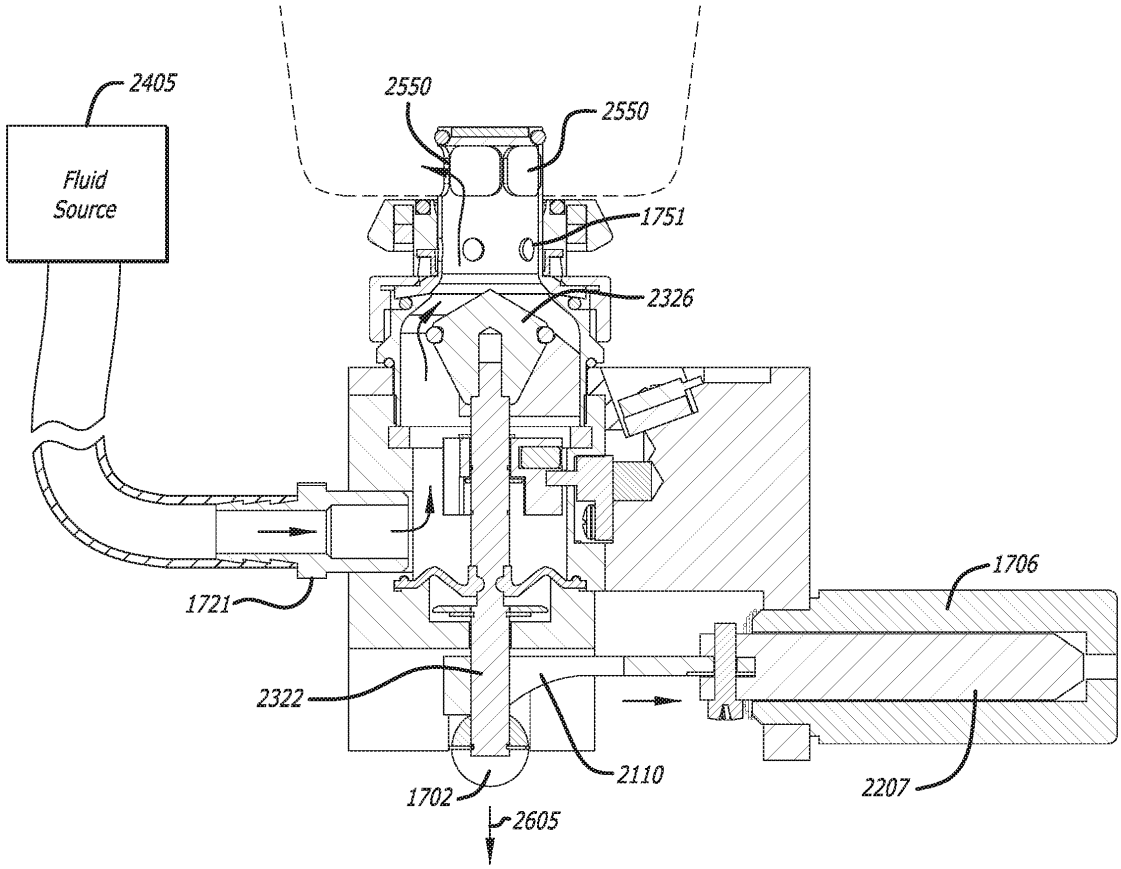
Family 19/200 - FAMPAT - ©Questel

Title

(US20190177149)

Fluid Transfer Assembly And Methods Of Fluid Transfer

Images



Publication data including kind & date

US20190177149	A1	2019-06-13	US20190177149
US10207910	B2	2019-02-19	US10207910
US20160376141	A1	2016-12-29	US20160376141
US9440835	B2	2016-09-13	US9440835
US20140332113	A1	2014-11-13	US20140332113

Abstract

(US20190177149)

A method of providing a beverage, including obtaining a beverage container, accessing a dispensing system, entering a volume amount into a user interface, placing the beverage container on a nozzle, and filling the beverage container with the beverage. The beverage container may include a bottom surface including an opening, a ring including a first magnetic material, the ring connected to the bottom surface around the opening, and a cap including a second magnetic material, the

cap magnetically coupled to the ring in a beverage container closed position. The dispensing system may include the user interface, a platform including one or more ports, and the nozzle provided in each of the one or more ports. The method may further include moving a translating member with respect to a shaft to position a plurality of apertures in an interior of the beverage container.

Inventors

SPRINGER JOSHUA

Latest standardized assignees - inventors removed

GRINON INDUSTRY

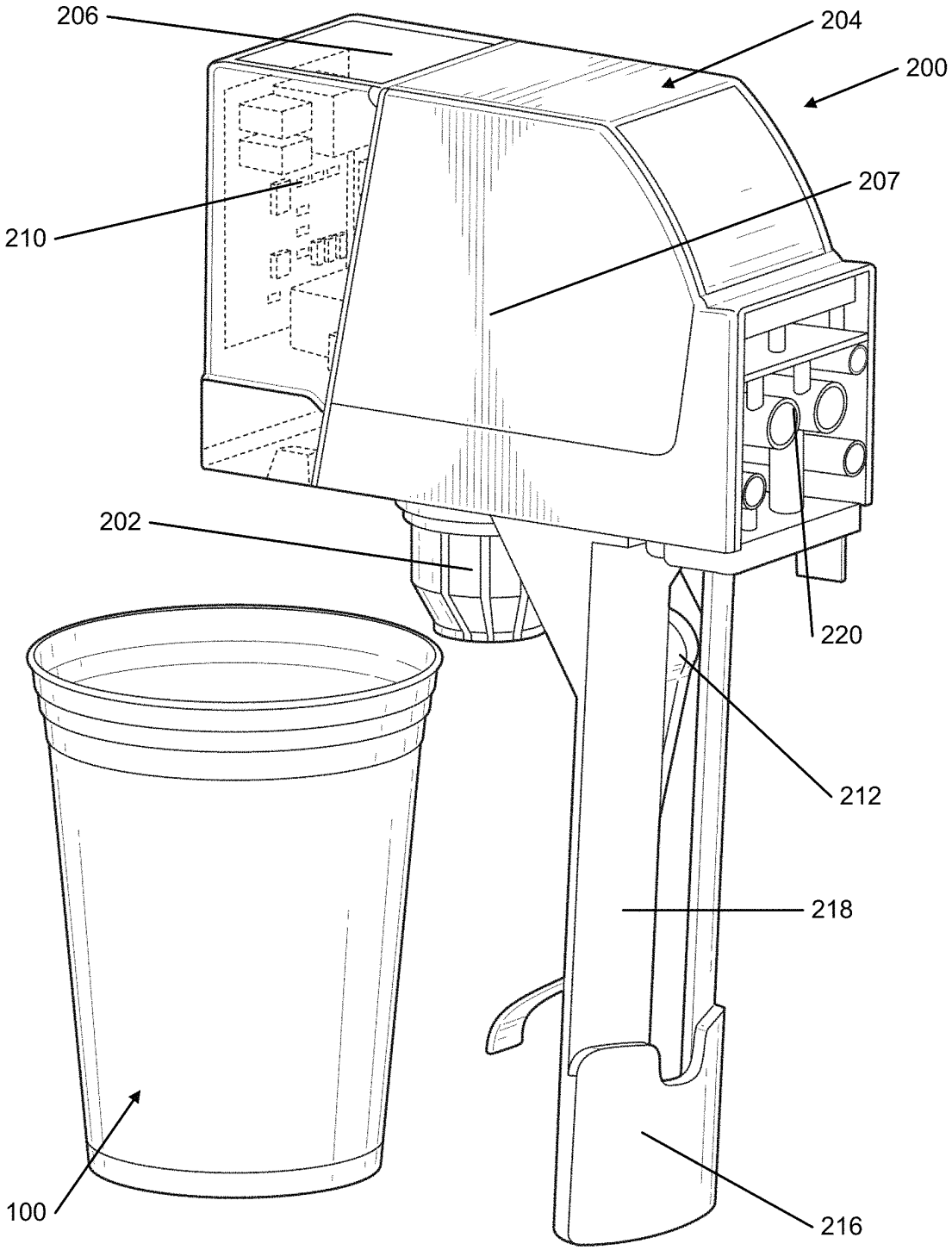
Family 20/200 - FAMPAT - ©Questel

Title

(EP2396271)

Beverage dispense valve controlled by wireless technology

Images



Publication data including kind & date

US10315907	B2	2019-06-11	US10315907
CA2737935	C	2017-10-24	CA2737935
US20170283244	A1	2017-10-05	US20170283244
US9708170	B2	2017-07-18	US9708170
US20160096715	A1	2016-04-07	US20160096715
US9212040	B2	2015-12-15	US9212040
US20150053715	A1	2015-02-26	US20150053715
US8910674	B2	2014-12-16	US8910674
EP2396271	A2	2011-12-21	EP2396271
MX2011003456	A	2011-05-02	MX2011003456
WO2010/093747	A3	2010-12-02	WO201093747

CA2737935	A1	2010-08-19	CA2737935
CA2977461	A1	2010-08-19	CA2977461
WO2010/093747	A2	2010-08-19	WO201093747
US20100200110	A1	2010-08-12	US20100200110

Abstract

(EP2396271)

Methods and systems directed to dispensing fluids, such as beverages, using wireless technology are provided. Aspects relate to a container, such as a beverage cup, having a wireless transceiver configured to transmit and/or receive wireless signals to a second wireless transceiver associated with a dispenser. The wireless transceiver may be configured to transmit electronic signals indicative that the container is validated to receive a beverage and whether it is properly located to receive the beverage from a valve of the dispenser. Further aspects of the invention relate to a beverage dispensing system having a wireless transceiver. In one embodiment, the dispenser is configured to receive a return signal from a container indicative that the container is validated to receive a beverage and whether the container is properly located to receive a beverage from a valve of the dispenser.

Inventors

SEGIET WILLIAM W

GRAY ALEX L

UBIDIA FERNANDO A

STEIN AARON M

LEWIS JOHN F

Latest standardized assignees - inventors removed

PEPSICO

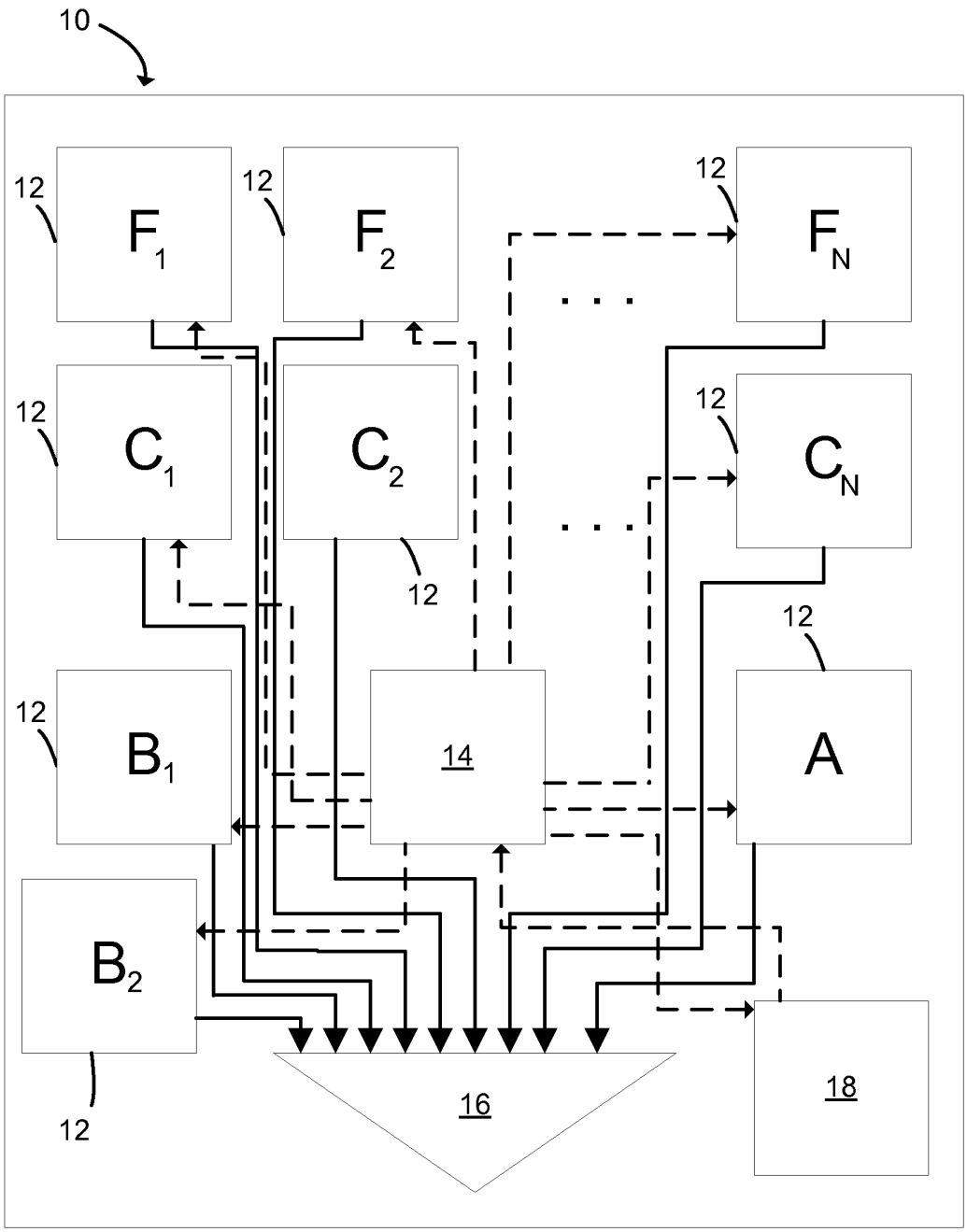
Family 21/200 - FAMPAT - ©Questel

Title

(EP2198409)

Method and apparatuses for providing a selectable beverage

Images



Publication data including kind & date

IN306919	B	2019-02-06	IN-306919
US10046959	B2	2018-08-14	US10046959
JP6329295	B2	2018-05-23	JP6329295
EP3242277	A1	2017-11-08	EP3242277
JP2017124869	A	2017-07-20	JP2017124869
CN103462499	B	2017-06-06	CN103462499B
JP6130410	B2	2017-05-17	JP6130410
BRPI0816441	A2	2017-05-16	BR200816441
CN103473856	B	2017-03-01	CN103473856B
AU2014202685	B2	2016-03-17	AU2014202685
JP2015071460	A	2015-04-16	JP2015071460
JP5685083	B2	2015-01-23	JP5685083

US20140361035	A1	2014-12-11	US20140361035
US8814000	B2	2014-08-26	US8814000
AU2014202685	A1	2014-06-12	AU2014202685
AU2008296471	B2	2014-02-20	AU2008296471
CN103462499	A	2013-12-25	CN103462499
CN103473856	A	2013-12-25	CN103473856
US20130240559	A1	2013-09-19	US20130240559
CN101855657	B	2013-08-21	CN101855657B
US8434642	B2	2013-05-07	US8434642
EP2562728	A1	2013-02-27	EP2562728
EP2535879	A1	2012-12-19	EP2535879
RU2462758	C2	2012-09-27	RU2462758
US20120223096	A1	2012-09-06	US20120223096
US8162176	B2	2012-04-24	US8162176
RU2010110467	A	2011-10-20	RU2010110467
JP2010537909	A	2010-12-09	JP2010537909
ZA201001758	B	2010-11-24	ZA201001758
CN101855657	A	2010-10-06	CN101855657
IN1792/DELNP/2010	A	2010-08-13	IN2010DN01792
EP2198409	A1	2010-06-23	EP2198409
MX2010002290	A	2010-04-01	MX2010002290
AU2008296471	A1	2009-03-12	AU2008296471
US20090069932	A1	2009-03-12	US20090069932
WO2009/032686	A1	2009-03-12	WO200932686

Abstract

(EP2198409)

Methods and apparatuses for providing a selectable beverage from a post-mix beverage dispenser are provided. In one embodiment, the method for providing a beverage having a separately selected color from a post-mix beverage dispensing system comprises: (a) providing at least two beverage bases for dispense from the post-mix beverage dispensing system; (b) separately storing at least two colorants in the post-mix beverage dispensing system; (c) receiving a request for a selected beverage base and the separately selected color with a computer processor; and (d) in response to the selection of the selected beverage base and the separately selected color, automatically dispensing through a single faucet of the post-mix beverage dispensing system, continuously in a predetermined ratio for any volume of the beverage dispensed, the selected beverage base and at least one of the colorants to provide the beverage having the separately selected color.

Inventors

RUDICK ARTHUR G

Latest standardized assignees - inventors removed

COCA COLA

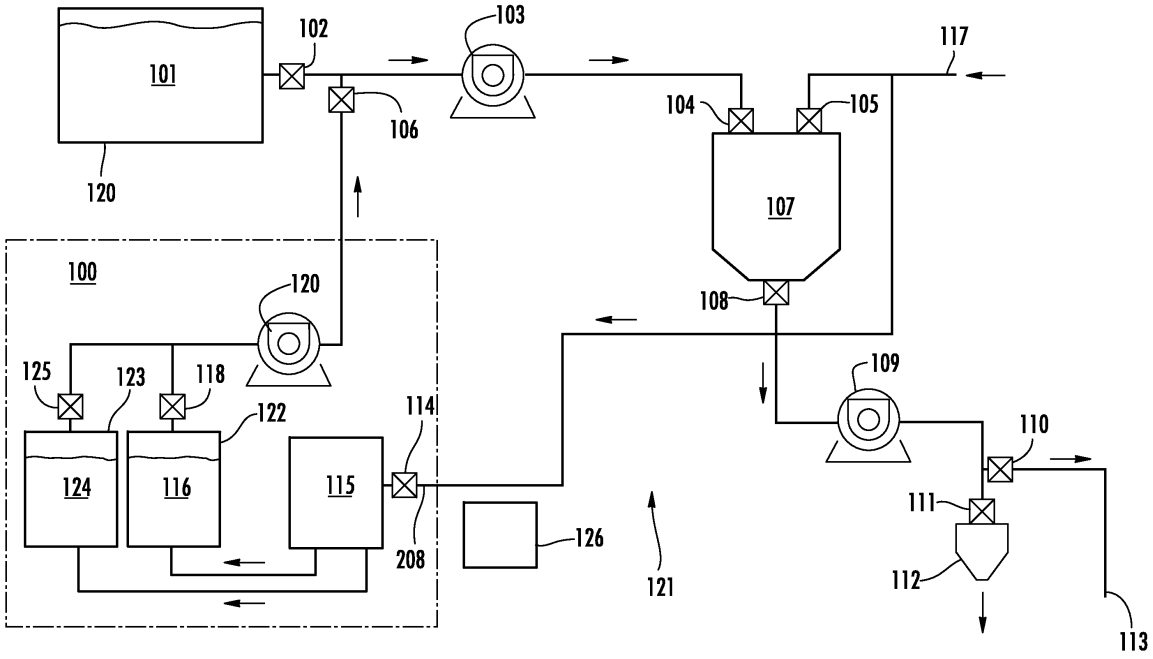
Family 22/200 - FAMPAT - ©Questel

Title

(WO201367032)

Dispensing machine sanitization using electrochemically activated liquid

Images



Publication data including kind & date

US10308495	B2	2019-06-04	US10308495
US20150360925	A1	2015-12-17	US20150360925
US9144346	B2	2015-09-29	US9144346
WO2013/067032	A1	2013-05-10	WO201367032
US20130104743	A1	2013-05-02	US20130104743

Abstract

(WO2013/067032)

An apparatus comprises a dispensing system (121) and a sanitizing system (100). The apparatus has a dispensing mode and sanitizing mode. The dispensing system may comprise a first valve (102) and at least one component, the at least one component comprising an inner surface. The first valve has an open position to send a free-flowing material to the at least one component when the apparatus is in the dispensing mode, in a closed position when the combination is in the sanitizing mode. The sanitizing system comprises a processing unit, having an electrochemical cell (115) configured to produce an anolyte solution (116) and a catholyte solution (124). The sanitizing system comprises a second valve (106) having an open position to send the anolyte solution (116) and the catholyte solution (124) to the at least one component when the apparatus is in the sanitizing mode. The second valve (106) has a closed position when the apparatus is in the dispensing mode.

Inventors

DEO INDRANI

FALKOV DMITRY

MARTSINOVSKIY GEORGY

MARKOSOV SERGEI

VERBITSKY MIKHAIL

Latest standardized assignees - inventors removed

GENERAL 3

PEPSICO

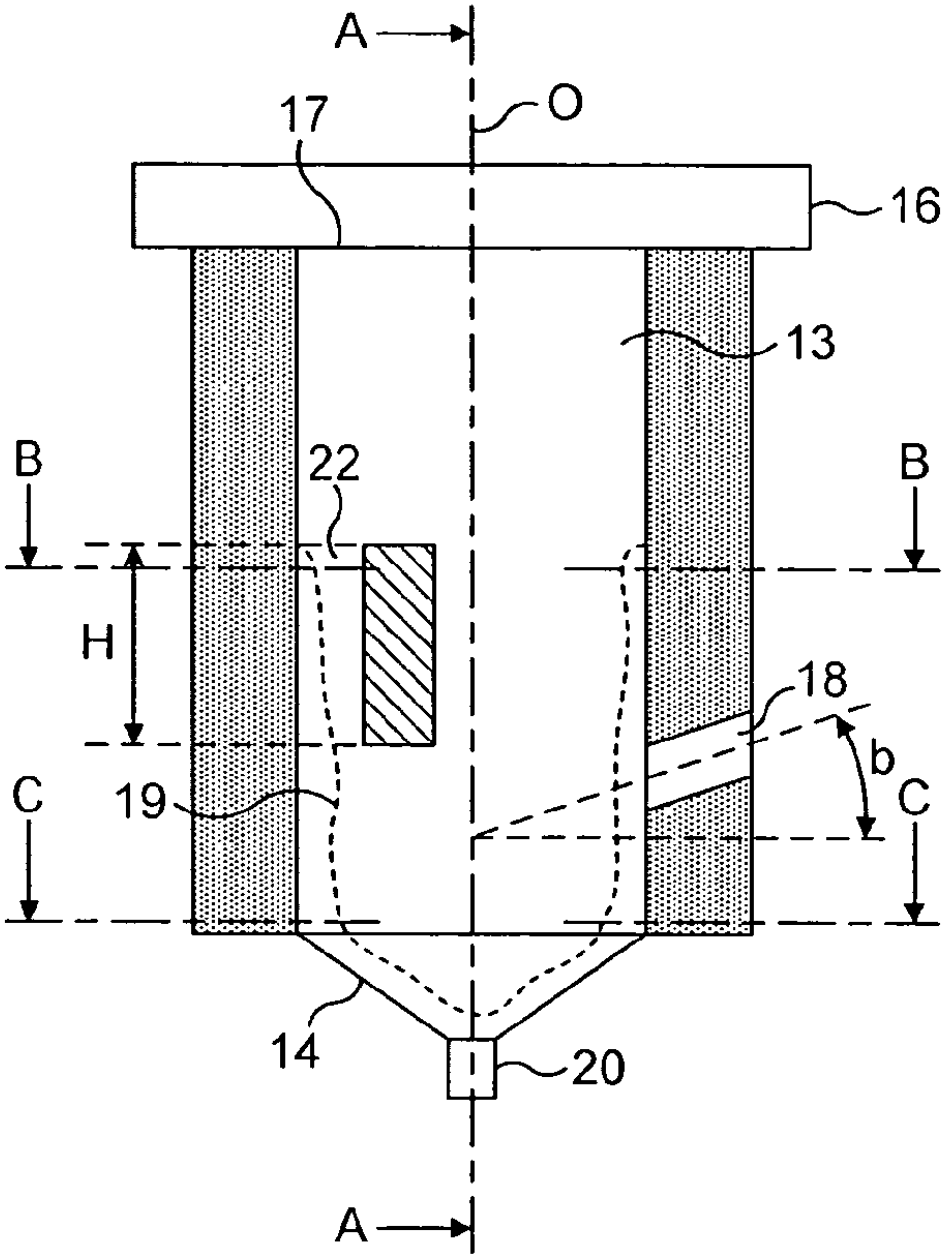
Family 23/200 - FAMPAT - ©Questel

Title

(EP1932457)

Device and method for producing a frothed liquid from soluble ingredients and diluent

Images



Publication data including kind & date

ES2673879	T3	2018-06-26	ES2673879
MX355514	B	2018-04-20	MX-355514
MX355516	B	2018-04-20	MX-355516
EP2907428	B1	2018-04-11	EP2907428
MY162226	A	2017-05-31	MY-162226
US9408495	B2	2016-08-09	US9408495
US9307859	B2	2016-04-12	US9307859
ES2545199	T3	2015-09-09	ES2545199
EP2907428	A1	2015-08-19	EP2907428
EP2653080	B1	2015-07-29	EP2653080
CA2673279	C	2015-06-02	CA2673279
EP2653081	B1	2015-05-20	EP2653081
US20150128812	A1	2015-05-14	US20150128812

US20150110936	A1	2015-04-23	US20150110936
EP2653407	B1	2015-03-11	EP2653407
US8960079	B2	2015-02-24	US8960079
TWI459921	B	2014-11-11	TWI459921
AU2007332588	B2	2014-09-11	AU2007332588
JP5422391	B2	2013-11-29	JP5422391
ES2430293	T3	2013-11-19	ES2430293
EP2653080	A1	2013-10-23	EP2653080
EP2653081	A1	2013-10-23	EP2653081
EP2653407	A1	2013-10-23	EP2653407
EP2091393	B1	2013-08-21	EP2091393
RU2462977	C2	2012-10-10	RU2462977
CN101600378	B	2012-07-04	CN101600378B
RU2009126593	A	2011-01-20	RU2009126593
ZA200904862	B	2010-09-29	ZA200904862
US20100173057	A1	2010-07-08	US20100173057
JP2010512207	A	2010-04-22	JP2010512207
CN101600378	A	2009-12-09	CN101600378
EP2091393	A1	2009-08-26	EP2091393
MX2009006128	A	2009-08-26	MX2009006128
AR064290	A1	2009-03-25	AR--64290
TW200911186	A	2009-03-16	TW200911186
PE16192008	A1	2008-12-05	PE200801619
UY30777	A1	2008-07-03	UY--30777
AU2007332588	A1	2008-06-19	AU2007332588
CA2673279	A1	2008-06-19	CA2673279
WO2008/071613	A1	2008-06-19	WO200871613
EP1932457	A1	2008-06-18	EP1932457

Abstract

(EP1932457)

Device for producing a frothed liquid comprising a chamber 13 opened to atmosphere with a transverse bottom wall 14 and a longitudinal upward wall 15, at least one diluent inlet 18, at least one liquid delivery outlet 20, wherein the diluent inlet is provided through the upward wall and is dimensioned and oriented for directing a thin jet of diluent in the chamber, and wherein the at least one liquid delivery outlet is configured in the bottom wall for liquid to rise up along the side of the upward wall by the jet of diluent entering the chamber as a result of the direction and dimension of the diluent inlet in the chamber.

Inventors

GUGERLI RAPHAEL

THULIEZ JEAN-LUC

KISSLING IWAN

Latest standardized assignees - inventors removed

NESTLE

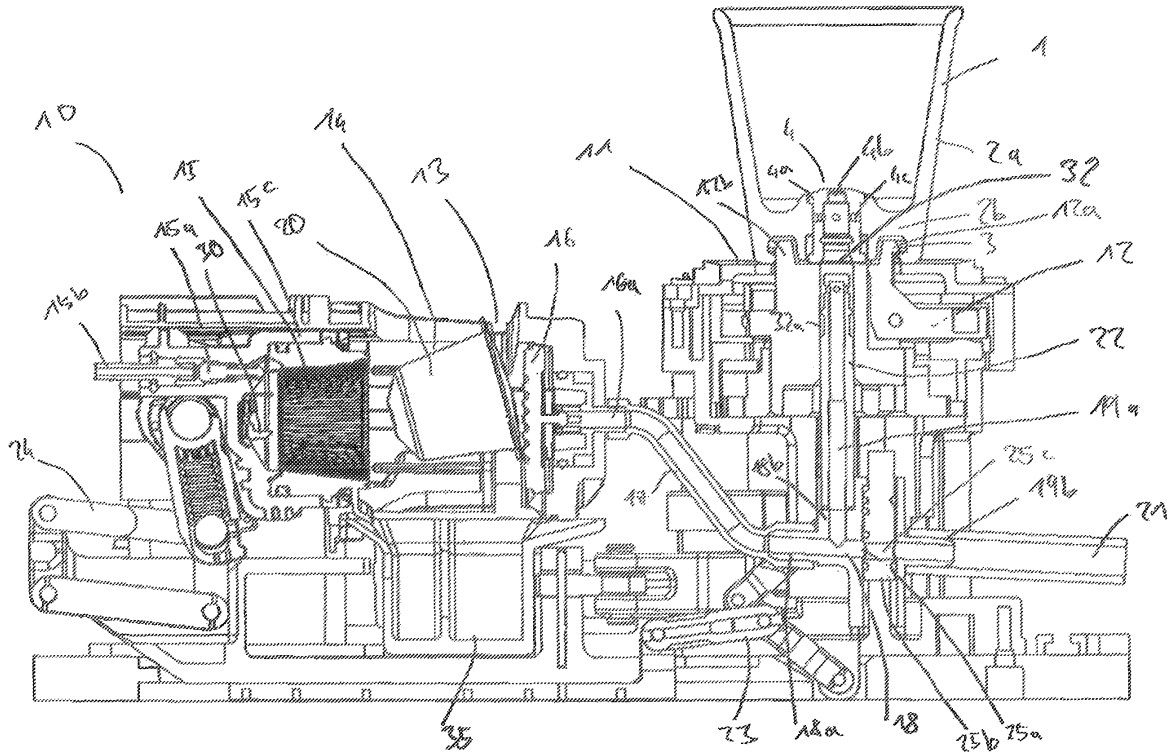
Family 24/200 - FAMPAT - ©Questel

Title

(EP2928347)

Beverage production device with enhanced receptacle injection means

Images



Publication data including kind & date

CN104968244	B	2018-09-18	CN104968244B
JP6356692	B2	2018-07-11	JP6356692
US9974412	B2	2018-05-22	US9974412
ES2665541	T3	2018-04-26	ES2665541
PT2928347	T	2018-04-16	PT2928347T
AU2013354034	B2	2018-03-01	AU2013354034
EP2928347	B1	2018-01-31	EP2928347
BR112015013057	A2	2017-07-11	BR112015013057
JP2016502446	A	2016-01-28	JP2016502446
IN4707/DELNP/2015	A	2015-11-27	IN2015DN04707
US20150320256	A1	2015-11-12	US20150320256
EP2928347	A1	2015-10-14	EP2928347
CN104968244	A	2015-10-07	CN104968244
BR112015013057	A1	2015-06-16	BR112015013057
AU2013354034	A1	2015-06-11	AU2013354034
CA2893567	A1	2014-06-12	CA2893567
WO2014/086915	A1	2014-06-12	WO201486915

Abstract

(EP2928347)

The invention proposes a device (10) for preparing a beverage from ingredients contained in a capsule (20), the device comprising: a brewing unit (14) designed for receiving the capsule (20) and preparing the beverage from the ingredients by means of injection of hot pressurized liquid into the capsule, receptacle support means (11) designed to support and to selectively connect to a receptacle (1) for receiving the resulting beverage, beverage delivery means (17, 19a) adapted to collect and/or guide the resulting beverage from the brewing unit (14) to the receptacle support means (11), and injection means (22) adapted to selectively open a portion of an outer wall (2a, 2b) of the receptacle (1) connected to the receptacle support means (11) and to establish a fluid communication between the beverage delivery means (17,19a) and the receptacle (1).

Inventors

KOLLEP ALEXANDRE

Latest standardized assignees - inventors removed

NESTLE

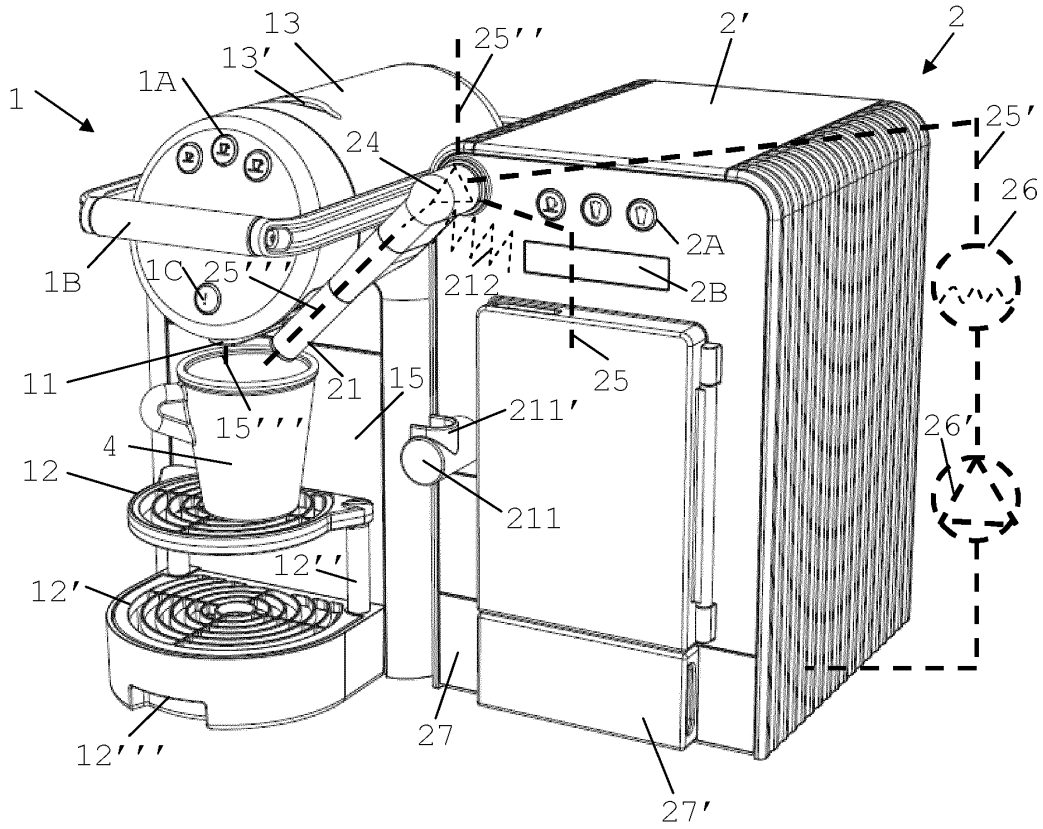
Family 25/200 - FAMPAT - ©Questel

Title

(EP2474254)

Modular beverage dispensing system

Images



Publication data including kind & date

CN103298383	B	2019-10-01	CN103298383B
US10178925	B2	2019-01-15	US10178925
BR112013017437	A2	2016-09-27	BR112013017437
JP5963771	B2	2016-07-08	JP5963771
AU2012204899	B2	2016-06-23	AU2012204899
RU2583904	C2	2016-05-10	RU2583904
ZA201305906	B	2015-03-25	ZA201305906
RU2013136827	A	2015-02-20	RU2013136827
IN5718/DELNP/2013	A	2014-12-05	IN2013DN05718
JP2014502901	A	2014-02-06	JP2014502901
BR112013017437	A1	2014-01-07	BR112013017437
EP2661201	A1	2013-11-13	EP2661201
US20130276636	A1	2013-10-24	US20130276636
CN103298383	A	2013-09-11	CN103298383
AU2012204899	A1	2013-07-04	AU2012204899

CA2821826	A1	2012-07-12	CA2821826
WO2012/093157	A1	2012-07-12	WO201293157
EP2474254	A1	2012-07-11	EP2474254

Abstract

(EP2474254)

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

Inventors

RITHENER BLAISE

CAHEN ANTOINE

Latest standardized assignees - inventors removed

NESTLE

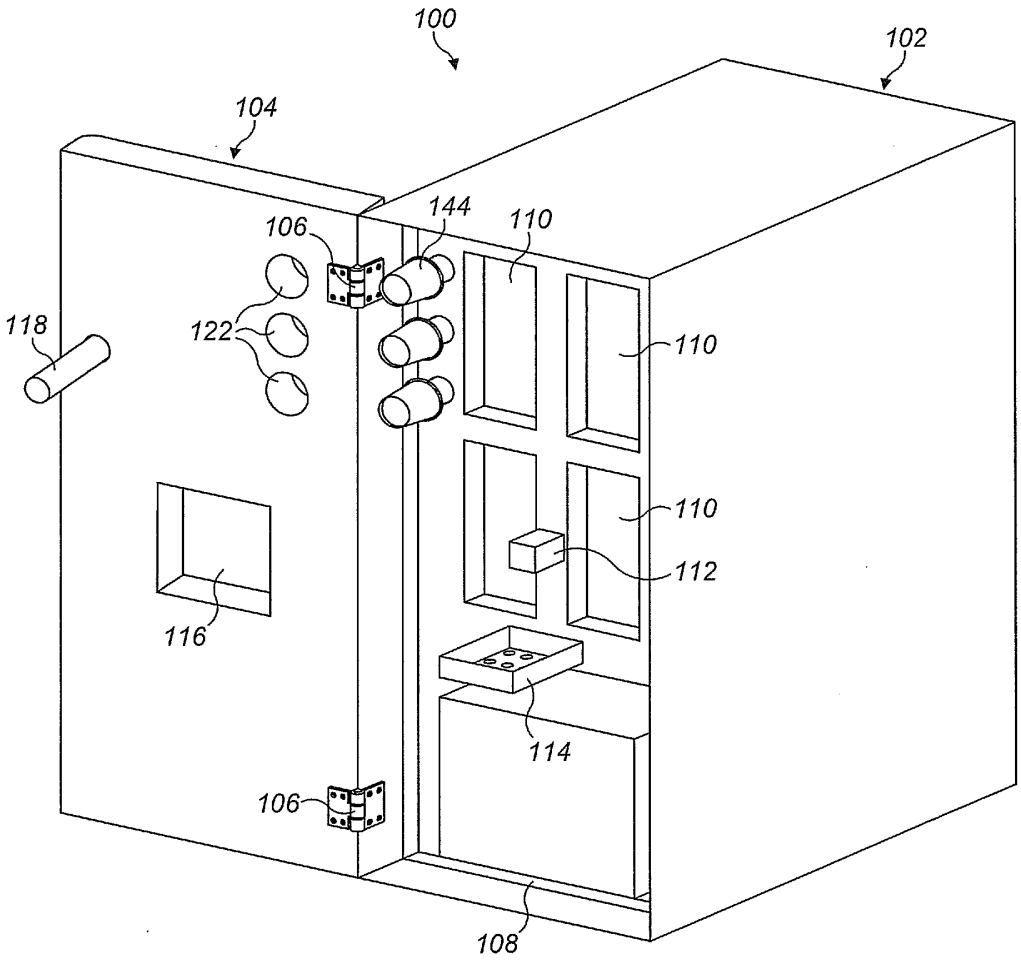
Family 26/200 - FAMPAT - ©Questel

Title

(EP2897509)

Beverage machine

Images



Publication data including kind & date

TWI623484	B	2018-05-11	TWI623484
HK1212873	A1	2016-06-24	HK1212873
AU2013347133	B2	2016-05-19	AU2013347133
EP2897509	B8	2016-05-18	EP2897509
EP2897509	B1	2016-04-06	EP2897509
JP2015535981	A	2015-12-17	JP2015535981
US20150245734	A1	2015-09-03	US20150245734
EP2897509	A2	2015-07-29	EP2897509
CN104717910	A	2015-06-17	CN104717910
AU2013347133	A1	2015-04-02	AU2013347133
WO2014/075833	A3	2014-07-10	WO201475833
TW201425200	A	2014-07-01	TW201425200
CA2920953	A1	2014-05-22	CA2920953
WO2014/075833	A2	2014-05-22	WO201475833

Abstract

(EP2897509)

An automated beverage machine for vending of hot, cool and cold beverages including coffee, tea, chocolate, flavoured beverages, milk beverages and cold/iced beverages is shown in Fig. 1 at (100). The machine provides improved utility, with simplified on-site installation, sophisticated power management, content and machine condition sensing and highly automated cleaning and waste disposal requiring minimal operator intervention. A fully modular system using modules (110) allows minimisation of repair downtime, as both predictive and reactive maintenance can be instituted by removal and

replacement of the designated module (110). The modular nature extends to the user interface provided on the front of the device which can be interchangeable allowing different "skins" to be presented. Optional automated and simplified cleaning allows minimal maintenance, and a highly automated and self cleaning internal waste removal system additionally reduces any downtime and user intervention requirements.

Inventors

ACHTMANN ERIC
STIRNIMANN RENE
GREEN ALAN
EGLI CONRADIN
JUNG JONAS
VOGELSANG BRUNO
MARTIN SCOTT

Latest standardized assignees - inventors removed

COSTA EXPRESS

Family 27/200 - FAMPAT - ©Questel

Title

(WO2018189073)
Beverage preparation device with beverage draining means

Images

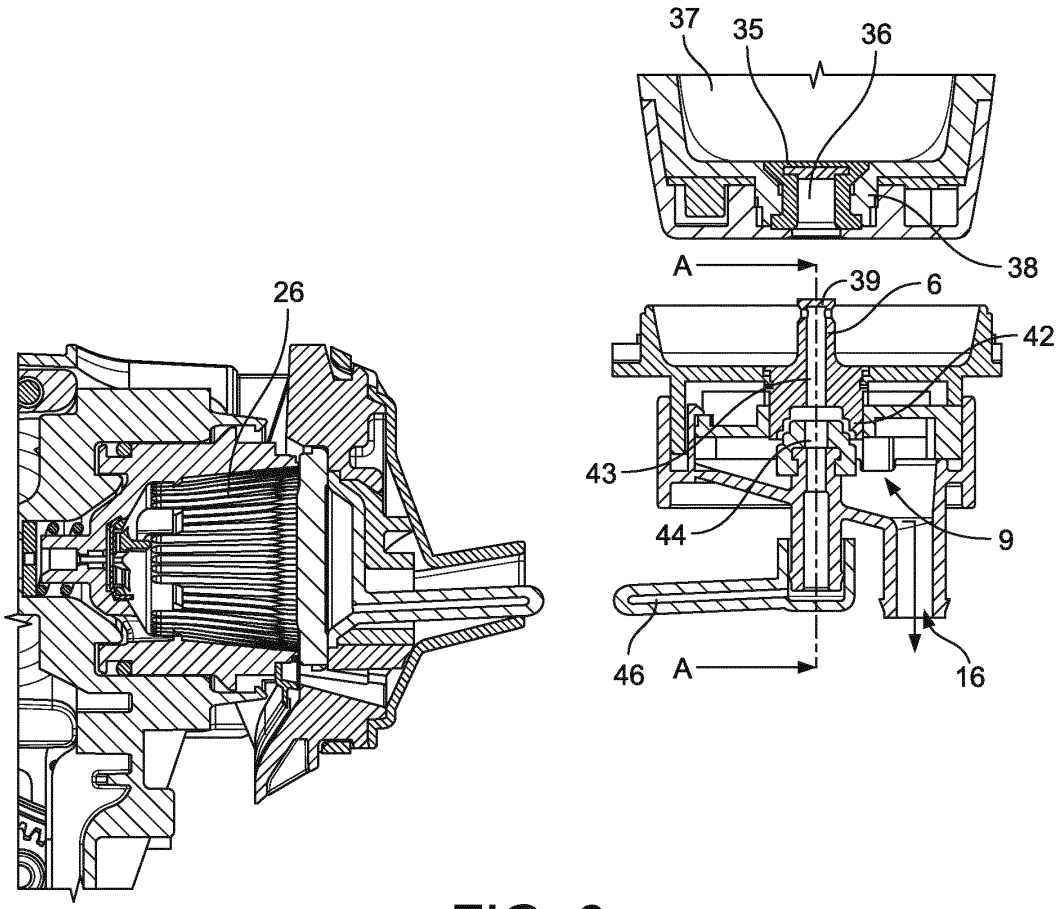


FIG. 6

Publication data including kind & date

WO2018/189073 A1 2018-10-18 WO2018189073

Abstract

(WO2018/189073)

Beverage preparation device (1) for preparing a beverage from a beverage dose (2) comprising: - a brewing unit (3) for receiving the dose (2) and preparing a beverage from the ingredients contained within the dose and pressurized liquid injected in the dose, - a pressure pump (4) for supplying pressurized liquid to the brewing unit (3), - beverage dispensing means (5) connected to the brewing unit and comprising a beverage injector (6) arranged for dispensing the beverage through a bottom (8) of a beverage receptacle (7); wherein the beverage dispensing means (5) comprises a residual beverage draining valve (9), between the beverage injector (6) and the brewing unit (3), which is arranged to be moved between a beverage dispensing position and a residual beverage draining position, wherein the residual beverage draining valve (9) and/or the beverage receptacle (7) comprise valve activation means (10) arranged to move the draining valve between a beverage dispensing position in response to the engagement of the bottom of the receptacle with the beverage injector and a residual beverage draining position in response to the removal of receptacle from the beverage injector (6).

Inventors

CROZIER ETIENNE
HEISEL GUILLAUME
HOFFET ADRIEN
MAGATTI MARCO
ROMAND DAMIEN
THULIEZ JEAN-LUC
ZIMMERMANN ROBIN

Latest standardized assignees - inventors removed

NESTEC

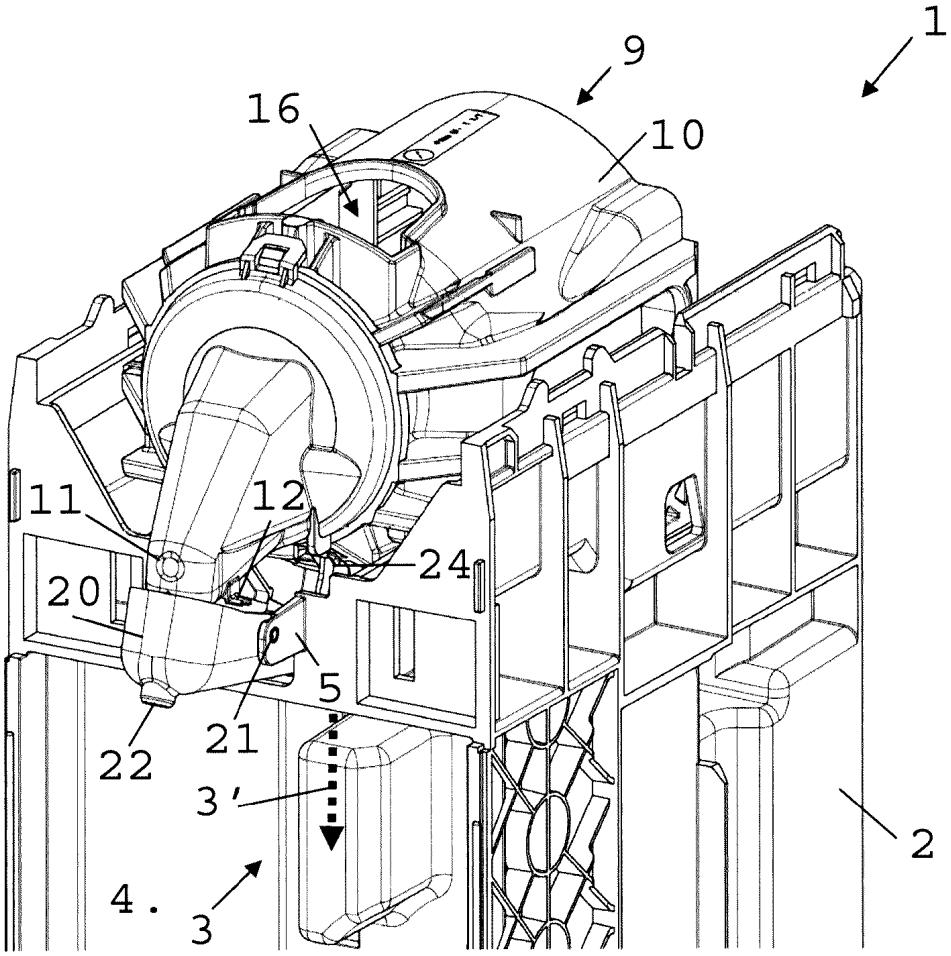
Family 28/200 - FAMPAT - ©Questel

Title

(EP2633789)

Beverage preparation machine with drop management

Images



Publication data including kind & date

BR112014020479	A8	2019-04-16	BR112014020479
BR112014020479	A8	2018-12-26	BR112014020479
BR112014020479	A8	2018-12-04	BR112014020479
PT2819559	T	2018-03-06	PT2819559T
US9901208	B2	2018-02-27	US9901208
ES2656233	T3	2018-02-26	ES2656233
EP2819559	B1	2017-12-13	EP2819559
CN104135901	B	2017-09-08	CN104135901B
BR112014020479	A8	2017-07-18	BR112014020479
JP6157510	B2	2017-07-05	JP6157510
BR112014020479	A2	2017-06-20	BR112014020479
RU2620957	C2	2017-05-30	RU2620957
AU2013225017	B2	2017-02-23	AU2013225017
RU2014138933	A	2016-04-20	RU2014138933
IN6380/DELNP/2014	A	2015-11-13	IN2014DN06380
JP2015507994	A	2015-03-16	JP2015507994
US20150040771	A1	2015-02-12	US20150040771
EP2819559	A1	2015-01-07	EP2819559
CN104135901	A	2014-11-05	CN104135901
BR112014020479	A1	2014-10-21	BR112014020479

AU2013225017	A1	2014-08-14	AU2013225017
CA2865042	A1	2013-09-06	CA2865042
WO2013/127907	A1	2013-09-06	WO2013127907
EP2633789	A1	2013-09-04	EP2633789

Abstract

(EP2633789)

A machine (1) for preparing a beverage (4¹) comprises a frame (2) and a beverage preparation module (9) supported by the frame, the module (9) having a part (10) that is movable relative to the frame between: a transfer position for introducing a beverage ingredient into the module (9) and/or removing the ingredient therefrom; and a processing position for forming the beverage from the ingredient in the module. The beverage preparation module further has a beverage outlet (11) for dispensing the formed beverage (4¹) to a beverage dispensing area (4) for receiving a user-recipient for collecting the beverage (4¹). The frame (2) further supports a guide (20) configured to drain and deliver liquid residues (3') from the beverage outlet (11) to a service area (3) separate from the dispensing area (4) so that the residues (3¹) are inhibited from being drained from the beverage outlet (11) to the beverage dispensing area (4).

Inventors

MOERI PETER

KOLLEP ALEXANDRE

BESSON FRANCOIS

Latest standardized assignees - inventors removed

NESTLE

Family 29/200 - FAMPAT - ©Questel

Title

(WO2018194475)

Beverage-dispensing system with optimized beverage-discharge arrangement

Images

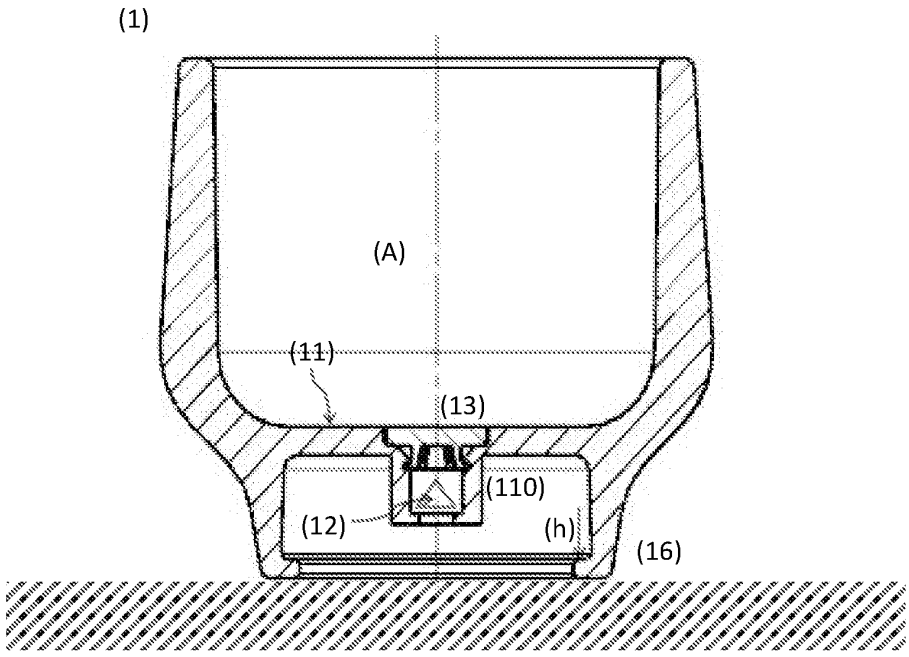


FIGURA 3

Publication data including kind & date

WO2018/194475	A1	2018-10-25	WO2018194475

Abstract

(WO2018/194475)

The present invention relates to a beverage-dispensing system, in particular a system for preparing espresso coffee and similar aromatic beverages, comprising at least one type of beverage receptacle (1, 1'), for example of the tumbler, cup or similar type, a beverage-discharge arrangement (2) operationally associated with a beverage-preparation device (3), said beverage-discharge arrangement (2) being provided such that, at a specific stream pressure, the beverage-discharge stream arrives at a stream-regulation arrangement (12) in the region of the base (11) of the beverage receptacle (1, 1') following a direction that is the opposite of that of gravity, the system being characterized by said beverage receptacle (1, 1') having a stream-restriction element (13) downstream of said flow-regulation arrangement (12) and adapted such that it provides more advantageous conditions for the discharge of beverages, in particular for espresso coffee and other aromatic beverages, to the interior of said beverage receptacle (1, 1').

Inventors

NABEIRO RUI MIGUEL
MEDINA MUNDT JESÚS

Latest standardized assignees - inventors removed

NOVADELTA COMÉRCIO & INDUSTRY DE CAFÉS

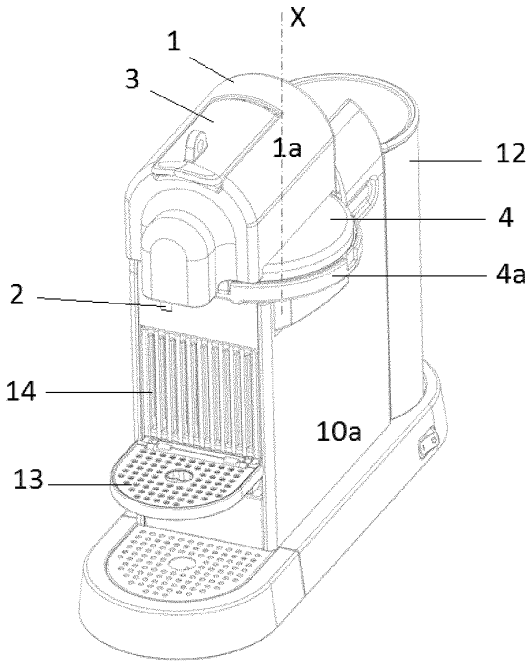
Family 30/200 - FAMPAT - ©Questel

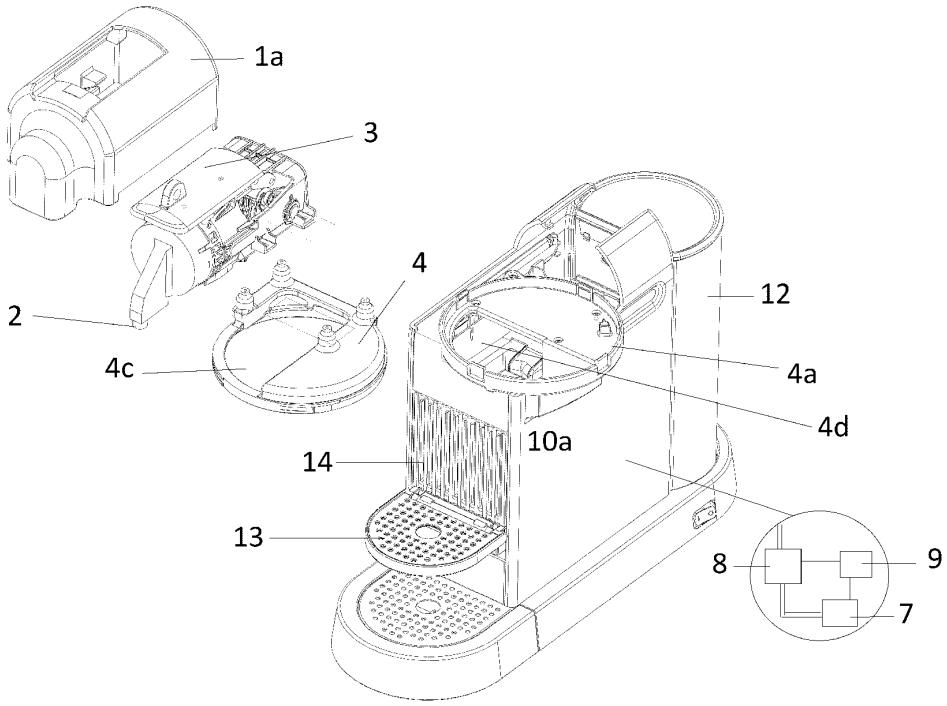
Title

(EP3142529)

Beverage preparation device for hot and cold beverages

Images





Publication data including kind & date

AU2015261133	B2	2019-06-20	AU2015261133
CN106231963	B	2019-05-17	CN106231963B
RU2678896	C2	2019-02-04	RU2678896
RU2016148737	A3	2018-12-03	RU2016148737
RU2016148737	A	2018-06-14	RU2016148737
PT3142529	T	2018-04-12	PT3142529T
ES2659643	T3	2018-03-16	ES2659643
EP3142529	B1	2018-01-10	EP3142529
BR112016025789	A2	2017-08-15	BR112016025789
JP2017519534	A	2017-07-20	JP2017519534
US20170079467	A1	2017-03-23	US20170079467
EP3142529	A1	2017-03-22	EP3142529

MX2016014648	A	2017-03-06	MX2016014648
KR20170007255	A	2017-01-18	KR20170007255
IN201617030945	A	2016-12-30	IN201617030945
CN106231963	A	2016-12-14	CN106231963
IL247549	A	2016-11-30	IL-247549
BR112016025789	A1	2016-11-16	BR112016025789
AU2015261133	A1	2016-09-15	AU2015261133
CA2946084	A1	2015-11-19	CA2946084
WO2015/173100	A1	2015-11-19	WO2015173100

Abstract

(EP3142529)

The present invention relates to a beverage preparation device for preparing hot and cold beverages, the device (30) comprising a hot extraction module(10) comprising a brewing unit (1) for injection of hot liquid into a beverage ingredients containing capsule, a hot beverage outlet (2) connected to the brewing unit (1) for dispensing of a hot extracted beverage, and a cooling module (20) comprising a cooling reservoir (5) for receiving the hot extracted beverage, wherein the hot beverage outlet (2) and the cooling module (20) are arranged moveably relative to each other such that the hot extracted beverage may be selectively dispensed from the hot beverage outlet (2) into the cooling reservoir (5) of the cooling module (20) in at least one relative position of the hot beverage outlet (2) and the cooling module (5).

Inventors

AIT BOUZIAD YOUCEF

AGON FABIEN LUDOVIC

YOAKIM ALFRED

Latest standardized assignees - inventors removed

NESTLE

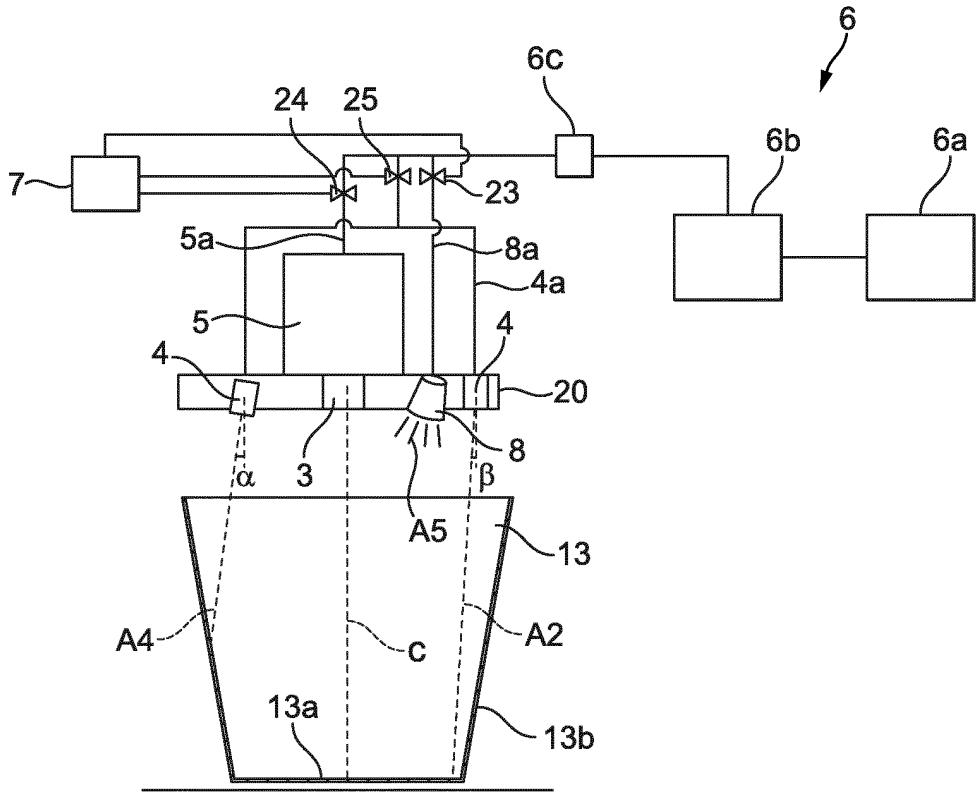
Family 31/200 - FAMPAT - ©Questel

Title

(EP2690992)

Beverage dispenser with improved nozzles assembly

Images



Publication data including kind & date

JP5937671	B2	2016-05-20	JP5937671
JP2014514044	A	2014-06-19	JP2014514044
EP2690992	A1	2014-02-05	EP2690992
US20140020566	A1	2014-01-23	US20140020566
CN103476307	A	2013-12-25	CN103476307
AR085836	A1	2013-10-30	AR--85836
AU2012234512	A1	2013-09-26	AU2012234512
CA2830768	A1	2012-10-04	CA2830768
WO2012/130662	A1	2012-10-04	WO2012130662

Abstract

(EP2690992)

The invention concerns a beverage production device for preparing a beverage by introducing at least one liquid in a receptacle (13) containing a beverage concentrate, said beverage production device comprising : a plurality of nozzles (3, 40, 8, 11) for injecting at least one liquid into the receptacle, and at least one liquid supply means (5, 6)connected to said nozzles, wherein the nozzles are removably fixed in a positioning device (1) said positioning device being made of a flexible material.

Inventors

STIEGER MICHAEL MISCHA

Latest standardized assignees - inventors removed

NESTEC

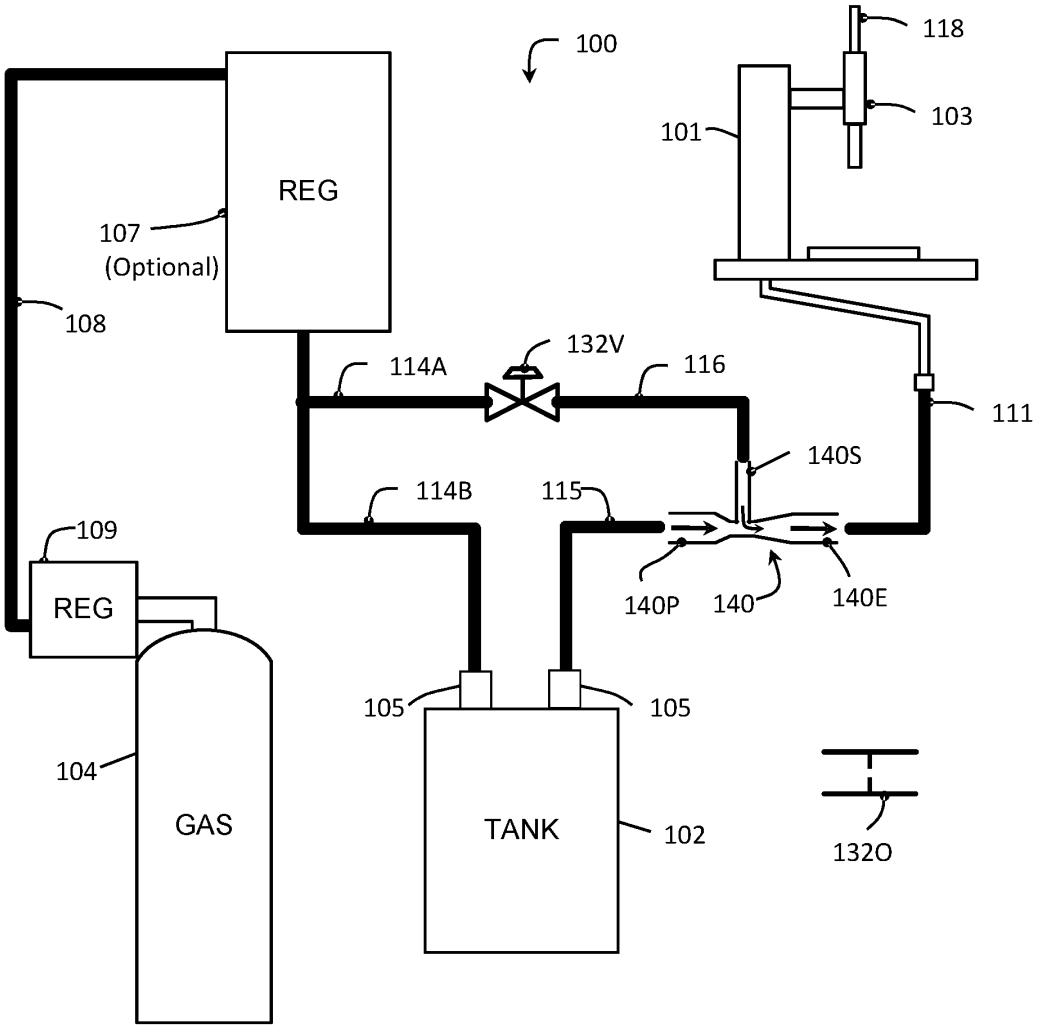
Family 32/200 - FAMPAT - ©Questel

Title

(US20180221833)

Systems and methods to nitrogen-infuse and dispense beverages

Images



Publication data including kind & date

US20180221833	A1	2018-08-09	US20180221833
US9955710	B2	2018-05-01	US9955710
US20170265499	A1	2017-09-21	US20170265499

Abstract

(US20180221833)

In a method for infusing a gas from a gas source into a liquid beverage, liquid beverage is driven from a beverage container into a liquid inlet port of a venturi mixing device. Nitrogen is infused into the liquid beverage by driving nitrogen through a gas inlet port of the venturi mixing device, thereby delivering nitrogen-infused liquid beverage to a discharge port of the venturi mixing device. The nitrogen-infused liquid beverage is poured from the discharge port through a faucet.

Inventors

HYDE ROBERT D
NEIGHBORS JAMES G
HOLLAND BRIAN T
FENDLEY JACKIE
HOSKIN ROBERT F

Latest standardized assignees - inventors removed

CUATRO CONNECT

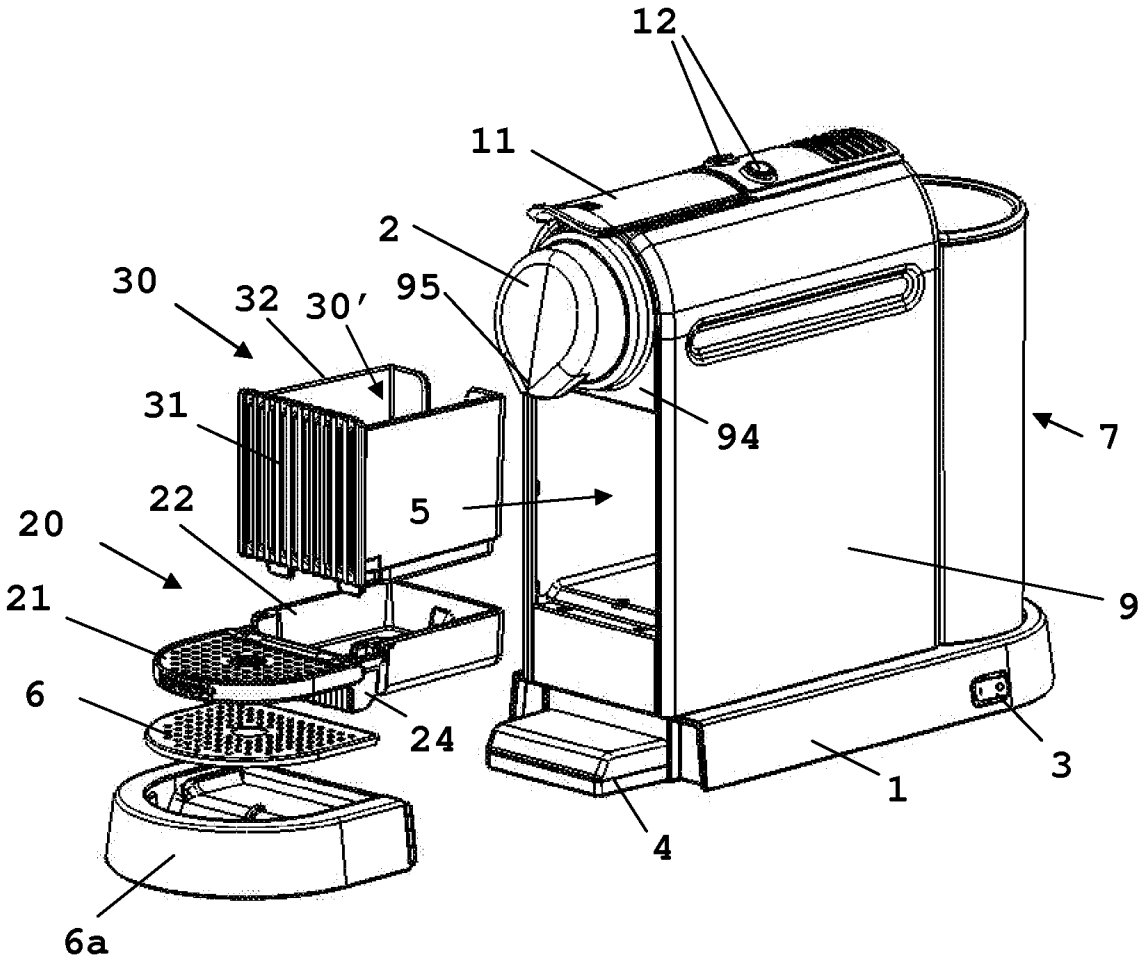
Family 33/200 - FAMPAT - ©Questel

Title

(EP2222212)

Modular manufacturing of beverage production machines

Images



Publication data including kind & date

EP2222210	B8	2019-08-14	EP2222210
EP2222210	B1	2019-07-03	EP2222210
BRPI0821188	B1	2019-04-16	BR200821188
US9357872	B2	2016-06-07	US9357872
CA2707854	C	2016-02-02	CA2707854
AU2008334682	B2	2015-07-16	AU2008334682
EP2070454	B1	2015-07-15	EP2070454
US9066624	B2	2015-06-30	US9066624
BRPI0820740	A2	2015-06-16	BR200820740
BRPI0820746	A2	2015-06-16	BR200820746
BRPI0821123	A2	2015-06-16	BR200821123
BRPI0821188	A2	2015-06-16	BR200821188
BRPI0821243	A2	2015-06-16	BR200821243
US9049960	B2	2015-06-09	US9049960
AU2008334687	B2	2015-05-21	AU2008334687
AU2008334685	B2	2015-04-23	AU2008334685
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AU2008334689	B2	2015-01-22	AU2008334689
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JP5653493	B2	2014-11-28	JP5653493

US8800433	B2	2014-08-12	US8800433
JP5558366	B2	2014-06-13	JP5558366
RU2506875	C2	2014-02-20	RU2506875
JP5469083	B2	2014-02-07	JP5469083
RU2501513	C2	2013-12-20	RU2501513
JP2013252447	A	2013-12-19	JP2013252447
HK1147046	A1	2013-12-13	HK1147046
EP2661995	A1	2013-11-13	EP2661995
JP5394389	B2	2013-10-25	JP5394389
JP5362739	B2	2013-09-13	JP5362739
JP5331126	B2	2013-08-02	JP5331126
RU2488335	C2	2013-07-27	RU2488335
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ES2413860	T3	2013-07-17	ES2413860
PT2222211	E	2013-06-25	PT2222211
EP2594173	A1	2013-05-22	EP2594173
EP2222211	B1	2013-03-27	EP2222211
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EP2371246	A3	2012-02-01	EP2371246
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US20100263547	A1	2010-10-21	US20100263547
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EP2241230	A1	2010-10-20	EP2241230
US20100251900	A1	2010-10-07	US20100251900
EP2236062	A1	2010-10-06	EP2236062
EP2227121	A1	2010-09-15	EP2227121
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EP2222210	A2	2010-09-01	EP2222210
EP2222211	A2	2010-09-01	EP2222211
EP2222212	A2	2010-09-01	EP2222212
AR069760	A1	2010-02-17	AR--69760
AR069696	A1	2010-02-10	AR--69696
WO2009/074550	A3	2009-11-26	WO200974550
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WO2009/074550	A2	2009-06-18	WO200974550
WO2009/074553	A2	2009-06-18	WO200974553
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WO2009/074557	A1	2009-06-18	WO200974557
WO2009/074559	A1	2009-06-18	WO200974559

EP2070454 A1 2009-06-17 EP2070454

Abstract

(EP2222212)

The invention proposes a modular method of manufacturing a set of beverage production machines with different beverage-related functions. The beverage production machines are designed for producing a beverage on the basis of pre-portioned ingredient packages. The method comprises the step of: providing a plurality of identical core units (2,2A,2B), the core units being provided with control circuitry (23) and a beverage production module (11) for housing an ingredient package and feeding a liquid to the interior of the ingredient package, - providing a plurality of different base platforms (1,3,4), the base platforms differing as to beverage production functions, and manufacturing a set of different beverage production machines by mounting respectively at least one of the core units on the top surface of one out of the plurality of differing base platforms and by mounting water reservoirs (7) on the base platforms.

Inventors

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KAESER STEFAN
SCHENK RUDOLF
PIAI GUIDO
KREITMAYR BERNHARD
GEORGIEV DIMITAR

Latest standardized assignees - inventors removed

NESTLE

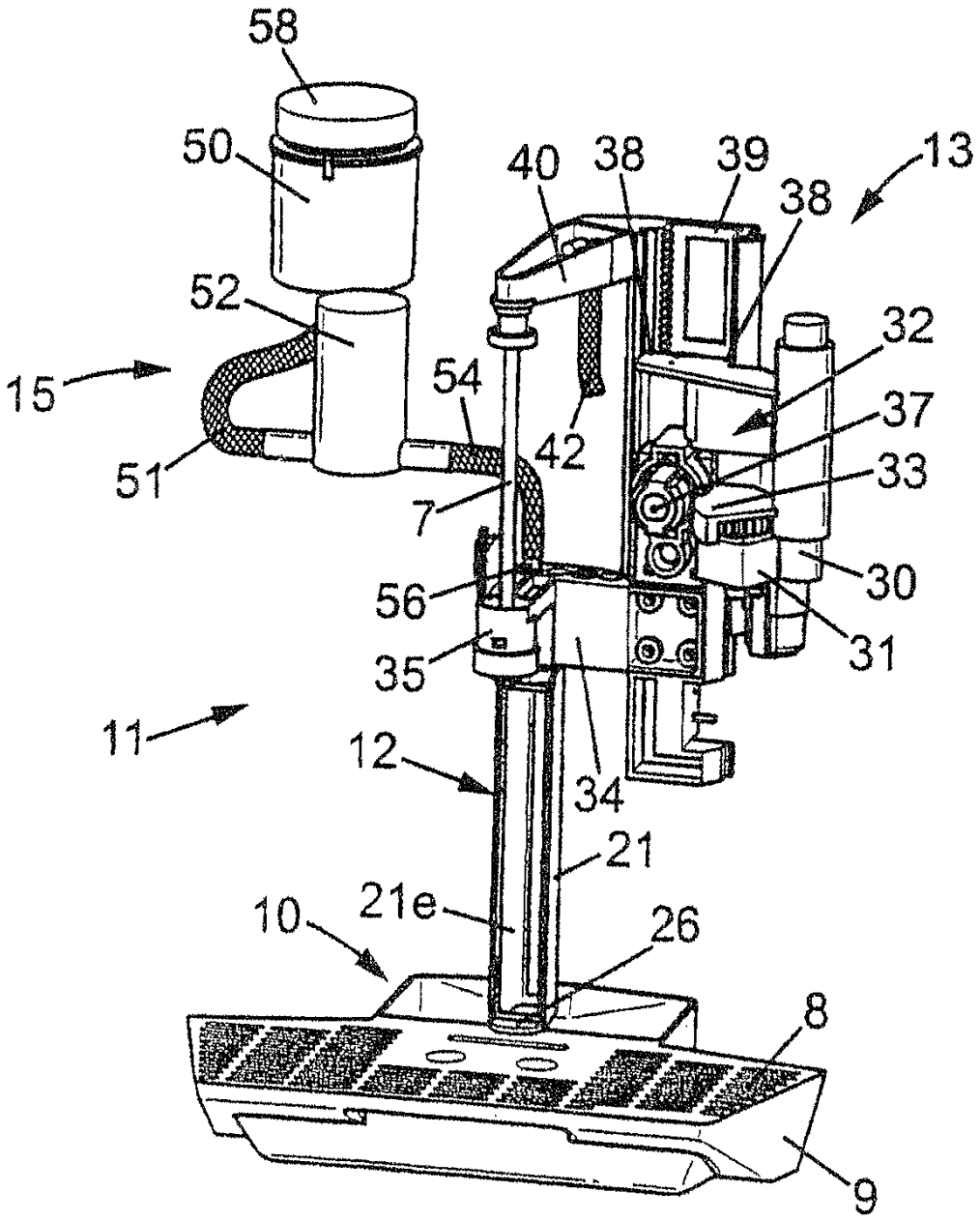
Family 34/200 - FAMPAT - ©Questel

Title

(EP2265157)

Drink preparing machine including a steam nozzle cleaning system

Images



Publication data including kind & date

CA2718829	C	2015-01-27	CA2718829
US8485090	B2	2013-07-16	US8485090
EP2265157	B1	2013-02-20	EP2265157
CN101980640	B	2013-01-09	CN101980640B
CN101980640	A	2011-02-23	CN101980640
US20110023723	A1	2011-02-03	US20110023723
EP2265157	A1	2010-12-29	EP2265157
FR2929090	B1	2010-04-02	FR2929090
CA2718829	A1	2009-10-08	CA2718829
WO2009/122039	A1	2009-10-08	WO2009122039
FR2929090	A1	2009-10-02	FR2929090

Abstract

(EP2265157)

The invention relates to a drink preparing machine, including a housing 2, a moveable steam nozzle 7 connected by a movement device 13, a drink preparing area 10 wherein a cup may be placed, and a cleaning area wherein a rinsing

container 12 is disposed. The movement device 13 moves the nozzle 7 between the drink preparing area and the cleaning area. The machine also includes a cleaning agent outlet 56 that is moveable between a dispensing position, located in the cleaning area to deliver the agent into the container 12, and a storage position, located outside the cleaning area. The cleaning agent outlet 56 is connected to the movement device 13 to place said outlet in the storage position when the nozzle 7 is in the cleaning area.

Inventors

MORIN GILLES

CROSVILLE VINCENT

GAGNON LAURENT

Latest standardized assignees - inventors removed

SEB

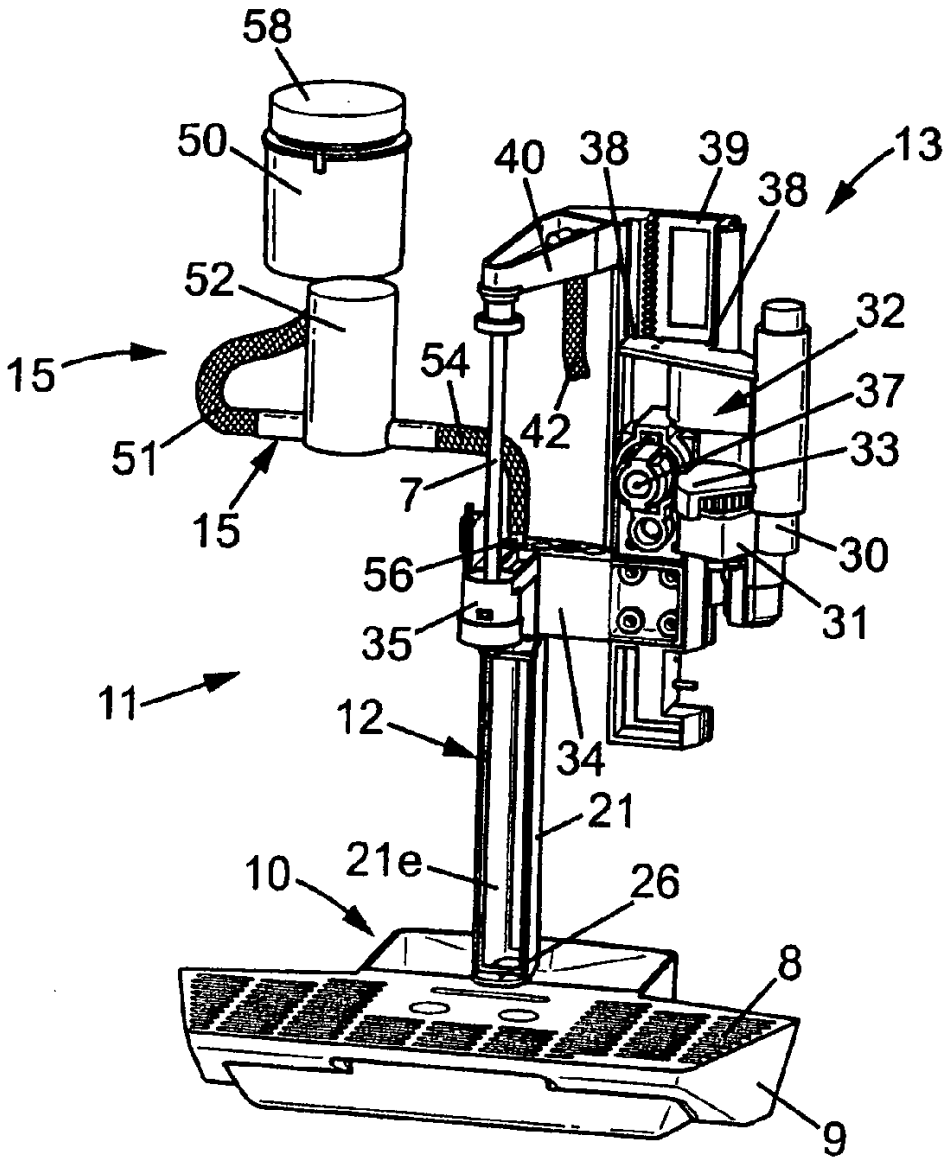
Family 35/200 - FAMPAT - ©Questel

Title

(EP2257207)

Drink preparing machine including a built-in container for cleaning using steam nozzle

Images



Publication data including kind & date

CA2718827	C	2015-08-04	CA2718827
CN101980636	B	2014-04-02	CN101980636B
US8474367	B2	2013-07-02	US8474367
EP2257207	B1	2013-03-13	EP2257207
CN101980636	A	2011-02-23	CN101980636
US20110017073	A1	2011-01-27	US20110017073
EP2257207	A1	2010-12-08	EP2257207
FR2929091	B1	2010-04-02	FR2929091
CA2718827	A1	2009-10-08	CA2718827
WO2009/122038	A1	2009-10-08	WO2009122038
FR2929091	A1	2009-10-02	FR2929091

Abstract

(EP2257207)

The invention relates to a drink preparing machine, including a housing 2 having a front; a drink preparing area 10 bordered by the front 3 on one side, by drink outlets on the top, and by a cup placement tray 8 on the bottom; and a moveable steam nozzle 7 connected to the housing by a movement device. The housing includes a cavity 3c defining a cleaning area 25, wherein a rinsing container 12 is disposed having a top opening 22 and comprising an emptying device 23, and wherein the moveable nozzle is guided through a vertical movement by the movement device such that the lower end 7a thereof penetrates the container 12 through the top opening thereof.

Inventors

MORIN GILLES

CROSVILLE VINCENT

GAGNON LAURENT

Latest standardized assignees - inventors removed

SEB

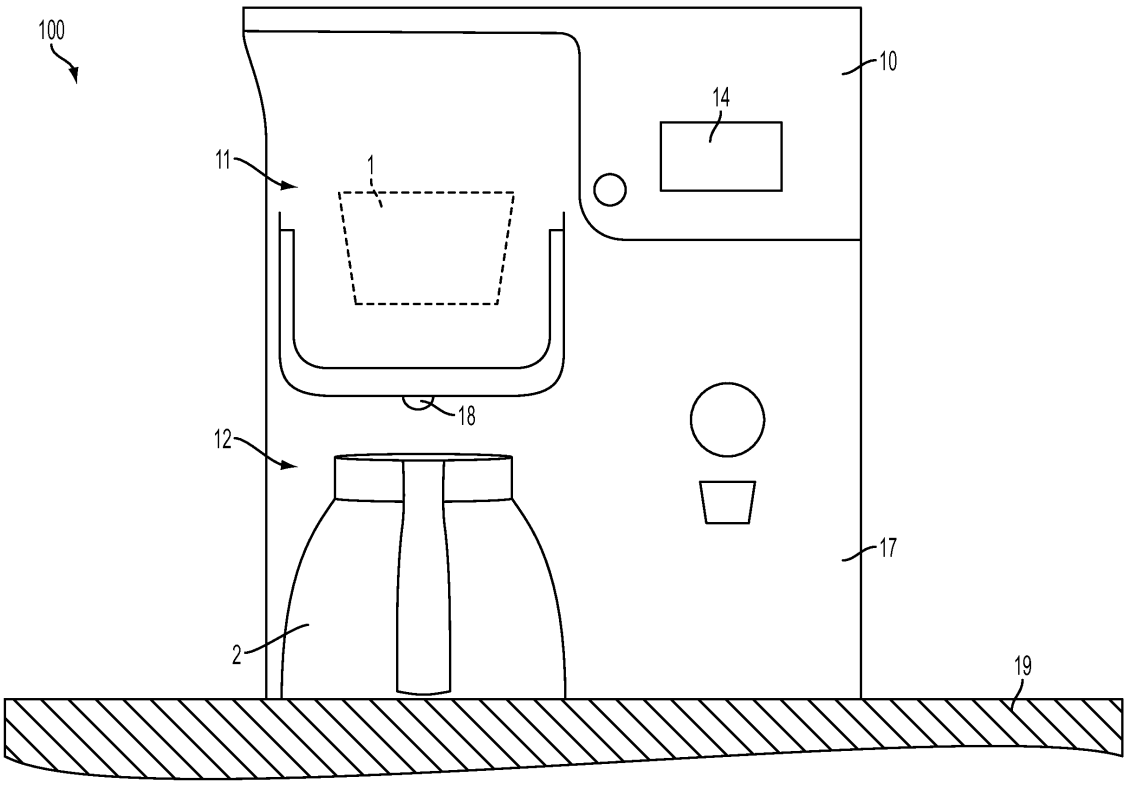
Family 36/200 - FAMPAT - ©Questel

Title

(EP3094591)

Method and apparatus for beverage carafe detection

Images



Publication data including kind & date

JP6557665	B2	2019-08-07	JP6557665
BR112016014982	A2	2018-10-16	BR112016014982
EP3094591	B1	2018-03-28	EP3094591
CN105916799	B	2017-11-07	CN105916799B
JP2017510315	A	2017-04-13	JP2017510315
EP3094591	A1	2016-11-23	EP3094591
KR20160107300	A	2016-09-13	KR20160107300
CN105916799	A	2016-08-31	CN105916799
AU2015206490	A1	2016-08-04	AU2015206490
BR112016014982	A1	2016-07-05	BR112016014982
US9173519	B2	2015-11-03	US9173519
CA2934909	A1	2015-07-23	CA2934909
US20150201795	A1	2015-07-23	US20150201795
WO2015/109050	A1	2015-07-23	WO2015109050

Abstract

(EP3094591)

A beverage forming method and system (100) in which a carafe (2) with an associated magnetic element (39) is positionable at a carafe receiving area (12). One of a protrusion (30) and a first recess (32) is associated with the carafe (2) and the other of the protrusion and the first recess is associated with a housing (17). The housing (17) includes a detector (13) arranged to detect the presence of the magnetic element (39) when the protrusion (30) is inserted into the first recess (32). Beverage formation of an amount greater than a threshold volume is enabled when the detector detects the magnetic element.

Inventors

TINKLER IAN
SHEPARD JAMES E
HURLEY GREGORY
JOHNSEN MATTHEW

Latest standardized assignees - inventors removed

KEURIG GREEN MOUNTAIN

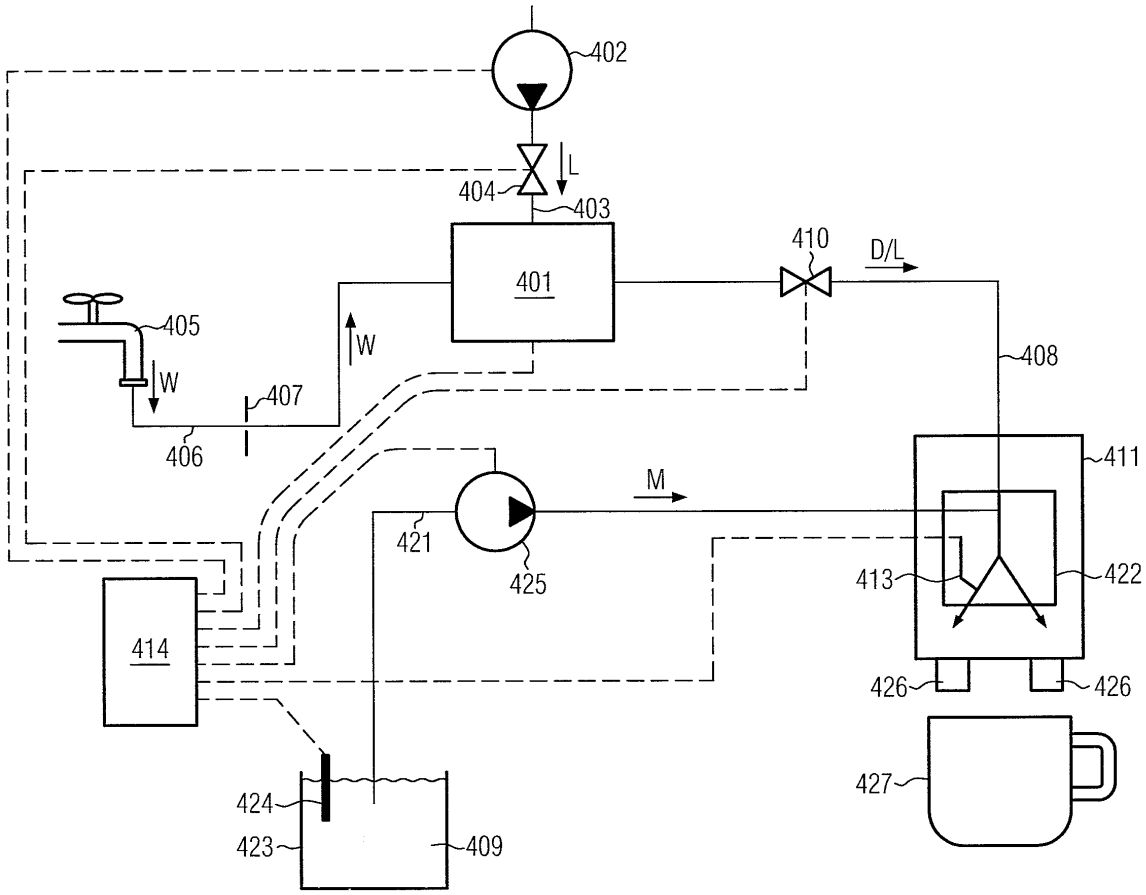
Family 37/200 - FAMPAT - ©Questel

Title

(EP2534986)

Device for heating and foaming a beverage

Images



Publication data including kind & date

JP6043098	B2	2016-11-18	JP6043098
US9474408	B2	2016-10-25	US9474408
EP2534986	B1	2015-03-11	EP2534986
DE102011077776	B4	2013-11-14	DE102011077776
US20130145936	A1	2013-06-13	US20130145936
JP2013000593	A	2013-01-07	JP2013000593
DE102011077776	A1	2012-12-20	DE102011077776
EP2534986	A1	2012-12-19	EP2534986

Abstract

(EP2534986)

The device has a steam generator (101), a compressed air source (102) and an air supply line (103) connected with the compressed air source. The air supply line supplies air from the compressed air source to the steam generator. A steam- or air line is connected with the steam generator for supplying steam-air mixture from the steam generator to the beverage product. The steam generator is designed for the vaporization of water and has a hot water region and a steam region. (From EP2534986 A1)

Inventors

DOLLNER SANDER

KIEFER ALEXANDER

EICKE JOEL

BÖNSCH THORSTEN

ARNDT PETER

HOSTETTLER HANS-ULRICH

Latest standardized assignees - inventors removed

WMF

Family 38/200 - FAMPAT - ©Questel

Title

(EP2148599)

Beverage preparation machines and methods for operating beverage preparation machines

Images

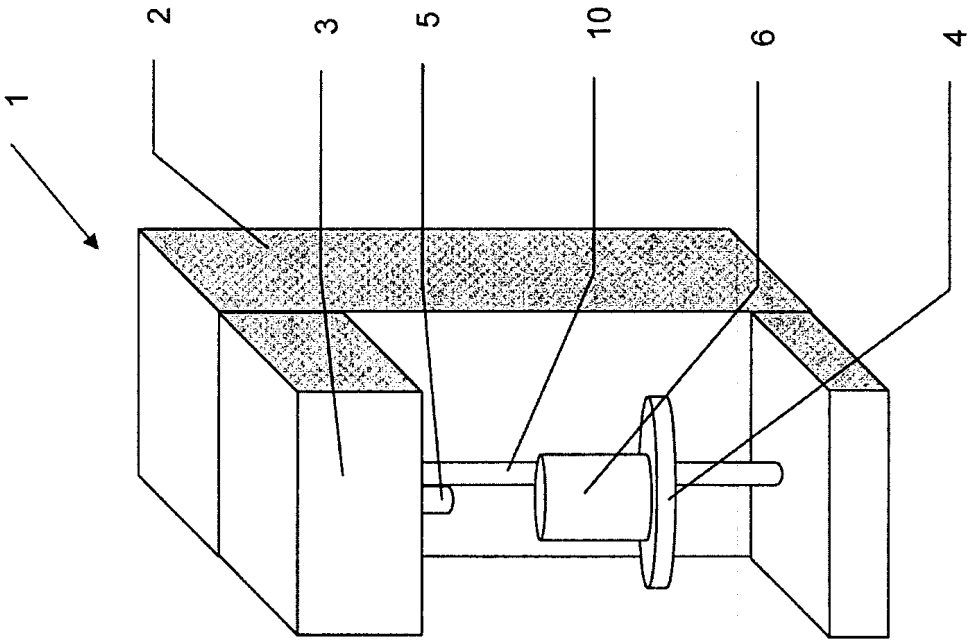


Fig. 2

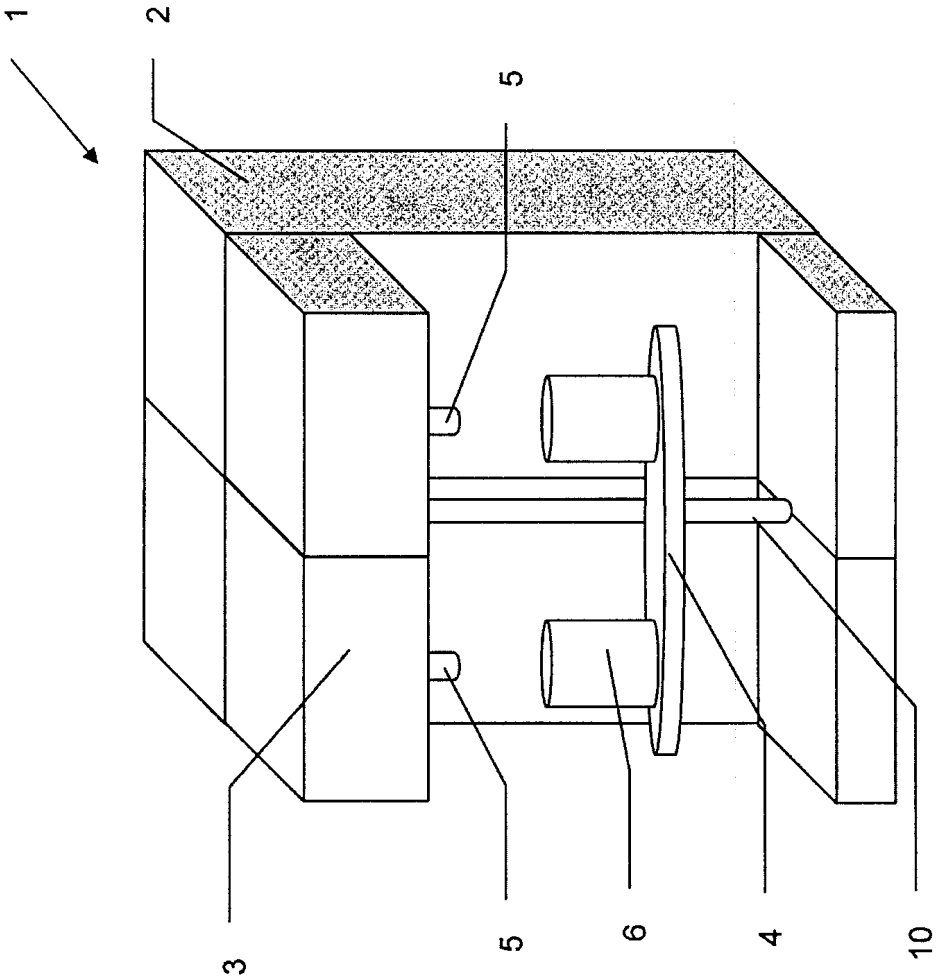


Fig. 1

Publication data including kind & date

BRPI0811650	A2	2019-01-15	BRPI0811650
US20170231422	A1	2017-08-17	US20170231422
BRPI0811650	A1	2017-07-04	BRPI0811650
EP2148599	A4	2017-03-29	EP2148599
JP2017056226	A	2017-03-23	JP2017056226

JP5992141	B2	2016-08-26	JP5992141
HK1207546	A1	2016-02-05	HK1207546
HK1144538	A1	2015-10-23	HK1144538
US20150144000	A1	2015-05-28	US20150144000
US8974846	B2	2015-03-10	US8974846
JP2015042319	A	2015-03-05	JP2015042319
CN104382496	A	2015-03-04	CN104382496
HK1197166	A1	2015-01-09	HK1197166
CN101742951	B	2014-12-17	CN101742951B
JP2014208269	A	2014-11-06	JP2014208269
CA2802138	C	2014-10-28	CA2802138
CA2778119	C	2014-09-23	CA2778119
CN103750746	A	2014-04-30	CN103750746
CA2684130	C	2014-03-25	CA2684130
KR101245077	B1	2013-03-18	KR101245077
RU2454164	C2	2012-06-27	RU2454164
RU2009147024	A	2011-06-27	RU2009147024
US20110070348	A1	2011-03-24	US20110070348
JP2010527701	A	2010-08-19	JP2010527701
GB2462392	B	2010-08-18	GB2462392
CN101742951	A	2010-06-16	CN101742951
KR20100017846	A	2010-02-16	KR20100017846
GB2462392	A	2010-02-10	GB2462392
EP2148599	A1	2010-02-03	EP2148599
GB2449630	B	2010-01-06	GB2449630
GB0920042	D0	2009-12-30	GB200920042
GB2449630	A8	2009-02-11	GB2449630
GB2449630	A	2008-12-03	GB2449630
CA2684130	A1	2008-11-27	CA2684130
CA2778119	A1	2008-11-27	CA2778119
CA2802138	A1	2008-11-27	CA2802138
WO2008/144471	A1	2008-11-27	WO2008144471
GB0709588	D0	2007-06-27	GB200709588

Abstract

(EP2148599)

The present invention provides a method of operating a beverage preparation machine, the beverage preparation machine being of the type comprising a brewer comprising: a reservoir containing water; a delivery head for receiving in use a cartridge containing one or more beverage ingredients; a pump for pumping water from said reservoir to said delivery head; a primary heater for heating the water contained in said reservoir; a secondary heater in between the reservoir and the delivery head; a controller for controlling energisation of the primary heater and the secondary heater; and wherein the controller operates to prevent energisation of the primary heater simultaneous with energisation of the secondary heater. An apparatus for carrying out the method is also disclosed and methods and apparatus utilising first and second brewers.

Inventors

BURTON-WILCOCK GARY VINCENT

SHORT DAVID PAUL

NEWCOMBE PAUL JOHN

Latest standardized assignees - inventors removed

KRAFT JACOBS SUCHARD ZURICH

DOUWE EGBERTS

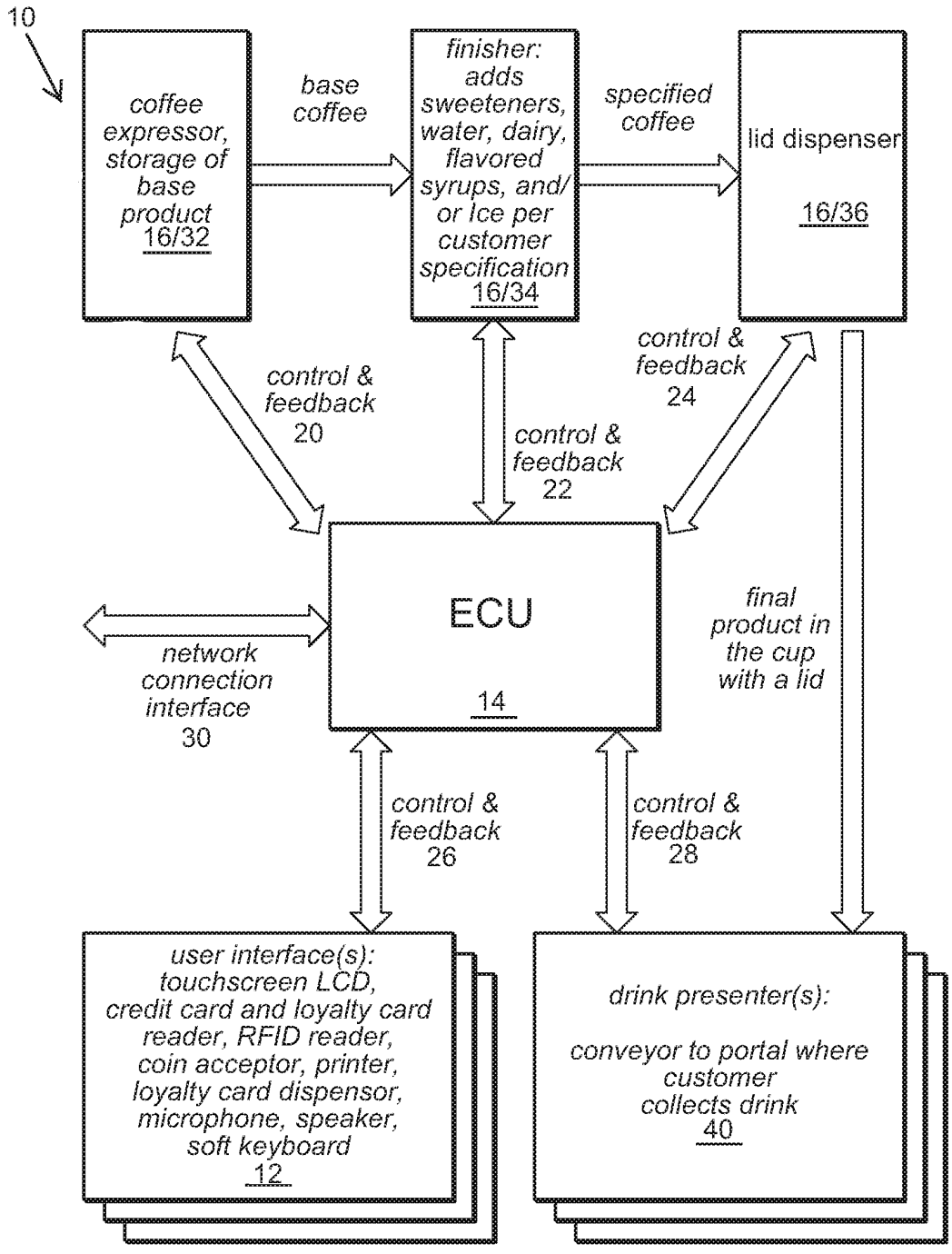
Family 39/200 - FAMPAT - ©Questel

Title

(EP2959462)

Automated beverage generating system and method of operating the same

Images



Publication data including kind & date

US10315908	B2	2019-06-11	US10315908
US20180208449	A1	2018-07-26	US20180208449
US9950918	B2	2018-04-24	US9950918
JP6262329	B2	2018-01-17	JP6262329
EP2959462	A4	2017-02-01	EP2959462
US9533866	B2	2017-01-03	US9533866

US20160159634	A1	2016-06-09	US20160159634
JP2016515728	A	2016-05-30	JP2016515728
KR20160029732	A	2016-03-15	KR20160029732
EP2959462	A1	2015-12-30	EP2959462
US20140277703	A1	2014-09-18	US20140277703
WO2014/144044	A1	2014-09-18	WO2014144044

Abstract

(EP2959462)

A method of operating an automated beverage generating system. The method comprises receiving one or more electrical signals representative of an order for a specified beverage. The method further comprises translating the order into one or more steps required to generate the specified beverage. The method still further comprises and entering each required step into a dynamic sequence corresponding to a module of the system configured to perform that particular step, the dynamic sequence representing an order in which one or more steps in the dynamic sequence will be performed by the module for one or more beverages to be generated by the system.

Inventors

STUDOR CHARLES F

HUDY RAYMOND WILLIAM

CRAPARO JOHN S

HASSOUN MARWAN

Latest standardized assignees - inventors removed

BRIGGO

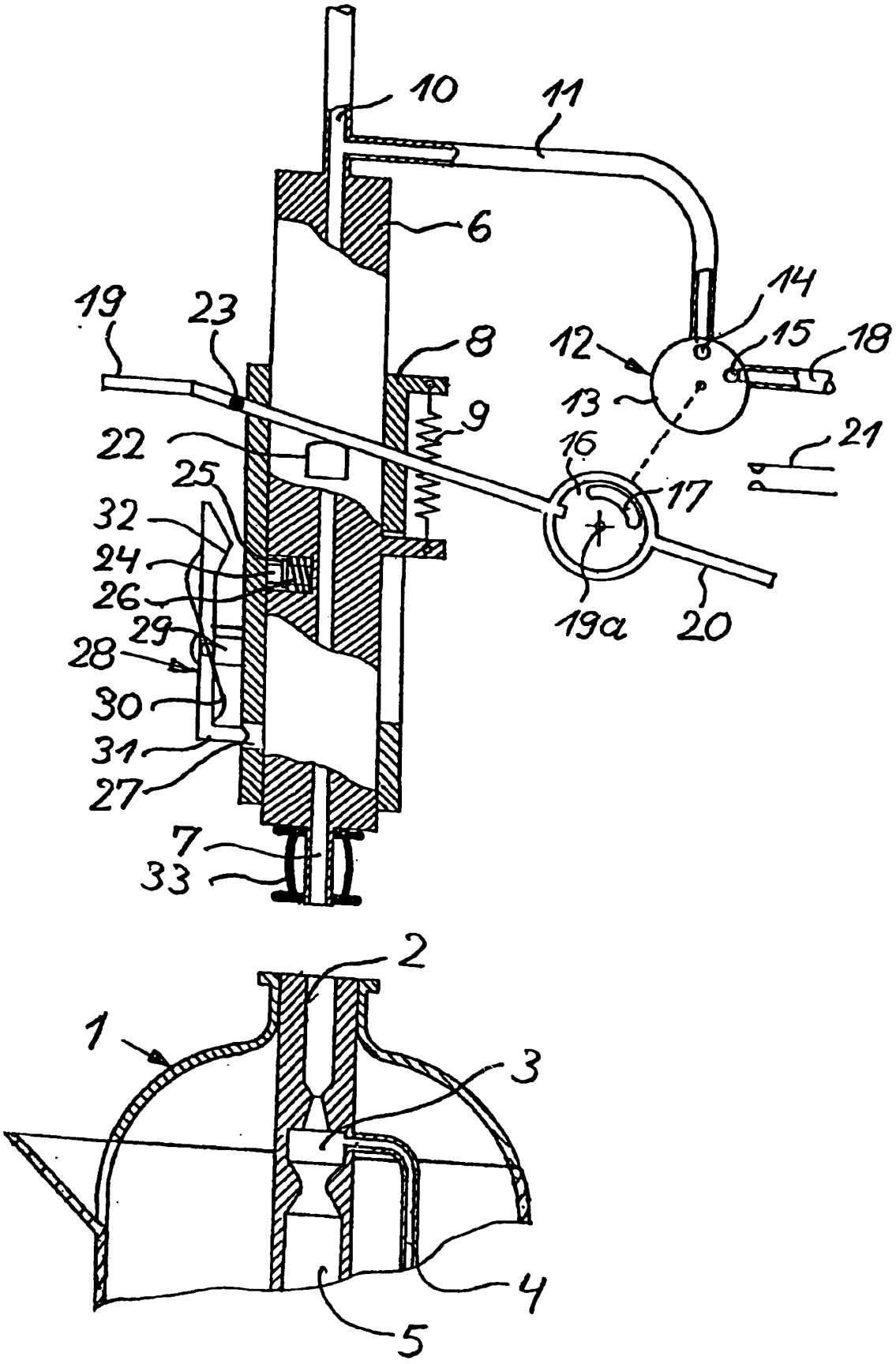
Family 40/200 - FAMPAT - ©Questel

Title

(EP1491120)

Coupling unit of an espresso machine

Images



Publication data including kind & date

ES2258243	T3	2006-08-16	ES2258243
DE502004000460	D1	2006-06-01	DE502004000460
EP1491120	B1	2006-04-26	EP1491120
US6854381	B2	2005-02-15	US6854381

EP1491120	A1	2004-12-29	EP1491120
US20040255789	A1	2004-12-23	US20040255789
DE20309691	U1	2004-11-04	DE20309691

Abstract

(EP1491120)

Steam docking unit of espresso machine with milk foaming jug includes valve for steam relaxation pipe controlled by operating lever to close before steam generator is activated

The docking unit includes a steam relaxation pipe (18) which is connectable through a valve (12) to the steam inlet (10) and outlet (7) according to the operating state. The valve is controlled by the operating lever (19) so that when the lever is moved from the rest to the working position the valve is closed before the switch contact activates the steam generator when the steam outlet is connected to the steam inlet opening (28) of the milk foaming jug. The valve is opened when the lever is moved from the work position to the rest position after the switch contact has switched off the steam generator and before the steam outlet is separated from the steam inlet opening (28) of the milk jug. - The valve is preferably a rotatable ceramic valve whose rotational axis is axially the same as the swivel axis of operating lever.

Inventors

FISCHER DANIEL

Latest standardized assignees - inventors removed

EUGSTER FRISMAG

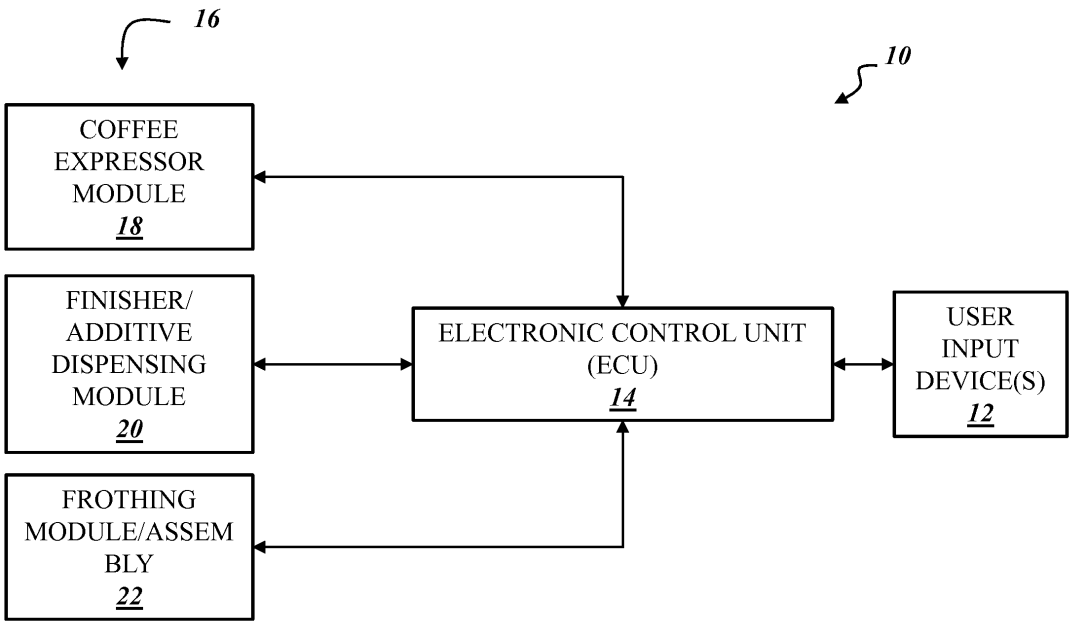
Family 41/200 - FAMPAT - ©Questel

Title

(US20180132654)

Frothing assembly and method of operating the same

Images



Publication data including kind & date

US10271680	B2	2019-04-30	US10271680
US20180132654	A1	2018-05-17	US20180132654
US20160000259	A1	2016-01-07	US20160000259

Abstract

(US20180132654)

An automated frothing assembly. The automated frothing assembly has a wand module that includes an elongate member having an inlet, one or more outlets, and a fluid passageway extending between and in fluid communication with the inlet and the plurality of outlets. At least one of the one or more outlets extends parallel to a vertical plane that includes the centerline of the elongate member and at an acute angle relative to a horizontal plane that is perpendicular to both the vertical plane and the centerline of the elongate member. The assembly further includes an actuator configured to be operatively coupled to the wand module and to drive the movement of at least a portion of the wand module along an axis, and an electronic controller configured to be electrically coupled to the actuator and to control the operation of the actuator to control the movement of the wand module.

Inventors

STUDOR CHARLES F
CLAFFERTY BRENT
MILLER STEPHEN A
HASSOUN MARWAN
GARCIA PETE P
HAMRICK LYNN WARREN

Latest standardized assignees - inventors removed

BRIGGO

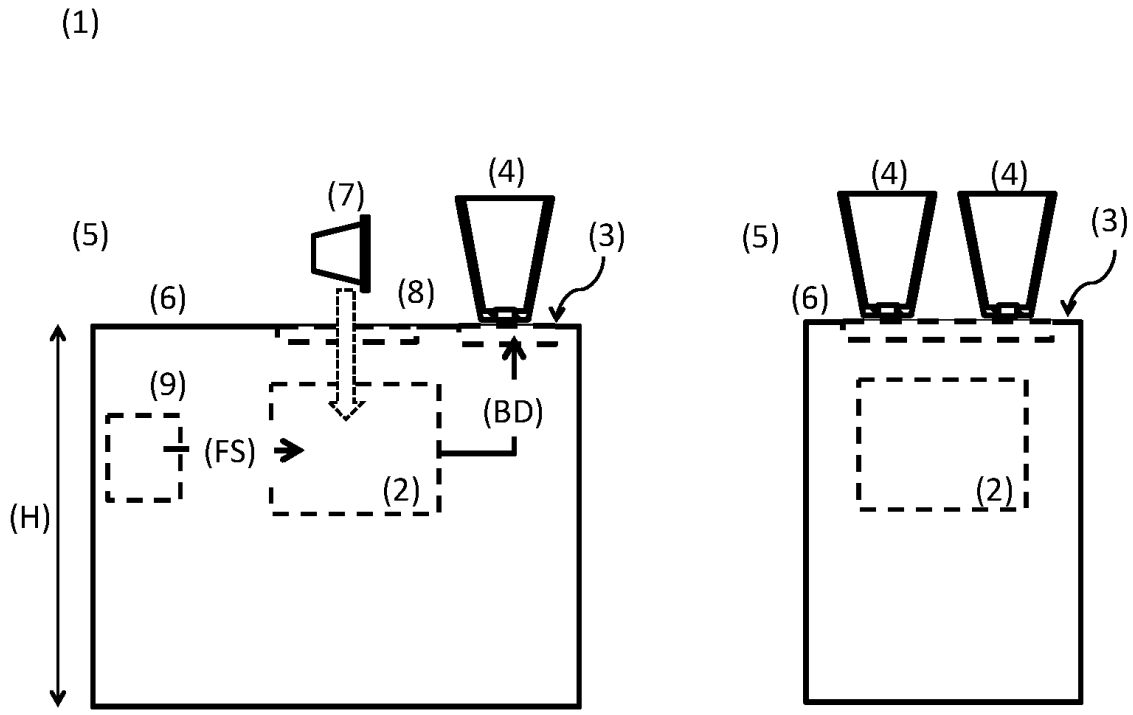
Family 42/200 - FAMPAT - ©Questel

Title

(EP3459403)

System for preparing aromatic beverages with optimised beverage discharge arrangement, and method for operating this system

Images



Publication data including kind & date

US20190282023	A1	2019-09-19	US20190282023
EP3459403	A1	2019-03-27	EP3459403
BR112018073710	A2	2019-02-26	BR112018073710
CN109195489	A	2019-01-11	CN109195489
BR112018073710	A1	2018-11-27	BR112018073710

PT109389	A	2017-12-06	PT-109389
CA3024415	A1	2017-11-23	CA3024415
WO2017/200409	A1	2017-11-23	WO2017200409

Abstract

(EP3459403)

The present invention discloses a system (1) for preparing beverages, in particular aromatic beverages such as espresso coffee and similar, comprising at least one type of brewing device (2), at least one beverage discharge disposition (3) that provides beverage discharge in a direction opposite that of the gravity force, and at least one type of beverage recipient (4), for example of the type glass, cup or similar, whereby said system (1) presents at least one introduction opening (8) configured for the introduction of portions (7) of edible substance, arranged next to said beverage discharge disposition (3), so that both are accessible on a common exterior surface of the apparatus casing (6) of said beverage preparation apparatus (5) . The present invention further discloses a process for preparing beverages that is characterized in that includes a step of confirmation the correct placement of a beverage recipient (4) engaged in said beverage discharge disposition (3) and display of corresponding information.

Inventors

NABEIRO RUI MIGUEL

Latest standardized assignees - inventors removed

DELTA CAFES

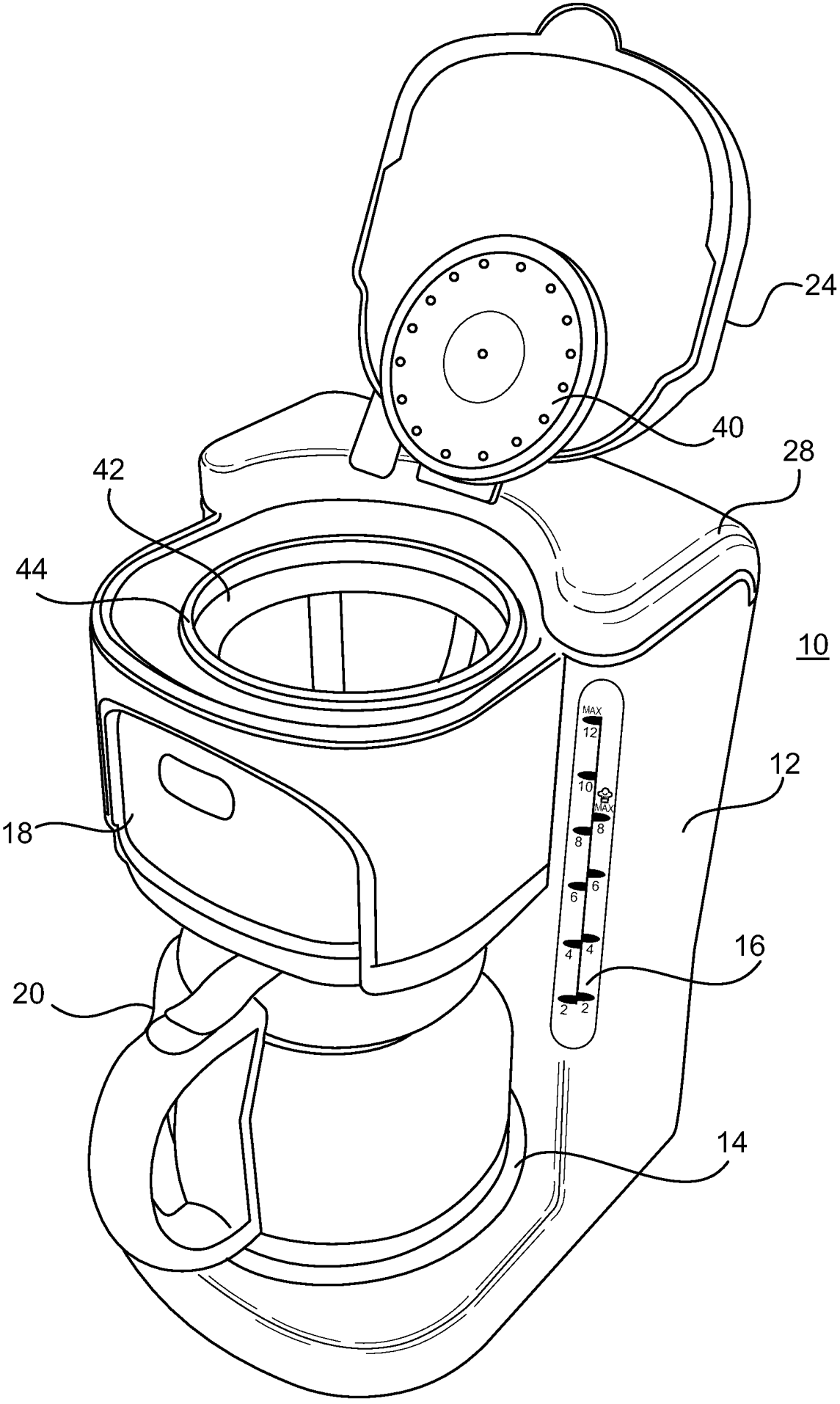
Family 43/200 - FAMPAT - ©Questel

Title

(WO201106045)

Method and system to produce gourmet coffee

Images



Publication data including kind & date

BRPI1005391	A2	2016-04-12	BR201005391
JP2012532688	A	2012-12-20	JP2012532688

CN102186386	A	2011-09-14	CN102186386
GB2474411	A	2011-04-13	GB2474411
MX2011001593	A	2011-04-05	MX2011001593
GB201102365	D0	2011-03-30	GB201102365
CA2734548	A1	2011-01-13	CA2734548
US20110005398	A1	2011-01-13	US20110005398
WO2011/006045	A1	2011-01-13	WO201106045



Abstract

(WO2011/006045)

Various embodiments are directed to a beverage maker. The beverage maker may include a brew system, an indicator to indicate at least one of a cleaning and a maintenance need of the beverage maker, and a control circuit. The brew system may include a reservoir to receive a liquid, a heater to heat the liquid, an expendable filter structured to filter impurities from the liquid for at least a predetermined number of brew cycles, and a container for receiving a beverage brewed from the filtered liquid. The control circuit may include a processor configured to receive a signal from at least one sensor indicative of an end of a brew cycle, increment a brew cycle counter by one count at the end of each brew cycle, and activate the indicator when a value of the brew cycle counter is equal to the predetermined number of brew cycles.

Inventors

GARCIA JORGE B

GROSS CHARLES BRIAN

Latest standardized assignees - inventors removed

WAL MART STORES

WALMART APOLLO

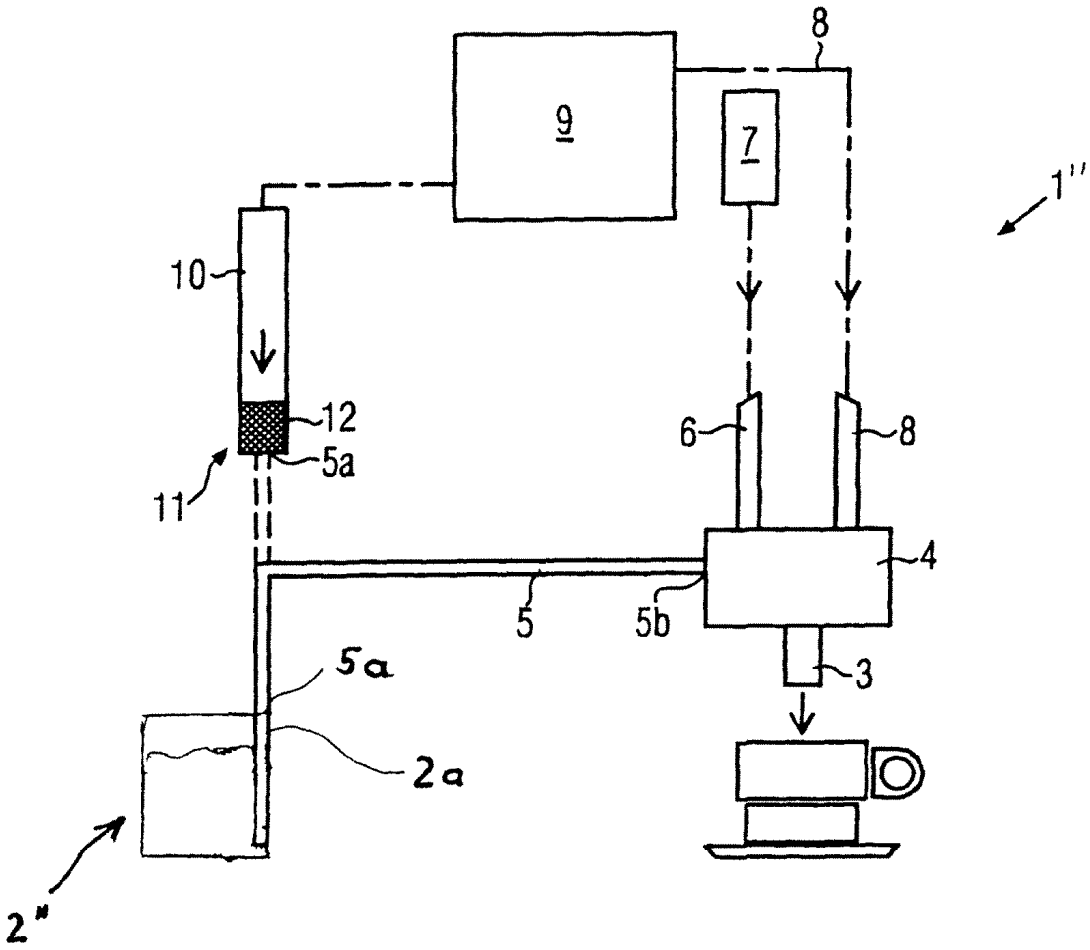
Family 44/200 - FAMPAT - ©Questel

Title

(WO200806623)

Device for supplying milk

Images



Publication data including kind & date

US8739688	B2	2014-06-03	US8739688
JP5066183	B2	2012-08-17	JP5066183
US20090314165	A1	2009-12-24	US20090314165
JP2009543584	A	2009-12-10	JP2009543584
CN101489452	A	2009-07-22	CN101489452
WO2008/006623	A3	2008-02-28	WO200806623
WO2008/006623	A2	2008-01-17	WO200806623

Abstract

(WO2008/006623)

The invention relates to a device (1, 11', 1") for supplying milk from a storage tank (2, 2") to a dispensing element (3). Said device is provided with a supply line (5) comprising an inlet end (5a) which is detachably connected to the storage tank (2, 2"). The aim of the invention is to improve the cleaning of such a device. To this end, a cleaning device (10) is provided for the supply line (5), said cleaning device containing a hot water and/or water vapour outlet (10, 18) comprising a connection device (11) for the detachable connection of the inlet end (5a) of the supply line (5).

Inventors

BLOCKWOLDT PETER

STARTZ ARMIN

Latest standardized assignees - inventors removed

WMF

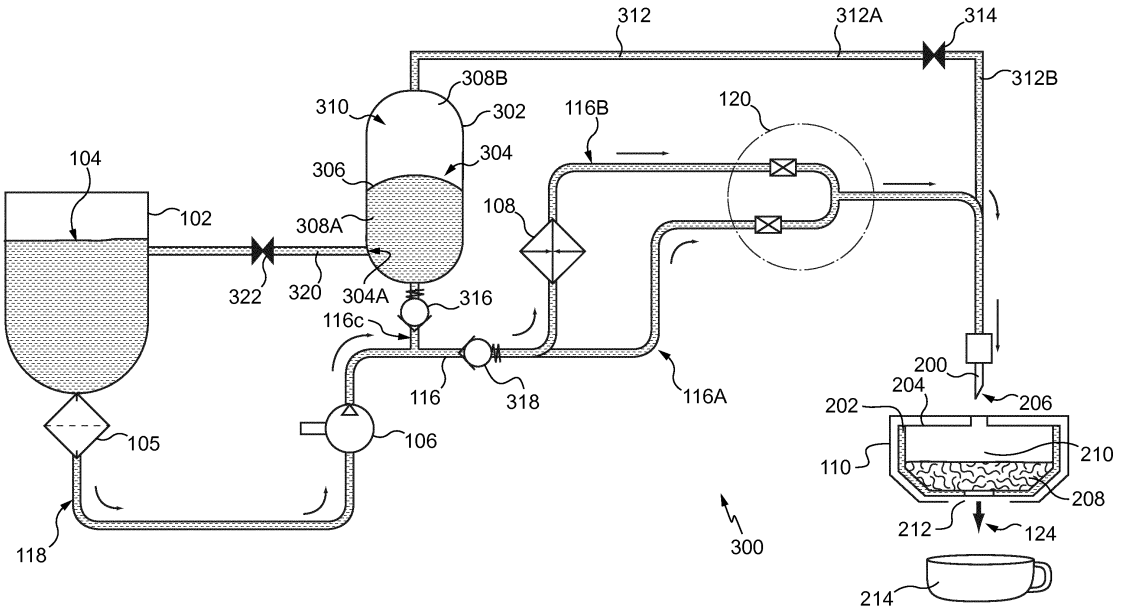
Family 45/200 - FAMPAT - ©Questel

Title

(EP3188627)

A beverage preparation machine

Images



Publication data including kind & date

CN106604667	B	2019-08-09	CN106604667B
ES2711854	T3	2019-05-07	ES2711854
EP3188627	B1	2018-12-26	EP3188627
JP2017530746	A	2017-10-19	JP2017530746
US20170273501	A1	2017-09-28	US20170273501
EP3188627	A1	2017-07-12	EP3188627
CN106604667	A	2017-04-26	CN106604667
WO2016/034592	A1	2016-03-10	WO201634592

Abstract

(EP3188627)

A beverage machine (300) comprises a pump (106) for pumping water (104) from a water tank (102) through a heater (108) and a hollow injection needle (200) into a beverage capsule (202), a pressurization device (302) comprising a cavity (304), a water line (116) connecting an outlet of the pump (106) to said cavity (304), a pressurization device valve (316) between the pump (106) and said pressurization device (302), a gas line (312) connecting the pressurization device (302) to said hollow injection needle (200), and a discharge valve (314), such that the pressurization device (302) receives a volume of water (104) from the pump (106) to compress a volume of gas (310) held in the cavity (304) of said pressurization device (302), and such that said compressed volume of gas (310) is discharged through the hollow injection needle (200) when the discharge valve (314) is opened.

Inventors

GAILLARD OLIVIER

SEID ECKHARD

Latest standardized assignees - inventors removed

NESTLE

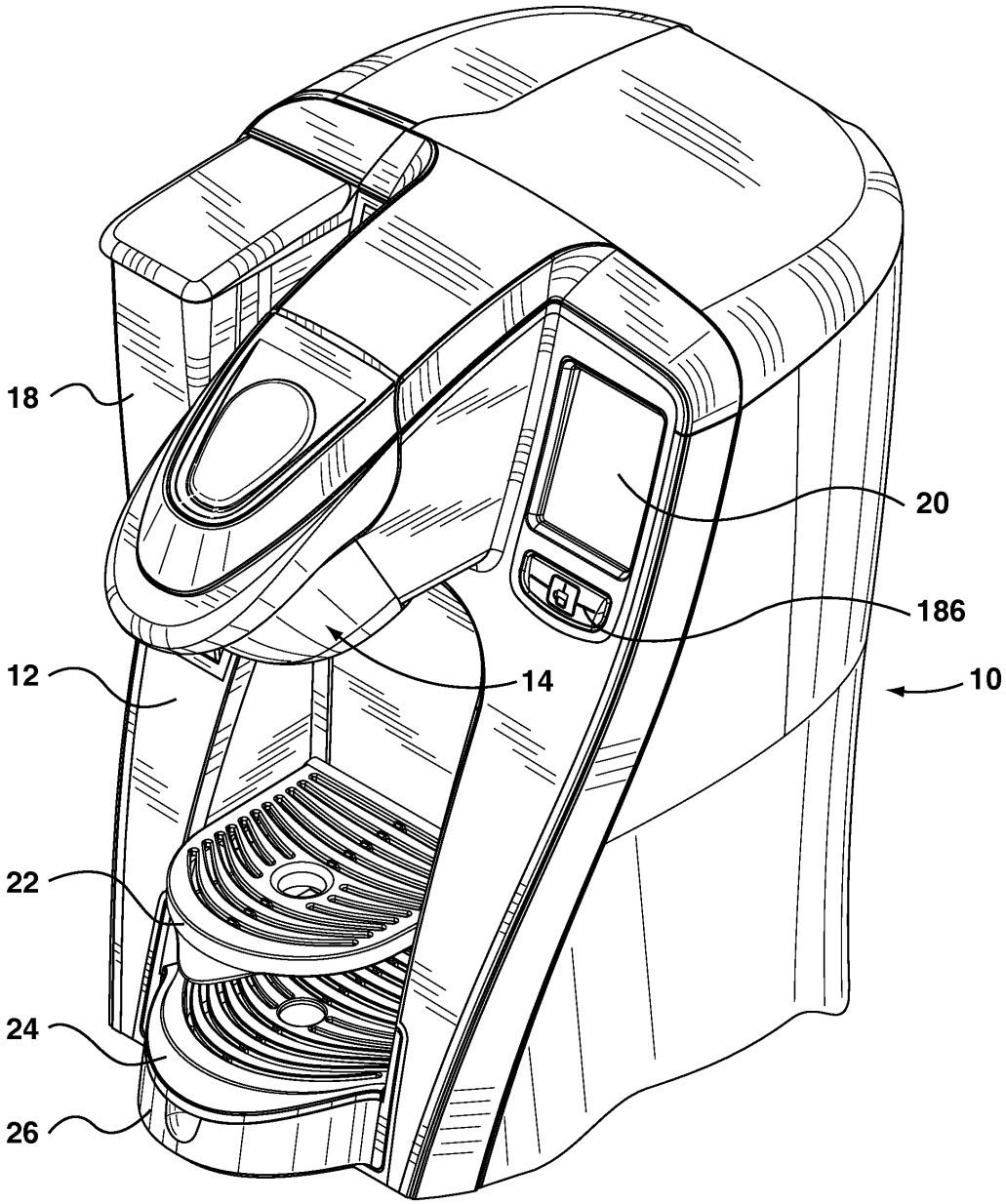
Family 46/200 - FAMPAT - ©Questel

Title

(EP2981198)

Capsule machine and components

Images



Publication data including kind & date

CA2943914	C	2018-11-06	CA2943914
US20170265678	A1	2017-09-21	US20170265678
US9700171	B2	2017-07-11	US9700171
EP2981198	A4	2016-11-16	EP2981198
CA2905217	C	2016-11-08	CA2905217
EP2981198	A1	2016-02-10	EP2981198
CN105263375	A	2016-01-20	CN105263375
KR20150136533	A	2015-12-07	KR20150136533
CA2905217	A1	2014-10-09	CA2905217
CA2943914	A1	2014-10-09	CA2943914
US20140299000	A1	2014-10-09	US20140299000

WO2014/161089	A1	2014-10-09	WO2014161089

Abstract

(EP2981198)

A machine is provided for preparing a desired product from a capsule containing desired ingredients. The machine includes a brew chamber that is adapted to hold the capsule at a downward angle relative to a horizontal plane. A cover for the brew chamber is adapted to move between an open position and a closed position. A loading mechanism is provided for extending and retracting the brew chamber. An injection system is provided for injecting a fluid into the capsule. A fluid transfer system is provided for transferring a desired fluid from a fluid source to the injection system. A dispensing system is provided for dispensing product to a receptacle. A reusable capsule is also provided for use with the machine.

Inventors

HANNESON SCOTT JEFFREY

PFEIFER THOMAS JOSEPH

Latest standardized assignees - inventors removed

2266170 ONTARIO

Family 47/200 - FAMPAT - ©Questel

Title

(EP2969904)

System and method of use for dispensing liquids from a container

Images

Publication data including kind & date

CN106006524	B	2018-04-20	CN106006524B
EP2969904	B1	2018-01-03	EP2969904
CN104271494	B	2017-05-31	CN104271494B
EP2969904	A4	2016-11-30	EP2969904
CN106006524	A	2016-10-12	CN106006524
EP2969904	A1	2016-01-20	EP2969904
CN104271494	A	2015-01-07	CN104271494
WO2014/164017	A1	2014-10-09	WO2014164017

Abstract

(EP2969904)

A method for dispensing a beverage from a bottle that includes communicating a dispensing authorization message from a control unit to at least one of a server interface carried by a beverage server and a pour spout secured to a bottle, wherein the dispensing authorization message at least one of includes or initiates a dispensing command, and wherein the pour spout responds to the dispensing command by opening a spout valve through which a beverage flows from the bottle and out of the pour spout.

Inventors

KEATING MICHAEL J

LAMOND DONALD R

FAUST RONALD F

GILES THOMAS E

DORSEY ALBERT H

Latest standardized assignees - inventors removed

BANK OF AMERICA

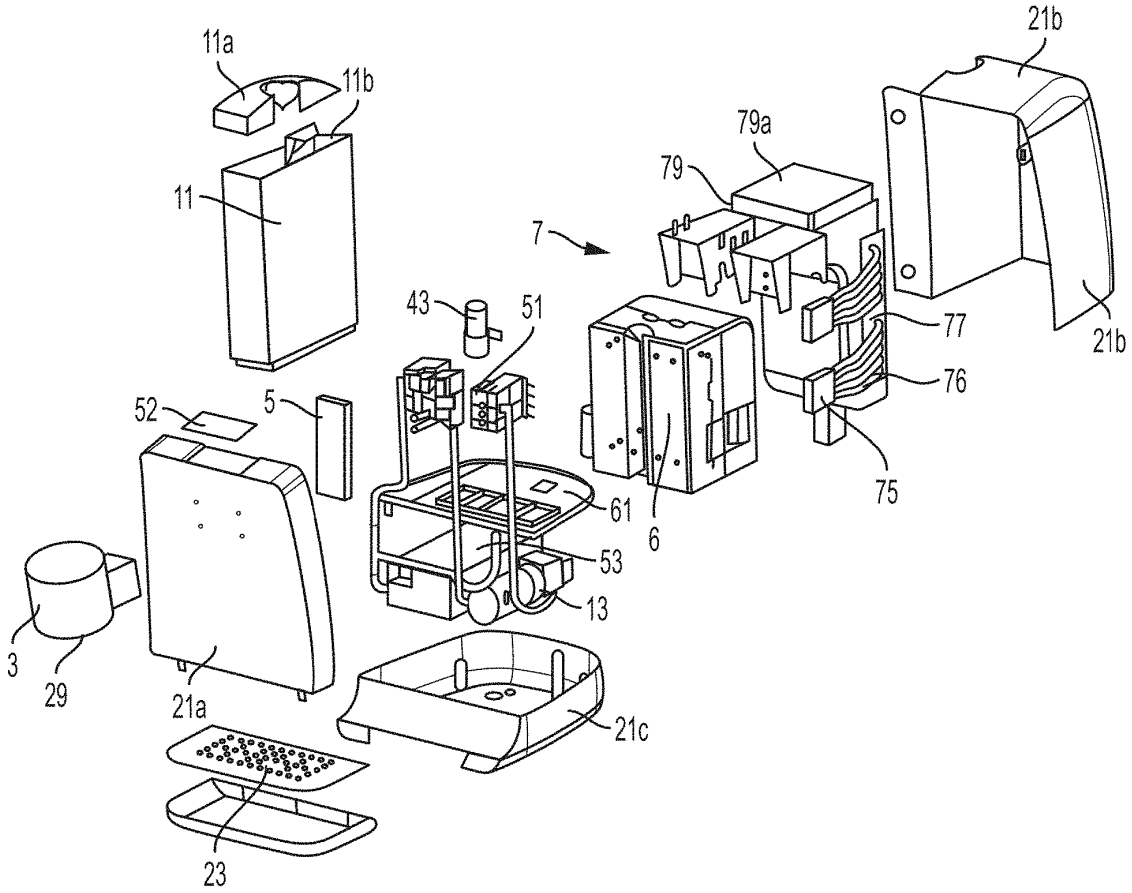
Family 48/200 - FAMPAT - ©Questel

Title

(EP3209172)

Flow circuit for carbonated beverage machine

Images



Publication data including kind & date

AU2015336165	B2	2019-08-29	AU2015336165
US20190166886	A1	2019-06-06	US20190166886
US10201171	B2	2019-02-12	US10201171
EP3209172	A1	2017-08-30	EP3209172
AU2015336165	A1	2017-05-11	AU2015336165
CA2965136	A1	2016-04-28	CA2965136
WO2016/064794	A1	2016-04-28	WO201664794
US20160106136	A1	2016-04-21	US20160106136

Abstract

(EP3209172)

Systems, methods and cartridges for carbonating or otherwise dissolving gas in a precursor liquid, such as water, to form a beverage. Carbonating gas can be provided to a tank (6) via the tank outlet, thereby purging at least a portion of a dispense line leading from the tank to a dispensing station. A single pump (13) may be used to deliver liquid to the tank, e.g., for carbonation, and to pump pressurized air to dispense liquid from the tank. A water trap may help remove moisture from carbonating gas.

Inventors

GORDON JEREMY B
JOHNSON BRIAN B
RAPHAELSON STEVEN
LIUZZA MARIO
GRUBB SCOTT
BECKETT TREVOR

MACKEY STEVEN
FEDORKA THOMAS
NOVAK THOMAS J
PETERSON PETER RAE
HEMBER MILES
CAFARO ENRICO RAFFAELE

Latest standardized assignees - inventors removed

BEDFORD SYSTEMS

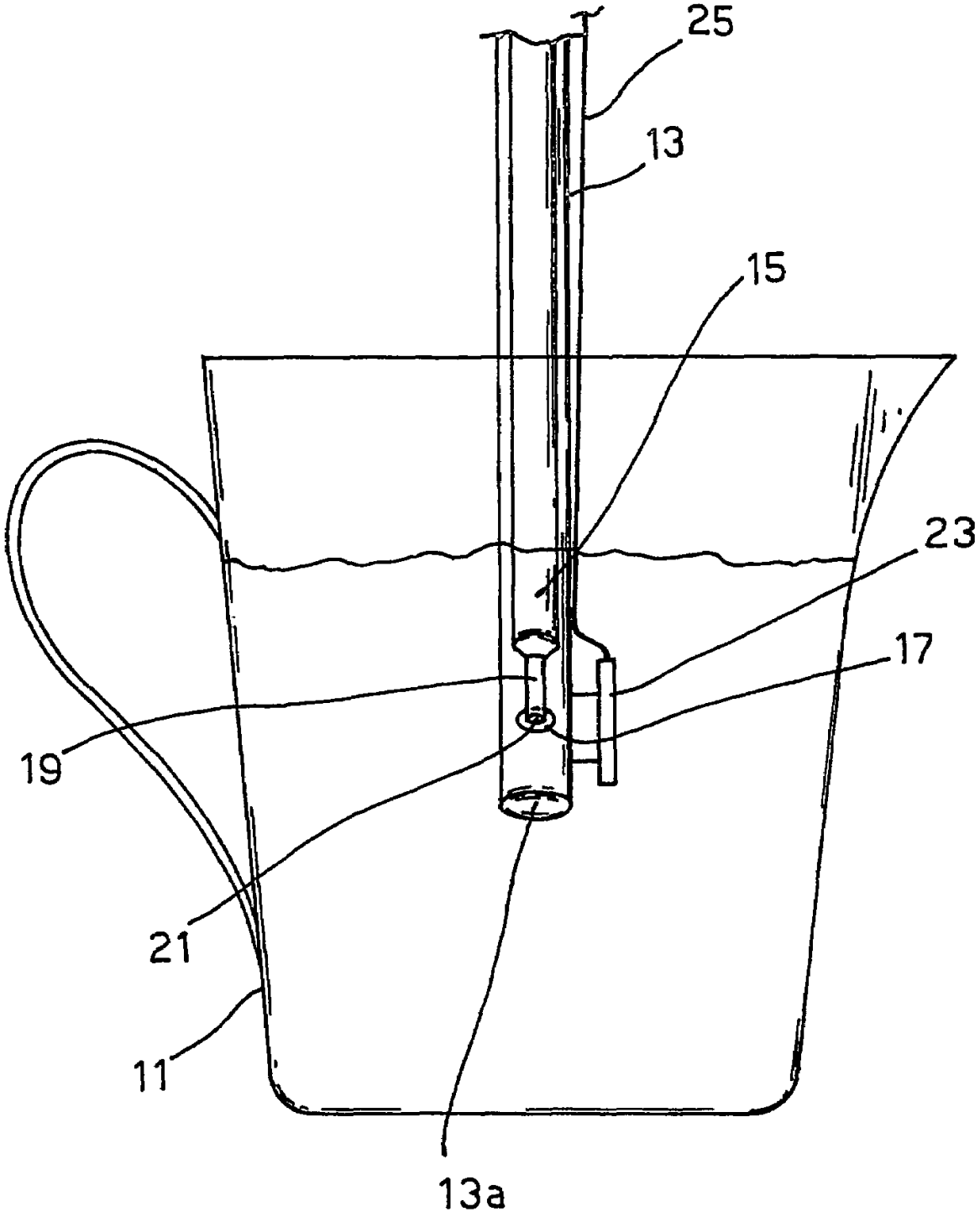
Family 49/200 - FAMPAT - ©Questel

Title

(EP1610658)

Steam automatic dispensing device for preparing hot and/or frothed drinks

Images



Publication data including kind & date

AU2004228777	B2	2009-09-24	AU2004228777
ES2311817	T3	2009-02-16	ES2311817
US7487711	B2	2009-02-10	US7487711
CN100455239	C	2009-01-28	CN100455239C
PT1610658	E	2008-11-18	PT1610658
DE602004015754	D1	2008-09-25	DE602004015754
AT404096	T	2008-08-15	ATE404096
EP1610658	B1	2008-08-13	EP1610658
US20060272516	A1	2006-12-07	US20060272516
CN1771001	A	2006-05-10	CN1771001
EP1610658	A2	2006-01-04	EP1610658
WO2004/089173	A3	2004-12-16	WO200489173
AU2004228777	A1	2004-10-21	AU2004228777
WO2004/089173	A2	2004-10-21	WO200489173
ITTO20030271	A1	2004-10-10	IT2003TO0271

Abstract

(EP1610658)

A steam automatic dispensing device for preparing hot and/or frothed drinks, comprising: a first duct (13) for introducing steam inside said drink; a second duct (15) for introducing air inside said drink; an electronic control unit (51) for controlling the introduction of steam and/or air through said first and second duct, said control unit being programmable to carry out a predetermined control cycle depending on the desired drink to be obtained and on the drink temperature.

Inventors

CARBONINI C

Latest standardized assignees - inventors removed

RANCILIO MACCHINE PER CAFFE

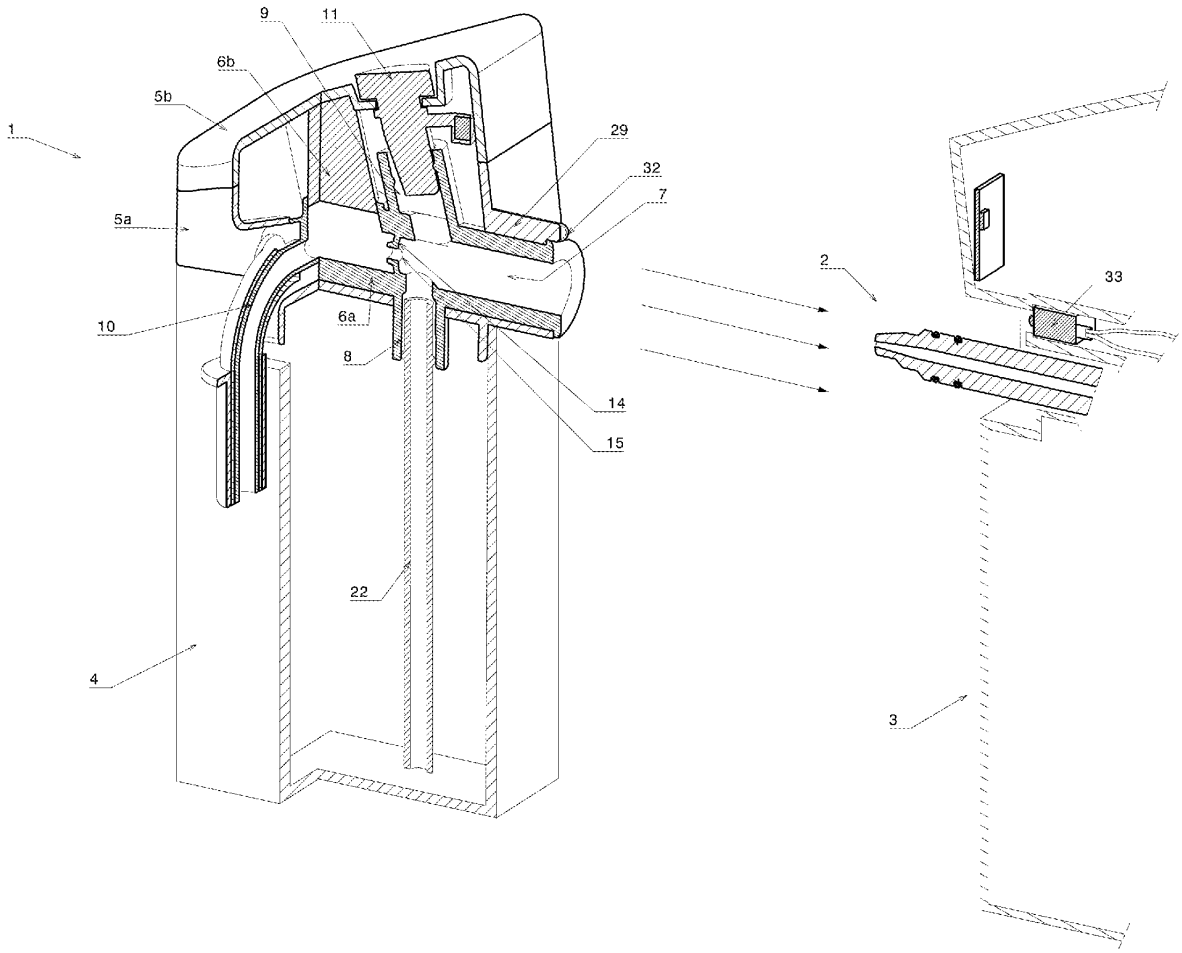
Family 50/200 - FAMPAT - ©Questel

Title

(EP2896332)

Device associable with a steam dispensing nozzle of a coffee machine for the production of a milk-based beverage

Images



Publication data including kind & date

US9962033	B2	2018-05-08	US9962033
EP2896332	B1	2016-08-17	EP2896332
EP2896332	A1	2015-07-22	EP2896332
US20150196160	A1	2015-07-16	US20150196160

Abstract

(EP2896332)

A device (1) associable with a steam dispensing nozzle (2) of a coffee machine (3) for the production of a milk-based beverage, comprising a milk container (4) fitted with a lid (5) in which there is incorporated a mixing device comprising a mixing chamber (6), a channel (7) for the inflow of steam into the mixing chamber (6), a channel (8) for the inflow of milk into the mixing chamber (6), a channel (9) for the inflow of air into the mixing chamber (6), and a channel (10) for dispensing the beverage produced in the mixing chamber, the air inflow channel (9), the milk inflow channel (8), the steam inflow channel (7) and the dispensing channel (10) being made in one piece of elastically deformable rubber.

Inventors

DE LONGHI GIUSEPPE

ZARATIN ENRICO

CERTOSSI FRANCESCA

Latest standardized assignees - inventors removed

DE LONGHI APPLIANCES

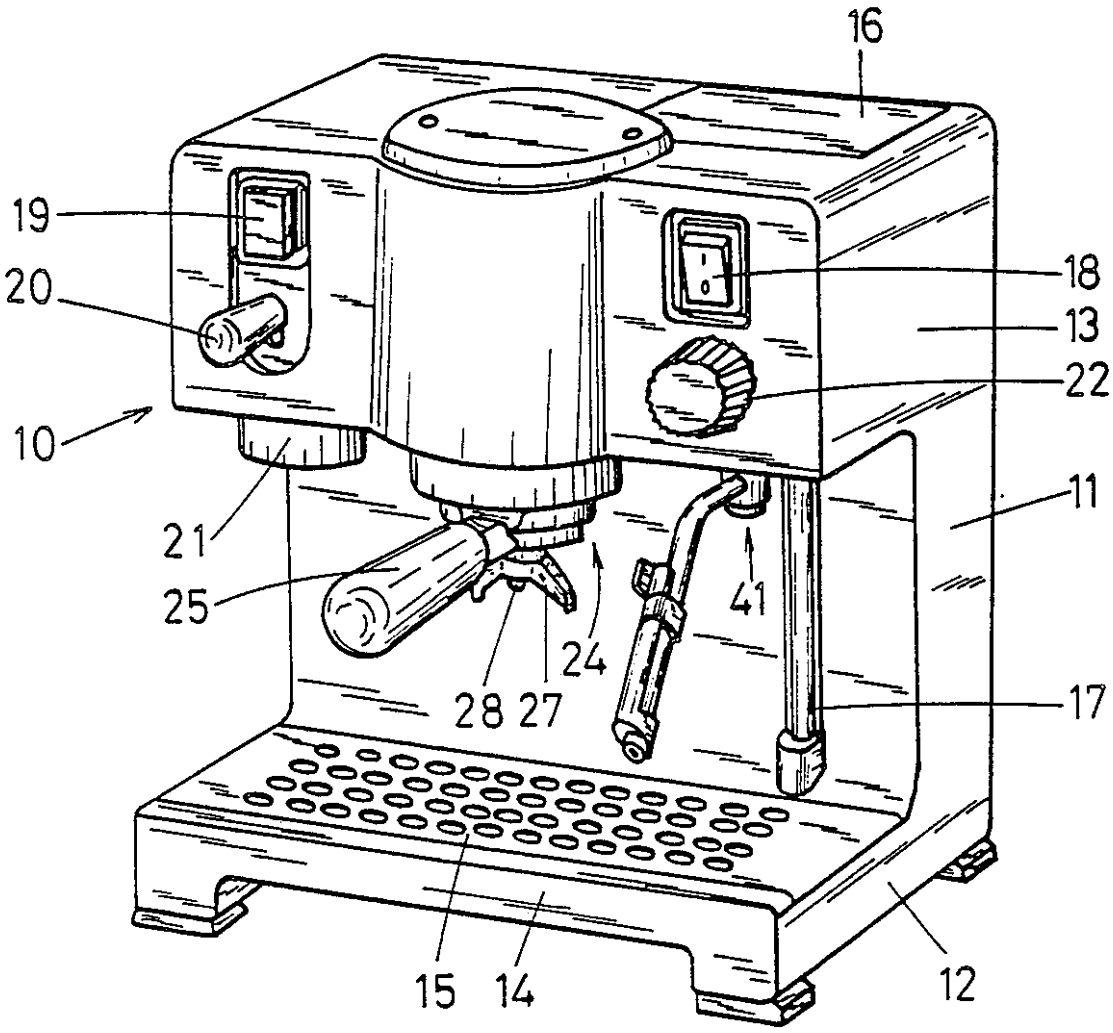
Family 51/200 - FAMPAT - ©Questel

Title

(US4852474)

Espresso machine with cappuccino making attachment

Images



Publication data including kind & date

US4852474 A 1989-08-01 US4852474

Abstract

(US4852474)

An espresso machine wherein a steam supplying first conduit is separably coupled to a second conduit having an air admitting inlet and an air discharging outlet. When the first conduit admits steam into the second conduit between the inlet and the outlet, such steam draws atmospheric air by way of the inlet and the resulting steam-air mixture is discharged by way of the outlet to frothe milk in a vessel into which the outlet of the second conduit extends. The rate of admission of air into the inlet of the second conduit is regulated by a valving element which is mounted on the second conduit and can be rotated by a handle so as to move a hole of the valving element relative to the inlet and to thus alter the cross-sectional area of the path for the flow of air into the second conduit. If the inlet of the second conduit is completely sealed from the atmosphere, the outlet discharges only steam which can be used to heat cups prior to pouring of espresso coffee.

Inventors

MAHLICH GOTTHARD C

BORGMANN MICHAEL

Latest standardized assignees - inventors removed

ROBERT KRUPS STIFTUNG

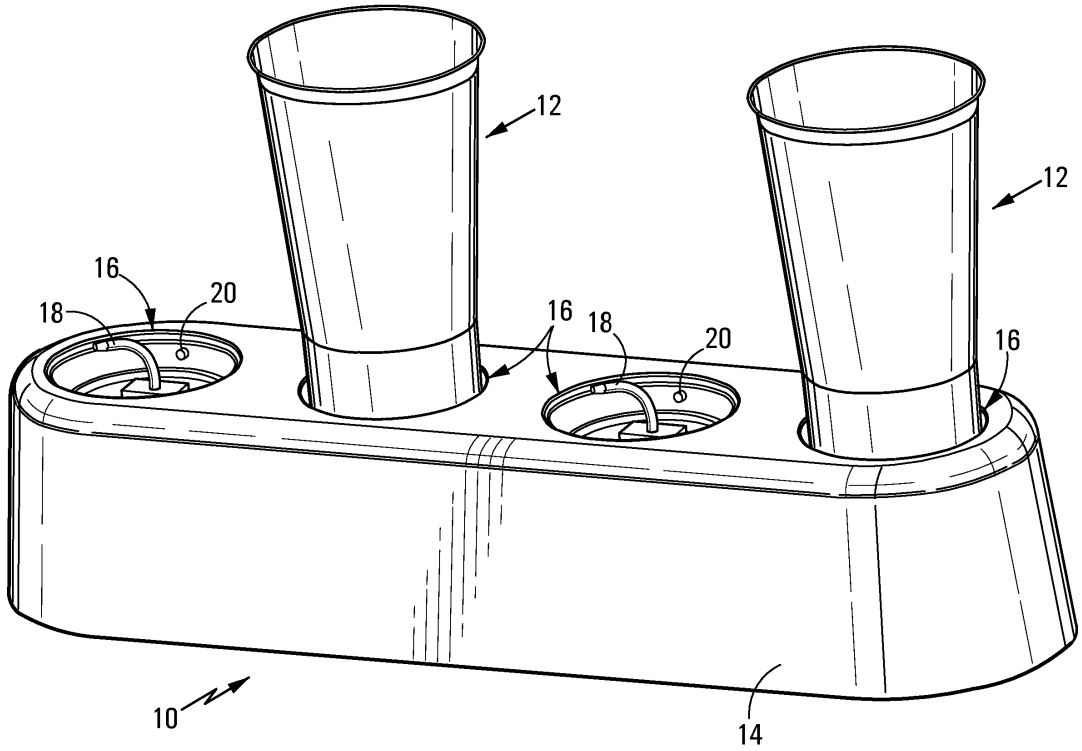
Family 52/200 - FAMPAT - ©Questel

Title

(EP2029470)

A liquid dispensing system

Images



Publication data including kind & date

EP2029470	B1	2016-08-17	EP2029470
US8151838	B2	2012-04-10	US8151838
ZA200810795	B	2012-02-29	ZA200810795
AU2007257569	B2	2012-02-02	AU2007257569
US20100230007	A1	2010-09-16	US20100230007
EP2029470	A1	2009-03-04	EP2029470
AU2007257569	A1	2007-12-13	AU2007257569
WO2007/141719	A1	2007-12-13	WO2007141719

Abstract

(EP2029470)
The invention relates to a liquid dispensing system. The system includes a liquid dispensing apparatus (10, 50) having liquid dispensing nozzles (18) and containers (12, 52) that each have a one-way valve (30, 70) located in a charging opening defined in the base region thereof. A container is positionable on the apparatus with a dispensing nozzle penetrating the container via the charging opening and the one-way valve thereof, providing for bottom filling of the container and sealing of the charging opening by the one-way valve when the dispensing nozzle is retracted from the container.

Inventors

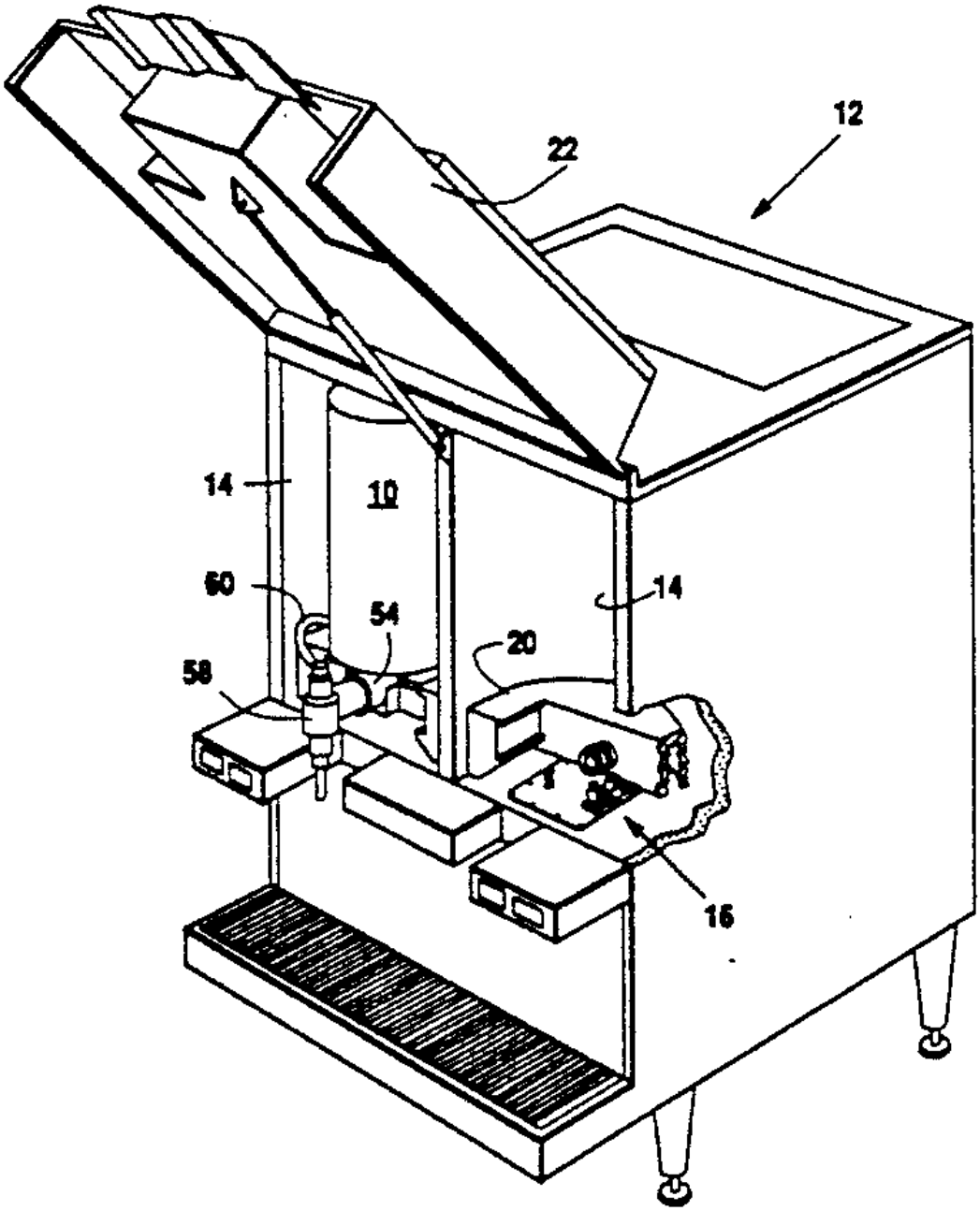
SEABORNE CAMERON
CREED GREGORY EDWARD

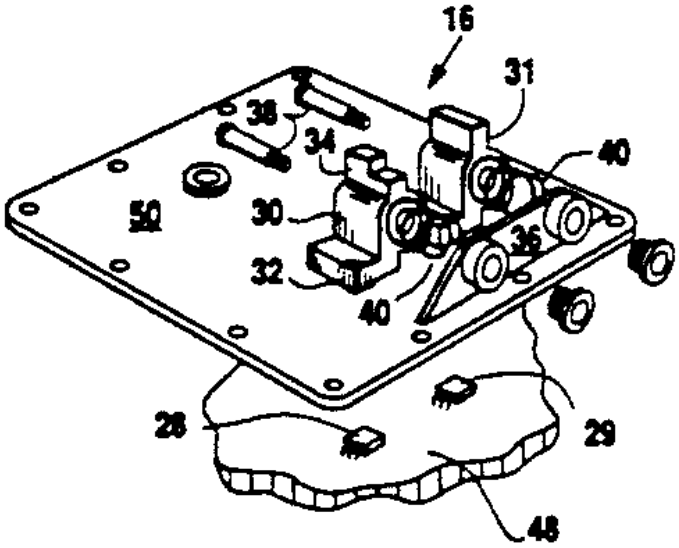
Family 53/200 - FAMPAT - ©Questel

Title

(US5312017)
Product identification system for beverage dispenser

Images





Publication data including kind & date

US5312017	A	1994-05-17	US5312017

Abstract

(US5312017)

A system for automatically identifying the desired concentrate to water ratio of a juice product in a concentrate container inserted into a juice dispenser and for automatically switching the ratio control system to the desired ratio. The system includes a product ratio I.D. member having ratio indicia on the fill plug of the container and a sensor in the dispenser. The sensed information is used by the ratio control system in the dispenser to change the pump motor speed to provide the desired ratio.

Inventors

SCHROEDER ALFRED A
ROMANYSZYN JR MICHAEL T
WITTIG NORMAN P
BRUMLEY JACK F

Latest standardized assignees - inventors removed

COCA COLA

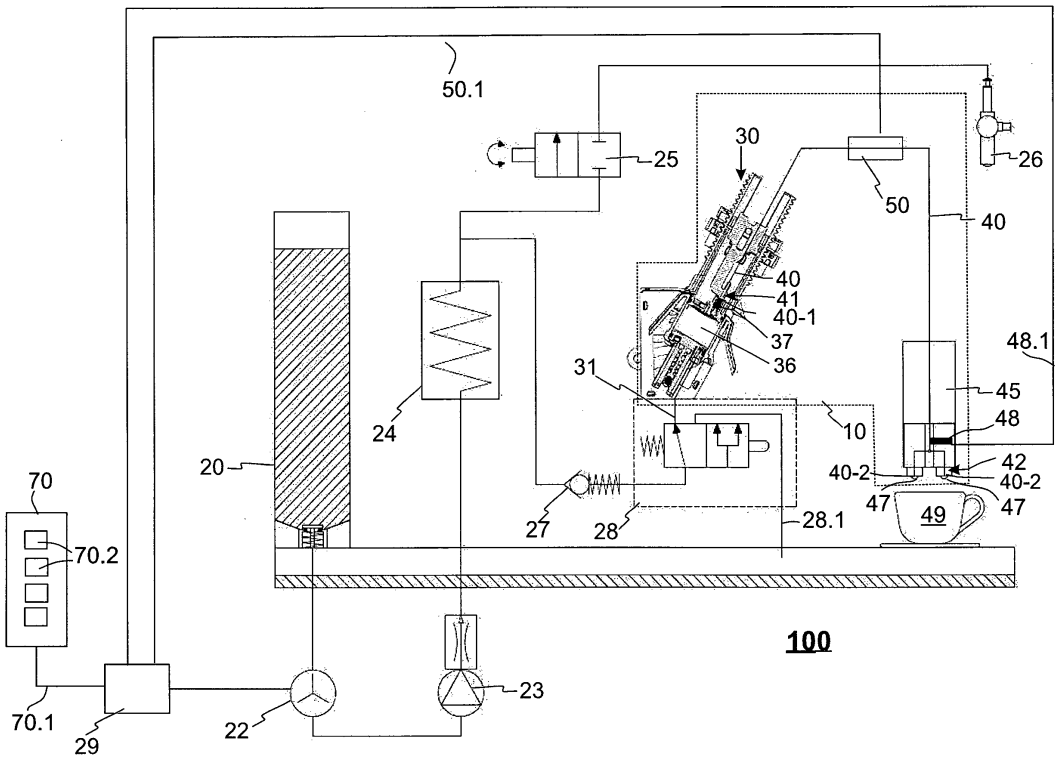
Family 54/200 - FAMPAT - ©Questel

Title

(EP2397054)

Brewing device with a coffee reheater

Images



Publication data including kind & date

AU2011267761	B9	2017-07-06	AU2011267761
MX345858	B	2017-02-20	MX-345858
AU2011267761	B2	2017-02-02	AU2011267761
BR112012031164	A2	2016-11-01	BR112012031164
HK1179135	A1	2016-04-01	HK1179135
US9295359	B2	2016-03-29	US9295359

RU2568580	C2	2015-11-20	RU2568580
CN102970908	B	2015-08-05	CN102970908B
EP2582273	B1	2015-05-27	EP2582273
RU2012147937	A	2014-07-20	RU2012147937
BR112012031164	A1	2013-12-31	BR112012031164
ZA201208566	B	2013-09-25	ZA201208566
US20130156913	A1	2013-06-20	US20130156913
EP2582273	A1	2013-04-24	EP2582273
CN102970908	A	2013-03-13	CN102970908
MX2012013763	A	2013-02-26	MX2012013763
AU2011267761	A1	2012-12-06	AU2011267761
CA2802222	A1	2011-12-22	CA2802222
WO2011/156929	A1	2011-12-22	WO2011156929
EP2397054	A1	2011-12-21	EP2397054

Abstract

(EP2397054)

The device (10) has a brewing unit (30) with a brewing water-supply line (31) supplying brewing water into the unit. The unit is connected with a coffee-output line (40) for outputting coffee beverage brewed in the unit. The coffee-output line includes a brewing unit-sided end region (41) for receiving the brewed coffee beverage, and an output-sided end region (42) for delivering the beverage. A coffee-reheater (50) reheats the beverage in the coffee-output line, and is arranged between the end regions. A pipe extends adjacent to a heating element e.g. ceramic thick film heater. Independent claims are also included for the following: (1) a coffee machine comprising a brewing device (2) a method for brewing and outputting coffee beverage.

Inventors

BUETTIKER PHILIPP

Latest standardized assignees - inventors removed

JURA ELEKTROAPPARTE

JURA ELEKTROAPPARATE

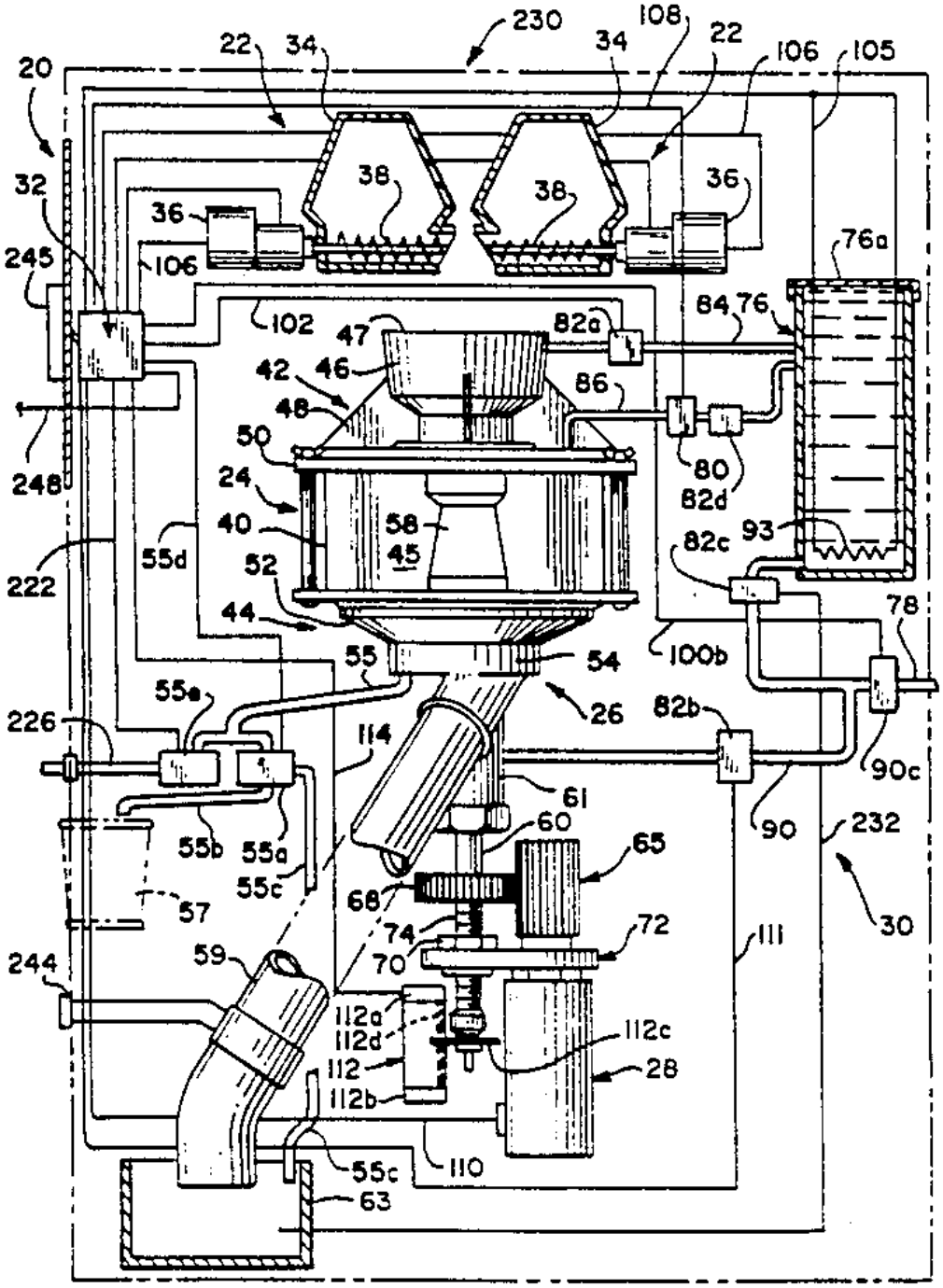
Family 55/200 - FAMPAT - ©Questel

Title

(US5303639)

Automatic brewer

Images



Publication data including kind & date

CA2086813	C	1997-01-07	CA2086813
US5303639	A	1994-04-19	US5303639
CA2086813	A1	1993-07-11	CA2086813

Abstract

(US5303639)

An automatic beverage brewing apparatus which includes a brew chamber having an inlet and an outlet and a water distribution system associated with the brew chamber for introducing brew water and flush water therein. A filter assembly is disposed in the brew chamber. An opening is formed through the filter assembly for communicating with the outlet of the brew chamber. A flush water dispenser is associated with the water distribution system and is positioned centrally in the brew chamber for rinsing inside surfaces of the brew chamber. A piston assembly disposed in the brew chamber including a spool and a device for controllably moving the spool in axial and rotary directions. The spool includes a head, a base, and a necked portion extending between the head and the base. The spool is disposed in the brew chamber with the head controllably movable in the inlet and the base controllably movable in the outlet for controllably opening and plugging the

inlet and outlet. A port is formed through an exterior surface of the spool between the head and the necked portion. The port is associated with the flush water dispenser for dispensing flush water therethrough. The invention also provides an apparatus and a method for producing large quantities of a desired brewed beverage. Multiple substance dispensers are provided to selectively combine a variety of substances to produce a desired brewed beverage. Heated water is conserved by the present invention by providing a control valve on the inlet line at the lower portion of the heated water reservoir.

Inventors

BUNN ARTHUR H

ANSON JAMES H

FORD DAVID F

Latest standardized assignees - inventors removed

BUNN O MATIC

Family 56/200 - FAMPAT - ©Questel

Title

(WO201978748)

Beverage preparation system with beverage receptacle retention

Images

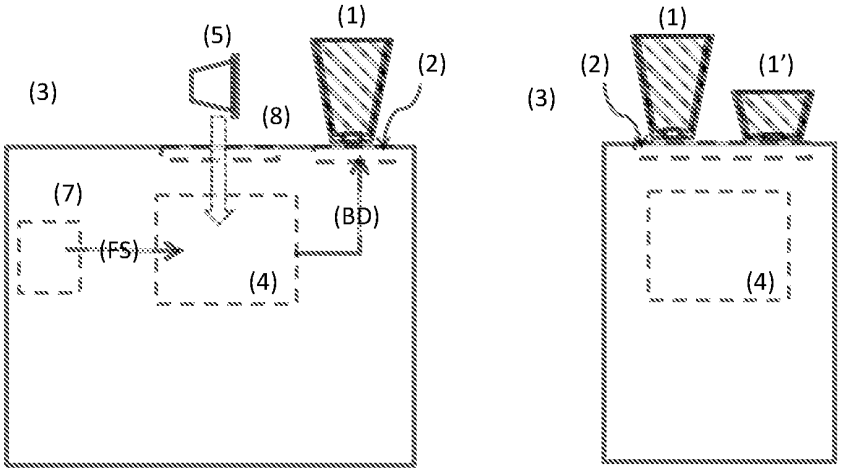


FIGURA 12

Publication data including kind & date

WO2019/078748 A1 2019-04-25 WO201978748

Abstract

(WO2019/078748)

The present invention discloses a system for preparing beverages, in particular aromatic beverages such as espresso coffee and similar, comprising at least one type of beverage receptacle (1, 1'), for example a cup, mug or similar, a beverage dispensing arrangement (2) associated with a beverage preparation device (3), wherein said beverage dispensing arrangement (2) is designed such that the beverage flow is dispensed through the base region (11) of the beverage receptacle (1, 1'), in a direction opposite to the force of gravity, and is characterized by said beverage receptacle (1, 1') having an interlocking portion (16) which is designed such that said beverage receptacle (1, 1') can be advantageously retained in said beverage dispensing arrangement (2) by simply turning said beverage receptacle (1, 1') from a placement position (I) to a retention position (II), and vice versa.

Inventors

MEDINA MUNDT JESÚS

DE JESUS ESTIMA JOSÉ MIGUEL

NABEIRO RUI MIGUEL
GONÇALVES MARTINS MARCO FILIPE

Latest standardized assignees - inventors removed

NOVADELTA COMERCIO E INDUSTRY DE CAFES

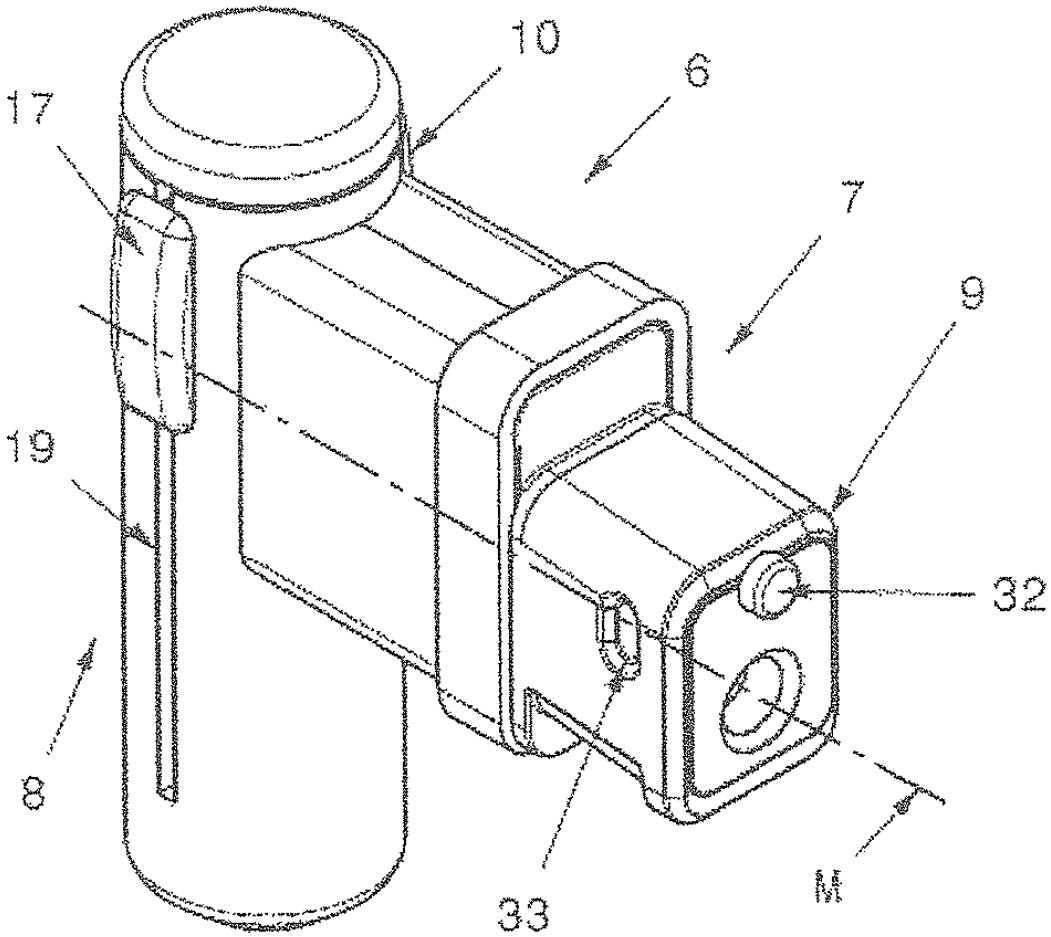
Family 57/200 - FAMPAT - ©Questel

Title

(EP2961297)

Automatic coffee machine with a water and/or steam dispenser

Images



Publication data including kind & date

CN105025760	B	2018-03-30	CN105025760B
US9795249	B2	2017-10-24	US9795249
EP2961297	B1	2016-11-23	EP2961297
US20160000260	A1	2016-01-07	US20160000260
EP2961297	A1	2016-01-06	EP2961297
CN105025760	A	2015-11-04	CN105025760
WO2014/131603	A1	2014-09-04	WO2014131603
ITMI20130285	A1	2014-08-28	IT2013MI0285

Abstract

(EP2961297)

The automatic coffee machine comprising a hydraulic circuit having a fixed terminal piece (5) for supplying water and/or

steam and that is accessible from the front wall (1) of the machine at a distance above the resting surface (4) of the machine, and a dispenser (6) that extends frontally of the front wall (1), the dispenser (6) comprising a hollow body having a first longitudinal portion (7) and a second longitudinal portion (8) that is rigidly connected to the first portion (7) and developing along an axis (L) transverse to that (M) of the first longitudinal portion (7), the first portion (7) having a first longitudinal end conformed for a rigid, removable hydraulic and mechanical connection with the terminal piece (5) and a second longitudinal end distal from the front wall (1) wherefrom the second portion (8) extends, the second longitudinal portion (8) slidingly supporting along the axis thereof an extension (11) for regulating the dispensing distance from the resting surface (4).

Inventors

DE LONGHI GIUSEPPE

AIBIONTI ANDREA

ALTOE EDY

Latest standardized assignees - inventors removed

DE LONGHI APPLIANCES

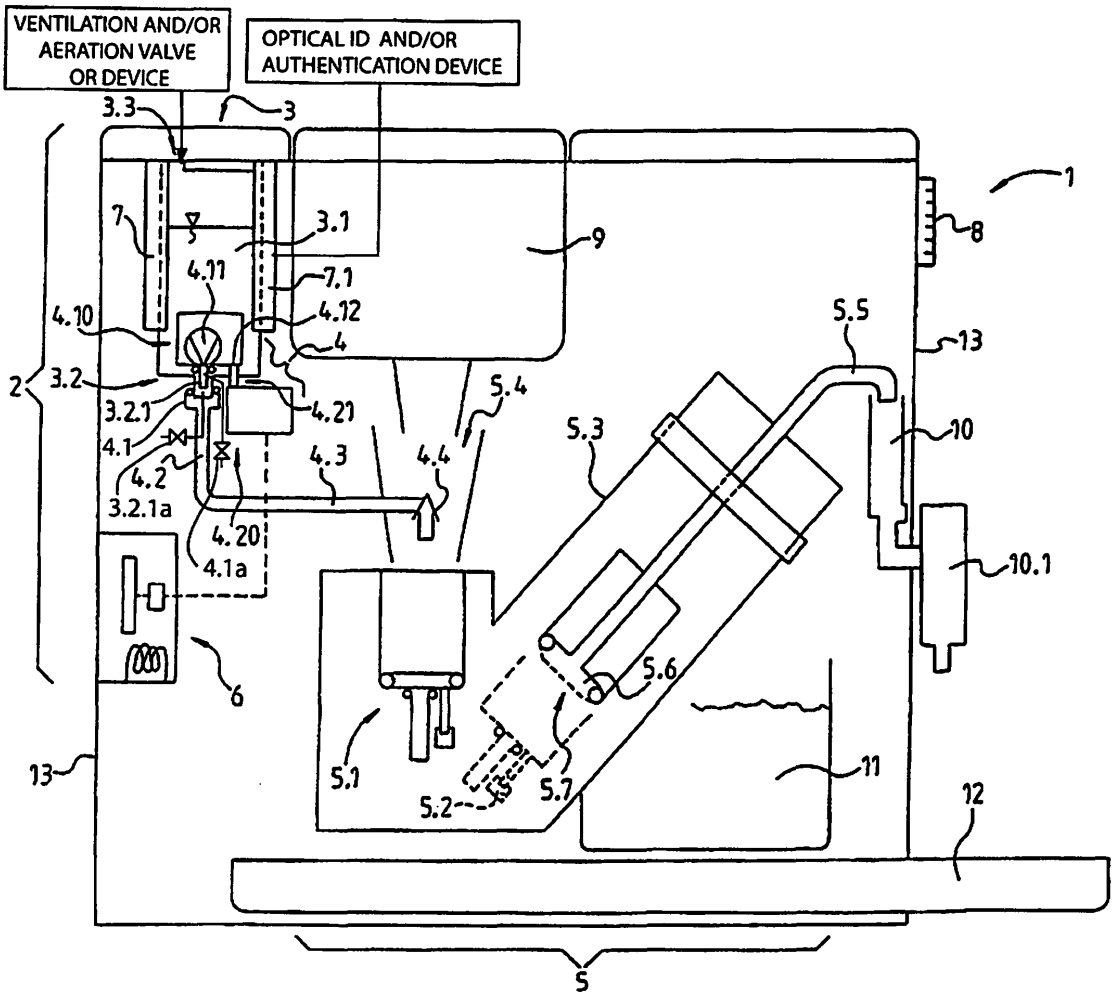
Family 58/200 - FAMPAT - ©Questel

Title

(EP2747619)

Cleaning dispenser

Images



Publication data including kind & date

EP2747619	B1	2019-08-28	EP2747619
US9474409	B2	2016-10-25	US9474409
US20140197193			

	A1	2014-07-17	US20140197193
EP2747619	A1	2014-07-02	EP2747619
DE102011111177	A1	2013-02-28	DE102011111177
WO2013/026567	A1	2013-02-28	WO201326567

Abstract

(EP2747619)

The invention relates to a beverage machine, in particular for preparing hot beverages, having a liquid cleaner interchangeable container designed as an interchangeable container, characterized in that parts of a liquid cleaner dispenser device are designed to be interchangeable with the liquid cleaner interchangeable container.

Inventors

WALLERSTORFER KURT

HEITELE BERND

Latest standardized assignees - inventors removed

AQUIS WASSER LUFT SYSTEME

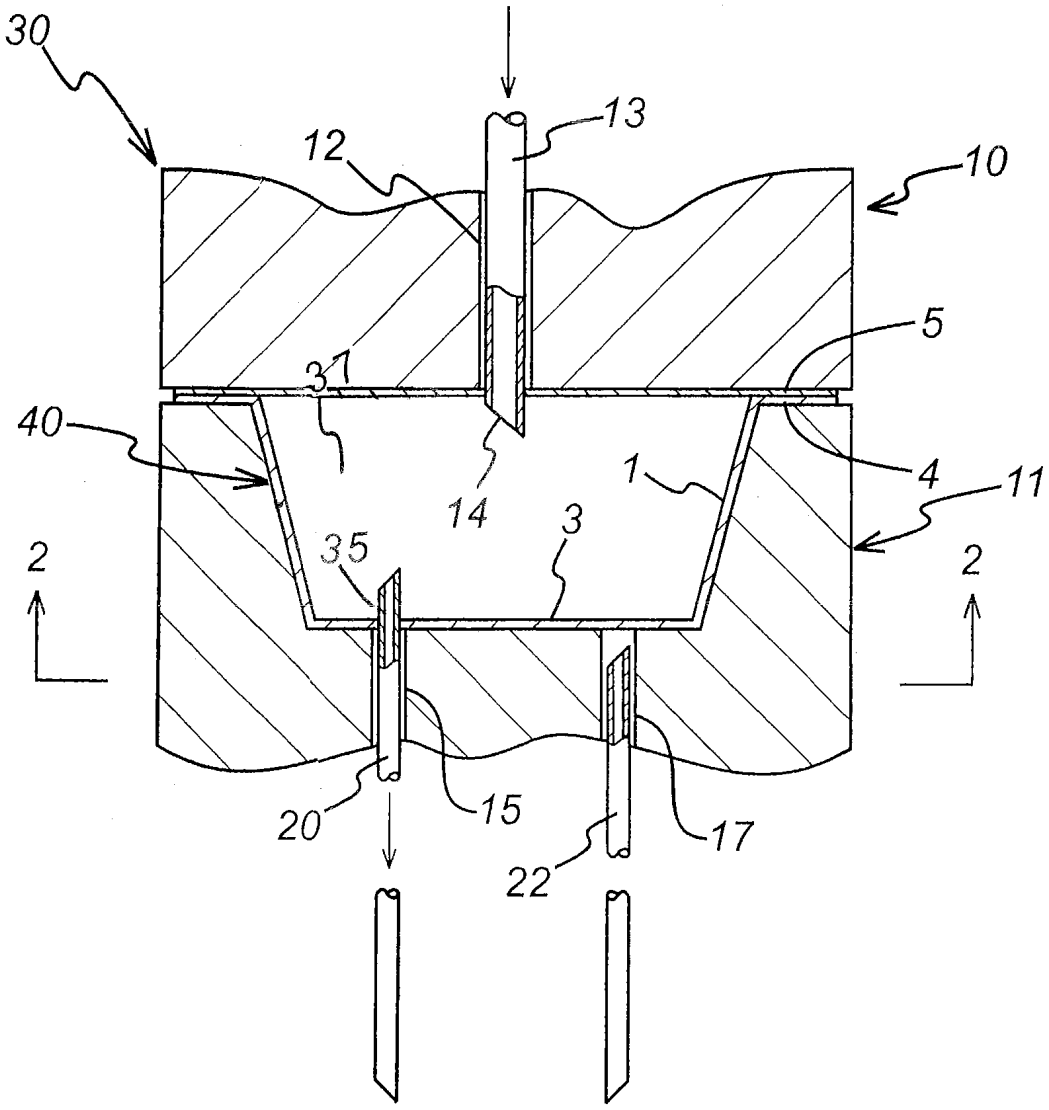
Family 59/200 - FAMPAT - ©Questel

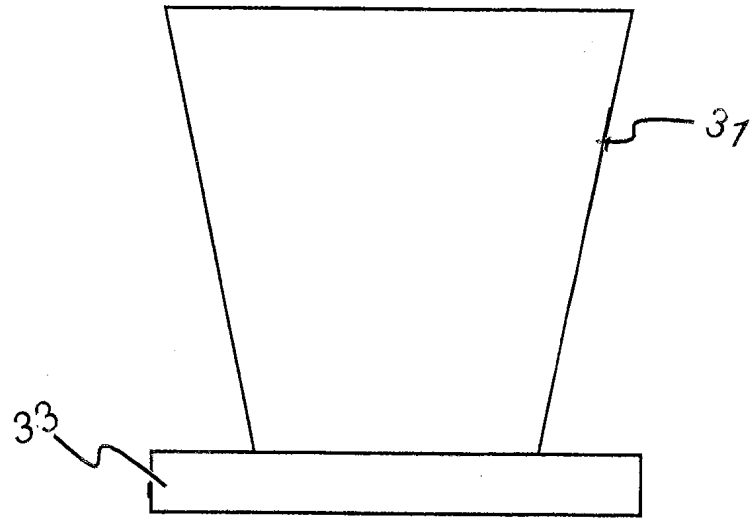
Title

(EP1518484)

Apparatus for making multiple beverages with reduced cross-contamination

Images





Publication data including kind & date

US7318372	B2	2008-01-15	US7318372
DE602004001189	T2	2007-04-26	DE602004001189
DE602004001189	D1	2006-07-27	DE602004001189

AT329513	T	2006-07-15	ATE329513
EP1518484	B1	2006-06-14	EP1518484
US20050066819	A1	2005-03-31	US20050066819
EP1518484	A1	2005-03-30	EP1518484
GB2406329	A	2005-03-30	GB2406329
GB0322757	D0	2003-10-29	GB200322757

Abstract

(EP1518484)

A beverage making apparatus for preparing a plurality of different beverages, said apparatus comprising: a receptacle station for receiving a receptacle for the beverage; a capsule receiving station having walls defining a cavity for receiving a capsule containing a beverage making ingredient; an inlet (13) for introducing water into a capsule in the said station to produce a beverage; and a beverage outlet for directing an outflow of beverage from the cavity to the receptacle station; wherein the apparatus comprises a plurality of different beverage outlets (20,21,22,23) that are interchangeable for making different beverages.

Inventors

COOKE JOHN

Latest standardized assignees - inventors removed

LAVAZZA PROFESSIONAL NORTH AMERICA

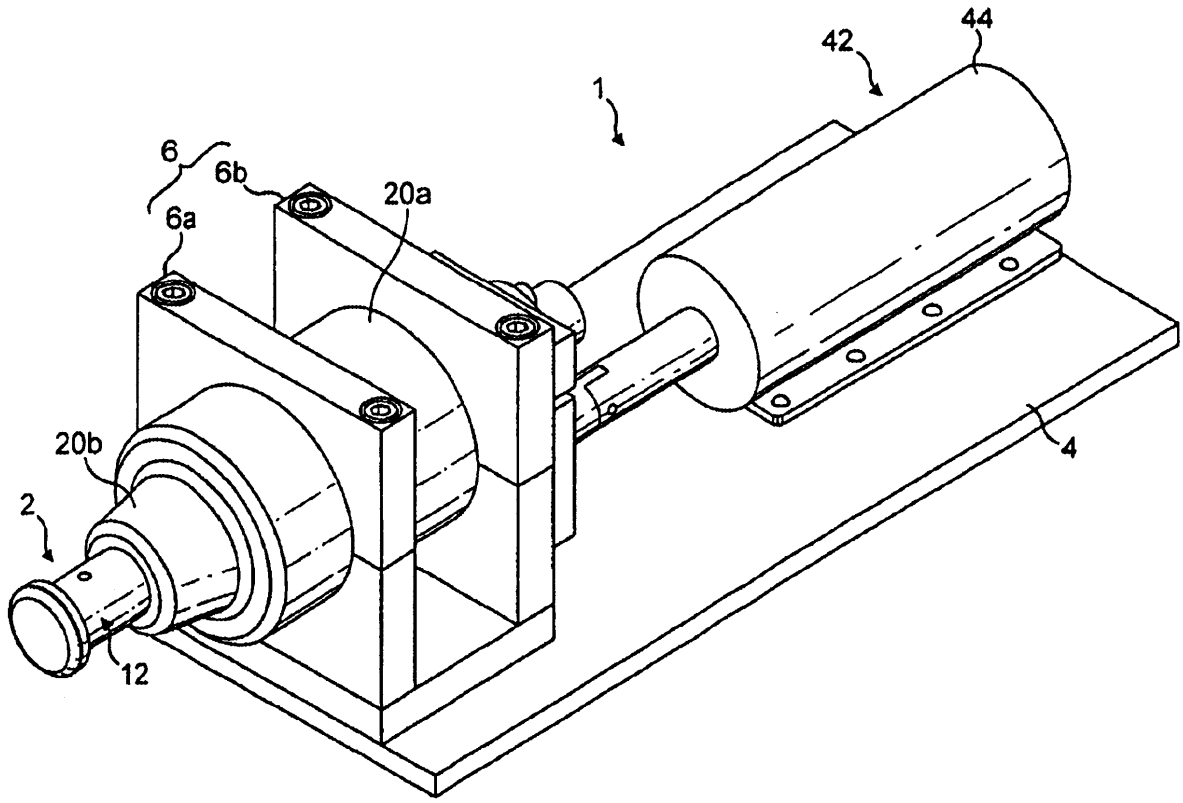
Family 60/200 - FAMPAT - ©Questel

Title

(EP1501755)

Fluid dispensing device with self-cleaning nozzle and cleaning method

Images



Publication data including kind & date

ES2398745	T3	2013-03-21	ES2398745
BR0309561	B1	2012-12-25	BR200309561
EP1501755	B1	2012-11-14	EP1501755

BRPI0309561	A2	2012-02-22	BR200309561
JP4494802	B2	2010-04-16	JP4494802
IN3616/DELNP/2004	A	2009-10-09	IN2004DN03616
PL203125	B1	2009-08-31	PL-203125
CA2483465	C	2009-03-10	CA2483465
IL164526	B	2009-02-11	IL-164526
AU2003227628	C1	2008-11-13	AU2003227628
AU2003227628	B2	2008-04-03	AU2003227628
RU2312058	C2	2007-12-10	RU2312058
HK1077800	A1	2007-09-21	HK1077800
CN1321052	C	2007-06-13	CN1321052C
TWI276468	B	2007-03-21	TWI276468
NZ536044	A	2006-10-27	NZ-536044
ZA200409545	B	2006-02-22	ZA200409545
IL164526	A	2005-12-18	IL-164526
BG108901	A	2005-11-30	BG-108901
JP2005523850	A	2005-08-11	JP2005523850
CN1649793	A	2005-08-03	CN1649793
PL371530	A1	2005-06-27	PL2003371530
RU2004134566	A	2005-06-10	RU2004134566
BR0309561	A	2005-02-15	BR200309561
BRPI0309561	A1	2005-02-15	BRPI0309561
EP1501755	A2	2005-02-02	EP1501755
UA77079	C2	2005-01-17	UA--77079
HRP20041004	A2	2004-12-31	HRP20041004
MXPA04010592	A	2004-12-13	MX2004PA010592
NO20044798	L	2004-11-04	NO20044798
US6769627	B2	2004-08-03	US6769627
TW200404606	A	2004-04-01	TW200404606
WO03/91152	A3	2004-03-11	WO200391152
AU2003227628	A1	2003-11-10	AU2003227628
CA2483465	A1	2003-11-06	CA2483465
WO03/91152	A2	2003-11-06	WO200391152
US20030201337	A1	2003-10-30	US20030201337

Abstract

(EP1501755)

The invention relates to a fluid or beverage dispensing device having self-cleaning dispensing nozzle. The device includes a body provided with a conduit having a first end to which a dispensing nozzle is connected, and a second end to which a fluid inlet line is intended to be connected. The device further includes a collector member that can move relative to the body between a first dispensing position in which the outlet of the nozzle is released from the collector member and a second cleaning position in which the collector member is placed in front of the nozzle outlet to collect any fluid that exits the outlet.

Inventors

CARHUFF PETER
DICKINSON EDWARD L
HARVEY ANDREW C
KOLVEK EDWARD M

Latest standardized assignees - inventors removed

NESTLE

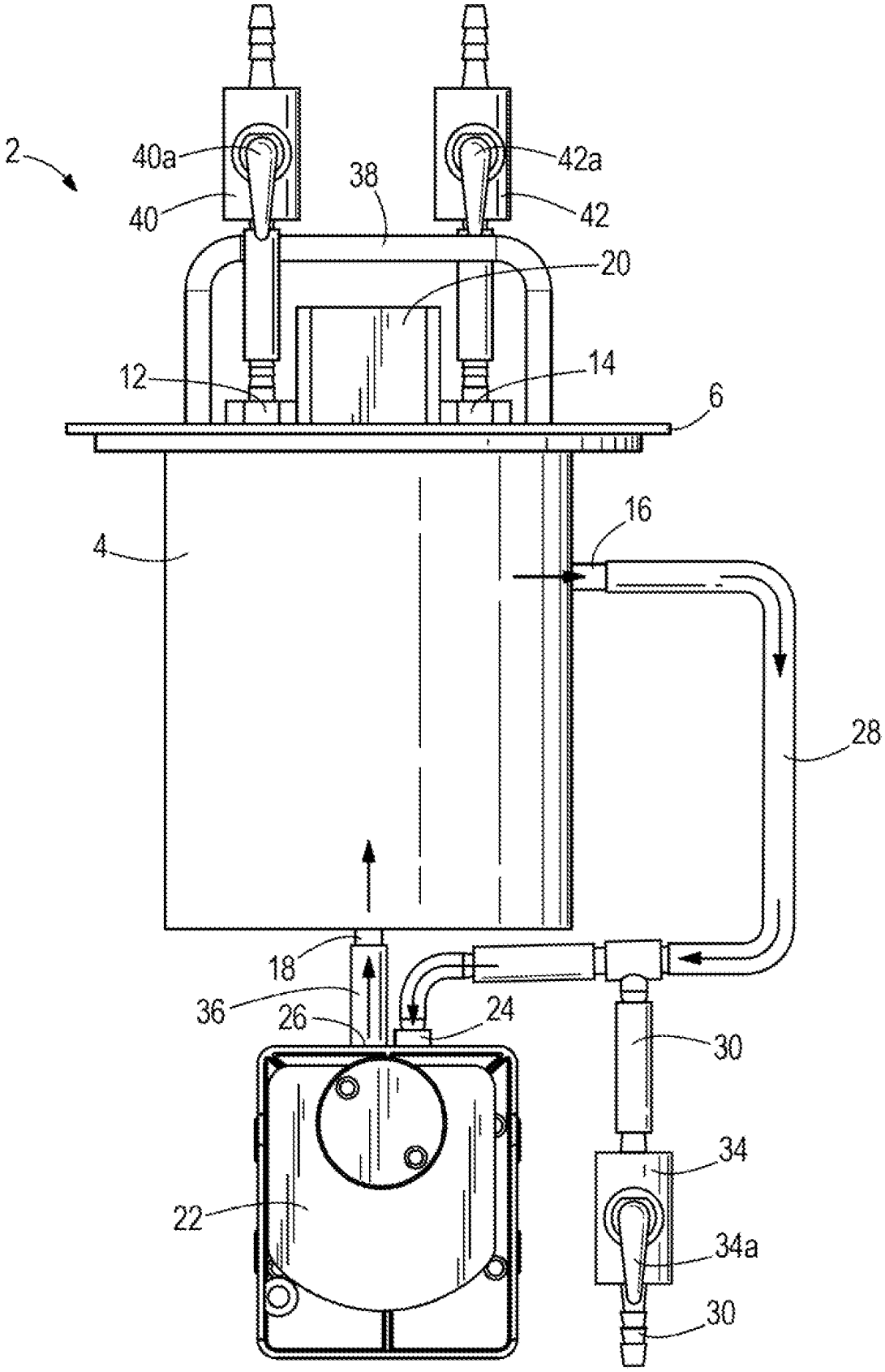
Family 61/200 - FAMPAT - ©Questel

Title

(EP3116354)

Devices and methods for brewing and/or steeping tea

Images



Publication data including kind & date

BR112016021230	A2	2018-06-26	BR112016021230
BR112016021230	A1	2018-06-12	BR112016021230

EP3116354	A4	2017-12-20	EP3116354
IN201627029631	A	2017-09-08	IN201627029631
JP2017512537	A	2017-05-25	JP2017512537
EP3116354	A1	2017-01-18	EP3116354
KR20160132397	A	2016-11-18	KR20160132397
CN106102524	A	2016-11-09	CN106102524
US9456715	B2	2016-10-04	US9456715
US20160157667	A1	2016-06-09	US20160157667
US9295360	B2	2016-03-29	US9295360
US20150257587	A1	2015-09-17	US20150257587
WO2015/139030	A1	2015-09-17	WO2015139030

Abstract

(EP3116354)

Disclosed are devices and methods for brewing and steeping tea. The devices and methods for brewing and steeping tea utilize steam, heated liquid, agitation, and recirculation.

Inventors

DYAVARASEGOWDA ASHOK KUMARA

RANGANATH SERVESH ADDERI

PATTABI RAMARAJU SURAPARAJU

KULKARNI NISHANT

GARASCIA JEFF

SANCHEZ FERNANDO

Latest standardized assignees - inventors removed

IMI CORNELIUS

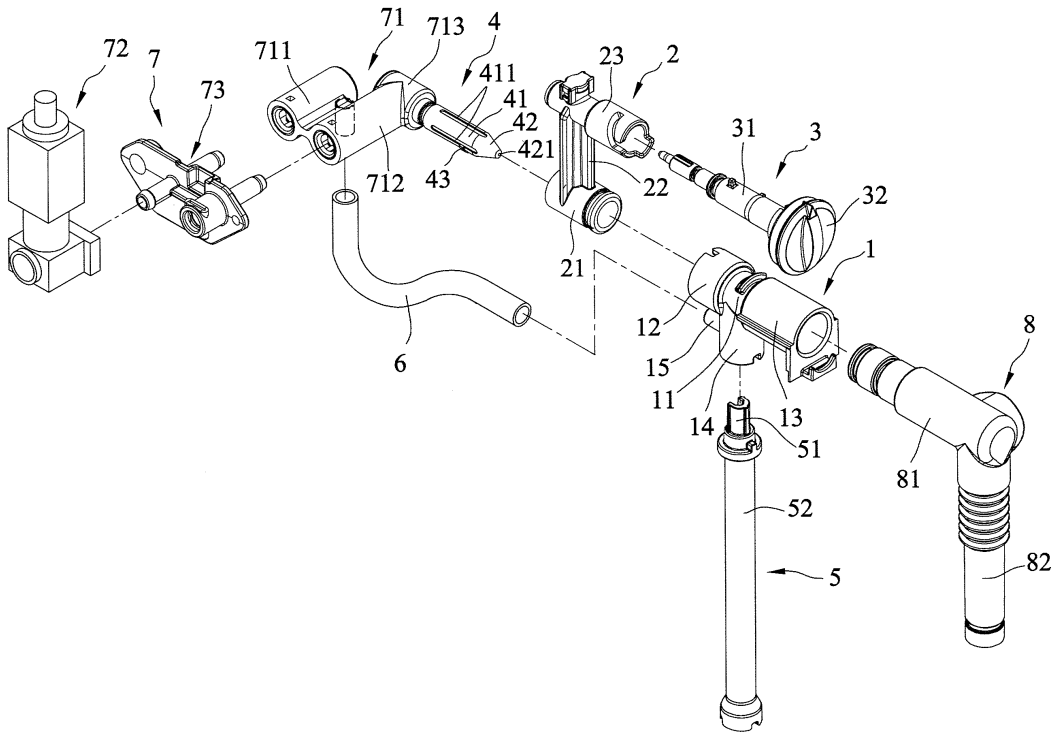
Family 62/200 - FAMPAT - ©Questel

Title

(EP2859820)

Self-cleaning milk foaming device

Images



Publication data including kind & date

ES2596413	T3	2017-01-09	ES2596413
US9498082	B2	2016-11-22	US9498082
EP2859820	B1	2016-08-24	EP2859820
EP2859820	A1	2015-04-15	EP2859820
US20150097303	A1	2015-04-09	US20150097303
CN203468337	U	2014-03-12	CN203468337U

Abstract

(EP2859820)

A self-cleaning milk foaming device includes a mixing unit (1), a steam jet unit (4) and a control unit (7). The mixing unit (1) has a mixing chamber (16), and a milk inlet passage (141), a cleaner inlet passage (142) and a foaming gas inlet passage (121) communicated with the mixing chamber (16). The mixing chamber (16) has a milk outlet nozzle (161), an upstream section (162), and a downstream section (163) disposed between the upstream section (162) and the milk outlet nozzle (161). The milk inlet passage (141) is situated between the cleaner inlet passage (142) and the milk outlet nozzle (161). The foaming gas inlet passage (121) is disposed upstream of the milk inlet passage (141). The steam jet unit (4) is for supplying steam into the mixing chamber (16). The control unit (7) is for controlling the cleaner to flow or to stop flowing into the cleaner inlet passage (142).

Inventors

ZHANG YAN-XIANG

Latest standardized assignees - inventors removed

TSANN KUEN ENTERPRISE

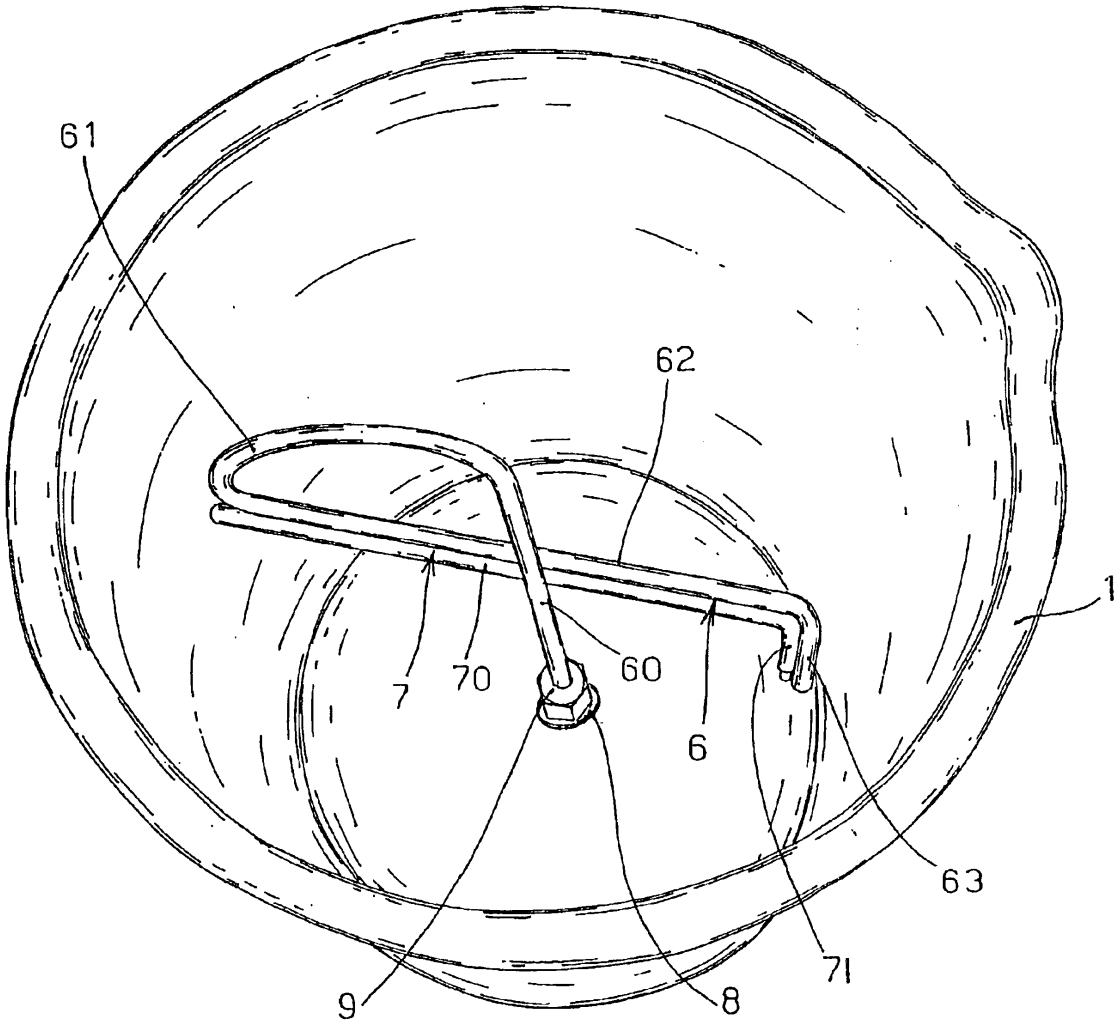
Family 63/200 - FAMPAT - ©Questel

Title

(EP1294263)

Automatic device for heating and frothing a liquid, in particular milk

Images



Publication data including kind & date

DE60119516	T2	2007-05-03	DE60119516
ES2264703	T3	2007-01-16	ES2264703
PT1294263	E	2006-08-31	PT1294263
AT325570	T	2006-06-15	ATE325570
DE60119516	D1	2006-06-14	DE60119516
EP1294263	B1	2006-05-10	EP1294263
US20050115419	A1	2005-06-02	US20050115419
CN1192741	C	2005-03-16	CN1192741C
US6840163	B2	2005-01-11	US6840163
AU2001285764	B2	2004-07-08	AU2001285764
US20040107843	A1	2004-06-10	US20040107843
IT1320447	B1	2003-11-26	IT1320447
CN1437455	A	2003-08-20	CN1437455
EP1294263	A1	2003-03-26	EP1294263
AU8576401	A	2002-01-02	AU200185764
WO01/97668	A1	2001-12-27	WO200197668
ITTO20000616	A1	2001-12-24	IT2000TO0616
ITTO20000616	D0	2000-06-23	IT2000TO0616

Abstract

(EP1294263)

An automatic device for heating and frothing a liquid, in particular milk, comprises a container (1) for the liquid, inside which

a first tube (6) for introducing pressurised steam into the liquid is removably mounted. The first tube (6) has an inlet in correspondence of the bottom of the container (1), for receiving steam from a duct located within a support base (3) of the container (1), and is secured, for at least part of its length, to a second tube (7) for introducing air into the liquid.

Inventors

OLDANI RENZO

BOTTELI ELIANO

Latest standardized assignees - inventors removed

RANCILIO MACCHINE PER CAFFÈ

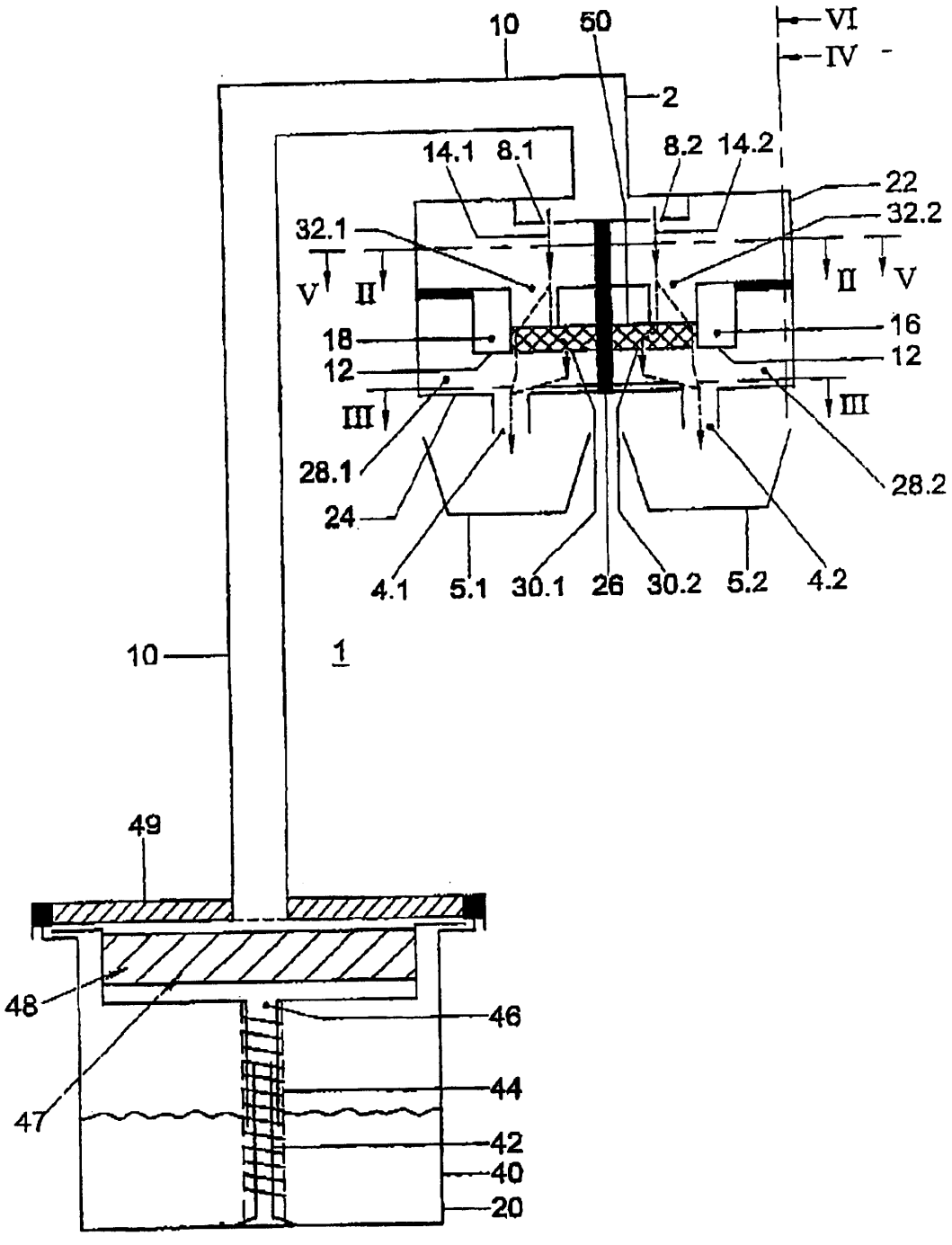
Family 64/200 - FAMPAT - ©Questel

Title

(EP1317200)

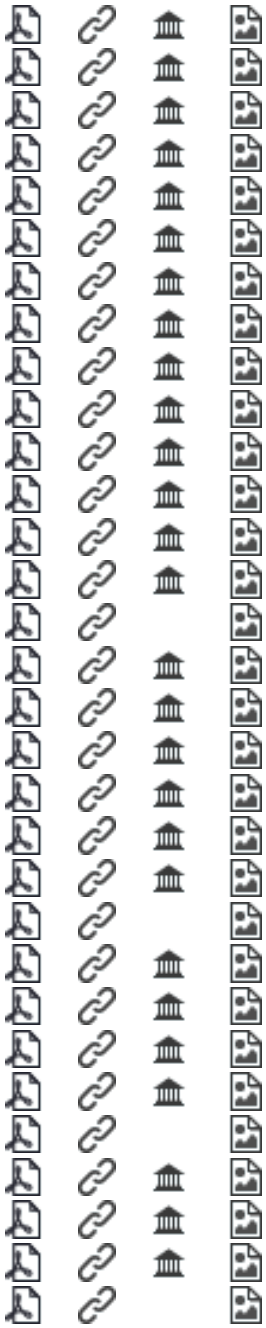
Apparatus for preparing a coffee extract with a fine-bubble froth layer using a rough impact surface

Images



Publication data including kind & date

JP5450670	B2	2014-01-10	JP5450670
JP4990475	B2	2012-05-11	JP4990475
JP2012061368	A	2012-03-29	JP2012061368
CA2421239	C	2008-11-18	CA2421239
KR100782432	B1	2007-12-05	KR100782432
NO322469	B1	2006-10-09	NO-322469
CN1251638	C	2006-04-19	CN1251638C
AU2002211054	B9	2006-03-09	AU2002211054
AU2002211054	B2	2005-12-22	AU2002211054
DE60110095	T2	2005-09-29	DE60110095
DK1317200	T3	2005-08-01	DK1317200T
ES2237604	T3	2005-08-01	ES2237604
PT1317200	E	2005-07-29	PT1317200
DE60110095	D1	2005-05-19	DE60110095
AT292926	T	2005-04-15	ATE292926
EP1317200	B1	2005-04-13	EP1317200
DE20122221	U1	2004-09-23	DE20122221
US6769352	B2	2004-08-03	US6769352
JP2004508079	A	2004-03-18	JP2004508079
US20040031393	A1	2004-02-19	US20040031393
CN1473015	A	2004-02-04	CN1473015
AR030610	A1	2003-08-27	AR--30610
EP1317200	A1	2003-06-11	EP1317200
NO20031028	A	2003-05-02	NO200301028
NO20031028	L	2003-05-02	NO20031028
KR20030027116	A	2003-04-03	KR20030027116
NO20031028	D0	2003-03-05	NO200301028
AU1105402	A	2002-03-22	AU200211054
CA2421239	A1	2002-03-14	CA2421239
WO02/19877	A1	2002-03-14	WO200219877
NL1016106	C2	2002-03-07	NL1016106



Abstract

(EP1317200)

This invention relates to an apparatus for preparing a coffee extract with a fine-bubble froth layer, provided with at least one inlet (2) to which coffee extract is supplied, at least one outlet (4.1; 4.2) for dispensing the coffee extract with the fine-bubble froth layer and at least one liquid flow path extending from the at least one inlet (2) to the at least one outlet (4.1; 4.2) and along which, in use, the coffee extract flows from the at least one inlet (2) to the at least one outlet (4.1; 4.2), while in the liquid flow path a liquid impact surface (12) is included and the at least one inlet is provided with at least one spout opening for generating at least one coffee extract jet which, in use, squirts to the liquid impact surface when the coffee extract is supplied to the at least one inlet. According to the invention, the impact surface (12) is provided with a roughened surface structure.

Inventors

DE BRUIN WILHELMUS JOHANNES

BROUWER GUSTAAF FRANS

Latest standardized assignees - inventors removed

DOUWE EGBERTS

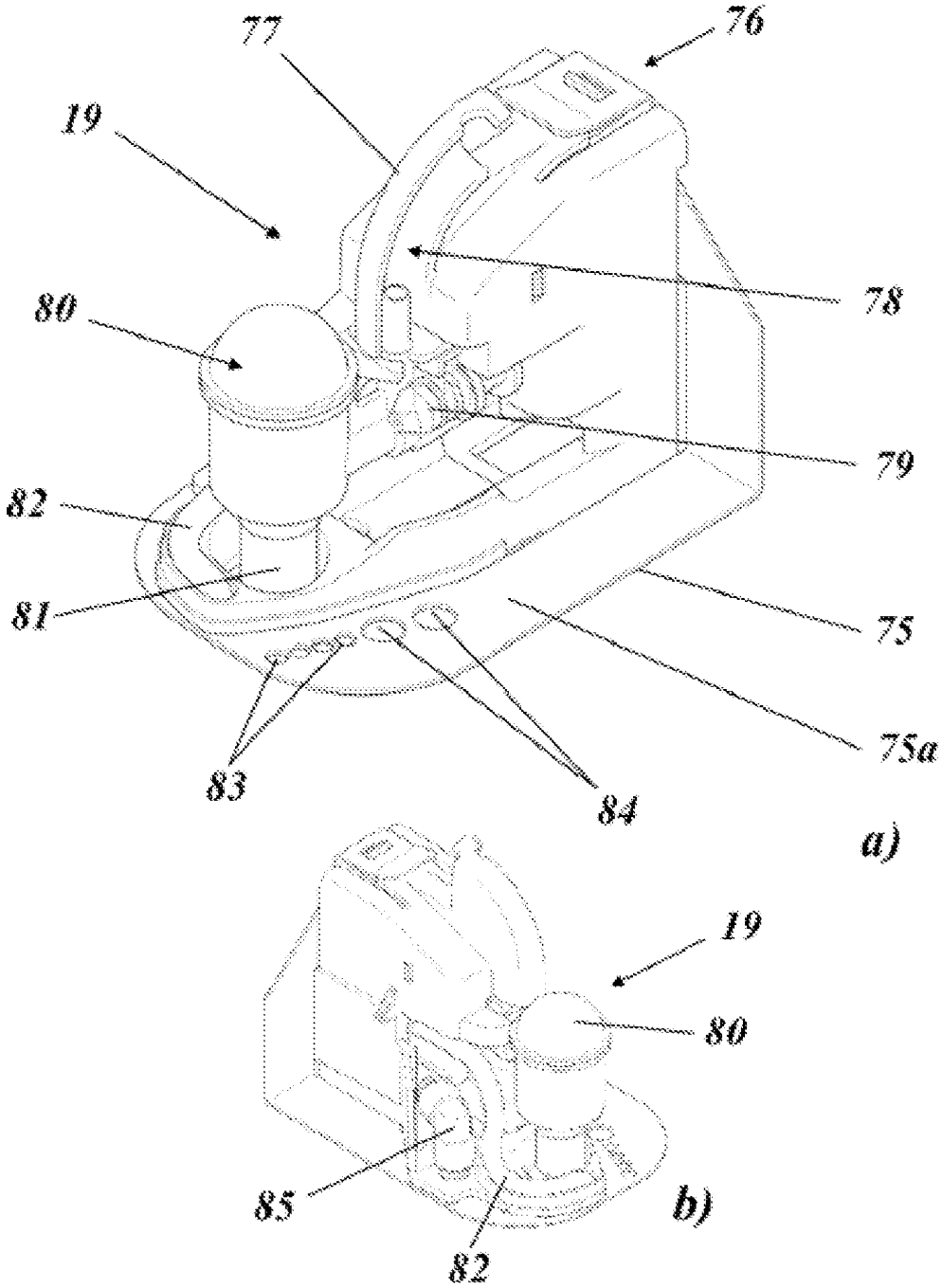
Family 65/200 - FAMPAT - ©Questel

Title

(EP2822430)

Beverage vending machine and outflow module for such a beverage vending machine

Images



Publication data including kind & date

CN110013171	A	2019-07-16	CN110013171
IN7360DEN2014	A	2015-04-24	IN2014DN07360
US20150013545	A1	2015-01-15	US20150013545
EP2822430	A1	2015-01-14	EP2822430
CN104254269	A	2014-12-31	CN104254269
CH706230	A1	2013-09-13	CH-706230
WO2013/131722	A1	2013-09-12	WO2013131722

Abstract

(EP2822430)

A beverage vending machine has a housing (11), in which first means (19, 20, 21, 22, 25, 26) for brewing and dispensing a coffee beverage prepared using freshly ground coffee are housed. Flexible configuration is made possible in that the first means (19, 20, 21, 22, 25, 26) have a modular construction and comprise at least one base module (20) for brewing the coffee beverage and a separate outflow module (19) for dispensing the coffee beverage, which are in fluid connection with one another by means of one or more fluid interfaces.

Inventors

EGLI PETER
LÜSSI ANDRÉ
MOSIMANN BRUNO
AEBERHARD BRUNO

Latest standardized assignees - inventors removed

SCHAERER

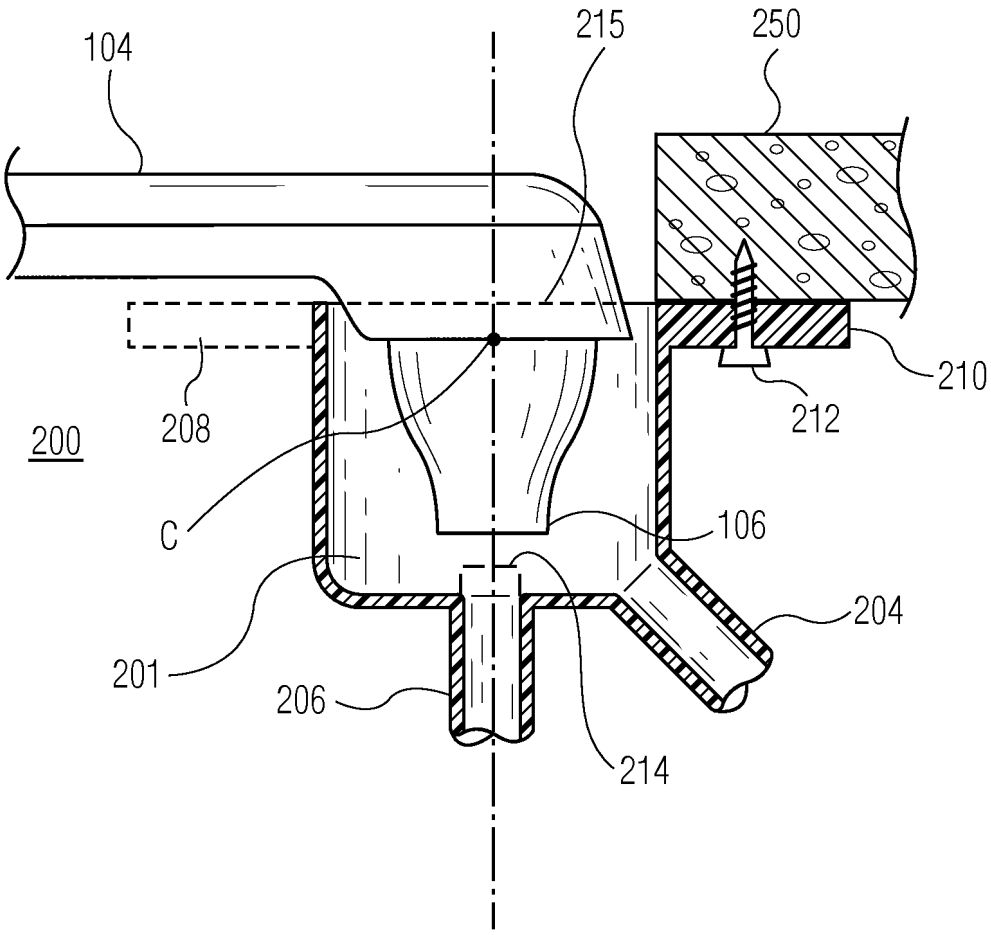
Family 66/200 - FAMPAT - ©Questel

Title

(US20170129760)

Method and apparatus for cleaning beverage dispensers

Images



Publication data including kind & date

US20170129760 A1 2017-05-11 US20170129760

Abstract

(US20170129760)

A method and apparatus cleans plurality of beverage dispensers which sit in respective holsters. Cleaning solution conduits are oriented to spray cleaning solution towards respective tops of holsters. One or more fluid valves or pumps alternatively permit and block said cleaning solution to flow to said cleaning solution conduits, respectively. A power supply flow signals to the fluid valve or pump, respectively, wherein the valve or pump transitions between permitting and blocking flow responsive to transitioning of the flow signals, respectively. A transmitter signals the power supply to transition the flow signals to cause the fluid valve or pump to permit the cleaning solution to flow to the cleaning solution conduits.

Inventors

ANESON JOHN M

MCCAUSLAND RAYMOND J

Latest standardized assignees - inventors removed

SEA HAWK SYSTEMS

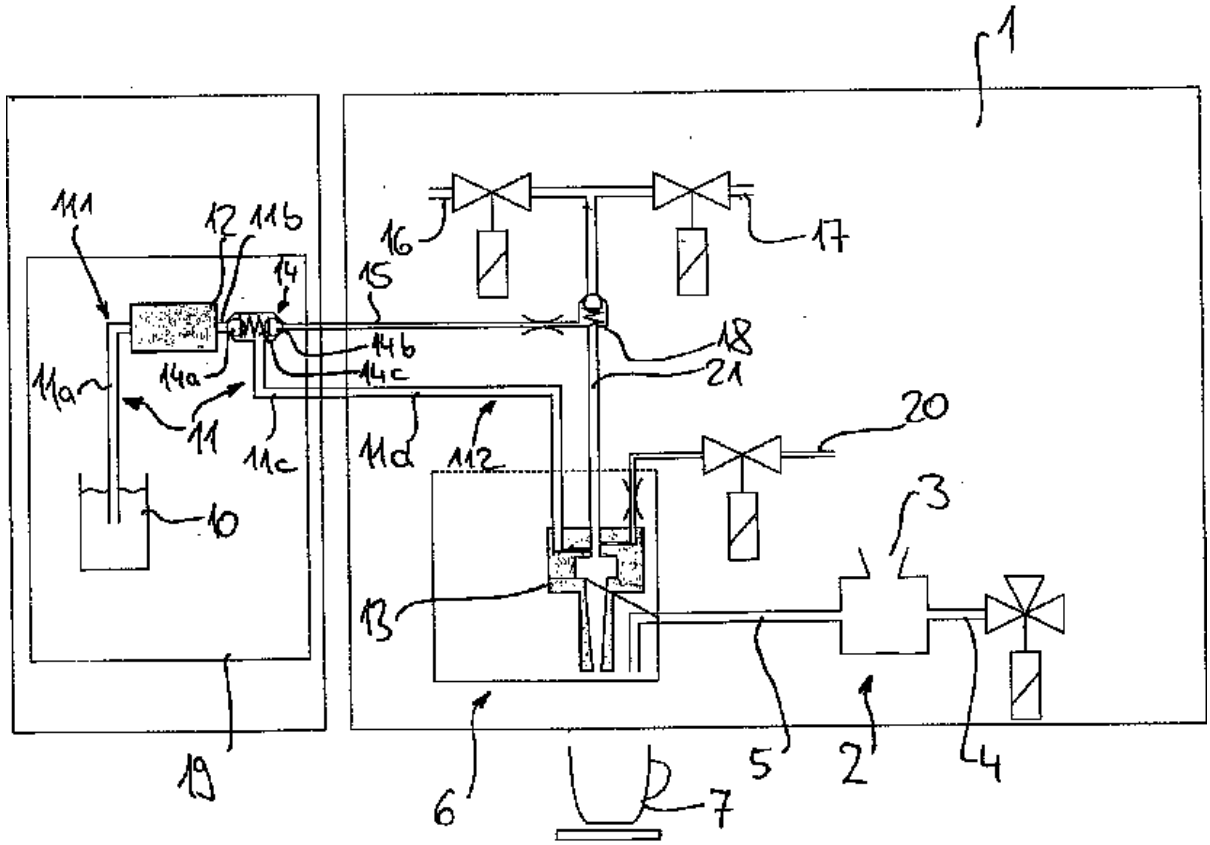
Family 67/200 - FAMPAT - ©Questel

Title

(DE19955195)

Device for preparation and output of milk has milk line cooled at least in first part region adjoining reservoir and rinsing line is connected to milk line here

Images



Publication data including kind & date

DE29924867	U1	2006-04-27	DE29924867
DE19955195	B4	2005-07-07	DE19955195
DE19955195	A1	2001-05-17	DE19955195

Abstract

(DE19955195)

A device for the preparation and output of milk, especially of cold or heated or heated and frothed-up milk, has a milk pipeline (11) which serves for the transport of the milk from a reservoir (10) into a milk mixing chamber (13).The transport of the milk takes place via a pump (12) connected to the milk line. A rinsing line (15) is connected to the device. The milk line can be cooled at least in a first part region adjoining the reservoir. The rinsing line is connected to the milk line in this

first part region that can be cooled so that the following, especially uncooled, second part region 9112) of the milk line can be rinsed via the rinsing line.

Inventors

Antrag auf Nichtnennung

Latest standardized assignees - inventors removed

NIRO PLAN

Family 68/200 - FAMPAT - ©Questel

Title

(WO2017129443)

Device and steam lance for foaming and/or heating milk

Images

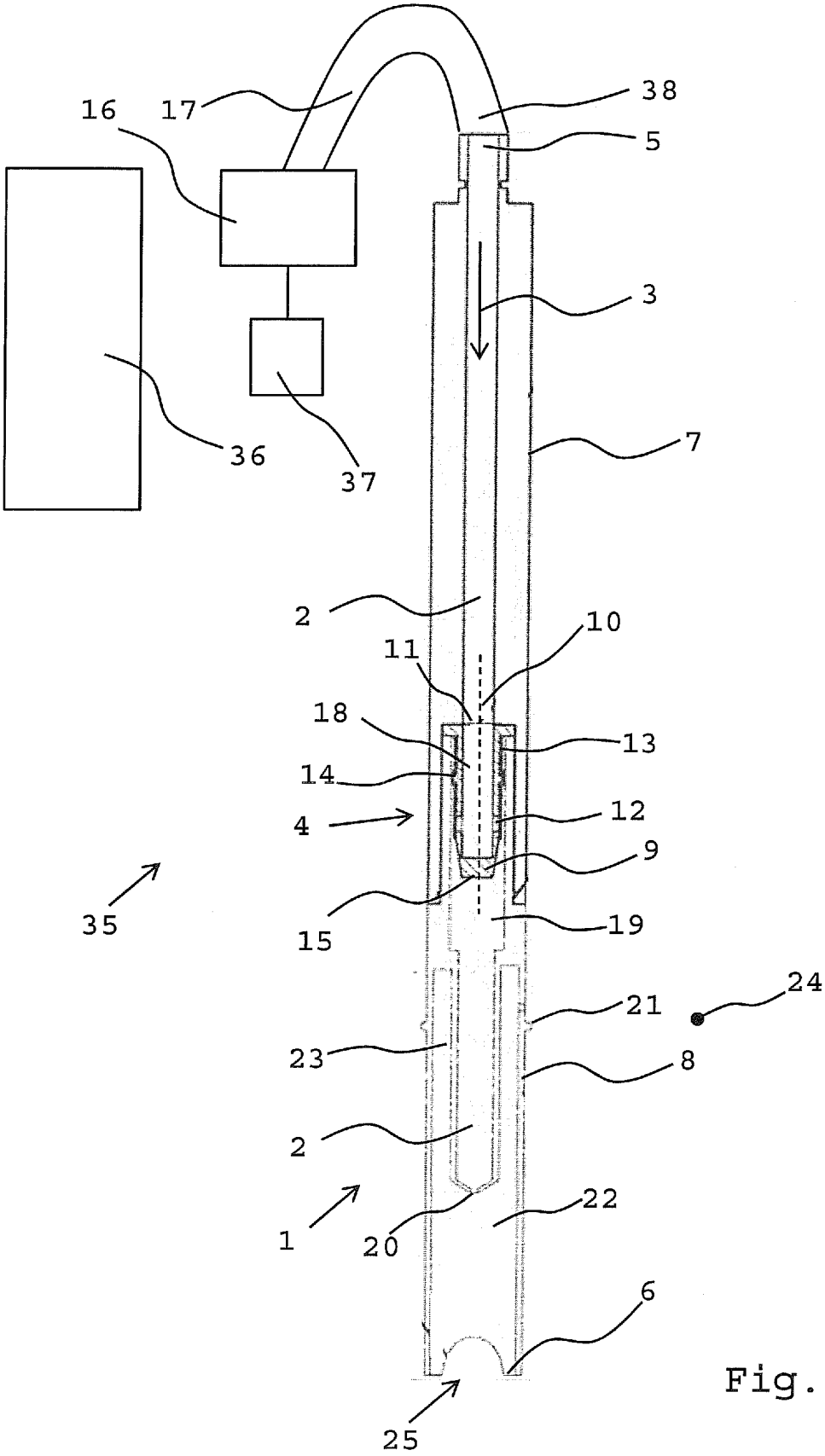


Fig. 1

Publication data including kind & date

DE102016201342	B4	2019-03-28	DE102016201342
DE102016201342	A1	2017-08-03	DE102016201342
WO2017/129443	A1	2017-08-03	WO2017129443

Abstract

(WO2017/129443)

The invention relates to a device (35) for foaming and/or heating milk, having a steam generator (16) which is connected to a steam lance (1) via a connection line (17), a beverage preparation device (36) for producing a hot beverage, a control and/or regulating device (37) for controlling and/or regulating the generation of steam, and a connection device (38) which is designed to releasably connect the steam lance (1) to the connection line (17) in a simple manner. The steam lance (1) has a first end (5) via which the steam lance (1) can be releasably connected to the connection device (38) in a simple manner, and the steam lance (1) further has a nonreturn valve (4) which is designed to release the flow of the fluid in the operating flow direction (3) and to block the flow of the fluid opposite the operating flow direction (3).

Inventors

SCHIFFMANN WOLFGANG

WIGGERT RONALD

Latest standardized assignees - inventors removed

LUFTHANSA TECHNIK

Family 69/200 - FAMPAT - ©Questel

Title

(EP-561741)

Coffee making process and device.

Images

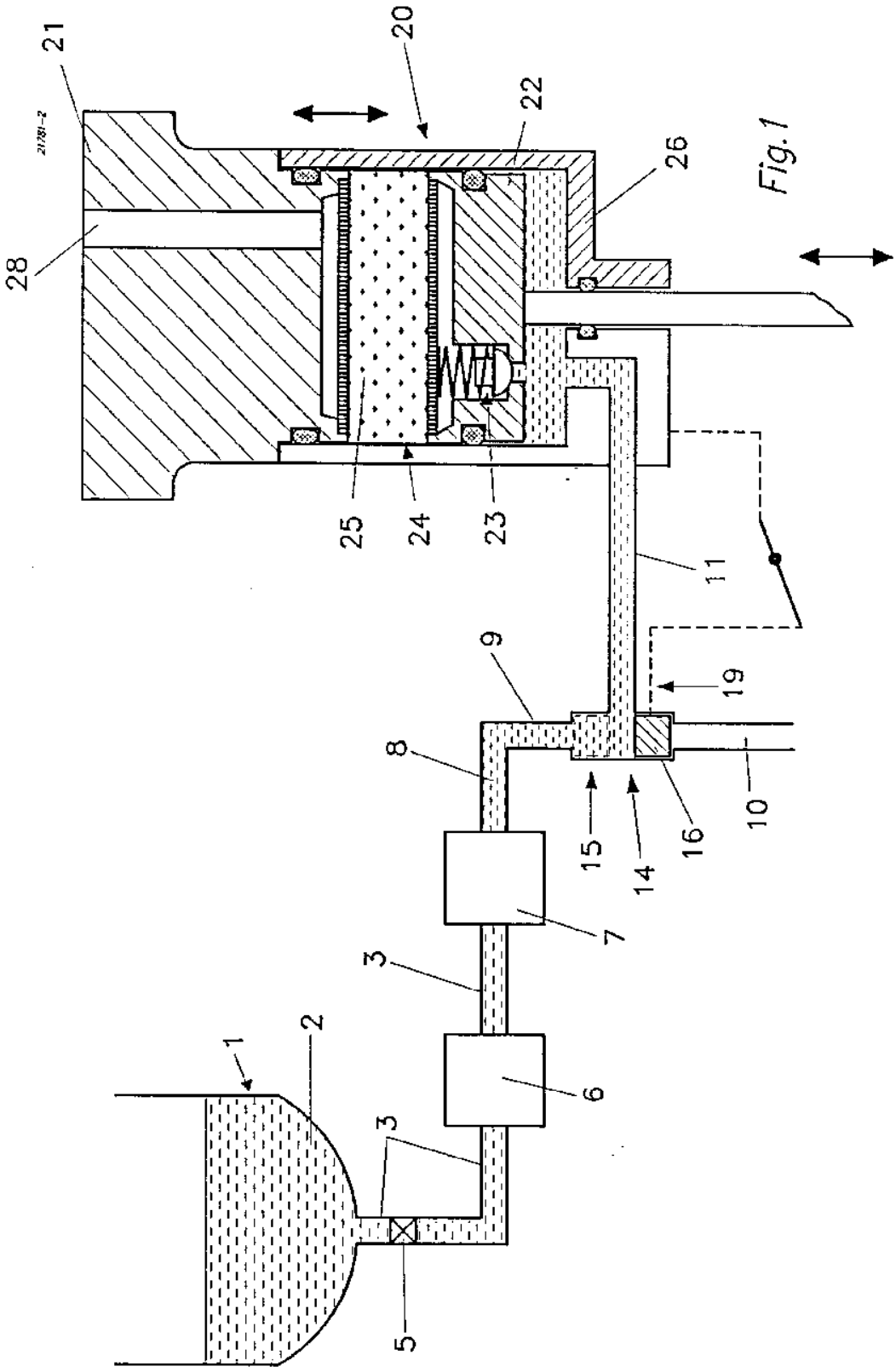


Fig.1

Publication data including kind & date

ES2081198	T3	1996-02-16	ES2081198
DE59300727	D1	1995-11-16	DE59300727
AT128830	T	1995-10-15	ATE128830
EP0561741	B1	1995-10-11	EP-561741
DE4208854	C2	1994-06-30	DE4208854
US5302407	A	1994-04-12	US5302407
JP06007251	A	1994-01-18	JP06007251
HUT64189	A	1993-12-28	HU-T64189

KR930019117	A	1993-10-18	KR19930019117
DE4208854	A1	1993-09-23	DE4208854
EP0561741	A1	1993-09-22	EP-561741
CA2091610	A1	1993-09-20	CA2091610
HU9300791	D0	1993-06-28	HU9300791

Abstract

(EP0561741)

A coffee machine comprises mainly a freshwater container (1), a freshwater pipe (3), a pump (6), a water heater (7), and a brewing chamber (20). In this brewing chamber there is a plunger (22) which can be actuated hydraulically by brewing water (8) for compressing ground coffee (25). A valve device (14) is also arranged in the coffee machine in such a way that any residual water present after the brewing operation in the brewing chamber (20) and in the pipe (11) is conducted away. A valve piston (16) mounted in the valve device (14) is mechanically forcibly coupled to the pivotable brewing chamber (20). After the ground coffee (25) has been brewed, the valve piston (16) is moved through the downwardly travelling brewing chamber (20) to its upper stop. There is thus now communication between the pipe (11) and the discharge pipe (10). Via this communication, the residual water located on the back of the movable plunger (22) and in the pipe (11) can flow away out of the coffee machine. This discharge flow can also be assisted by the returning plunger (22). It is guaranteed by this measure that the brewed coffee beverage is hot and that it corresponds in taste to the expectations of the consumer. Additionally, a coffee beverage prepared in this manner is satisfactory in terms of its microbiological condition. ……

Inventors

VETTERLI HEINZ ADOLF

Latest standardized assignees - inventors removed

COSMEC

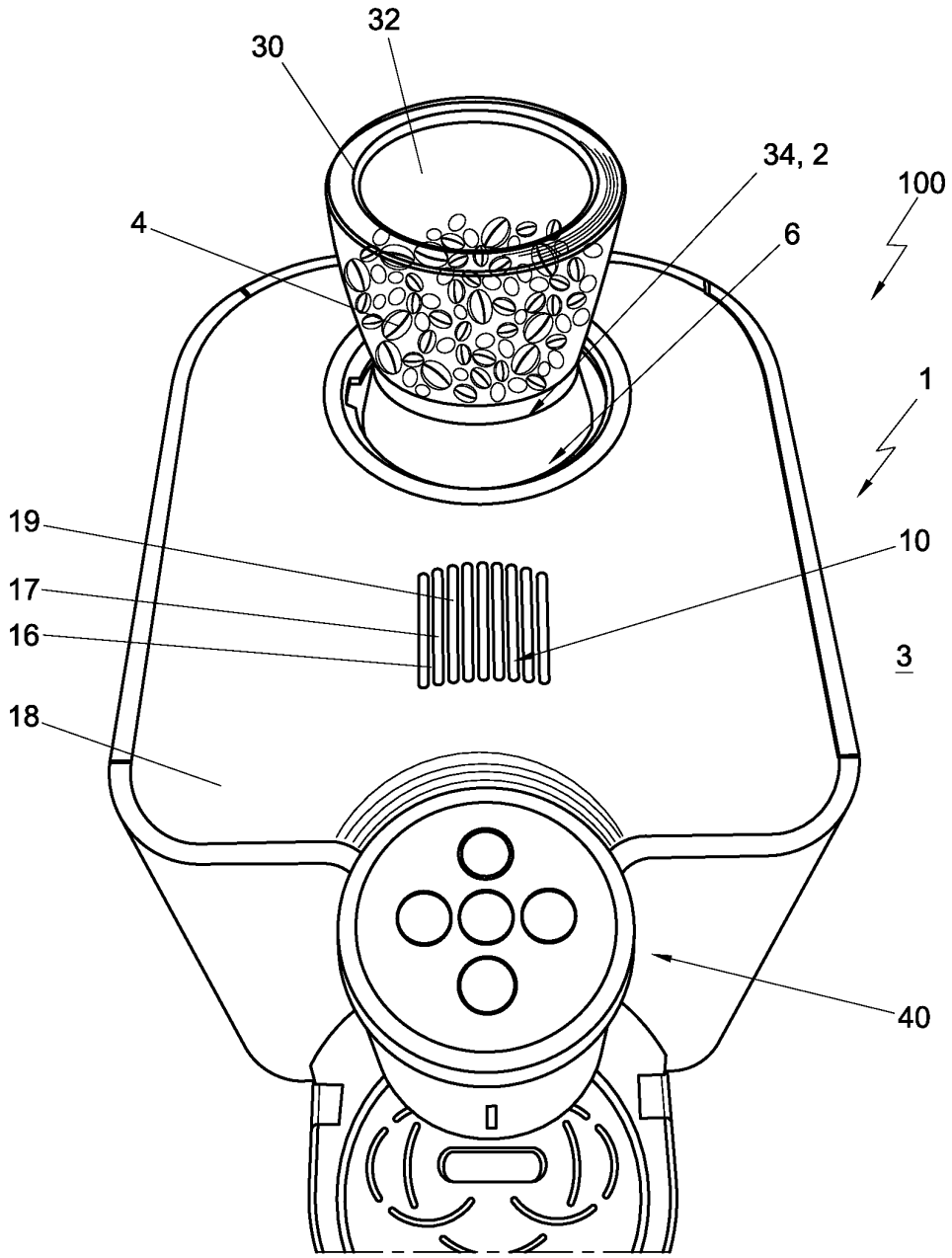
Family 70/200 - FAMPAT - ©Questel

Title

(EP2996523)

Coffee brewing apparatus, coffee beverage system and method for preparing a coffee beverage

Images



Publication data including kind & date

AU2014266061	B2	2018-08-02	AU2014266061
PL2996523	T3	2018-02-28	PL2996523
RU2644043	C2	2018-02-07	RU2644043
ES2640111	T3	2017-10-31	ES2640111
BR112015028701	A2	2017-07-25	BR112015028701
RU2015153821	A	2017-06-22	RU2015153821
EP2996523	B1	2017-06-14	EP2996523
JP2016522030	A	2016-07-28	JP2016522030
EP2996523	A1	2016-03-23	EP2996523
US20160066742	A1	2016-03-10	US20160066742
CN105377091	A	2016-03-02	CN105377091
BR112015028701	A1	2015-12-15	BR112015028701
AU2014266061	A1	2015-12-03	AU2014266061
CA2912561	A1	2014-11-20	CA2912561

WO2014/185783 A1 2014-11-20 WO2014185783

Abstract

(EP2996523)

The present invention relates to a coffee brewing apparatus (1) and a system (100), comprising an entrance opening (2) for receiving coffee beans (4), a grinder (6) for grinding coffee beans which have entered the coffee brewing apparatus (1) via the entrance opening (2), comprising a ground coffee transportation path (8) for transporting ground coffee from the grinder (6) to a brewing device, a brewing device (40) for brewing coffee on the basis of the delivered ground coffee, and an air ventilation system (10) in fluid connection with the grinder (6) for providing at least one air stream comprising a coffee grinding aroma to the outside (3) of the coffee brewing apparatus (1) and preferably in the direction of a user of the apparatus (1). The air ventilation system (10) further comprises at least one fan (12) and at least one air stream guiding element (14), which is at least partially providing a flow path for the air stream from the grinder (6) to the fan (12). The invention also relates to a method for preparing a beverage by means of an apparatus as described before.

Inventors

DE GRAAFF GERBRAND KRISTIAAN

Latest standardized assignees - inventors removed

DOUWE EGBERTS

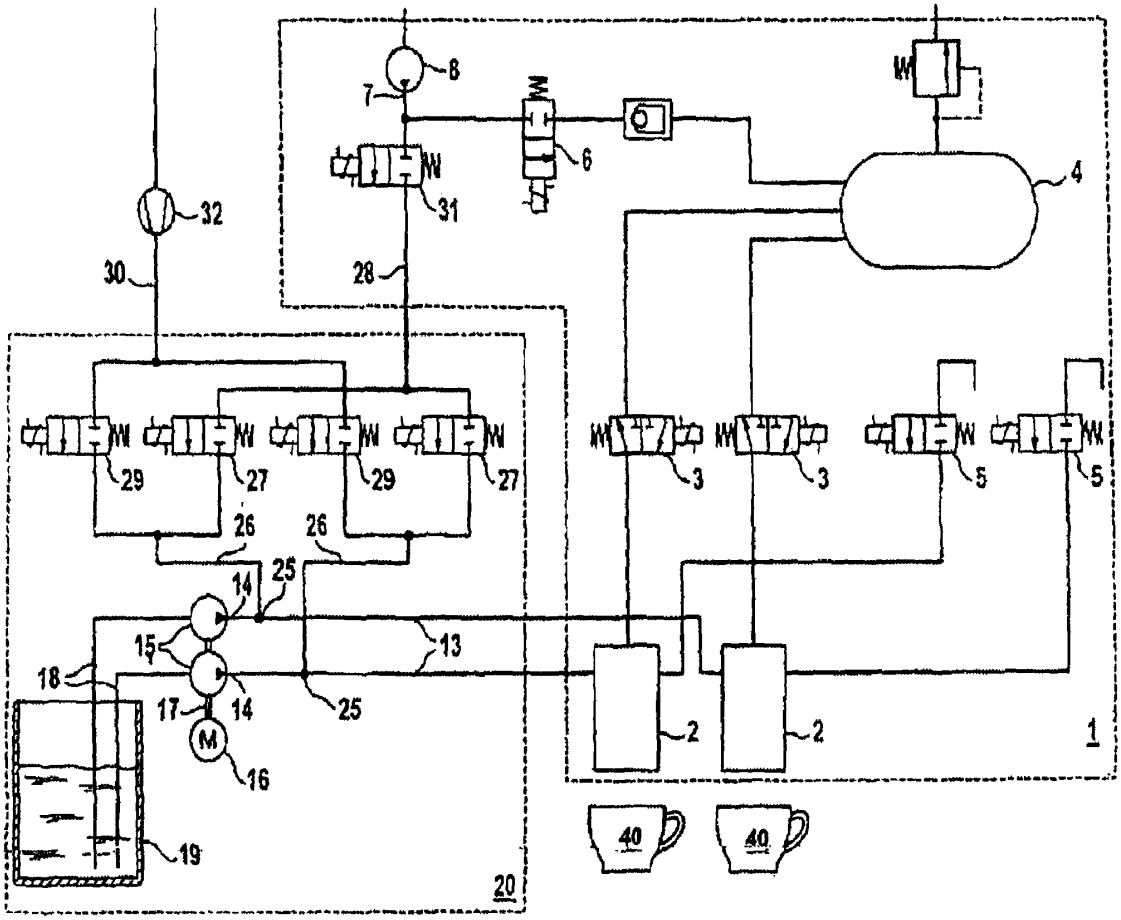
Family 71/200 - FAMPAT - ©Questel

Title

(US6959642)

Device for portioned delivery of milk, particularly for cappuccino machines

Images



Publication data including kind & date

US6959642 B1 2005-11-01 US6959642

US20050223911 A1 2005-10-13 US20050223911

Abstract

(US20050223911)

A delivery head for delivering a milk portion is connected via a connection line to a milk container in a refrigerator. A rinsing agent source is connected via a first line to a connection part in the connection line. A first on-off valve is inserted in the first line. The connection part is also connected via a second line and a second valve to a fresh air source. The container, the valves, and the connection part are installed in a refrigerator. Through this implementation, complete emptying of the connection line and the delivery head of rinse water after the rinsing procedure, as well as efficient rinsing during the rinsing procedure, are achieved.

Inventors

LANDOLT MARKUS

Latest standardized assignees - inventors removed

RANCILIO

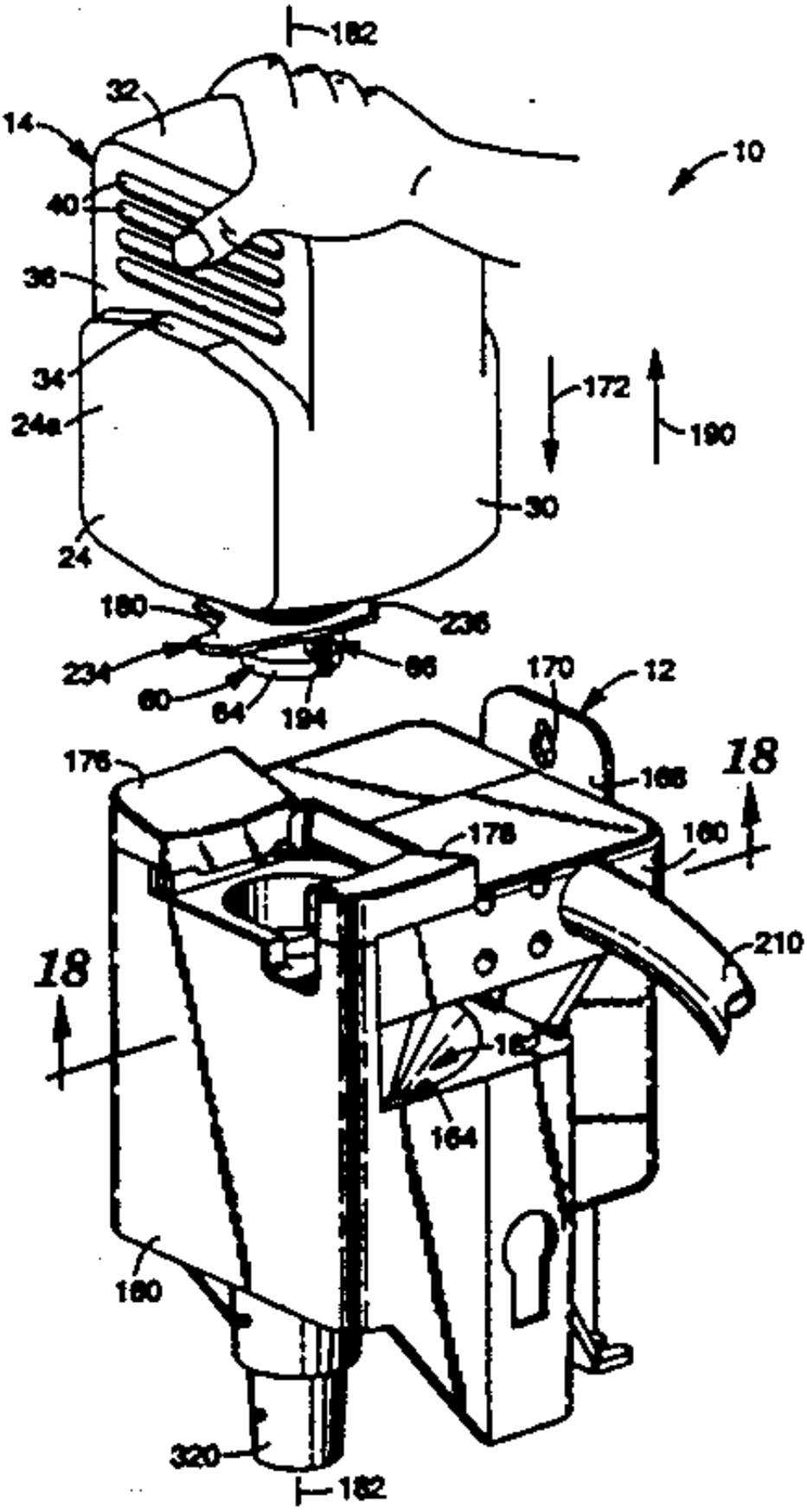
Family 72/200 - FAMPAT - ©Questel

Title

(EP-694022)

Gravity feed fluid dispensing system

Images



Publication data including kind & date

JP3459422	B2	2003-10-20	JP3459422
CA2158260	C	2003-10-14	CA2158260
KR100287608	B1	2001-06-01	KR100287608

HK1007548	A1	1999-04-16	HK1007548
CN1042319	C	1999-03-03	CN1042319C
BRPI9406474	B1	1998-11-24	BR9406474
AU685097	B2	1998-01-15	AU-685097
DE69403646	T2	1997-12-11	DE69403646
ES2104373	T3	1997-10-01	ES2104373
DE69403646	D1	1997-07-10	DE69403646
EP0694022	B1	1997-06-04	EP-694022
JPH08508959	A	1996-09-24	JP08508959
CN1121700	A	1996-05-01	CN1121700
KR19967001797	A	1996-03-28	KR19967001797
KR960701797	A	1996-03-28	KR19960701797
EP0694022	A1	1996-01-31	EP-694022
BR9406474	A	1996-01-23	BR9406474
BRPI9406474	A1	1996-01-23	BRPI9406474
US5425404	A	1995-06-20	US5425404
AU6393394	A	1994-11-08	AU9463933
CA2158260	A1	1994-10-27	CA2158260
WO94/24040	A1	1994-10-27	WO9424040

Abstract

(EP0694022)

A gravity based system for dispensing a fluid from a bottle (14). A valve is mounted on the bottle cap (60) for controlling flow of the fluid. A dispenser assembly (12) is included for supporting the bottle while dispensing the fluid. The dispenser includes a body (60) having a dilution chamber (162), a receiving opening (164) and a dispensing opening (166). Supporting means are provided for engaging and supporting the bottle on the body with the orifice of the bottle directed downwardly. Means are provided for shifting the valve on the bottle from the closed position to the open position to enable dispensing of the fluid, the shifting means being actuated when the bottle is engaged with the supporting means. Means (210) are provided adapted for connection to a source of a diluting fluid and for conveying the diluting fluid to the diluting chamber. A diluting valve is provided for controlling the flow of the diluting fluid into the dilution chamber. Switch means are provided for shifting the diluting valve to the open position responsive to the bottle being received by and engaged with the supporting means of the dispenser body.

Inventors

DYER JOHN J

Latest standardized assignees - inventors removed

3M

Family 73/200 - FAMPAT - ©Questel

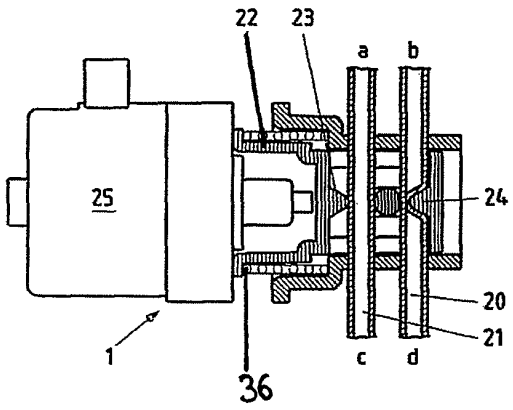
Title

(EP2099341)

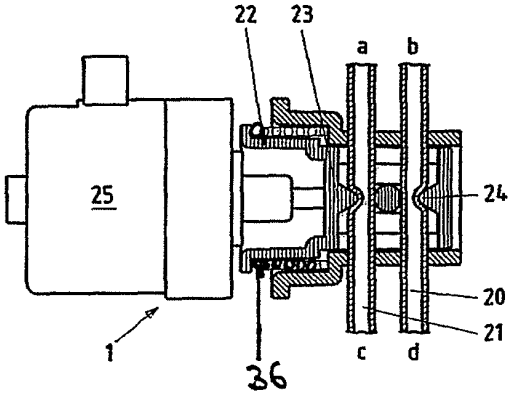
Beverage preparation machine with a pinch valve

Images

Position X:



Position Z:



Publication data including kind & date

IN3344/CHENP/2009	A	2016-08-31	IN2009CN03344
US8839711	B2	2014-09-23	US8839711
BRPI0720092	A2	2013-12-24	BR200720092
ES2368959	T3	2011-11-24	ES2368959
AU2007332012	B2	2011-11-17	AU2007332012
MY144824	A	2011-11-15	MY-144824
PT2099341	E	2011-09-22	PT2099341
AT515218	T	2011-07-15	ATE515218
EP2099341	B1	2011-07-06	EP2099341
CA2673024	C	2011-02-22	CA2673024
ZA200903796	B	2010-04-28	ZA200903796
JP2010512199	A	2010-04-22	JP2010512199
US20100064900	A1	2010-03-18	US20100064900
CN101557743	A	2009-10-14	CN101557743
EP2099341	A1	2009-09-16	EP2099341
KR20090095588	A	2009-09-09	KR20090095588
MX2009005848	A	2009-08-31	MX2009005848
AU2007332012	A1	2008-06-19	AU2007332012
CA2673024	A1	2008-06-19	CA2673024
WO2008/071024	A1	2008-06-19	WO200871024

Abstract

(EP2099341)

A beverage preparation machine has at least one pinch valve (1) in the fluid line system, wherein the pinch valve (1) has at least two fluid passage lines (20, 21) and is designed to execute valve and/or control functions on the fluid passage lines (20, 21). The operating mechanism of the pinch valve (1) is set up for coupled activation of the valve and/or control functions and a drive with a stepper motor (25) is provided.

Inventors

REYHANLOO SHAHRYAR

Latest standardized assignees - inventors removed

JURA ELEKTROAPPARATE

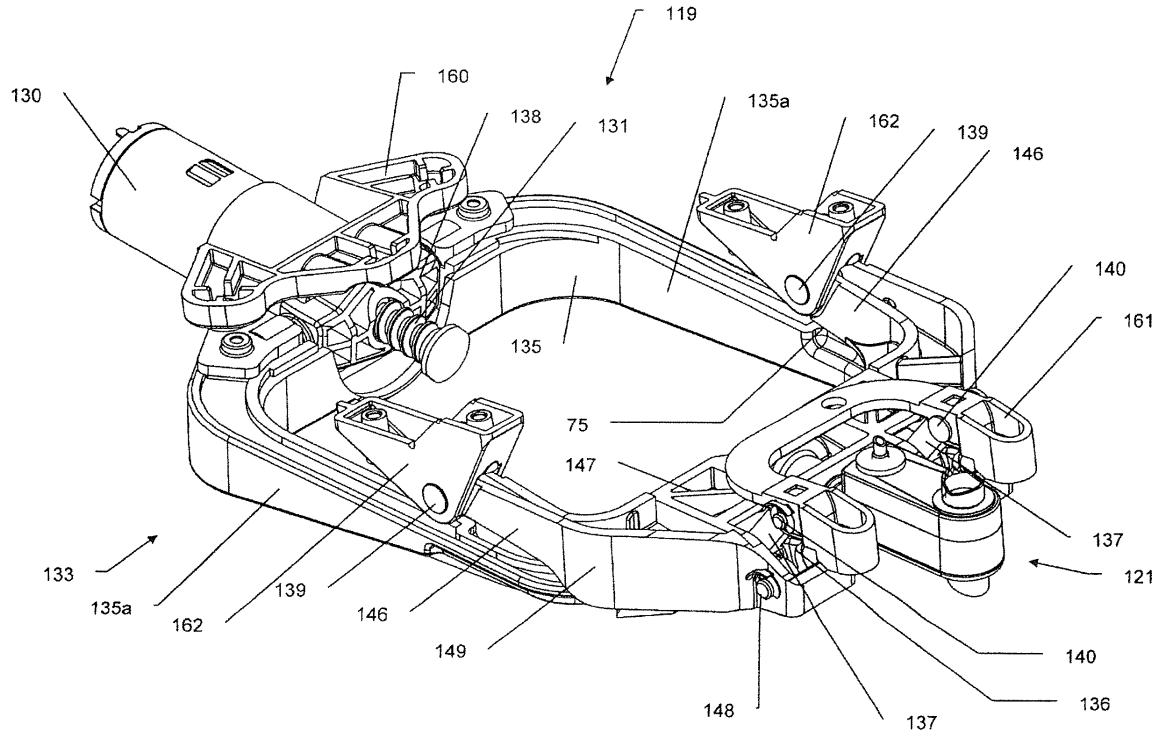
Family 74/200 - FAMPAT - ©Questel

Title

(US9907432)

Beverage preparation machines

Images



Publication data including kind & date

US9907432	B2	2018-03-06	US9907432
US20150272381	A1	2015-10-01	US20150272381
GB2449422	B	2009-09-16	GB2449422
GB2449422	A8	2009-01-28	GB2449422
GB2449422	A	2008-11-26	GB2449422
GB0709589	D0	2007-06-27	GB200709589

Abstract

(US20150272381)

A delivery head for a beverage preparation machine comprising a movable first part and a fixed second part, the first part being movable relative to the second part between an open position and a closed position, in the open position the first part being positioned to enable loading of a cartridge into the delivery head, in the closed position the first part and second part being positioned to hold said cartridge in a dispensing position, the delivery head further comprising an inlet piercer and an outlet piercer, the inlet piercer and the outlet piercer being orientated substantially in the same direction and being pivotable relative to the fixed second part between a retracted position and a piercing position.

Inventors

TANNER ROGER GEOFFREY

HALLIDAY ANDREW MICHAEL

Latest standardized assignees - inventors removed

DOUWE EGBERTS

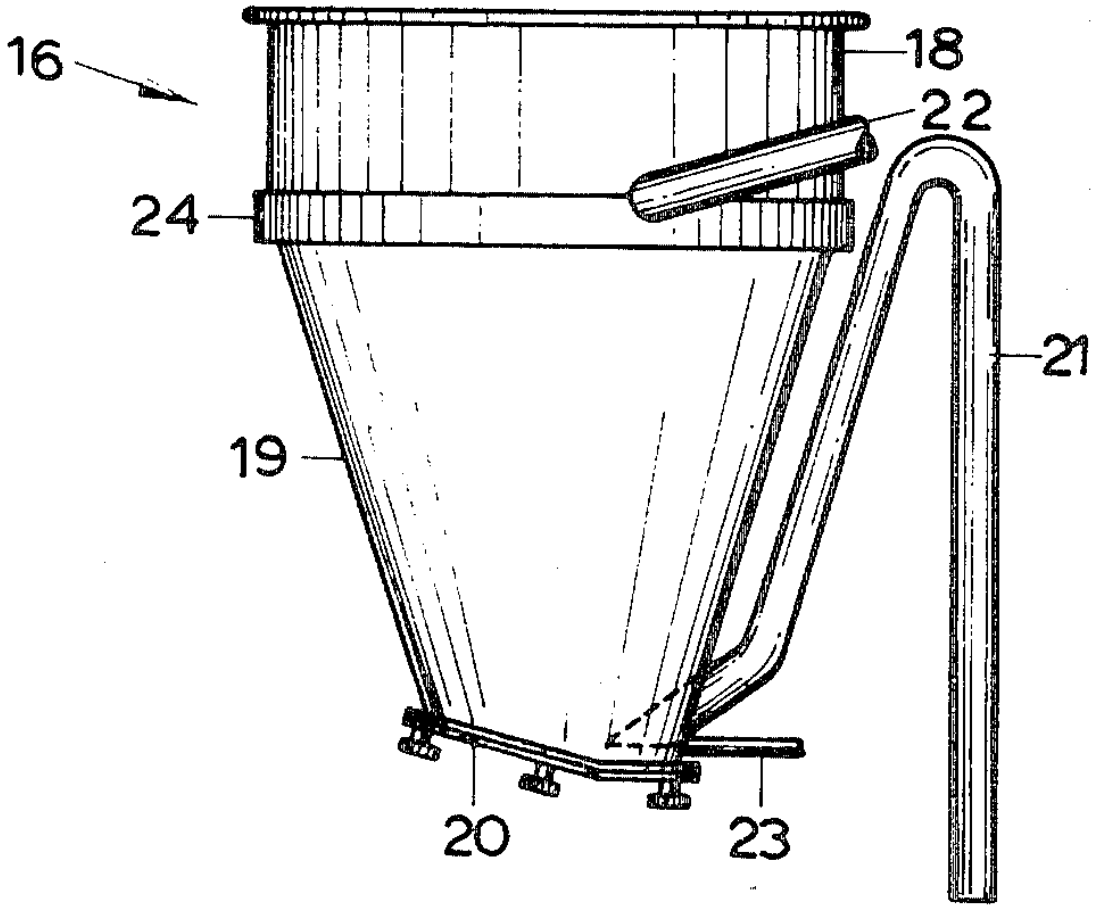
Family 75/200 - FAMPAT - ©Questel

Title

(US3844447)

Vending machines

Images



Publication data including kind & date

US3844447	A	1974-10-29	US3844447
GB1359776	A	1974-07-10	GB1359776
AU4547972	A	1973-10-25	AU7245479

Abstract

(US3844447)

The invention is concerned with beverage dispensers for use in vending machines for brewed hot beverages such as tea or coffee. The beverage dispenser comprises an open container having a closed base and a controlled outlet from said base. At least one jet is located to discharge into the container to cause a circulatory movement in the container of liquid passed through the jet.

Inventors

MARSBERG S

Latest standardized assignees - inventors removed

SERVOMAT FAST FOODS

Family 76/200 - FAMPAT - ©Questel

Title

(WO2018211003)

Apparatus and method of frothing a quantity of milk

Images

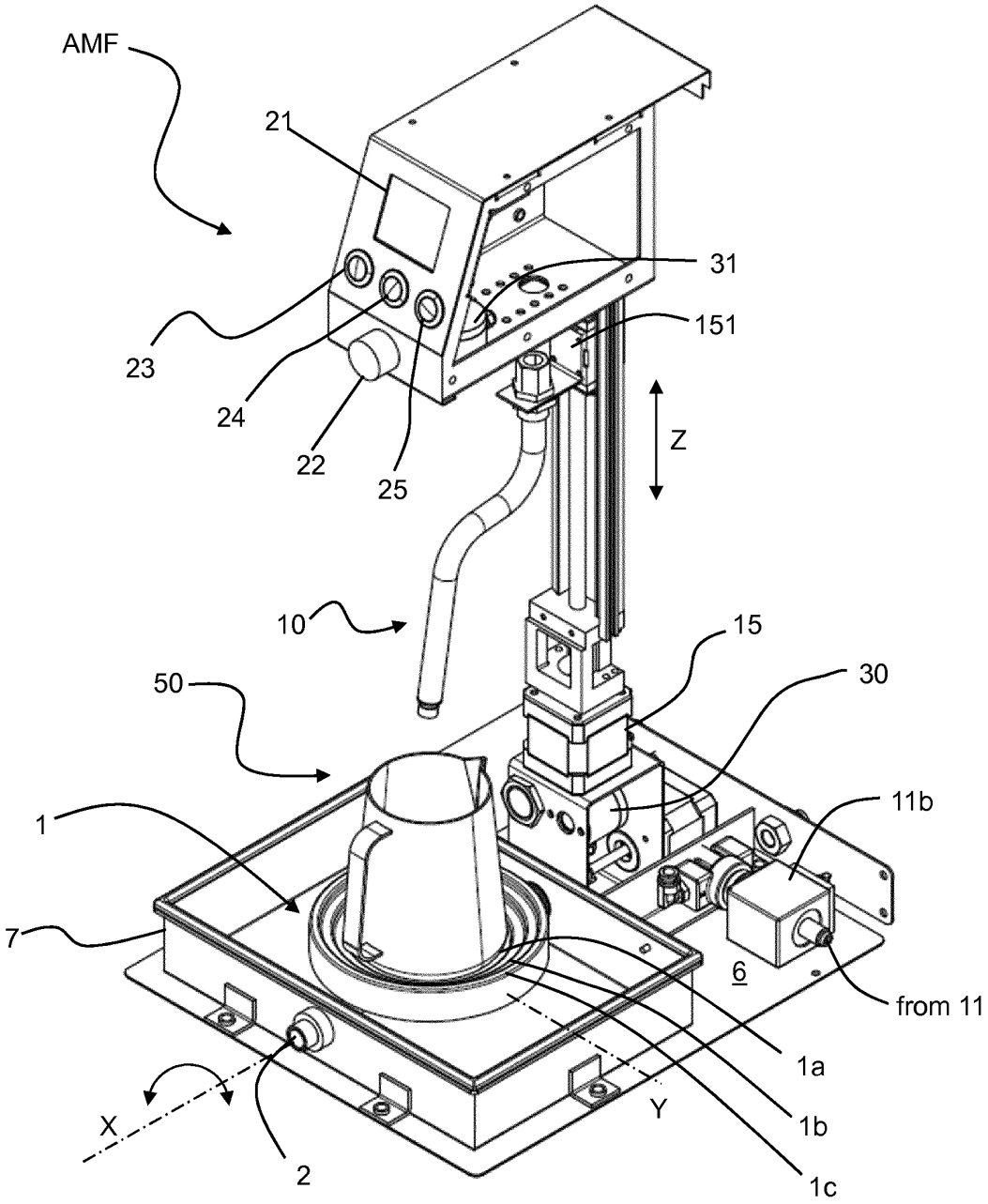


Fig. 1

Publication data including kind & date

WO2018/211003	A1	2018-11-22	WO2018211003
IT201700054448	A1	2018-11-19	IT201700054448

Abstract

(WO2018/211003)

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.

Inventors

SHALEV ZIV

WURM ENRICO

Latest standardized assignees - inventors removed

COFFEE INNOVATIONS

LA MARZOCCO

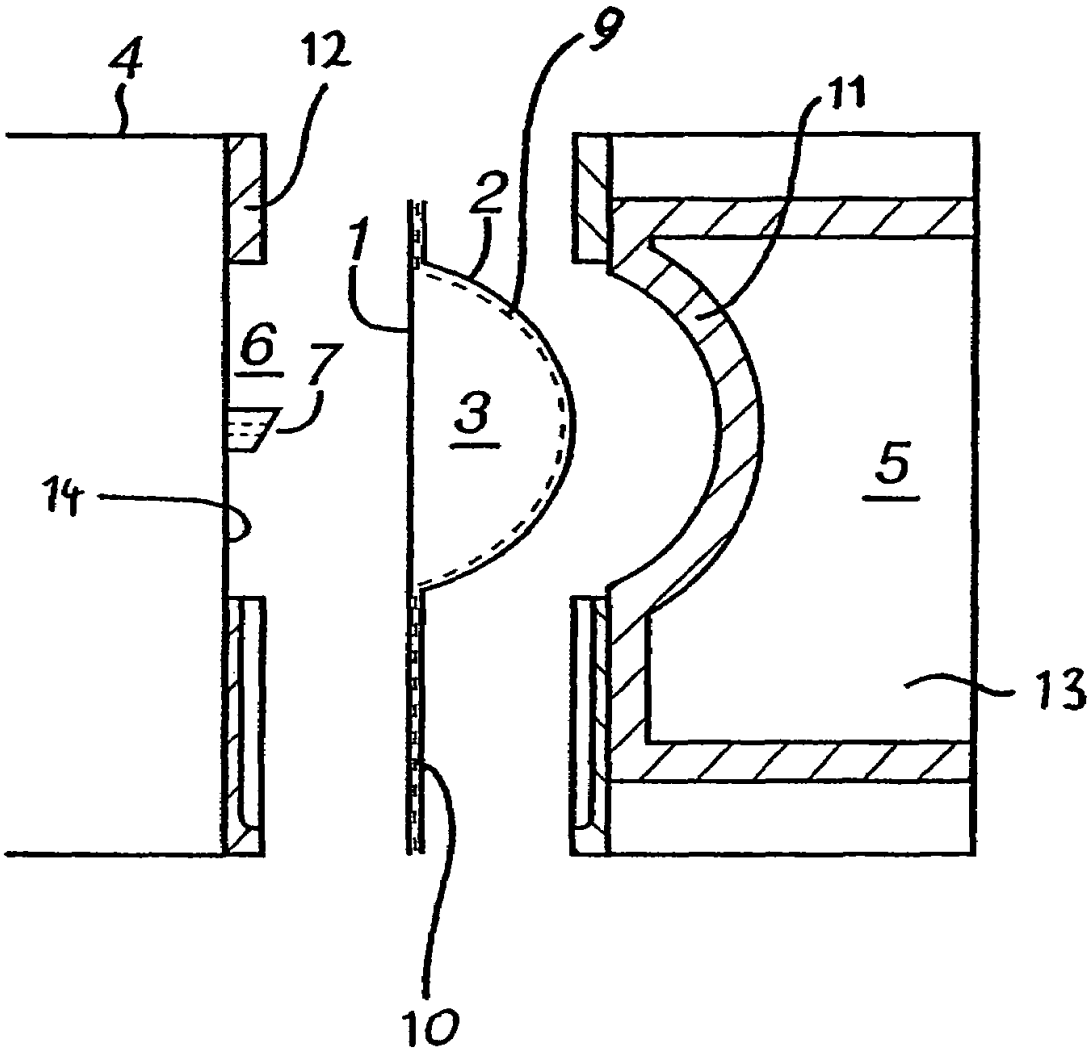
Family 77/200 - FAMPAT - ©Questel

Title

(EP1453405)

Beverage brewing method and apparatus

Images



Publication data including kind & date

DE60221430	T2	2008-04-10	DE60221430
JP4083123	B2	2008-02-22	JP4083123
DE60221430	D1	2007-09-06	DE60221430
AT367757	T	2007-08-15	ATE367757
EP1453405	B1	2007-07-25	EP1453405
US6997103	B2	2006-02-14	US6997103
GB2382976	B	2005-07-20	GB2382976
JP2005512657	A	2005-05-12	JP2005512657

US20050031747	A1	2005-02-10	US20050031747
EP1453405	A1	2004-09-08	EP1453405
AU2002350920	A1	2003-07-09	AU2002350920
WO03/53200	A1	2003-07-03	WO200353200
GB2382976	A	2003-06-18	GB2382976
GB0129656	D0	2002-01-30	GB200129656

Abstract

(EP1453405)

A method for brewing beverages in a machine, which comprises: (a) providing a machine comprising a clamp (4, 5) which is adapted to hold a liquid injector tube (7) for injection liquid into a sachet held in the clamp, wherein the injector tube (7) has a tip and an outlet hole in said tip; (b) providing a beverage brewing sachet containing a beverage brewing ingredient and having at least one side wall region formed of flexible film (1); (c) inserting the sachet into the clamp; (d) piercing the flexible film in the side wall region of the sachet with the liquid injector tube (7); and (e) injecting liquid into the sachet through the injector tube to brew the beverage in the sachet, wherein , following step (d), a flap (8) of the flexible film (1) material extends inwardly from said side wall and over the outlet hole of the injector to form a valve that allows liquid to flow into the sachet from the injector tube, but that blocks or restricts the flow of liquid or solid materials into the injector tube from inside the sachet. Also provided is a beverage brewing apparatus for brewing beverages in accordance with the invention.

Inventors

SHAW JON WILLIAM

COOKE JOHN CHARLES

Latest standardized assignees - inventors removed

LAVAZZA PROFESSIONAL NORTH AMERICA

Family 78/200 - FAMPAT - ©Questel

Title

(EP-791321)

Expresso coffee machine provided with a device for whipping milk

Images

FIG. 1

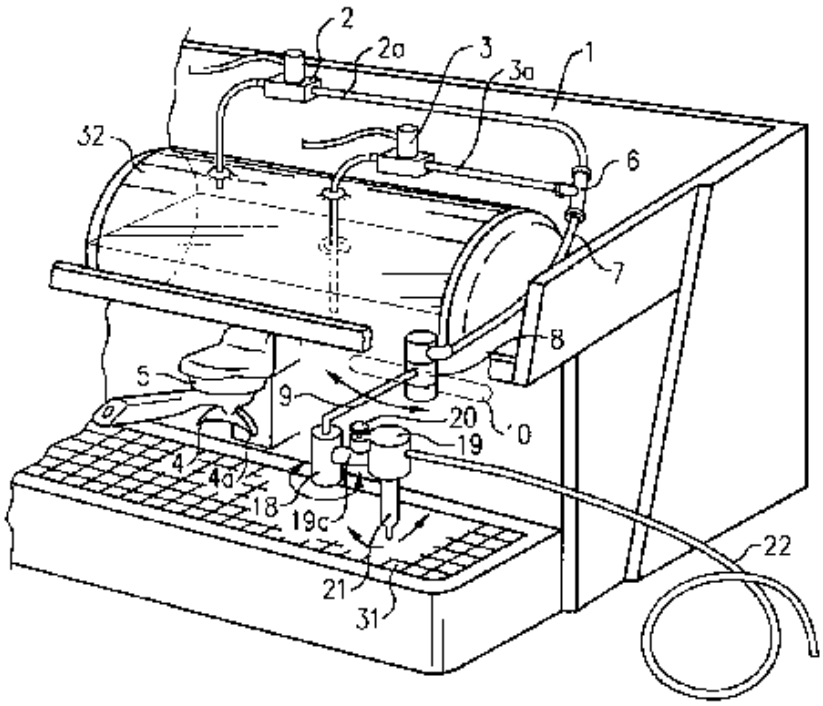
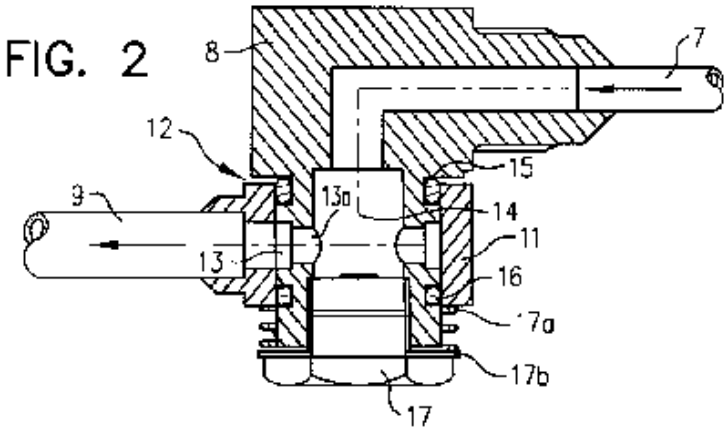


FIG. 2



Publication data including kind & date

DE69705560	T2	2002-05-23	DE69705560
PT791321	E	2001-12-28	PT-791321
ES2161425	T3	2001-12-01	ES2161425
DE69705560	D1	2001-08-16	DE69705560
EP0791321	B1	2001-07-11	EP-791321
ES2133212	B1	2000-04-16	ES2133212
ES2133212	A1	1999-09-01	ES2133212
US5931080	A	1999-08-03	US5931080
EP0791321	A1	1997-08-27	EP-791321

Abstract

(EP0791321)

Expresso coffee machine provided with a device for whipping milk. s includes at least a coffee dispenser (5) and a whipping device (19) inserted in the stream supplying duct (9). Said stream supplying is integral with a member rotatory about a vertical shaft surrounding an annular chamber of the steam distributing body (18) fixed on the housing (1) and connected to the steam supply (2a) from the drum (32) and to the steam supplying duct (9), this latter being horizontally rotatable to locate itself close to the coffee pouring peak (4) on the tray (31) or outside said tray. In the drum (32) there is two hot water (3a) and stream (2a) intake ducts with electrically operated valves (2), (3) which converges at the distributor (8). Said electrically operated valves are related with an electronic circuit, several timers and push buttons to select: coffee plus stream according to two different doses, steam in a timed way, steam is a continuous way and hot water in a continuous way for cleaning.

Inventors

ROURE BOADA JORGE

Latest standardized assignees - inventors removed

GAGGIA ESPONOLA

QUALITY ESPRESSO

Family 79/200 - FAMPAT - ©Questel

Title

(EP1686878)

Fluid delivery system for generating pressurized hot water pulses

Images

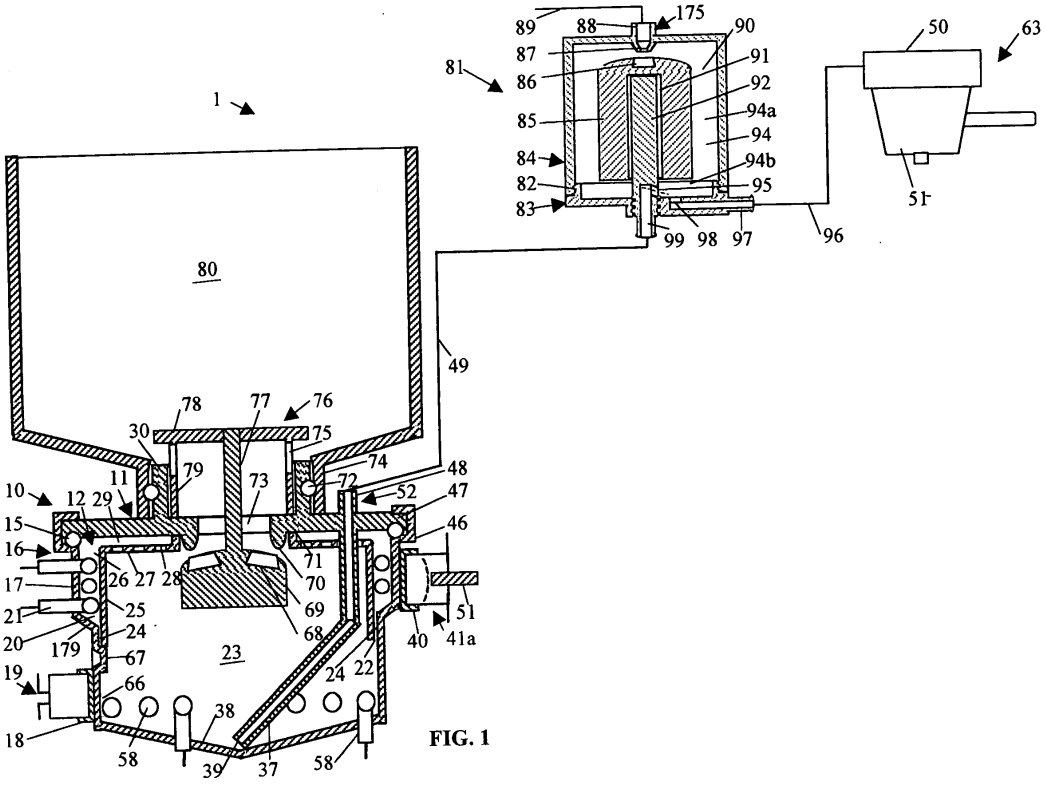


FIG. 1

Publication data including kind & date

US7281467	B2	2007-10-16	US7281467
EP1686878	A4	2007-06-20	EP1686878
IN1226/KOLNP/2006	A	2007-04-27	IN2006KN01226
CN1867282	A	2006-11-22	CN1867282
EP1686878	A2	2006-08-09	EP1686878

WO2005/041729	A3	2006-01-12	WO200541729
US20050279215	A1	2005-12-22	US20050279215
CA2543207	A1	2005-05-12	CA2543207
WO2005/041729	A2	2005-05-12	WO200541729



Abstract

(EP1686878)

Apparatus for generating and delivering a pressurized hot water pulse to a brewing station comprises a water inlet (30) adapted to close during delivering the pulse, an outlet (52) for the pulse, a generator (10) comprising a water heating chamber (23) for receiving a amount of water via the inlet and for heating the water therein to produce sufficiently hot water for the brewing station, a pressurization chamber (12) for vaporizing water to generate pressurized steam to deliver the hot water as a pressurized hot water pulse to the brewing station through the outlet, and a heating system (21,58) for the heating and the vaporization of the water in said pulse generator. The chamber has a first end adapted to receive pressurized steam and a second end close to the hot water intake port of the inlet. The pressurization chamber is adapted to provide pressurized steam to the first end of the heating chamber in such a manner that substantially no interaction occurs between the pressurized steam and the hot water between the first and second ends of the heating chamber, thereby substantially preventing the overheating of the hot water by the pressurized steam. The pulse generator is adapted to cause water to flow into the pressurization chamber from the water heating chamber or inlet for the generation of the pressurized steam.

Inventors

CAI EDWARD Z

Latest standardized assignees - inventors removed

HOUSEHOLD TECHNOLOGY CAMAS WA

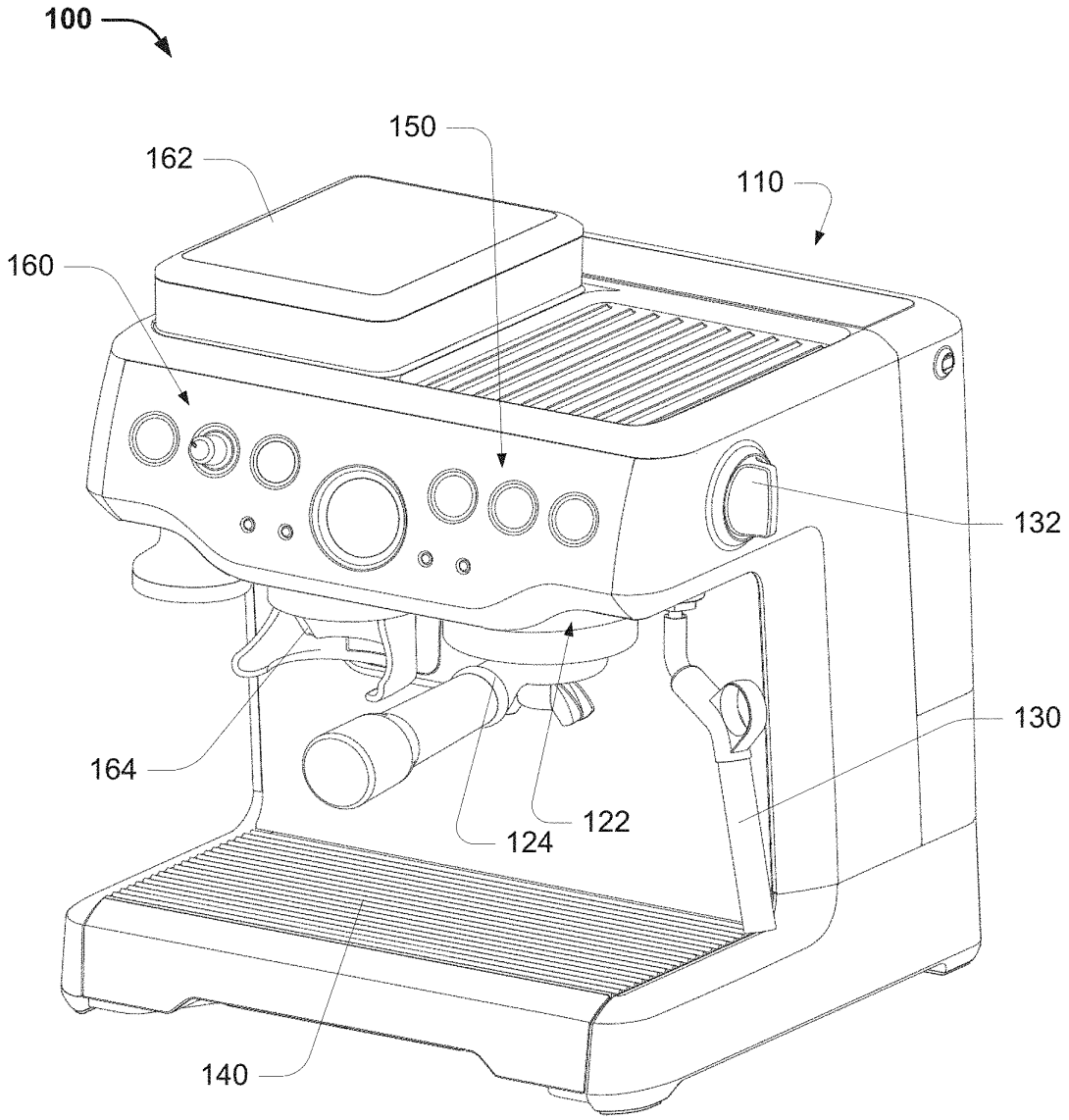
Family 80/200 - FAMPAT - ©Questel

Title

(US10383474)

Coffee machine with overflow feature

Images



Publication data including kind & date

US10383474	B2	2019-08-20	US10383474
US20190090684	A9	2019-03-28	US20190090684
US20160150911	A1	2016-06-02	US20160150911

Abstract

(US20160150911)

A coffee making device has a body with a drip tray and a removable water tank that supplies water to a heat system of the device. The water tank is internal to the device and removable by a user. The body has a fluid refill opening that leads to the tank. The tank includes an overflow channel or conduit that dispenses into the drip tray.

Inventors

UPSTON GREG
CORKIN DANIEL ROBERT
PRESTON ADAM
GRASSIA ROBERT

Latest standardized assignees - inventors removed

BREVILLE

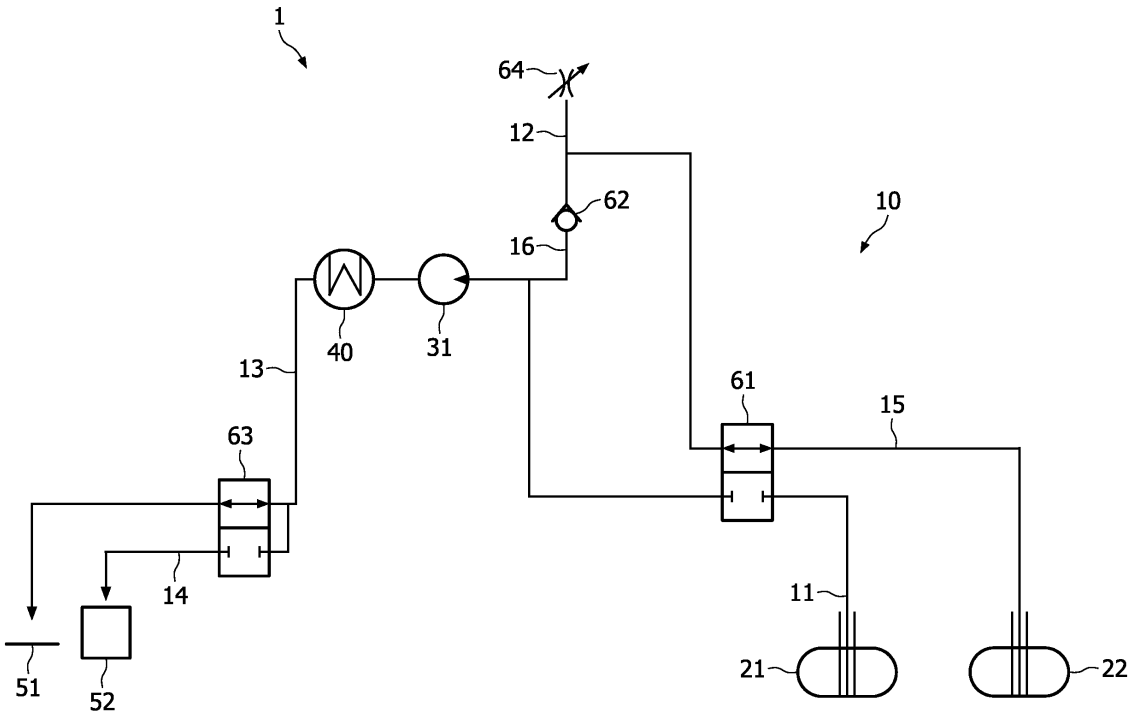
Family 81/200 - FAMPAT - ©Questel

Title

(EP2133009)

Device for whisking milk and method for cleaning such a device

Images



Publication data including kind & date

BRPI0909901	A2	2015-10-06	BR200909901
US8951357	B2	2015-02-10	US8951357
JP5519653	B2	2014-04-11	JP5519653
RU2496400	C2	2013-10-27	RU2496400
CN102056522	B	2013-08-28	CN102056522B
RU2011100803	A	2012-07-20	RU2011100803
ES2372151	T3	2012-01-16	ES2372151
IN0173/CHENP/2011	A	2011-12-02	IN2011CN00173
AT521264	T	2011-09-15	ATE521264
EP2285259	B1	2011-08-24	EP2285259
JP2011522657	A	2011-08-04	JP2011522657
CN102056522	A	2011-05-11	CN102056522
US20110094541	A1	2011-04-28	US20110094541
KR20110022668	A	2011-03-07	KR20110022668
EP2285259	A1	2011-02-23	EP2285259
MX2010013469	A	2010-12-21	MX2010013469
CN201551160	U	2010-08-18	CN201551160U
WO2009/150602	A1	2009-12-17	WO2009150602
EP2133009	A1	2009-12-16	EP2133009
DE202009007946	U1	2009-09-24	DE202009007946

Abstract

(EP2133009)

A device (1) comprises an intake duct (11) for taking in milk, an intake duct (15) for taking in a cleaning fluid, a central duct (13) in which both intake ducts (11, 15) are merging, and a pump (31) which is arranged in the central duct (13). Cleaning the device (1) involves filling both the central duct (13) and the milk intake duct (11) with the cleaning fluid. In particular, the pump (31) is a bi-directional pump, wherein filling the central duct (13) with the cleaning fluid is realized by operating the

pump (31) in one direction while blocking the milk intake duct (11), and wherein filling the milk intake duct (11) with the cleaning fluid is realized by opening the milk intake duct (11) and operating the pump (31) in a reversed direction, wherein cleaning fluid is displaced from the central duct (13) to the milk intake duct (11).

Inventors

DOUMA SIPKE T

Latest standardized assignees - inventors removed

PHILIPS ELECTRONICS

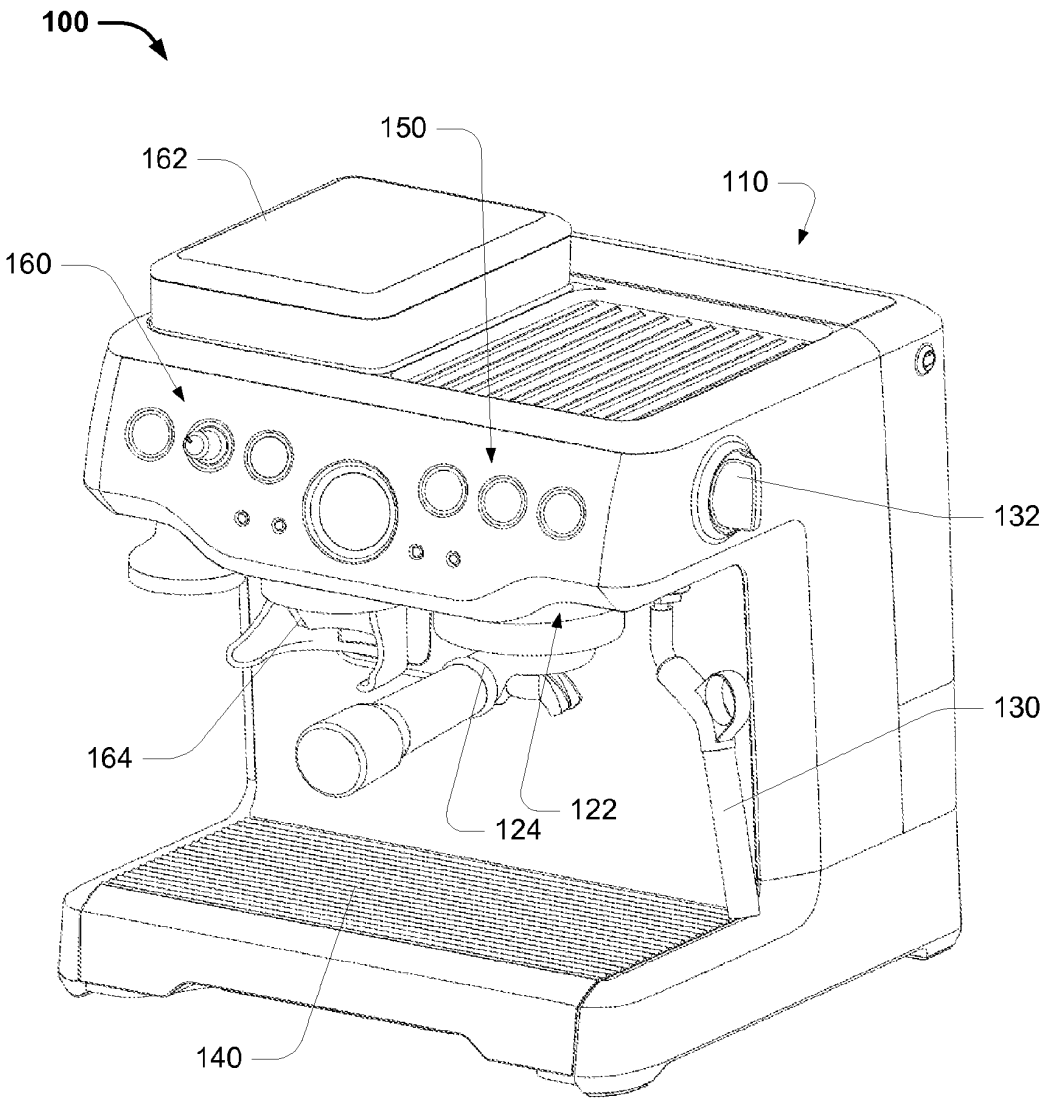
Family 82/200 - FAMPAT - ©Questel

Title

(EP2709500)

Apparatus and method for an improved coffee maker

Images



Publication data including kind & date

CN109588984	A	2019-04-09	CN109588984
CN109588985	A	2019-04-09	CN109588985
AU2018232987	A1	2018-10-11	AU2018232987

AU2017200216	B2	2018-06-21	AU2017200216
AU2018203581	A1	2018-06-14	AU2018203581
AU2017200216	A1	2017-02-02	AU2017200216
RU2607542	C2	2017-01-10	RU2607542
AU2012253224	B2	2016-12-01	AU2012253224
CN105942861	A	2016-09-21	CN105942861
CN105433800	A	2016-03-30	CN105433800
AU2012253224	A2	2015-12-10	AU2012253224
RU2013154568	A	2015-06-20	RU2013154568
EP2709500	A4	2014-12-10	EP2709500
CN103874439	A	2014-06-18	CN103874439
EP2709500	A1	2014-03-26	EP2709500
US20140069279	A1	2014-03-13	US20140069279
AU2012253224	A1	2014-01-09	AU2012253224
WO2012/151629	A1	2012-11-15	WO2012151629

Abstract

(EP2709500)

A coffee making device has a body with a drip tray and a removeable water tank that supplies water to a heat system of the device. The water tank is internal to the device and removeable by a user. The body has a fluid refill opening that leads to the tank. The tank includes a overflow channel or conduit that dispenses into the drip tray.

Inventors

PRESTON ADAM

GRASSIA ROBERT

CORKIN DANIEL ROBERT

UPSTON GREG

Latest standardized assignees - inventors removed

BREVILLE

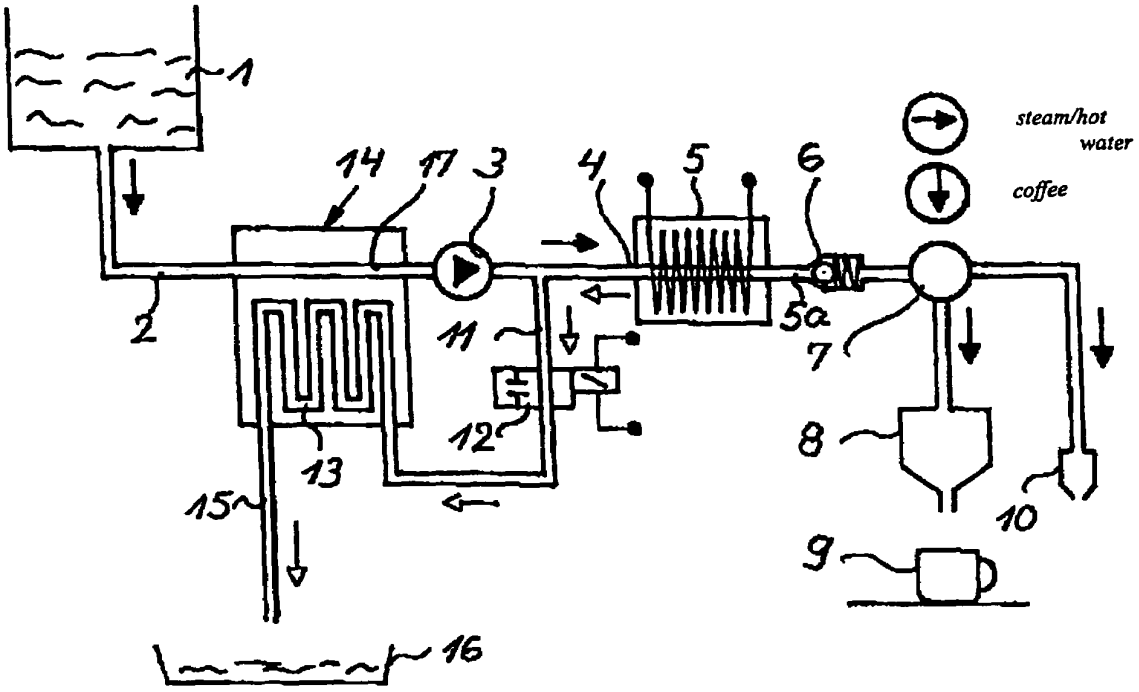
Family 83/200 - FAMPAT - ©Questel

Title

(EP1415580)

Device for draining off residual steam and residual water from the heater of a hot drink dispenser, especially a coffee machine

Images



Publication data including kind & date

US7219597	B2	2007-05-22	US7219597
ES2235137	T3	2005-07-01	ES2235137
DE50300334	D1	2005-04-07	DE50300334
EP1415580	B1	2005-03-02	EP1415580
US20040177760	A1	2004-09-16	US20040177760
EP1415580	A1	2004-05-06	EP1415580
DE20217068	U1	2004-03-18	DE20217068

Abstract

(EP1415580)

A pump (3) delivers fresh water to a heater (5) and pressure release valve (6) to brew coffee (7). Excess hot water and steam is returned (11) through a valve (12) to a heat exchanger (14) through which the incoming fresh water is fed (17) to be collected in a container (16).

Inventors

EICHER HEINZ

Latest standardized assignees - inventors removed

EUGSTER FRISMAG

Family 84/200 - FAMPAT - ©Questel

Title

(DE3829326)

Device for preparing cappuccino

Images

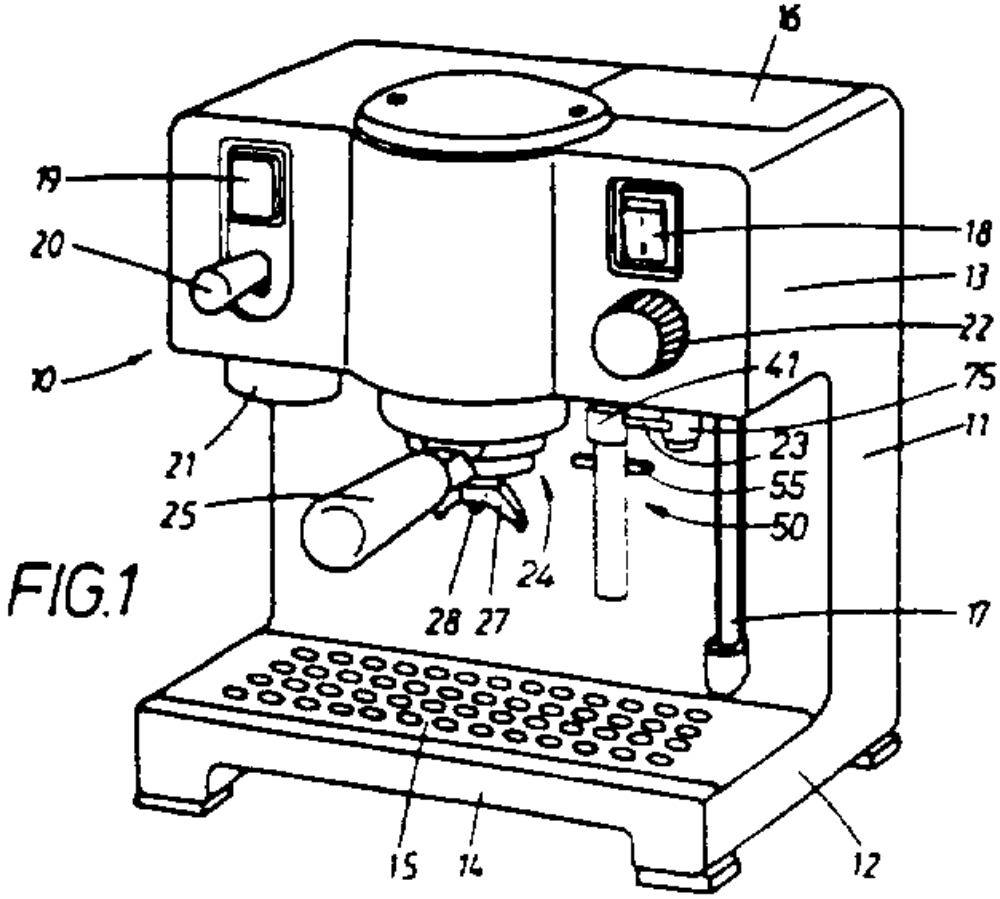


FIG.1

Publication data including kind & date

DE3829326	C2	2000-05-31	DE3829326
DE3829326	A1	1990-03-01	DE3829326

Abstract

(DE3829326)

The invention relates to a device for preparing cappuccino which can be used as an accessory device for an expresso machine equipped with a superheated-steam nozzle and can be coupled to the superheated-steam pipe of said machine. The superheated-steam nozzle is assigned an air-guiding device in such a way that the lower opening of the air-guiding device is arranged in front of the steam outlet opening for flushing around with superheated steam. The superheated-steam pipe has a hollow extension which is open towards the bottom and into which both the steam outlet opening and the lower opening of the air-guiding device lead. In this arrangement, a steam/air mixture is formed in the hollow space of the extension by sucking in air. This mixture can be led out through an outlet of the extension. To form a milk/steam/air mixture, the outlet of the extension is introduced into an external receptacle filled with milk. The upper opening of the air-guiding device is assigned a regulating device which influences the size of the opening cross-section. This regulating device is formed by the accessory device or by a part of the same. This is done in that the accessory device or one of its parts is detachably connected to the coupling of the superheated-steam pipe of the expresso machine. To form different opening cross-sections of the inlet of the air-guiding device, the parts are transferred into different positions, in particular angular positions.

Inventors

BORGMANN MICHAEL

Latest standardized assignees - inventors removed

ROBERT KRUPS

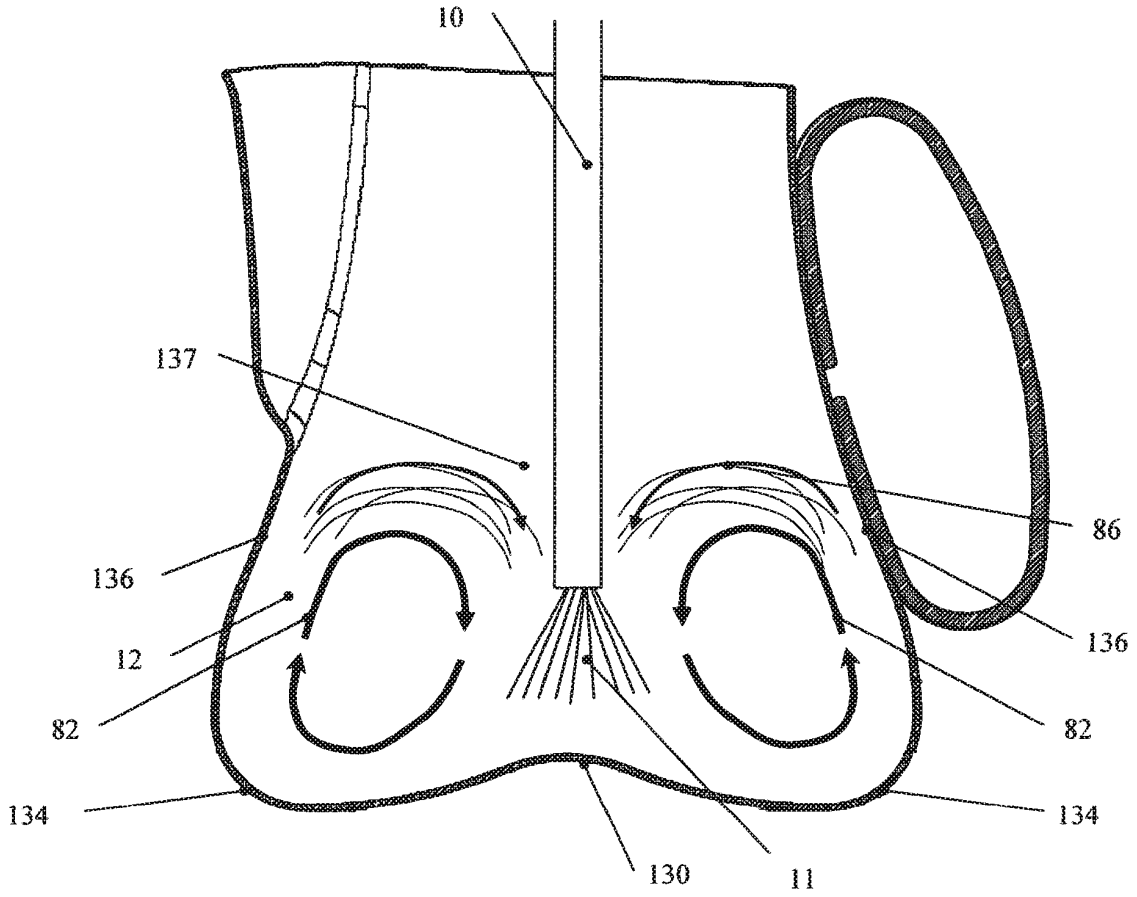
Family 85/200 - FAMPAT - ©Questel

Title

(US20070187421)

Method and apparatus for controlling fluid flow in a steaming pitcher

Images



Publication data including kind & date

US10398255	B2	2019-09-03	US10398255
US20170181569	A1	2017-06-29	US20170181569
US9629496	B2	2017-04-25	US9629496
US20140016429	A1	2014-01-16	US20140016429
US20070187421	A1	2007-08-16	US20070187421

Abstract

(US20070187421)

A steaming pitcher comprising a flow receiving surface adapted to receive an incoming flow of steam at a substantially oblique angle provides enhanced control of fluid flow inside the steaming pitcher to enhance mixing and heating of the fluid by the incoming steam. The steaming pitcher may also comprise flow directing and launching surfaces to assist in control of fluid flow patterns. A flow control kit with a flow receiving surface may be installed in an existing flat-bottom steaming pitcher to provide aspects of fluid flow control. The flow receiving, flow directing and launching surfaces of the steaming pitcher may be substantially smooth, faceted, or a combination thereof.

Inventors

CONSTANTINE BRUCE

MCLEAN CHRISTOPHER

Latest standardized assignees - inventors removed

ESPRO

Family 86/200 - FAMPAT - ©Questel

Title

(FR2975671)

System for filling glass container with beer in bars, has filling nozzle whose supply unit is provided with pressurized fluid, and sealing unit performing sealing between filling nozzle and bottom part of container

Images

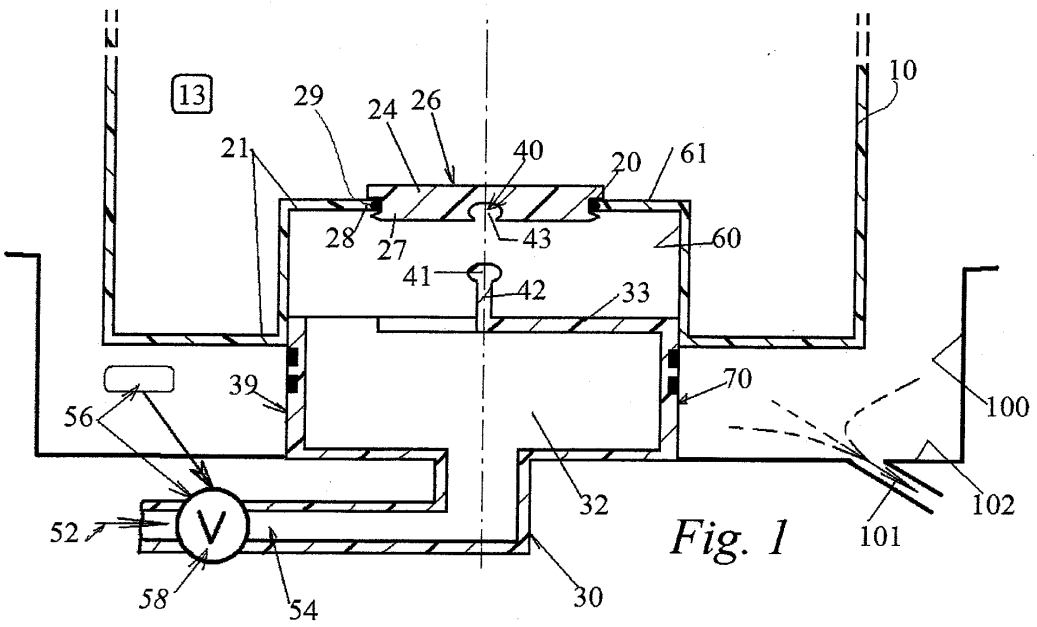


Fig. 1

Publication data including kind & date

FR2975671 A1 2012-11-30 FR2975671

Abstract

(FR2975671)

The system has a first sealed engagement unit (26) mounted in cooperation between an edge of a valve (24) and an edge (28) of an opening (20). A second sealed engagement unit (40) is mounted in cooperation between the valve and an end (33) of a filling nozzle (30). A supply unit of the nozzle is provided with a pressurized fluid. A connection unit is in fluid connection with an opening of the filling nozzle inside a container (10) when the valve is in a non-encased position. A sealing unit performs sealing between the filling nozzle and a bottom part (21) of the container.

Inventors

TRABELSI ZIAD
MARTON FREDERIC

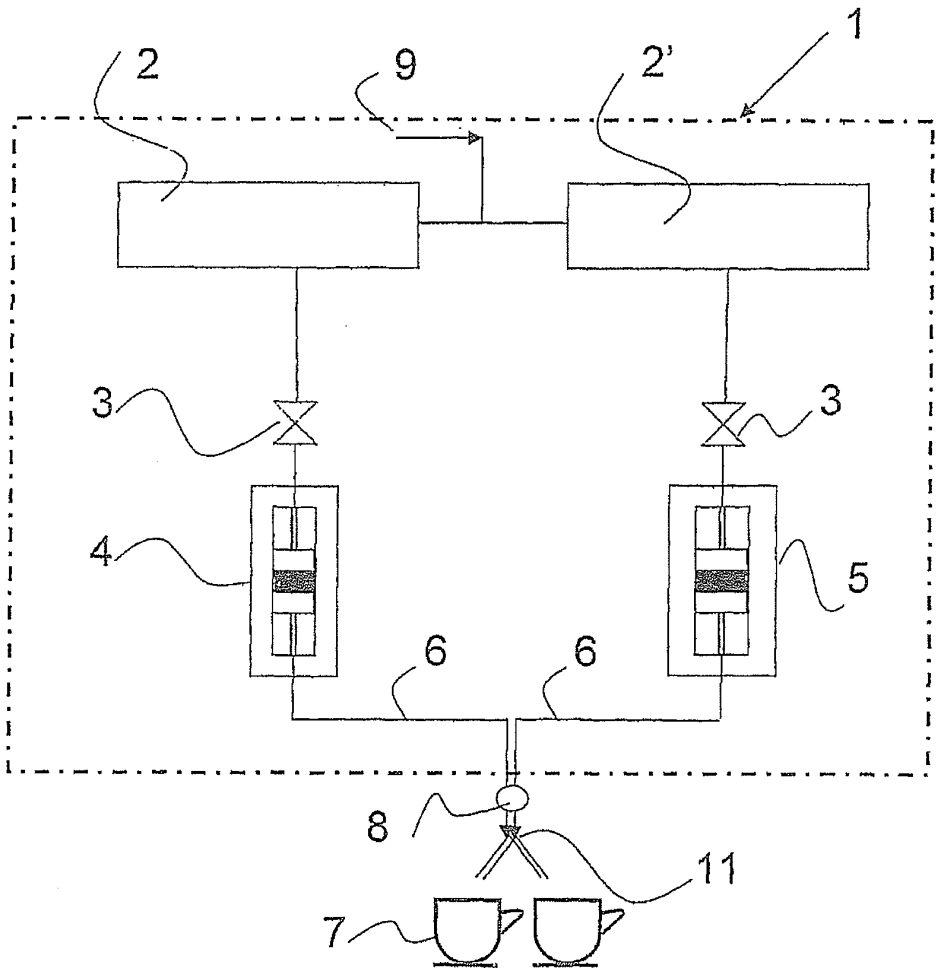
Family 87/200 - FAMPAT - ©Questel

Title

(EP2203097)

Coffee machines with at least two brewing units

Images



Publication data including kind & date

ES2609699	T3	2017-04-21	ES2609699
PT2203097	T	2017-01-09	PT2203097T
EP2203097	B1	2016-11-09	EP2203097
US20100224075	A1	2010-09-09	US20100224075
CN101827547	A	2010-09-08	CN101827547
EP2203097	A2	2010-07-07	EP2203097
WO2009/049430	A3	2009-08-13	WO200949430
WO2009/049430	A2	2009-04-23	WO200949430

Abstract

(EP2203097)

The inventive coffee machine (1) comprises at least two brewing units (4, 5) and a hot water device (2, 2') that supplies the brewing units (4, 5) with hot water. Said brewing units (4, 5) have a coffee outlet (11) in approximately the same place and each brewing unit (4, 5) can be controlled individually.

Inventors

ANLIKER MARKUS

Latest standardized assignees - inventors removed

RANCILIO

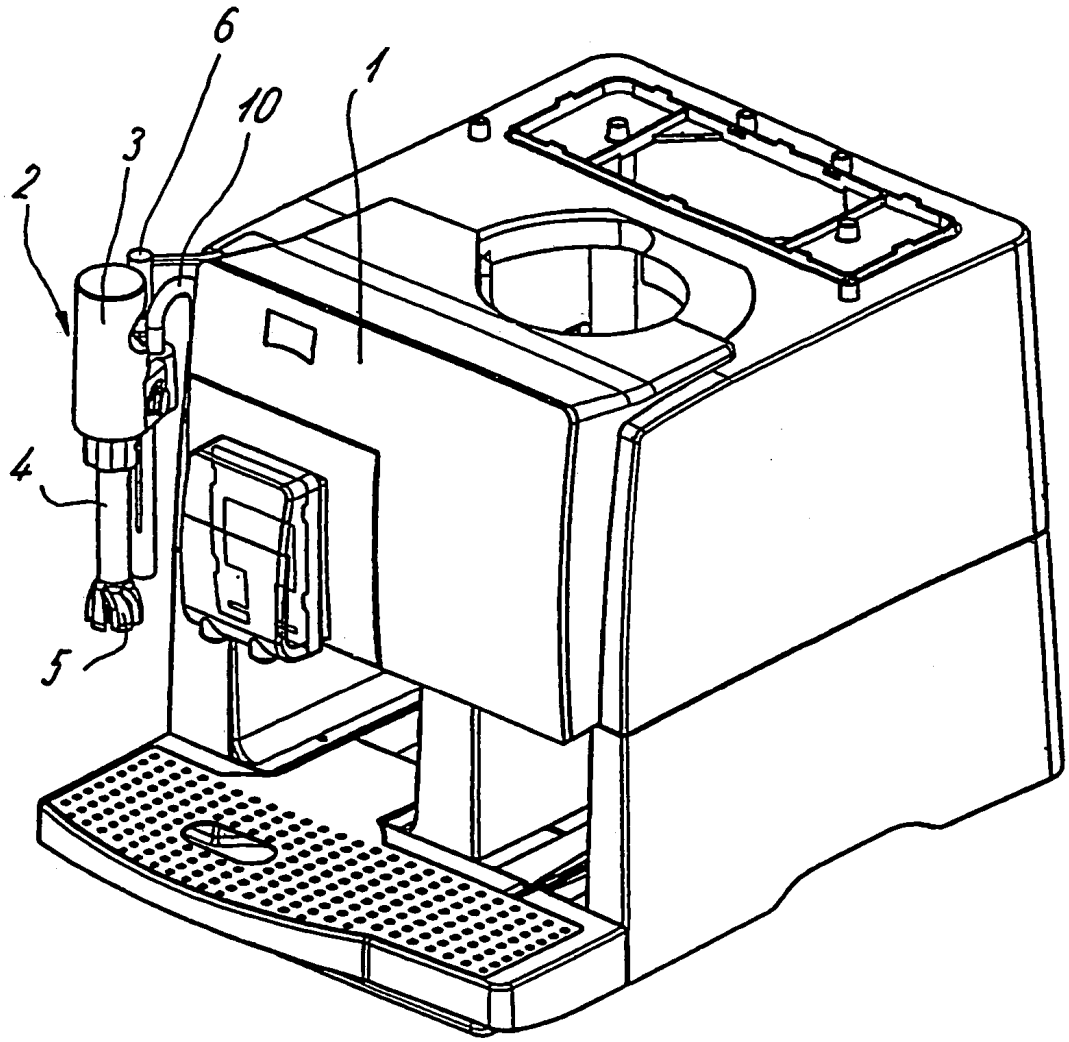
Family 88/200 - FAMPAT - ©Questel

Title

(EP1597992)

Device for frothing a liquid

Images



Publication data including kind & date

BRPI0501719	B1	2015-11-03	BR200501719
BRPI0501719	A2	2015-05-19	BR200501719
CA2507208	C	2012-10-30	CA2507208
JP4808993	B2	2011-08-26	JP4808993
DK1597992	T3	2009-12-21	DK1597992T
ES2330756	T3	2009-12-15	ES2330756
PT1597992	E	2009-12-09	PT1597992
DE502005008026	D1	2009-10-15	DE502005008026
AT441348	T	2009-09-15	ATE441348
EP1597992	B1	2009-09-02	EP1597992
US7264232	B2	2007-09-04	US7264232
BRPI0501719	A	2006-01-10	BR200501719
DE102004024721	A1	2005-12-15	DE102004024721
JP2005329241	A	2005-12-02	JP2005329241
US20050259508	A1	2005-11-24	US20050259508
EP1597992	A1	2005-11-23	EP1597992
CA2507208	A1	2005-11-19	CA2507208
BRPI0501719	A1	2005-07-19	BR200501719

Abstract

(EP1597992)

Device for foaming milk in coffee machines has pipe feeding steam-air mixture into area of twirler which whirls it round with milk

The device has a turbine and a twirler. The steam-air mixture is fed through a pipe (4) into the area of the twirler where it is whirled round with the milk. - A ring-shaped cover (5) is placed around the twirler and has several through openings and several webs which form inclined flow guide faces. The twirler can be removed with a shaft from part of the housing of the turbine for cleaning purposes.

Inventors

ROHDE FLORIAN

Latest standardized assignees - inventors removed

MELITTA EUROPA

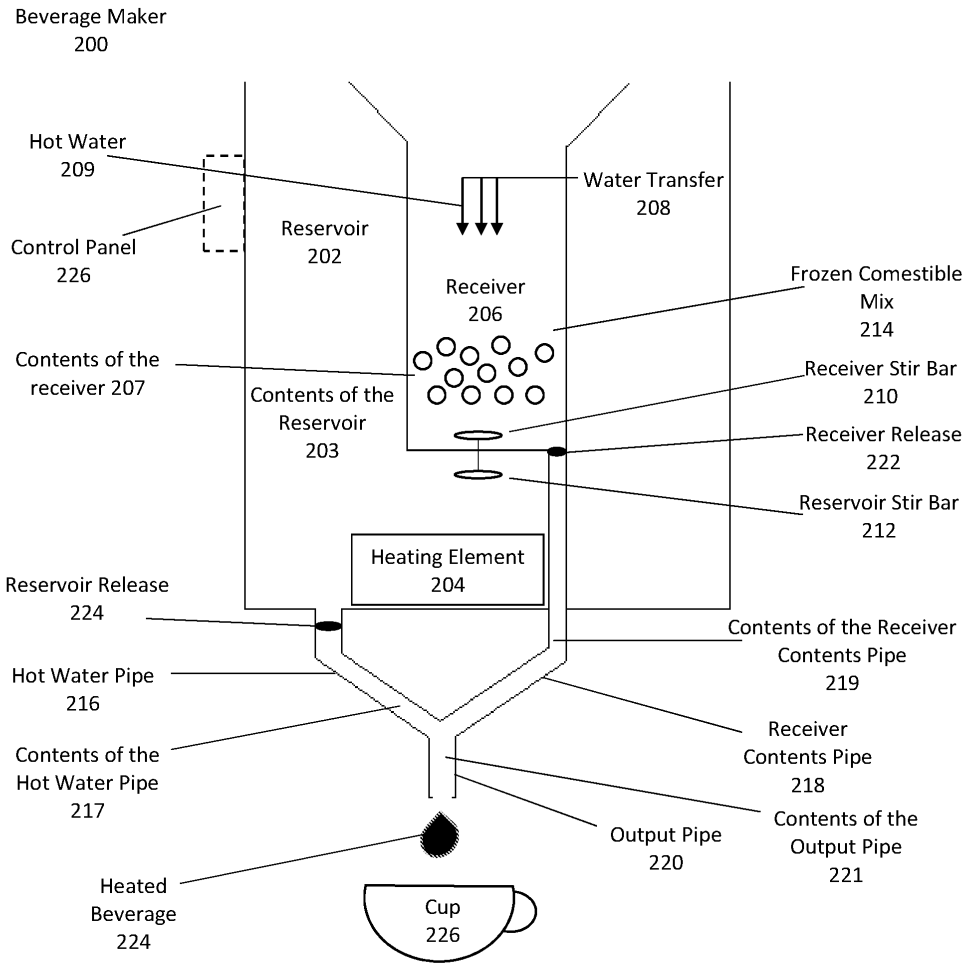
Family 89/200 - FAMPAT - ©Questel

Title

(US20170354290)

Preparation of Heated Beverages

Images



Publication data including kind & date

US20170354290 A1 2017-12-14 US20170354290

Abstract

(US20170354290)

A beverage maker, including a receiver including a hollow body with an interior surface and an exterior surface, wherein the

hollow body is configured to retain contents, a reservoir configured to retain fluid, a fluid transfer configured to transfer fluid from the reservoir to the receiver, a heating element in thermal communication with at least one of the reservoir and the receiver, and at least one pipe configured to receive contents from the receiver, wherein the at least one pipe is configured to dispense the contents from the beverage maker.

Inventors

JONES CURT

Latest standardized assignees - inventors removed

BEADED DISTRIBUTION

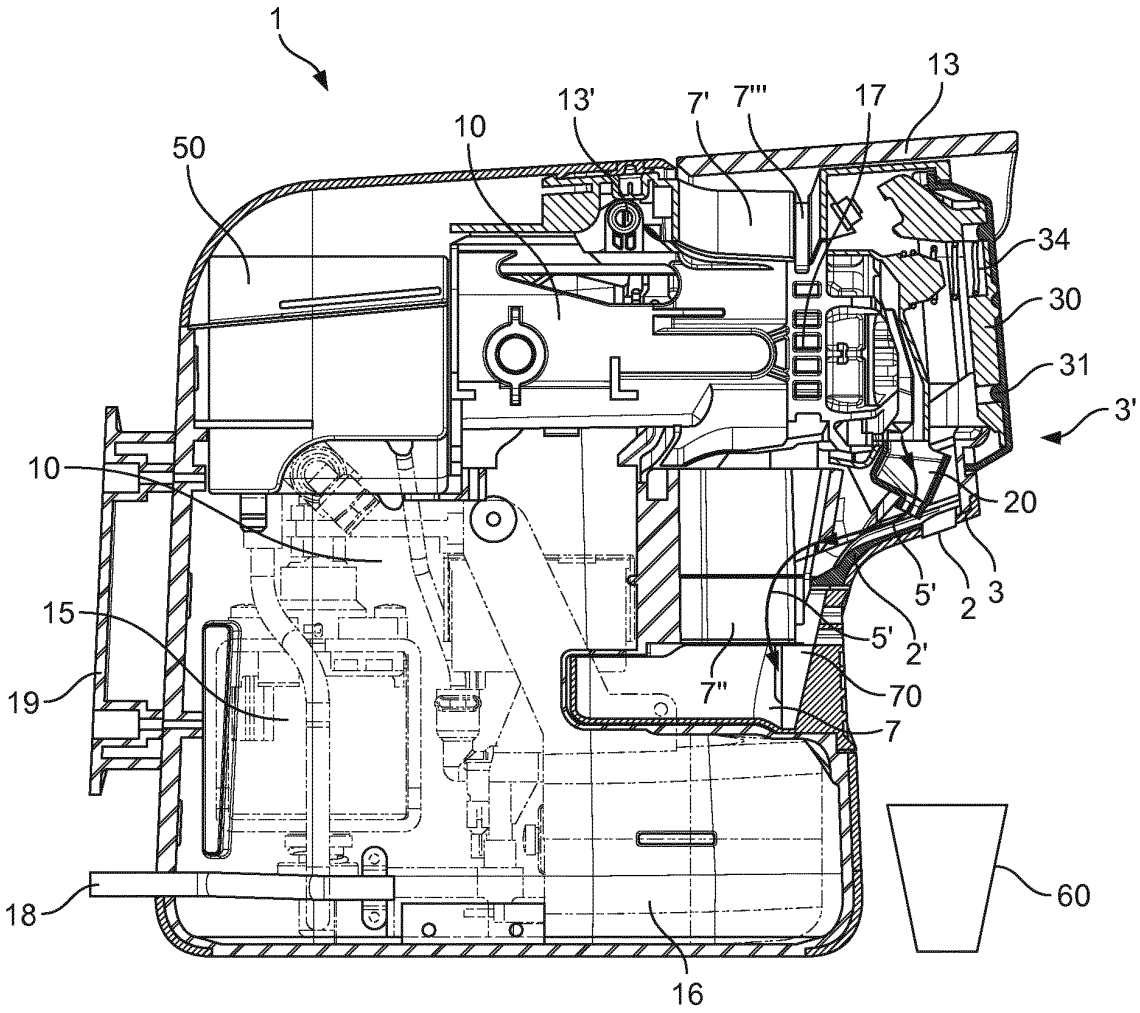
Family 90/200 - FAMPAT - ©Questel

Title

(EP3223668)

Liquid dispensing machine with compact drop stop

Images



Publication data including kind & date

EP3223668	B1	2018-11-21	EP3223668
US20170360247	A1	2017-12-21	US20170360247
EP3223668	A1	2017-10-04	EP3223668
CN106998940	A	2017-08-01	CN106998940
WO2016/083488	A1	2016-06-02	WO201683488

Abstract

(EP3223668)

A machine (1) for dispensing a dispensable liquid (5) has: a liquid delivery module (10) for delivering the dispensable liquid (5) from a source (50) and a service area (7) for collecting collectable liquid (5') from the liquid delivery module (10). The

machine further includes a directing device (20) that has a dispensing position for directing said dispensable liquid (5) from the delivery module (10) to a dispensing area (6) and a collecting position for directing collectable liquid (5') from the delivery module (10) to the service area (7). The directing device (20) has only one evacuation portion (21) from which: - the dispensable liquid (5) is evacuated from the directing device (20) to the dispensing area (6) when the directing device (20) is in the dispensing position; and - the collectable liquid (5') is evacuated to the service area (7) when the directing device (20) is in the collecting position.

Inventors

BYUN DA MI

GUYON BERTRAND

MAGATTI MARCO

Latest standardized assignees - inventors removed

NESTLE

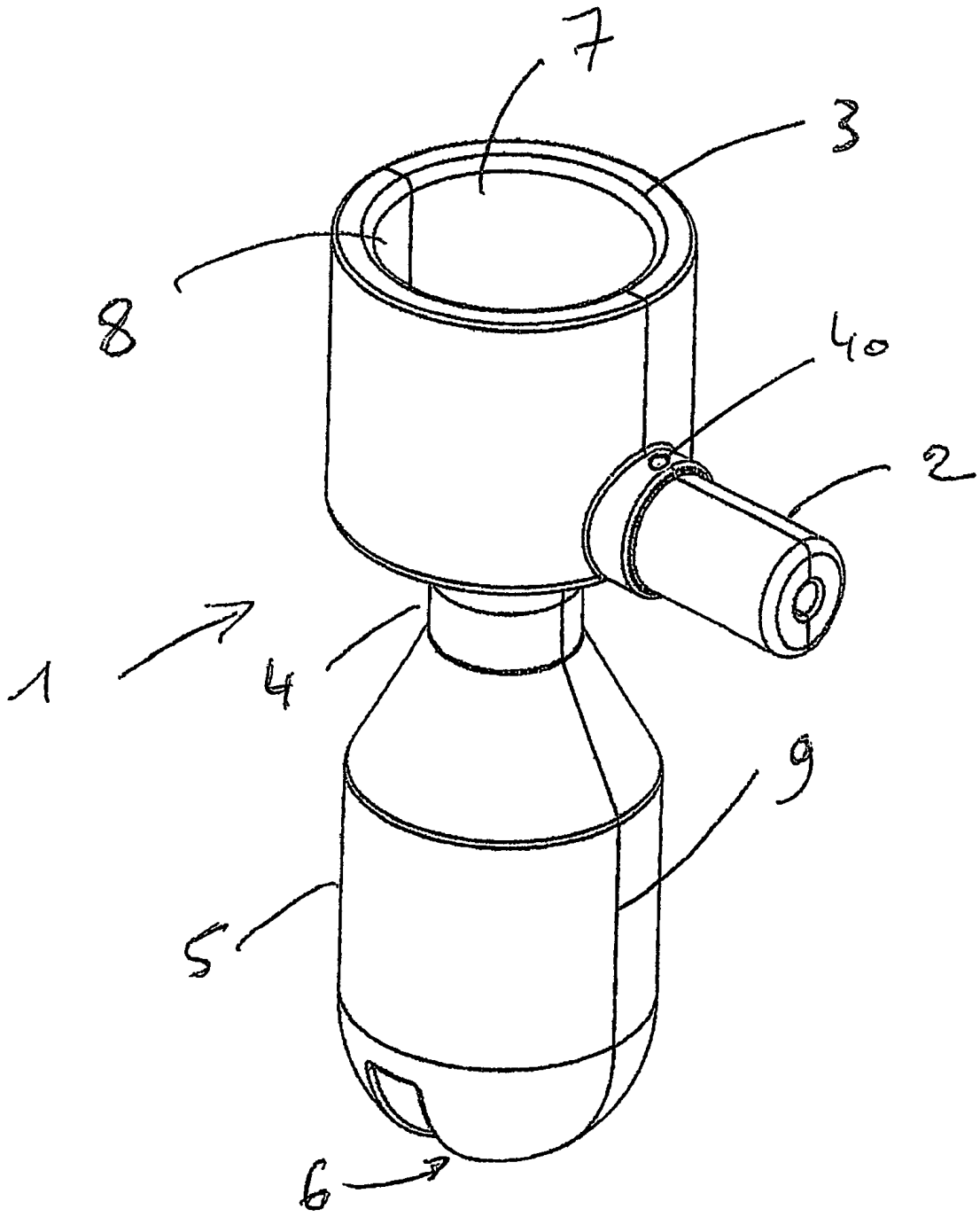
Family 91/200 - FAMPAT - ©Questel

Title

(EP1430819)

Connector piece for the steam outlet of a coffee machine

Images



Publication data including kind & date

US8549991	B2	2013-10-08	US8549991
DE60313495	T2	2008-01-10	DE60313495
DE60313495	D1	2007-06-06	DE60313495
AT360387	T	2007-05-15	ATE360387
EP1578236	B1	2007-04-25	EP1578236
US20060113408	A1	2006-06-01	US20060113408
EP1578236	A1	2005-09-28	EP1578236
AU2003298959	A1	2004-07-09	AU2003298959
WO2004/054413	A1	2004-07-01	WO200454413
EP1430819	A1	2004-06-23	EP1430819

Abstract

(EP1430819)

The end piece (1) comprises a mouth for the inlet of the vapor and is located on the coffee machine vapor outlet (12). A straw (15) is placed on the conduit perpendicular to the mouth for the inlet of liquid and air. When it is desired to make

cappuccino water vapor arrives in the conduit (13) and creates a vacuum in the zone (18) which causes milk to rise in the straw. A foam is formed in the zone (17) and the foamed milk leaves through the outlet (6).

Inventors

STIEGER MISCHA

YOAKIM ALFRED

Latest standardized assignees - inventors removed

NESTLE

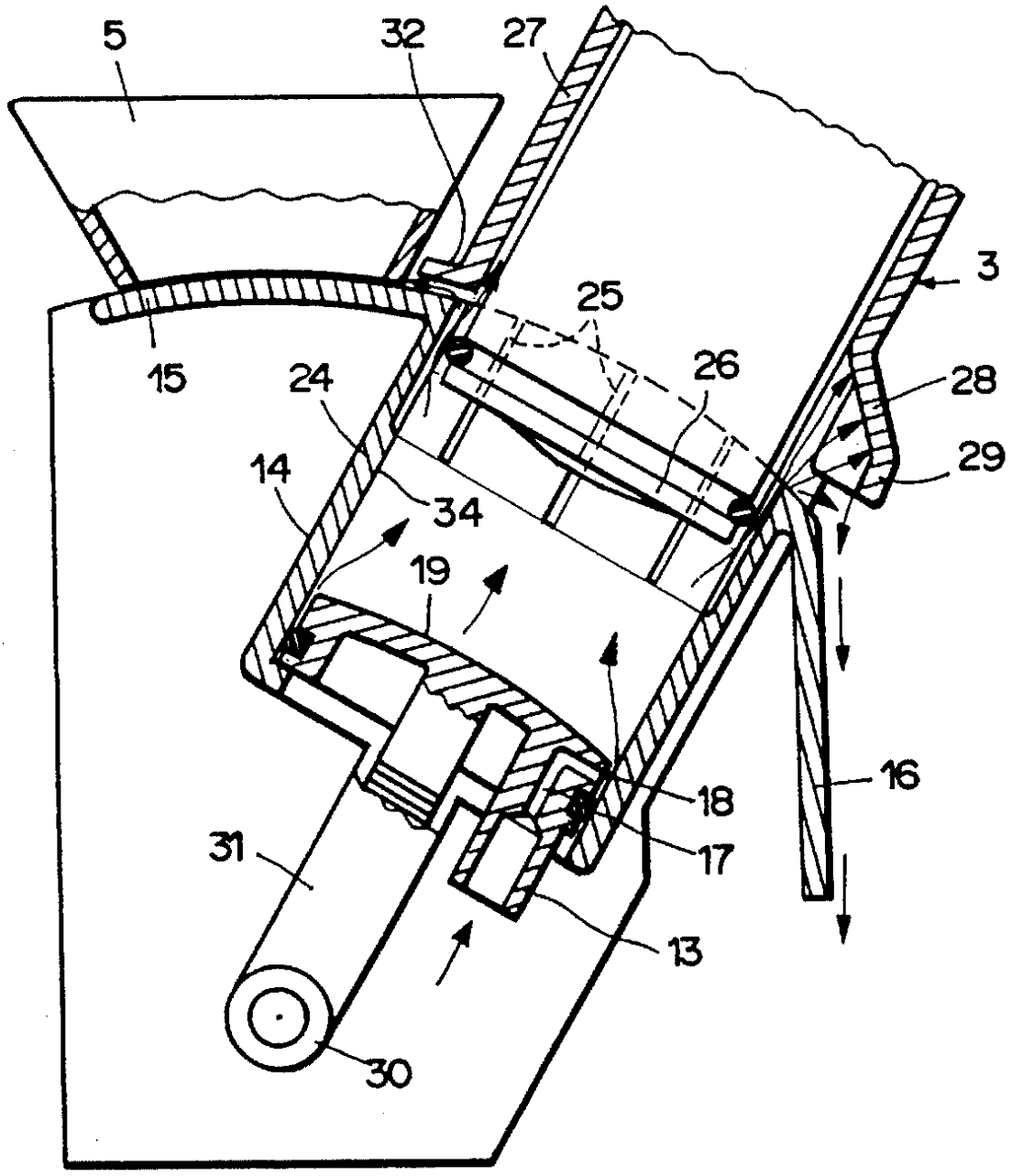
Family 92/200 - FAMPAT - ©Questel

Title

(EP-658330)

Method and device for cleaning a brewing apparatus, esp. a coffee brewer

Images



Publication data including kind & date

JP2802236	B2	1998-09-24	JP2802236
ES2118354	T3	1998-09-16	ES2118354
DE59405783	D1	1998-05-28	DE59405783

AT165224	T	1998-05-15	ATE165224
EP0658330	B1	1998-04-22	EP-658330
US5551988	A	1996-09-03	US5551988
JP07265213	A	1995-10-17	JP07265213
EP0658330	A1	1995-06-21	EP-658330

Abstract

(EP0658330)

The cleaning of the brewing apparatus (3) of the coffee brewer takes place in various stages. In a first stage, water is fed from a water container, via the water connection (13) of the brewing cylinder (14), through the outflow pipe arranged in the brewing plunger (26), to an external water container. The cleaning water follows the path of the brewed coffee in this stage. In a second stage (see fig. 3), the cleaning water is led from the brewing cylinder (14), via channels (25) arranged in the wall (24) of the brewing cylinder (14), into regions outside the brewing cylinder and cleans, inter alia, the second projecting part (16) for the feeding of the coffee residue to the residue container. In a third stage, by displacing the expelling plunger (19), the water situated in the brewing chamber is caused to flow out over the edge of the brewing cylinder. In a fourth stage, a chemical or biological cleaning agent is introduced into the brewing chamber via the powder shaft, or from a cleaning-agent tank, or from the water tank, or from a cartridge, water then being conveyed into the brewing cylinder, and this process being repeated several times. Lastly, a rinsing operation takes place.

Inventors

REYHANLOO SHAHRYAR

HERMANN MARKUS

ANLIKER MARKUS

Latest standardized assignees - inventors removed

JURA ELEKTROAPPARATE

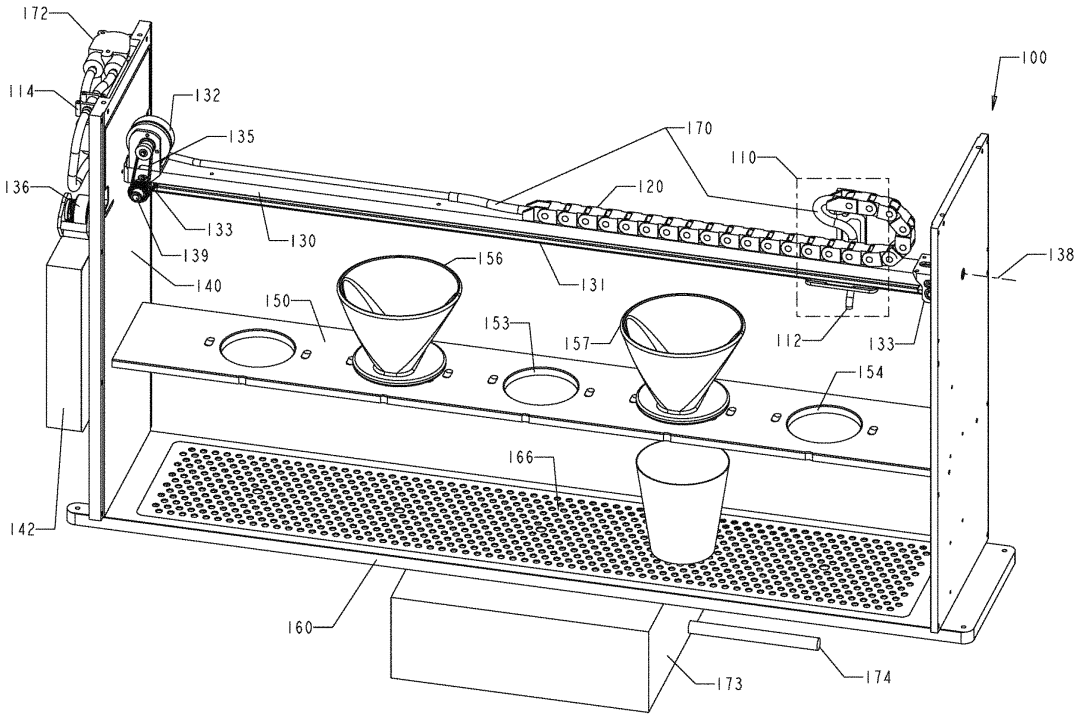
Family 93/200 - FAMPAT - ©Questel

Title

(US9808114)

Automated machine for producing multiple cups of coffee

Images



Publication data including kind & date

US10143331	B1	2018-12-04	US10143331
US9808114	B1	2017-11-07	US9808114

Abstract

(US9808114)
A coffee maker efficiently automates the process of pour-over coffee brewing by employing a computer system that controls how and when hot water is dispensed into a coffee filter. The computer system controls a mechanism that pulls a nozzle back and forth along a linear track, and rotates the linear track. A user generally puts a coffee filter in place and then pushes a button on the computer system once to allow the system to wet the coffee filter. Then the user could put coffee grounds into the coffee filter and push the button again to allow the system to lightly wet the surface of the coffee grounds. The user could then place the coffee cup underneath the filter and push the button a third time to allow coffee to be slowly brewed as spirals of hot water are dispensed on the coffee grounds.

Inventors

HEYS STUART
SIBENAC MARK
VON MUEHLEN STEPHAN

Latest standardized assignees - inventors removed

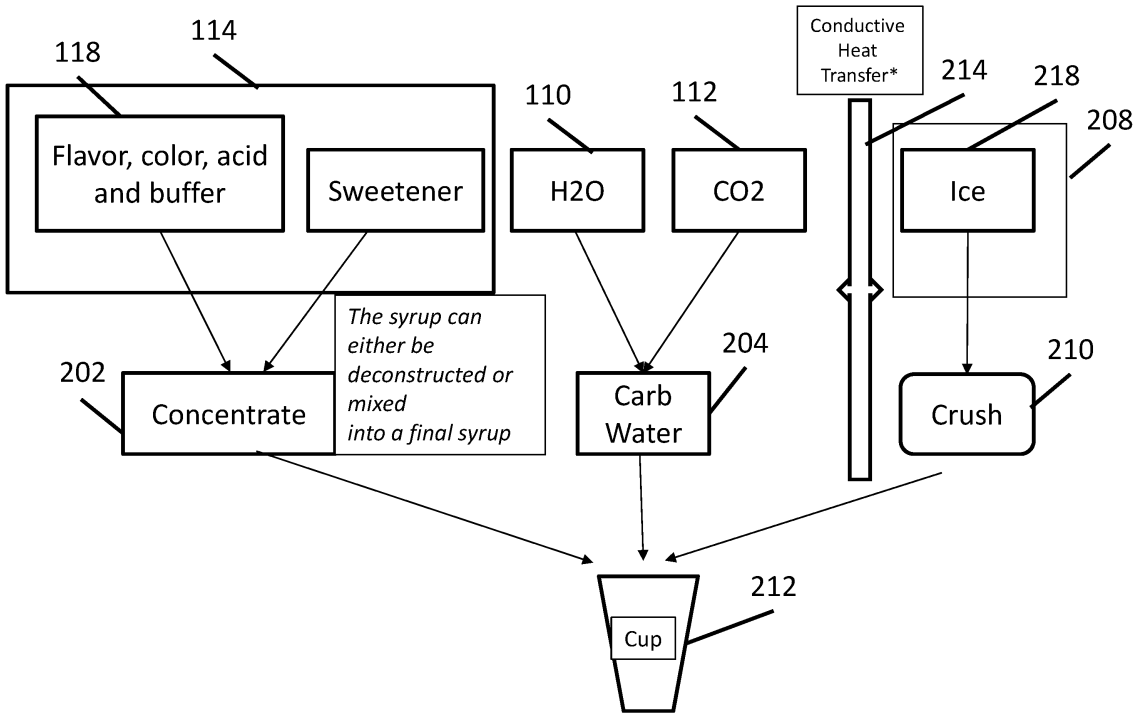
STEADY EQUIPMENT

Family 94/200 - FAMPAT - ©Questel

Title

(WO201715576)
Methods and systems for an intelligent beverage mixing appliance

Images



Publication data including kind & date

US20180132507	A1	2018-05-17	US20180132507
WO2017/015576	A1	2017-01-26	WO201715576

Abstract

(WO2017/015576)
Provided herein are methods and systems for a networked soda reconstruction appliance, adapted for home or office use, that includes intelligent sub-systems for handling various beverage components, which can be mixed under intelligent

control, including local control and control by a remote host system, which may help manage the appliance itself as well as the replenishment supply chains involved in delivering appropriate beverage components to the appliance.

Inventors

SIEGEL THOMAS G

BECKER TODD H

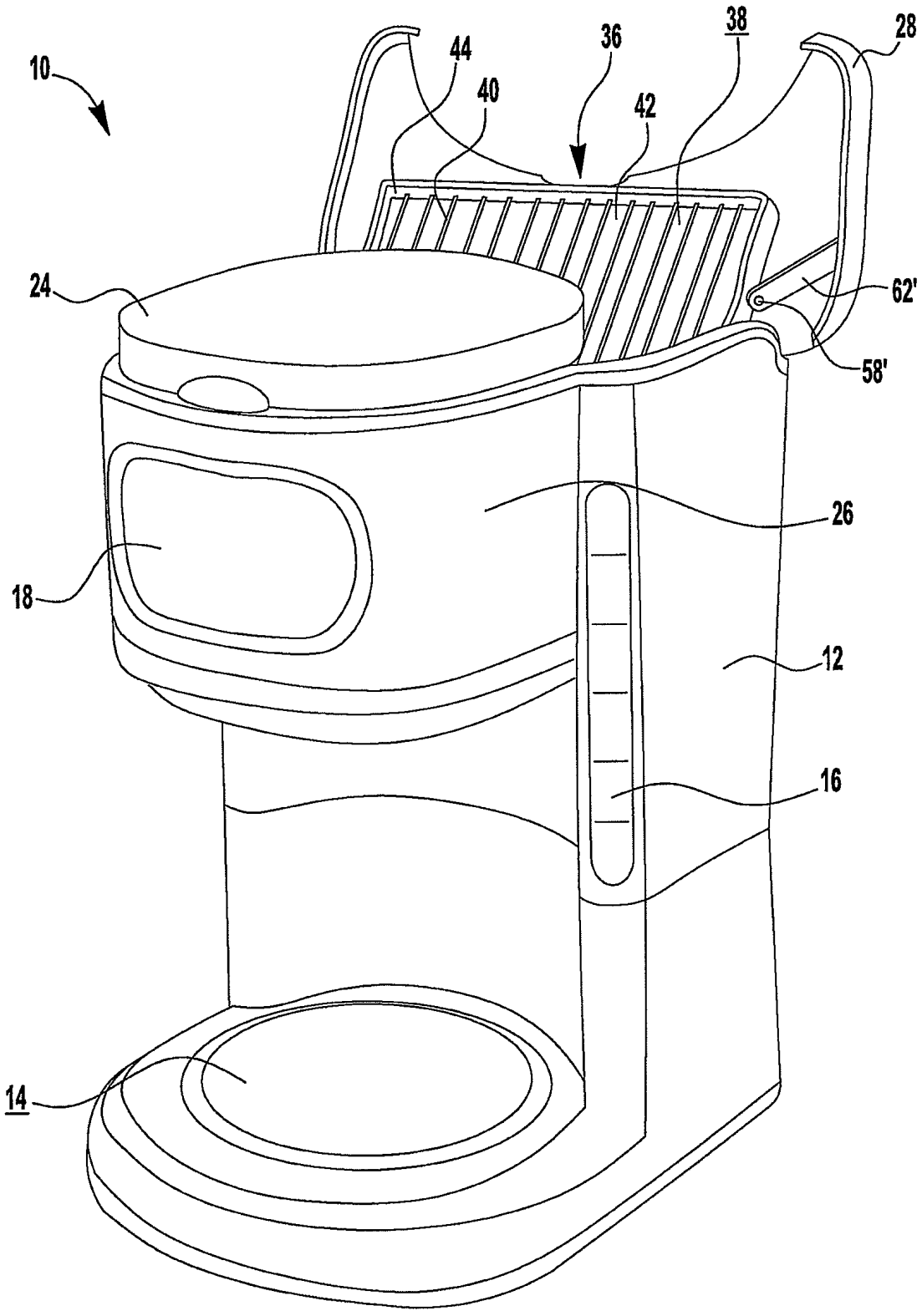
Family 95/200 - FAMPAT - ©Questel

Title

(WO2010105208)

Cleaning cycle indicator and cleaning process for beverage maker

Images



Publication data including kind & date

GB2473984	B	2017-03-29	GB2473984
BRPI1004562	A2	2016-04-05	BR201004562
US8511220	B2	2013-08-20	US8511220
JP2012520156	A	2012-09-06	JP2012520156
CN102137612	A	2011-07-27	CN102137612
GB2473984	A	2011-03-30	GB2473984
GB201100165	D0	2011-02-23	GB201100165
MX2010014514			

	A	2011-02-22	MX2010014514
CA2727383	A1	2010-09-16	CA2727383
US20100229729	A1	2010-09-16	US20100229729
WO2010/105208	A1	2010-09-16	WO2010105208

Abstract

(WO2010/105208)

Various embodiments are directed to a beverage maker. The beverage maker may include a brew system, an indicator to indicate at least one of a cleaning and a maintenance need of the beverage maker, and a control circuit. The brew system may include a reservoir to receive a liquid, a heater to heat the liquid, an expendable filter structured to filter impurities from the liquid for at least a predetermined number of brew cycles, and a container for receiving a beverage brewed from the filtered liquid. The control circuit may include a processor configured to receive a signal from at least one sensor indicative of an end of a brew cycle, increment a brew cycle counter by one count at the end of each brew cycle, and activate the indicator when a value of the brew cycle counter is equal to the predetermined number of brew cycles.

Inventors

GARCIA JORGE B

GROSS CHARLES BRIAN

Latest standardized assignees - inventors removed

WAL MART STORES

WALMART APOLLO

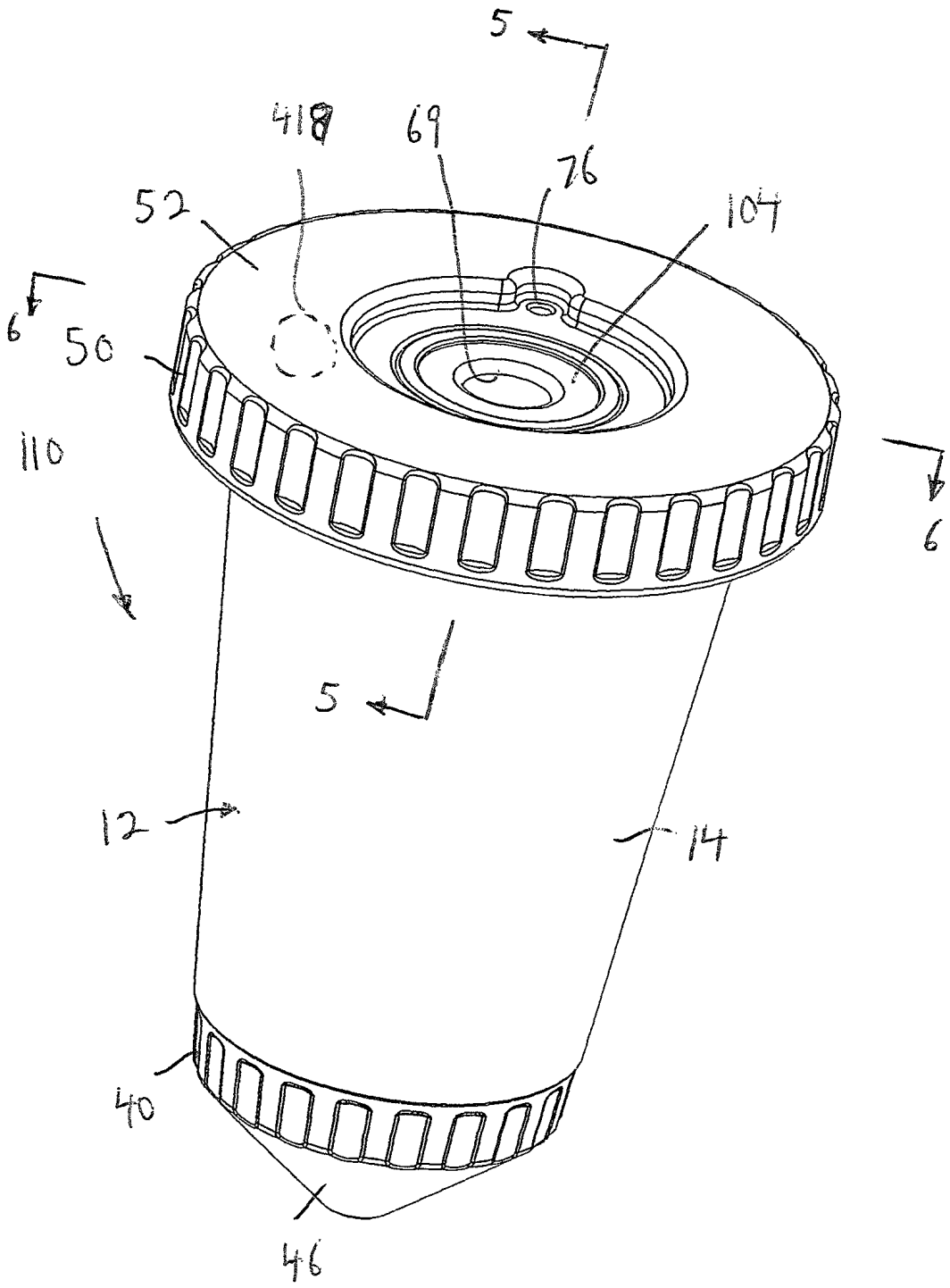
Family 96/200 - FAMPAT - ©Questel

Title

(EP3087014)

Brewable beverage making cup adaptor for cartridge type coffee making machines and cartridge type coffee making machine

Images



Publication data including kind & date

CN104188535	B	2018-01-30	CN104188535B
CA2934868	C	2018-01-02	CA2934868
EP3087014	A4	2017-08-09	EP3087014
JP6130076	B2	2017-05-17	JP6130076
JP2017506088	A	2017-03-02	JP2017506088
US9521923	B2	2016-12-20	US9521923
US9521924	B2	2016-12-20	US9521924
EP3087014	A1	2016-11-02	EP3087014
CA2934868	A1	2015-07-02	CA2934868
WO2015/099943	A1	2015-07-02	WO201599943
US20150173562	A1	2015-06-25	US20150173562
US20150173563	A1	2015-06-25	US20150173563

CN104188535 A 2014-12-10 CN104188535

Abstract

(EP3087014)

A brewable beverage making cup adaptor for cartridge type coffee making machines of the type having an inlet spout for supplying pressurized hot water, includes a cup body defining a chamber for holding a brewable material; a lower closure closing a lower end of the cup body, and including a small discharge opening through which a brewed liquid is discharged; an upper cover closing an upper end of the cup body, and including an inlet opening adapted to be positioned below the inlet spout for the supply of pressurized water to the cup body, and an offset valve opening for fluidly connecting the chamber with ambient atmosphere; and a valve for closing the valve opening when the chamber is filled at least at a predetermined level with the pressurized water and for opening the valve opening when the pressurized water in the chamber falls below the predetermined level.

Inventors

PRILEY ANTHONY P

Latest standardized assignees - inventors removed

PANGAEA LABS

AFFINITEA BREWING TECHNOLOGY

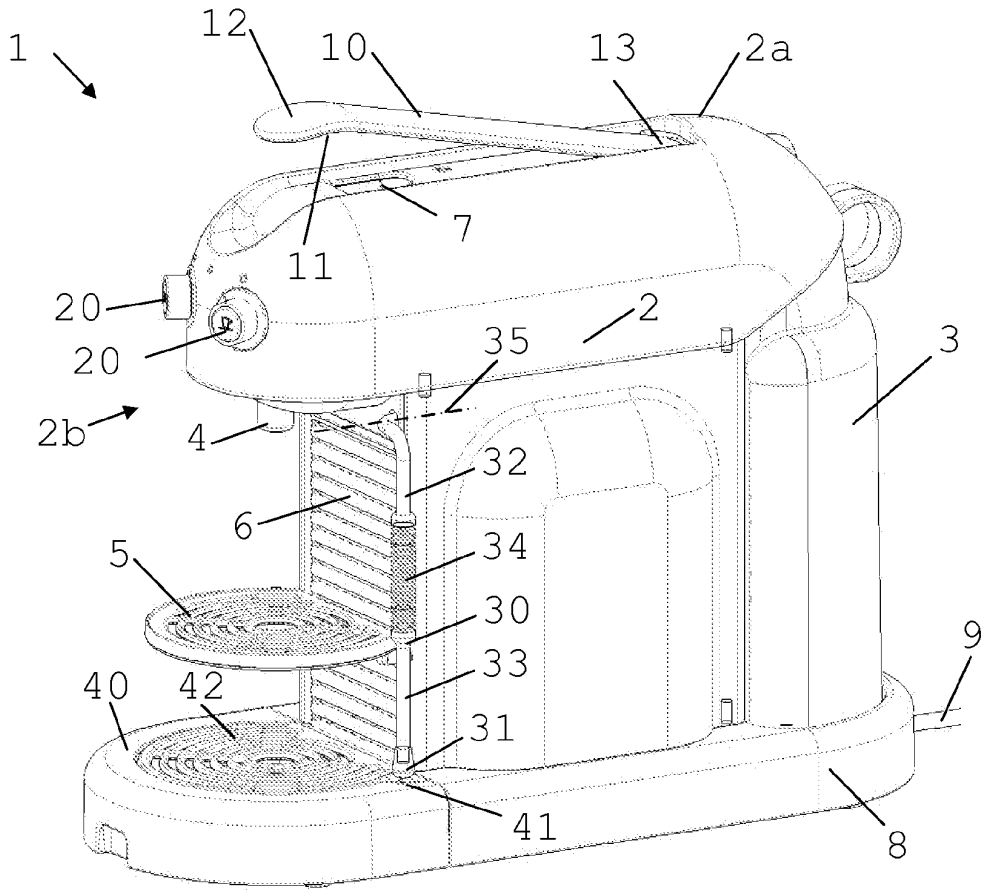
Family 97/200 - FAMPAT - ©Questel

Title

(EP2571407)

Storable hot water or steam delivery device

Images



Publication data including kind & date

BR112012029641 A2 2016-08-02 BR112012029641

CN102905586	B	2015-11-25	CN102905586B
AU2011254530	B2	2015-08-27	AU2011254530
RU2557492	C2	2015-07-20	RU2557492
IN9996/DELNP/2012	A	2014-09-05	IN2012DN09996
RU2012155627	A	2014-06-27	RU2012155627
ES2466865	T3	2014-06-11	ES2466865
ZA201209688	B	2014-05-28	ZA201209688
PT2571407	E	2014-05-02	PT2571407
EP2571407	B1	2014-04-16	EP2571407
BR112012029641	A1	2013-12-31	BR112012029641
JP2013526358	A	2013-06-24	JP2013526358
US20130112085	A1	2013-05-09	US20130112085
EP2571407	A1	2013-03-27	EP2571407
CN102905586	A	2013-01-30	CN102905586
AU2011254530	A1	2012-11-22	AU2011254530
CA2800017	A1	2011-11-24	CA2800017
WO2011/144722	A1	2011-11-24	WO2011144722

Abstract

(EP2571407)

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

Inventors

TURCHI DANIEL

CAHEN ANTOINE

Latest standardized assignees - inventors removed

NESTEC

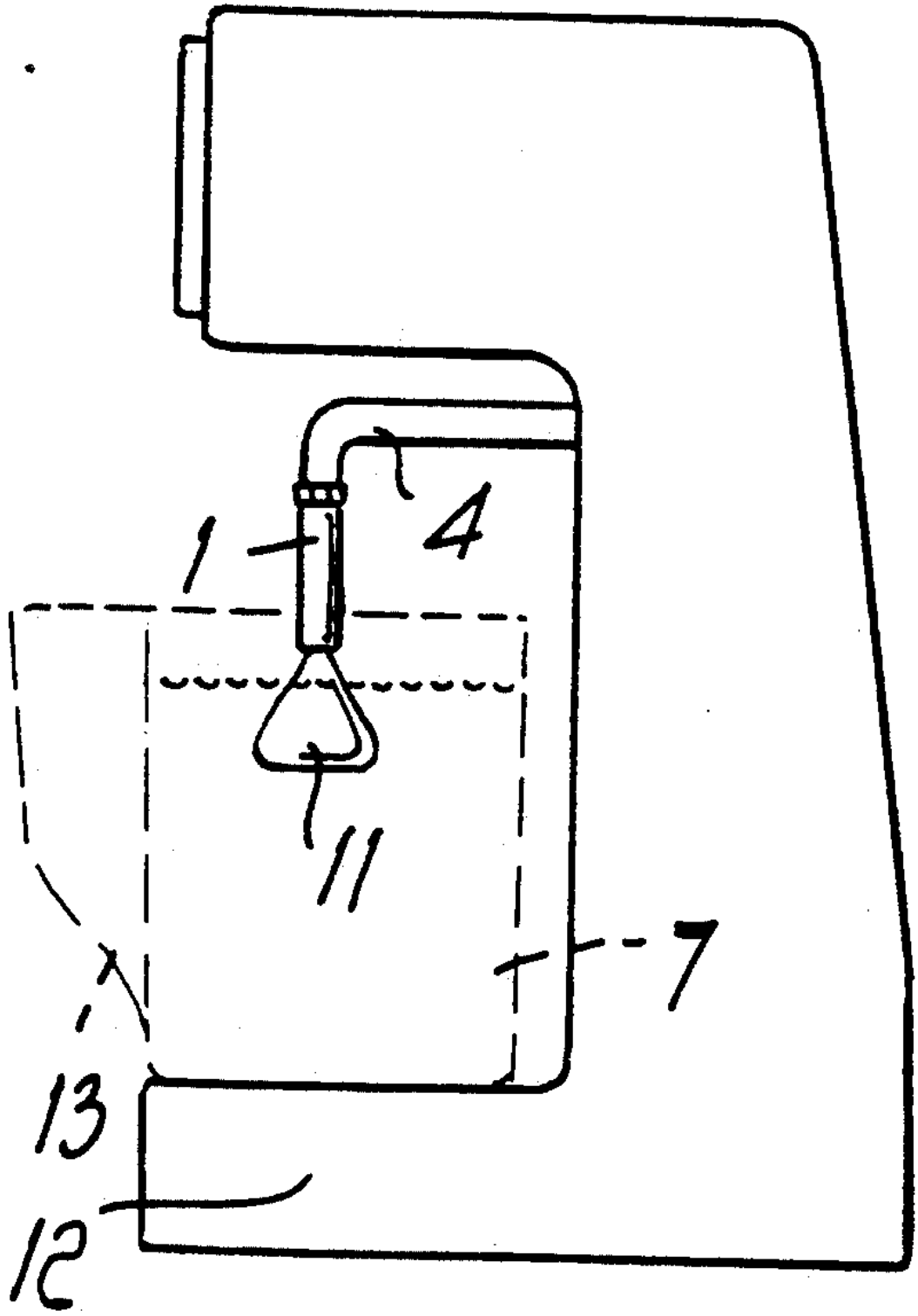
Family 98/200 - FAMPAT - ©Questel

Title

(EP-509505)

Steam ejection nozzle for beverages

Images



Publication data including kind & date

IT1247502	B	1994-12-17	IT1247502
US5233915	A	1993-08-10	US5233915
EP0509505	A3	1993-01-20	EP-509505
EP0509505	A2	1992-10-21	EP-509505
ITMI911082	A1	1992-10-20	IT91MI1082
ITMI911082	D0	1991-04-19	IT91MI1082

Abstract

(EP0509505)

The steam ejection nozzle comprises an elongated body (1) which internally defines a chamber (2). One end (3) of the body (1) is open for coupling to a steam delivery duct and the other end (5) has a plurality of steam discharge outlets (6).

The steam ejection nozzle furthermore comprises a lamination cone (11) which can be partially immersed within a fluid to be emulsified. The lamination cone (11) is skimmed by the flow of steam discharged from the outlets (6) in order to facilitate penetration of the steam into the liquid and create a vortex which increases the inclusion of air.

Inventors

SICCARDI, ALBERTO

Latest standardized assignees - inventors removed

SPIDEM

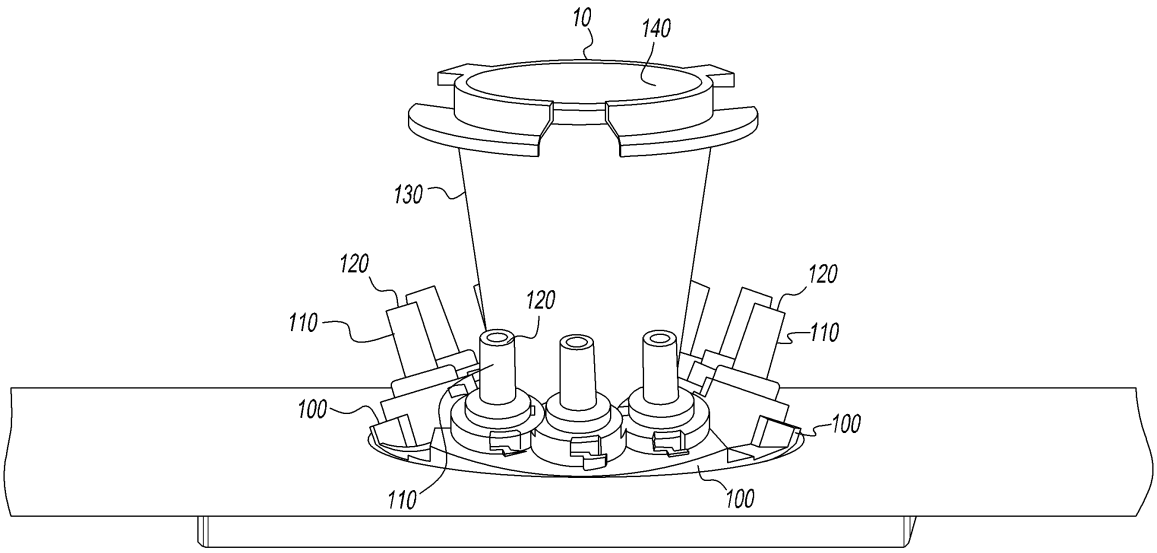
Family 99/200 - FAMPAT - ©Questel

Title

(EP2941402)

Method and system for securing and removing a liquid molding system valve from a beverage dispenser

Images



Publication data including kind & date

RU2015129756	A	2017-01-27	RU2015129756
EP2941402	A4	2016-09-21	EP2941402
EP2941402	A1	2015-11-11	EP2941402
KR20150112956	A	2015-10-07	KR20150112956
US9126815	B2	2015-09-08	US9126815
MX2015007769	A	2015-09-04	MX2015007769
AU2013361354	A1	2015-07-02	AU2013361354
US20140182715	A1	2014-07-03	US20140182715
CA2896026	A1	2014-06-26	CA2896026
WO2014/100368	A1	2014-06-26	WO2014100368

Abstract

(EP2941402)

Disclosed is a beverage system having an ingredient module and an ingredient dispensing valve assembly in communication with the ingredient module via at least one ingredient conduit, in which the ingredient dispensing valve assembly includes a dispensing manifold with at least one dispensing valve having a through-hole, an insert disposed within the through-hole, and a valve disposed between the insert and the dispensing valve, with the dispensing valve having a body portion and the insert is removeably connected to the body portion. The insert can be secured to the body portion of the dispensing valve by a locking mechanism, with the locking mechanism providing for removing or securing the valve from between the body portion of the dispensing valve and the insert by hand.

Inventors

COOPER ANTHONY AUSTIN
MYER GREGORY ALAN
BOYD PETER
BAITY SHANNON
BRAGG JOHN
MERRITT MICHAEL

Latest standardized assignees - inventors removed

MANITOWOC FOODSERVICE

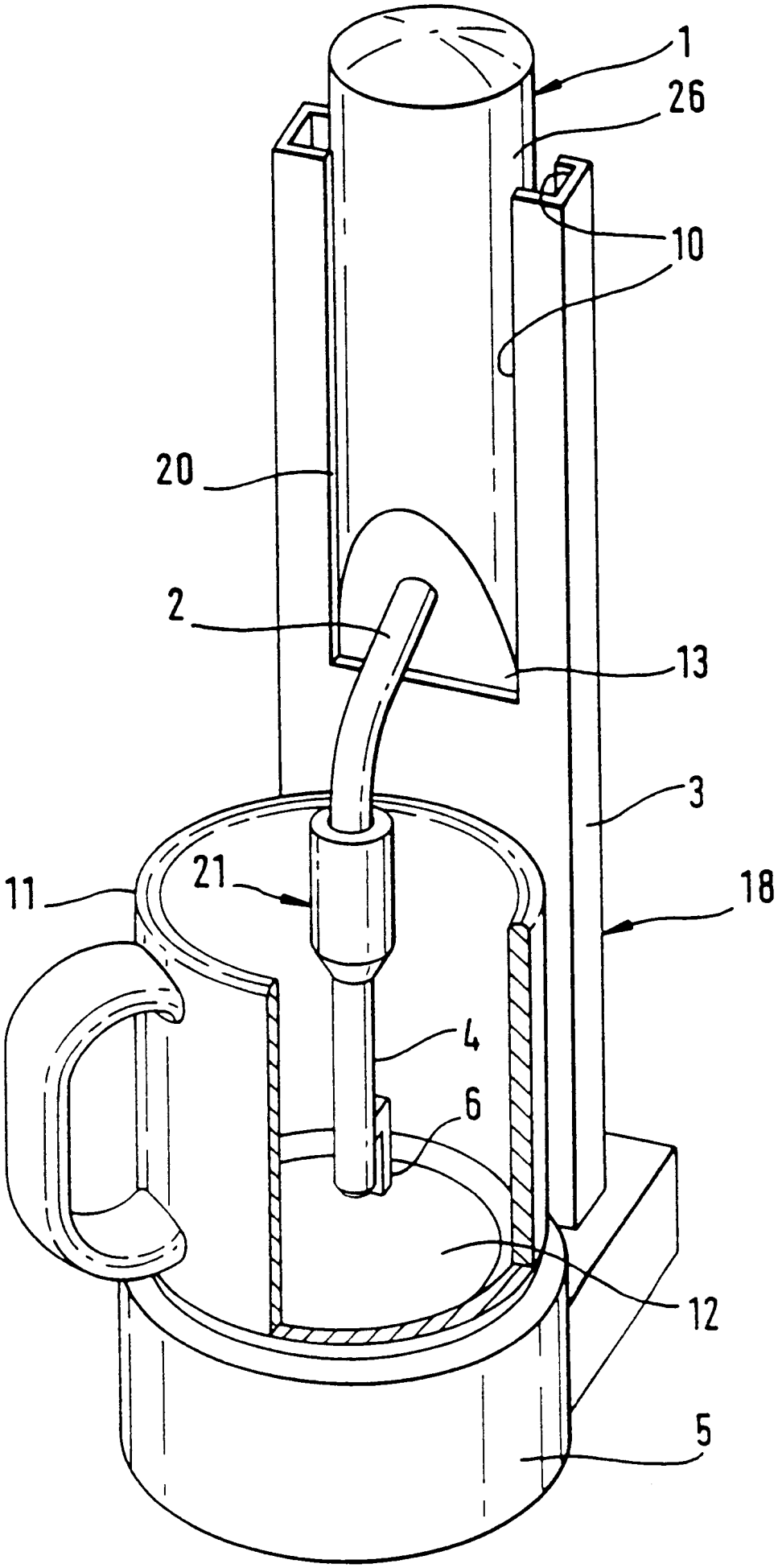
Family 100/200 - FAMPAT - ©Questel

Title

(EP1051940)

Device for whipping milk

Images


1
26
10
20
2
13
3
11
21
18
4
6
12
5

Publication data including kind & date

EP1051940	A3	2002-01-16	EP1051940
US6293187	B1	2001-09-25	US6293187
EP1051940	A2	2000-11-15	EP1051940
DE19921483	C1	2000-08-17	DE19921483

Abstract

(EP1051940)

Appts for foaming milk has a steam pipe with an end jet extending from a base body with a sliding vertical movement in a housing to move the jet in and out of the milk without holding the vessel

The appts. to foam milk, in a vessel, has a steam pipe (2) from the base body (1) which has a jet (4) inserted into the interior of the milk vessel (11). The base body (1) with the steam pipe (2) rides in vertical guides (10) at the housing (3), to be moved up and down and bring the jet (4) in and out of the vessel (11) containing the milk, without a need to hold the milk vessel (11) by hand.

Inventors

ZILS JUERGEN W

Latest standardized assignees - inventors removed

BRAUN

Family 101/200 - FAMPAT - ©Questel

Title

(US3703187)

Dispensing valve

Images

SHEET 1 OF 2

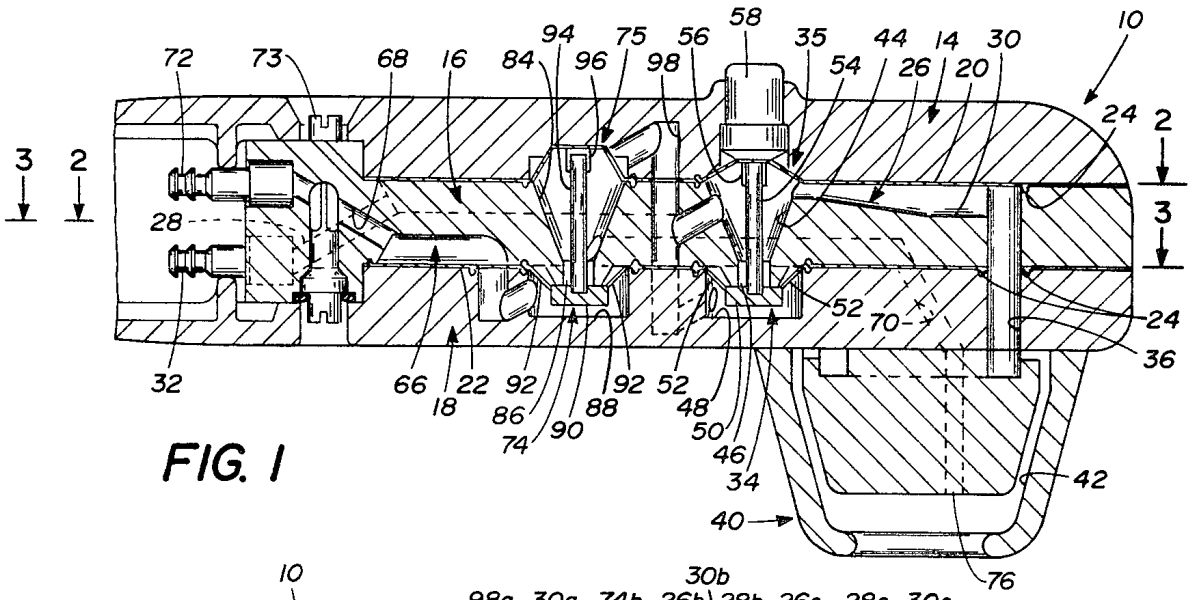


FIG. 1

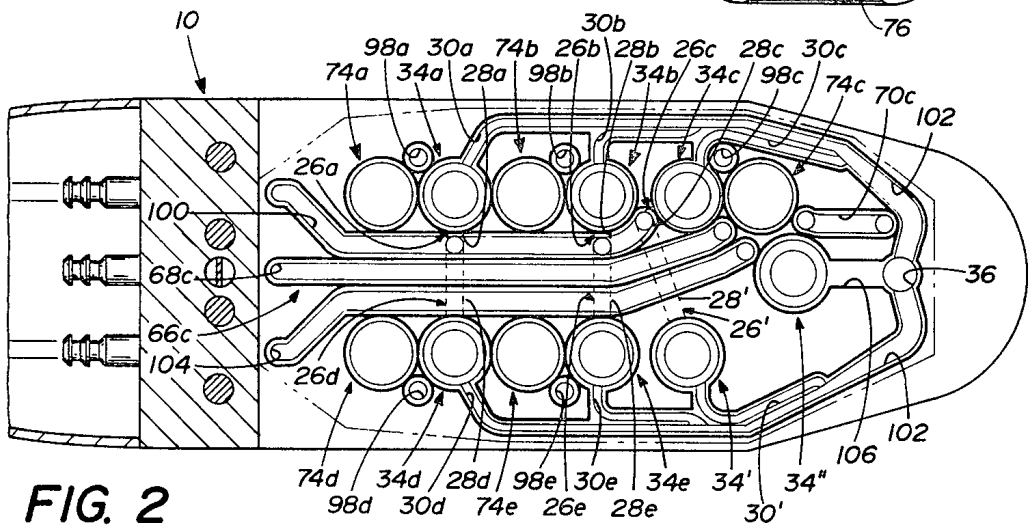


FIG. 2

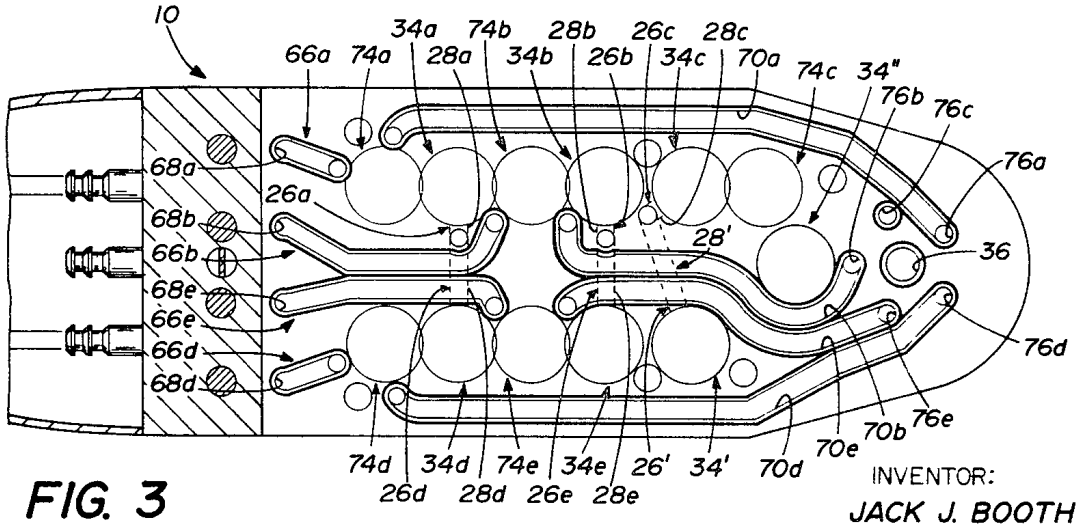


FIG. 3

INVENTOR:
JACK J. BOOTH

Richards, Harris & Hubbard
ATTORNEYS

Publication data including kind & date

AU461252	B2	1975-05-22	AU-461252
GB1325514	A	1973-08-01	GB1325514

AU3568071	A	1973-05-24	AU7135680
CA924271	A	1973-04-10	CA-924271
US3703187	A	1972-11-21	US3703187
DE2160512	A1	1972-06-15	DE2160512



Abstract

(US3703187)

A dispensing valve includes a housing comprising upper, center and lower members, and gaskets positioned between the members. A plurality of water valves and a plurality of corresponding syrup valves are formed in the housing. Each valve includes a portion of one of the gaskets for normally preventing flow between the lower member and the center member of the housing, and a rod for disengaging the gasket portion and thereby permitting flow. The rods of the water valves are activated by pushbuttons mounted in the upper member of the housing while the rods of the syrup valves are actuated by the pressure of water flowing through the corresponding water valves.

Inventors

BOOTH JACK J

Latest standardized assignees - inventors removed

BOOTH J J

Family 102/200 - FAMPAT - ©Questel

Title

(WO2018158179)

Dispenser with parallel dispensing paths

Images

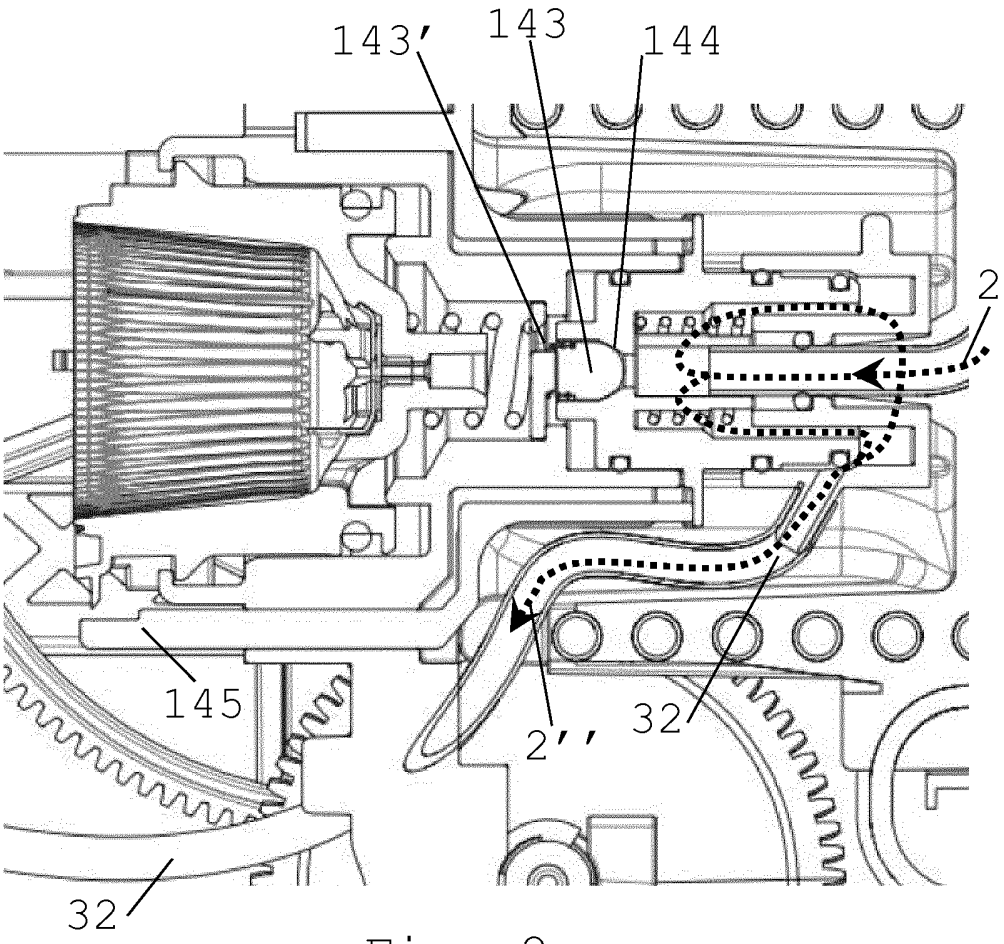


Fig. 2a

Publication data including kind & date

WO2018/158179 A1 2018-09-07 WO2018158179

Abstract

(WO2018/158179)

A beverage preparation machine (1) has: a water circuit (12,13) for guiding water (2,2',2'') from a source (11); and a mixing unit (20) fluidically connected to the water circuit (12,13) and to a beverage outlet (23) for dispensing to a consumer cup or mug (5) a beverage (3) formed in the mixing unit (20). The mixing unit (20) has a first module (21) and a second module (22) that are relatively movable from: a distant configuration for inserting an ingredient between the first and second modules (21,22); to a proximate position for combining such ingredient with water (2') supplied by the water circuit (12,13) so as to form the beverage (3). The machine has: a further unit (30) fluidically connected to the water circuit (12,13) and to an outlet (33) for dispensing to a consumer cup or mug water (2'') supplied by the water circuit (12,13); and a water directing device (14) fluidically connected to the water circuit (12,13), to the mixing unit (20) and to the further unit (30). The directing device (14) has one or more valves (141,142;143,144) that is/are actuated by the relatively moving first and/or second modules (21,22) and that can be opened and closed for controlling a flow of water (2,2',2'') from the water circuit (12,13) selectively to the mixing unit (20) or to the further unit (30).

Inventors

GAVILLET GILLES

MOERI PETER

Latest standardized assignees - inventors removed

NESTEC

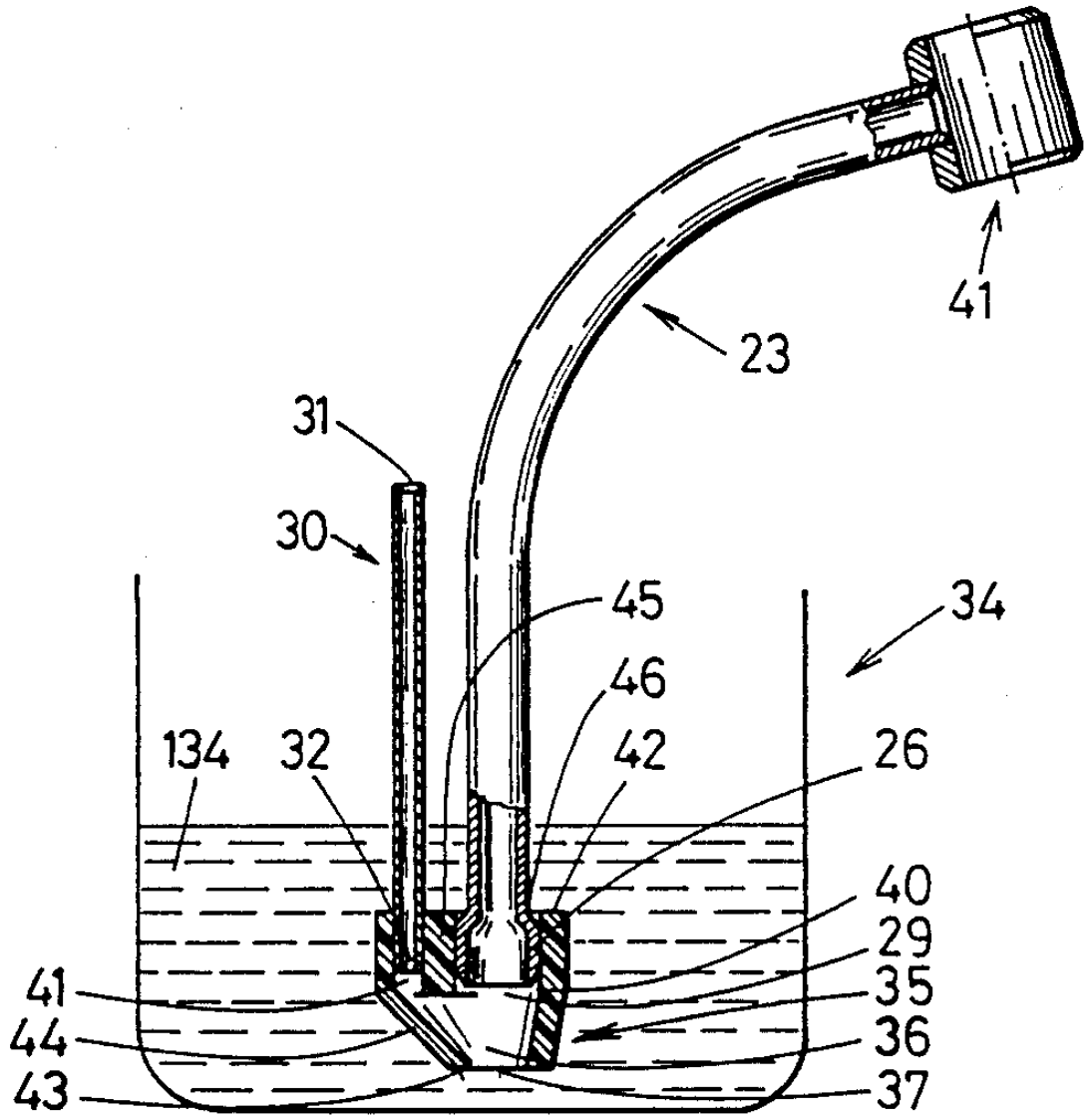
Family 103/200 - FAMPAT - ©Questel

Title

(EP-374637)

Device for preparing cappuccino coffee

Images



Publication data including kind & date

DE3842206	C2	1994-05-26	DE3842206
DE58901698	D1	1992-07-23	DE58901698
AT77221	T	1992-07-15	ATE077221
EP0374637	B1	1992-06-17	EP-374637
US4945824	A	1990-08-07	US4945824
EP0374637	A1	1990-06-27	EP-374637
DE3842206	A1	1990-06-21	DE3842206

Abstract

(EP0374637)

An adapter having an elastic body with a first inlet for the discharge end of a steam-supplying conduit, a second inlet for the discharge end of an air-supplying pipe, a mixing chamber into which air drawn by pressurized steam which is supplied by the conduit, and an outlet which discharges the mixture of air and steam into a supply of milk to thereby foam the milk so that foamed milk can be used as a topping for regular coffee or espresso coffee. The discharge end of the pipe and/or the

discharge end of the conduit is held in the respective inlet exclusively by friction to facilitate ready separation of the body of the adapter. The intake end of the air-supplying pipe carries an elastic cap with one or more channels which supply atmospheric air into the pipe when the conduit supplies pressurized steam. The cap is removed prior to cleaning of the pipe and of the body of the adapter if the body is cleaned jointly with the pipe.

(From US4945824 A)

Inventors

BORGMANN, MICHAEL, DIPL.-ING.

Latest standardized assignees - inventors removed

ROBERT KRUPS

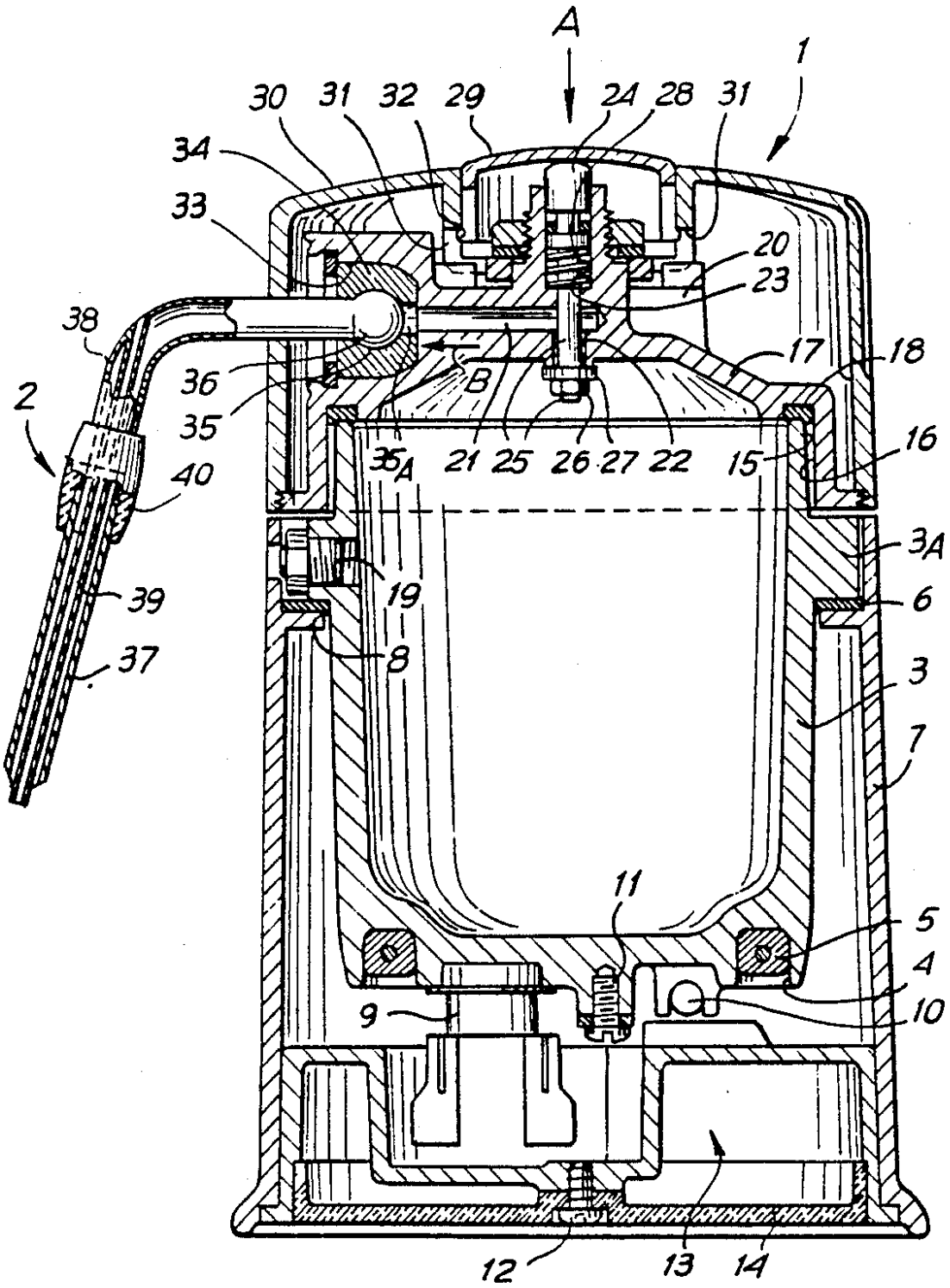
Family 104/200 - FAMPAT - ©Questel

Title

(US5017759)

Steam producing machine with improved delivery nozzle especially for heating beverages and rising foam therein

Images



Publication data including kind & date

US5017759	A	1991-05-21	US5017759
JPH01318061	A	1989-12-22	JP01318061

Abstract

(US5017759)

Steam producing machine with a delivery nozzle, especially for heating beverages and rising foam therein characterized in that it includes a water boiler with relevant sealing lid, to the bottom of which boiler a heating electrical resistance is combined and which is provided at its top with an outlet for the steam intercepted by a manually operated valve to which a delivery nozzle is fixed, which is made up of a first tubular element which, in the outlet part, has a second tubular element coaxially mounted therein having its ends communicating with the atmosphere.

Inventors

BALDACCI LAPO

Latest standardized assignees - inventors removed

BIMAK 50040 SETTIMELLO DI CALENZANO FIRENZE ITALY VIA BALDANZESE NO 35

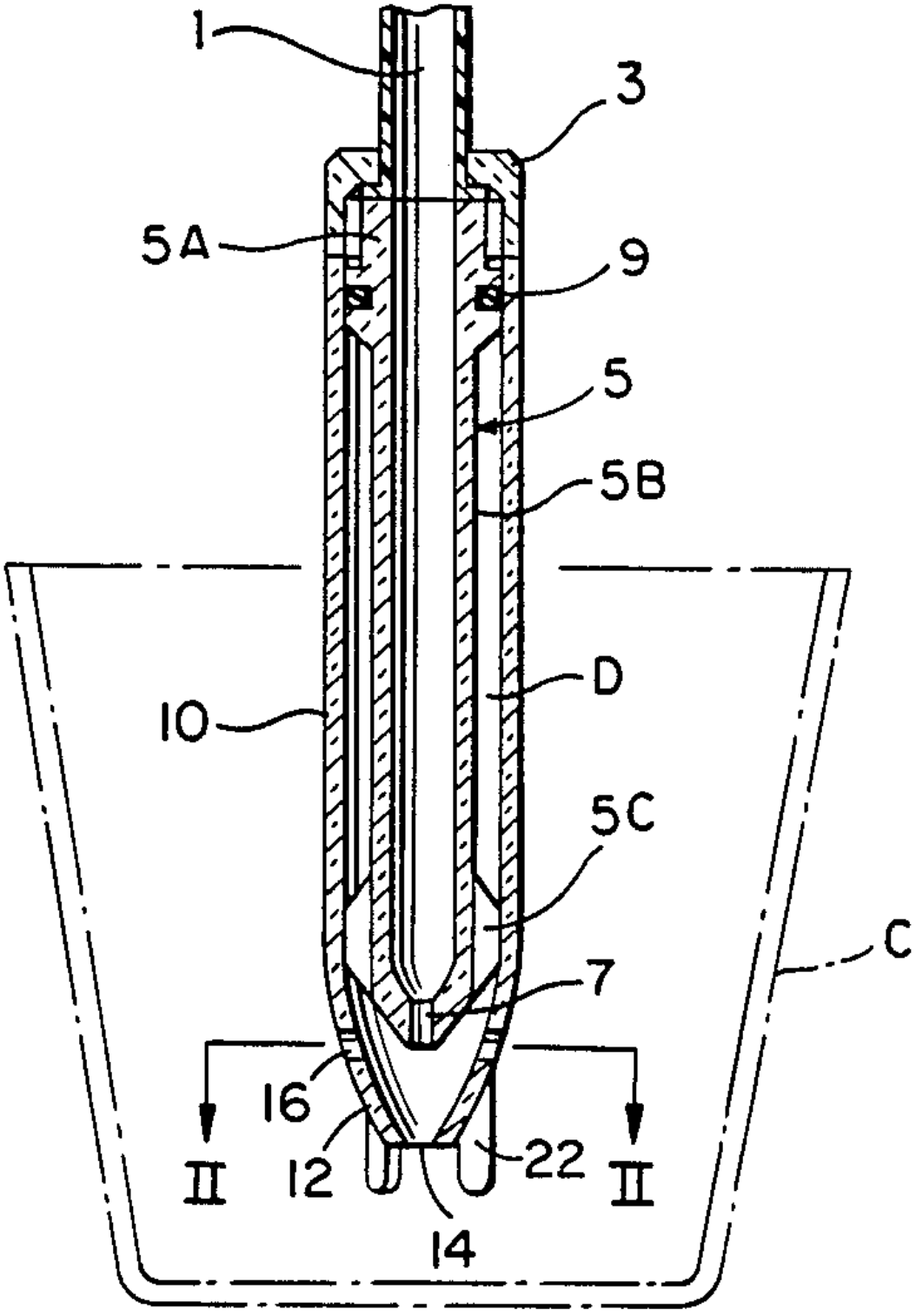
Family 105/200 - FAMPAT - ©Questel

Title

(US4735133)

Milk heating and emulsifying device especially for the preparation of the hot drink known as "cappuccino"

Images



Publication data including kind & date

DE3538041 C2 1994-01-20 DE3538041

IT1198946	B	1988-12-21	IT1198946
CH665762	A5	1988-06-15	CH-665762
US4735133	A	1988-04-05	US4735133
DE3538041	A1	1986-04-30	DE3538041
DE8530296	U1	1986-04-10	DE8530296
IT8409521	D0	1984-10-26	IT8409521

Abstract

(US4735133)

A device for heating and emulsifying milk, especially to prepare a white coffee drink known as "cappuccino" with the assistance of a steam jet, which has a vacuum chamber surrounding a nozzle and formed with an emulsion discharge port, a passageway for admitting sucked-in air, and at least one passageway for the milk which enters the chamber on account of the negative pressure prevailing therein, thereby milk, air, and steam are mixed together in said chamber and then made to flow out through said discharge port.

Inventors

PAOLETTI LUCIANO

Latest standardized assignees - inventors removed

FULMINE

JPMORGAN CHASE BANK

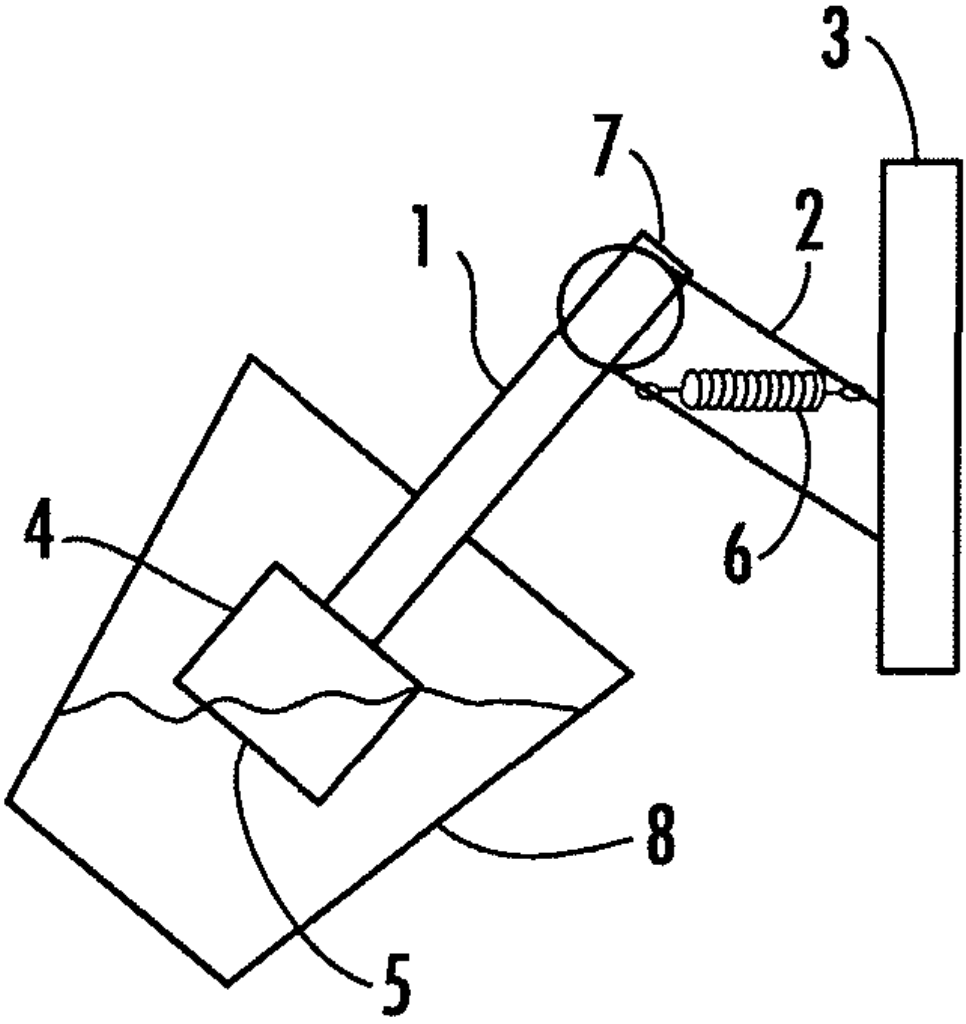
Family 106/200 - FAMPAT - ©Questel

Title

(EP2229850)

Device for foaming liquid food in a container

Images



Publication data including kind & date

JP5697352	B2	2015-02-20	JP5697352
EP2229850	B1	2013-05-01	EP2229850
US8403306	B2	2013-03-26	US8403306
JP2010221028	A	2010-10-07	JP2010221028
DE102009013938	A1	2010-09-23	DE102009013938
US20100237517	A1	2010-09-23	US20100237517
EP2229850	A1	2010-09-22	EP2229850

Abstract

(EP2229850)

The device has a vapor lance (1) connected to a watervapor generator in a liquid-conducting manner. The vapor lance

includes a vapor outlet opening (5) for discharging foaming medium into a container (8). A float (4) cooperates with the vapor lance and/or with a container holder such that an elevation of the outlet opening of the vapor lance is adjustable in the container by the float. The vapor lance is movably arranged at a vapor lance holder (3) with respect to an elevation relative to the lance holder by a parallelogram guide (2) or a linear guide. The light from a LED is conducted via a light guide to an end of the vapor lance.

(From EP2229850 A1)

Inventors

STAHL STEFAN

KEISER CORINNE

GANZ JOCHEN

BURRI ADRIAN

Latest standardized assignees - inventors removed

FRANKE KAFFEEMASCHINEN

Family 107/200 - FAMPAT - ©Questel

Title

(EP-797945)

Filter-coffee machine

Images

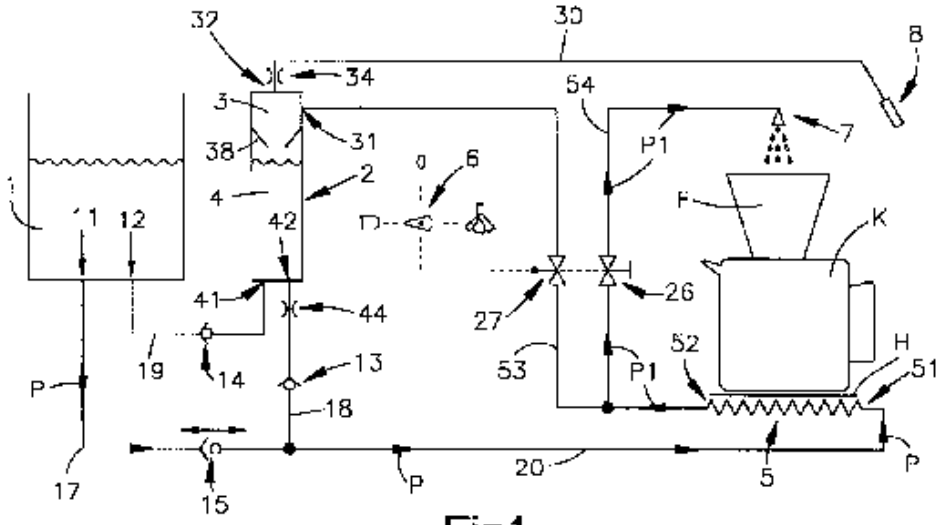


Fig.1

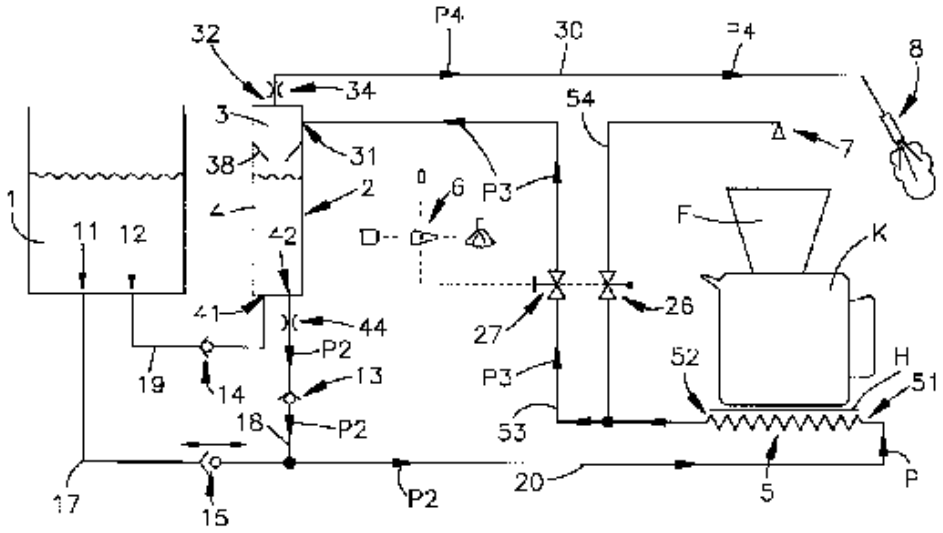


Fig.2

Publication data including kind & date

CN1140219	C	2004-03-03	CN1140219C
KR100402340	B1	2004-01-31	KR100402340
ES2185891	T3	2003-05-01	ES2185891
PT797945	E	2003-01-31	PT-797945
DK0797945	T3	2002-12-09	DK-797945T
DE59707943	D1	2002-09-19	DE59707943
AT222072	T	2002-08-15	ATE222072
EP0797945	B1	2002-08-14	EP-797945
CA2200632	C	2001-06-05	CA2200632
CH690161	A5	2000-05-31	CH-690161

US5842407	A	1998-12-01	US5842407
JPH105136	A	1998-01-13	JP10005136
CN1163737	A	1997-11-05	CN1163737
KR970064519	A	1997-10-13	KR19970064519
EP0797945	A1	1997-10-01	EP-797945
MX9702182	A	1997-09-30	MX9702182
CA2200632	A1	1997-09-25	CA2200632

Abstract

(EP0797945)

The machine has a water container (4) coupled to a through-flow heating element (5), with separation of the water and steam after the latter, to allow the separated steam to be fed to a steam delivery jet (8). The water container is coupled to a fresh water tank (1) via a non-return valve (14) at its base and is coupled to the steam separator (3) at its top, with a throttle (44) between the water tank and the heating element for restricting the water delivery rate when dry steam is required.

Inventors

SCHMED ARTHUR

Latest standardized assignees - inventors removed

FIANARA INTERNATIONAL

SAECO IPR

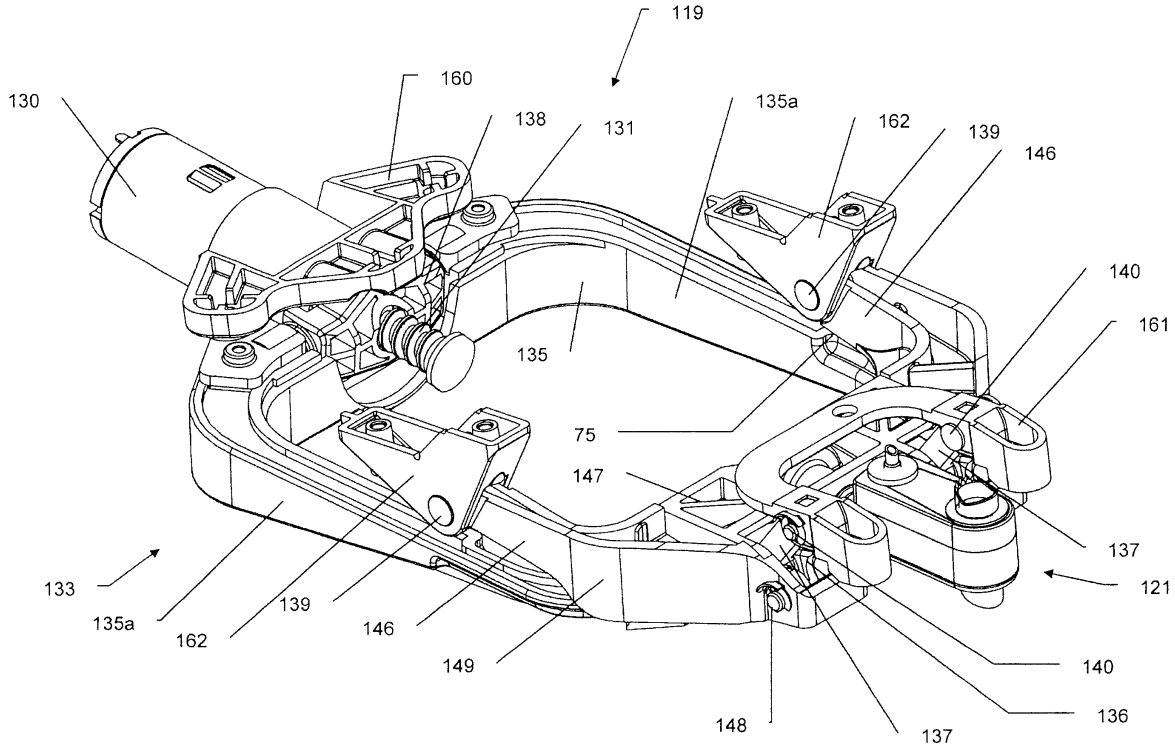
Family 108/200 - FAMPAT - ©Questel

Title

(EP2148818)

Improvements in or relating to beverage preparation machines

Images



Publication data including kind & date

BRPI0811652	A2	2019-04-02	BRPI0811652
BRPI0811652	A1	2017-07-04	BRPI0811652
EP2148818	A4	2017-03-29	EP2148818
US9084509	B2	2015-07-21	US9084509
CA2684941	C	2014-02-11	CA2684941

KR101229666	B1	2013-02-04	KR101229666
JP5148694	B2	2012-12-07	JP5148694
HK1145163	A1	2012-08-03	HK1145163
RU2431440	C2	2011-10-20	RU2431440
CN101754899	B	2011-10-05	CN101754899B
RU2009146994	A	2011-06-27	RU2009146994
JP2010527657	A	2010-08-19	JP2010527657
US20100192779	A1	2010-08-05	US20100192779
CN101754899	A	2010-06-23	CN101754899
KR20100032374	A	2010-03-25	KR20100032374
EP2148818	A1	2010-02-03	EP2148818
CA2684941	A1	2008-11-27	CA2684941
WO2008/144470	A1	2008-11-27	WO2008144470



Abstract

(EP2148818)

The present invention provides a delivery head for a beverage preparation machine comprising a movable first part and a fixed second part, the first part being movable relative to the second part between an open position and a closed position, in the open position the first part being positioned to enable loading of a cartridge into the delivery head, in the closed position the first part and second part being positioned to hold said cartridge in a dispensing position, the delivery head further comprising an inlet piercer and an outlet piercer, the inlet piercer and the outlet piercer being orientated substantially in the same direction and being pivotable relative to the fixed second part between a retracted position and a piercing position.

Inventors

TANNER ROGER GEOFFREY

HALLIDAY ANDREW MICHAEL

Latest standardized assignees - inventors removed

DOUWE EGBERTS

Family 109/200 - FAMPAT - ©Questel

Title

(EP3505024)

A drinks machine with hot water and steam delivery and a method of use

Images

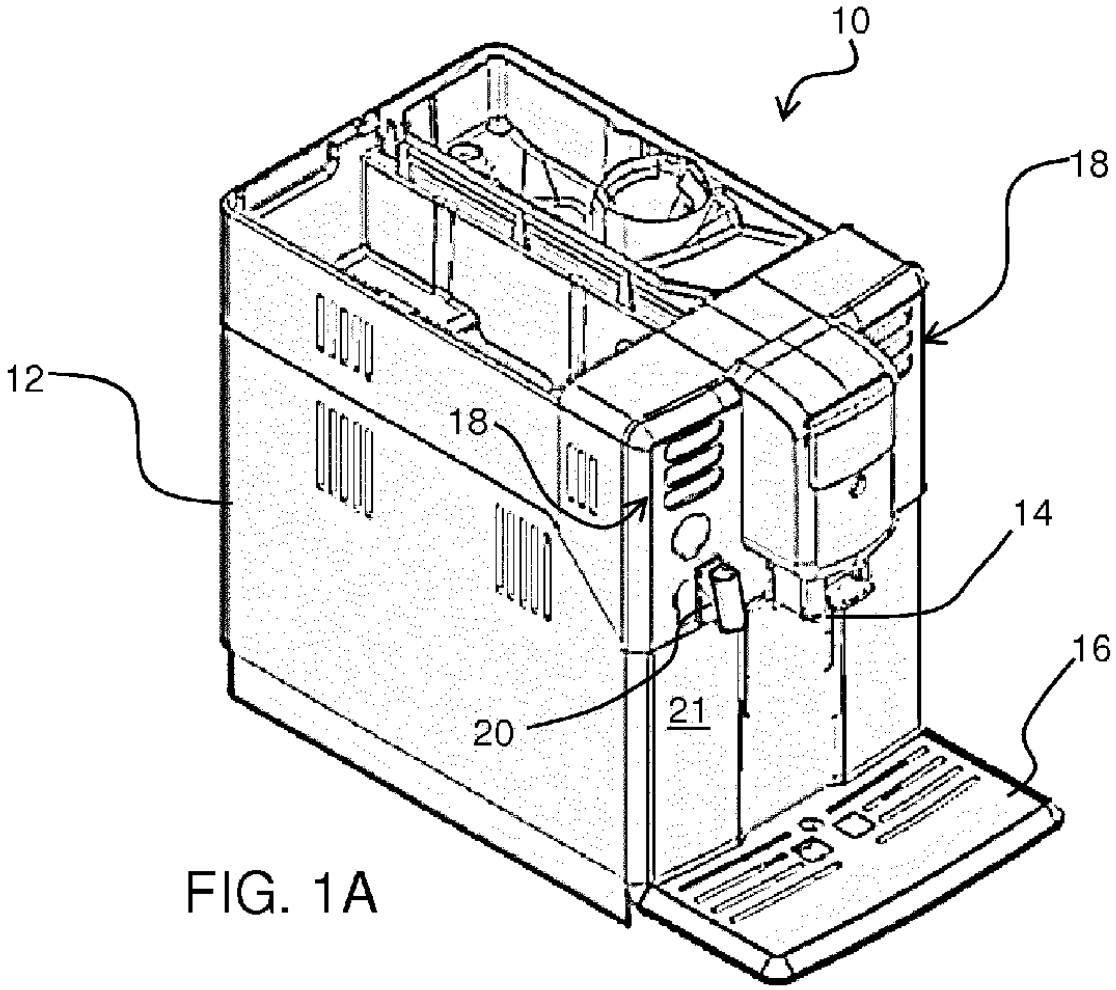


FIG. 1A

Publication data including kind & date

WO2019/129725	A1	2019-07-04	WO2019129725
EP3505024	A1	2019-07-03	EP3505024

Abstract

(EP3505024)

A drinks machine has an output nozzle for delivering hot water or steam, Steam is used by a milk frothing unit whereas hot water is delivered by the output nozzle directly to the exterior of the drinks machine for collection in a drinks vessel. A single nozzle is thus provided for steam or hot water delivery and there is no need for any accessory when delivering hot water. This means that there is reduced cost, fewer components to lose, and simplified cleaning, in that only per-use cleaning of the milk frothing unit is required, not the fixed parts of the appliance associated with the milk frothing unit.

Inventors

ZWART BART-JAN
KOT ALJOSJA
SZABO EDE
FECKO OLIVER
TIBBE TIM GERARD
STAM MÉRIJN
PERAZZOLO VITTORIO

Latest standardized assignees - inventors removed

PHILIPS

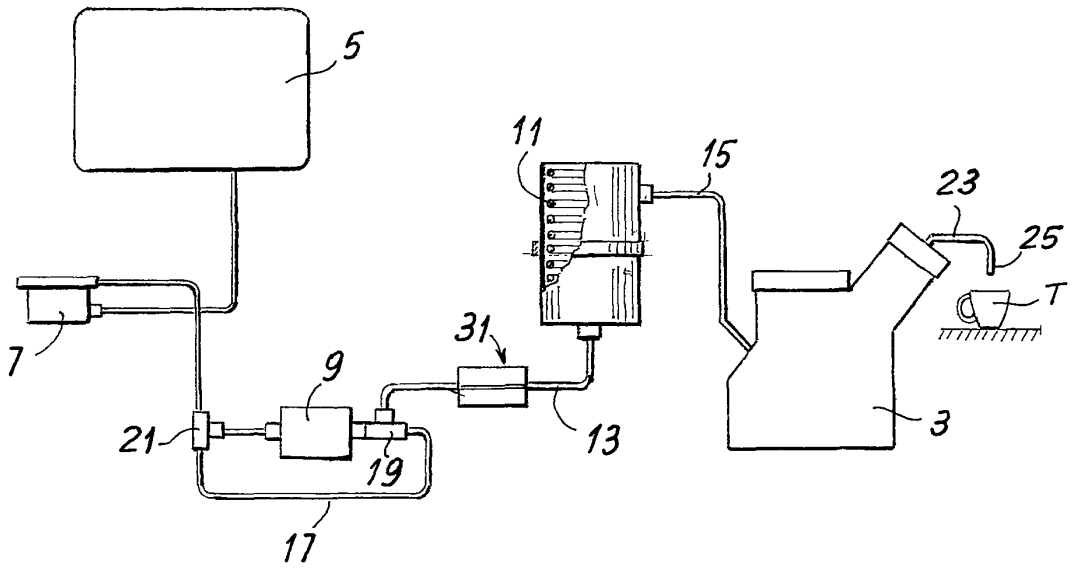
Family 110/200 - FAMPAT - ©Questel

Title

(EP2178425)

Machine for preparing beverages, in particular coffee, with limescale- prevention systems and relative method

Images



Publication data including kind & date

JP5841724	B2	2015-11-20	JP5841724
US9072407	B2	2015-07-07	US9072407
BRPI0815024	A2	2015-03-10	BR200815024
AU2008288072	B2	2014-12-18	AU2008288072
RU2479244	C2	2013-04-20	RU2479244
CN101795608	B	2012-06-13	CN101795608B
US20120121769	A1	2012-05-17	US20120121769
ES2369219	T3	2011-11-28	ES2369219
RU2010108243	A	2011-09-20	RU2010108243
AT515221	T	2011-07-15	ATE515221
EP2178425	B1	2011-07-06	EP2178425
JP2010535617	A	2010-11-25	JP2010535617
IN1244/CHENP/2010	A	2010-09-17	IN2010CN01244
CN101795608	A	2010-08-04	CN101795608
KR20100045504	A	2010-05-03	KR20100045504
EP2178425	A2	2010-04-28	EP2178425
MX2010001540	A	2010-04-07	MX2010001540
TW200934430	A	2009-08-16	TW200934430
WO2009/022365	A3	2009-05-14	WO200922365
AU2008288072	A1	2009-02-19	AU2008288072
WO2009/022365	A2	2009-02-19	WO200922365
ITFI20070187	A1	2009-02-11	IT2007FI0187

Abstract

(EP2178425)

There is described a machine (1) for preparing beverages, in particular coffee, and other foods using hot water, with a hydraulic circuit comprising: a tank (5) for the water; a boiler (11) to heat the water,- a pump (9) to feed the water; a brewing unit (3) that receives water from said boiler (11) and into which a product for preparing the coffee or other food is inserted. The machine (1) has a magnetic field generator (31) for treatment of the water to reduce the formation of calcareous deposits in said hydraulic circuit.

Inventors

CASTELLANI ANDREA
CONTESSA SOCRATE
CIAMBELLI PAOLO
SANNINO DIANA
BRANCACCIO ELVIROSA

Latest standardized assignees - inventors removed

PHILIPS ELECTRONICS

Family 111/200 - FAMPAT - ©Questel

Title

(EP-395866)

Appliance for brewing coffee or tea

Images

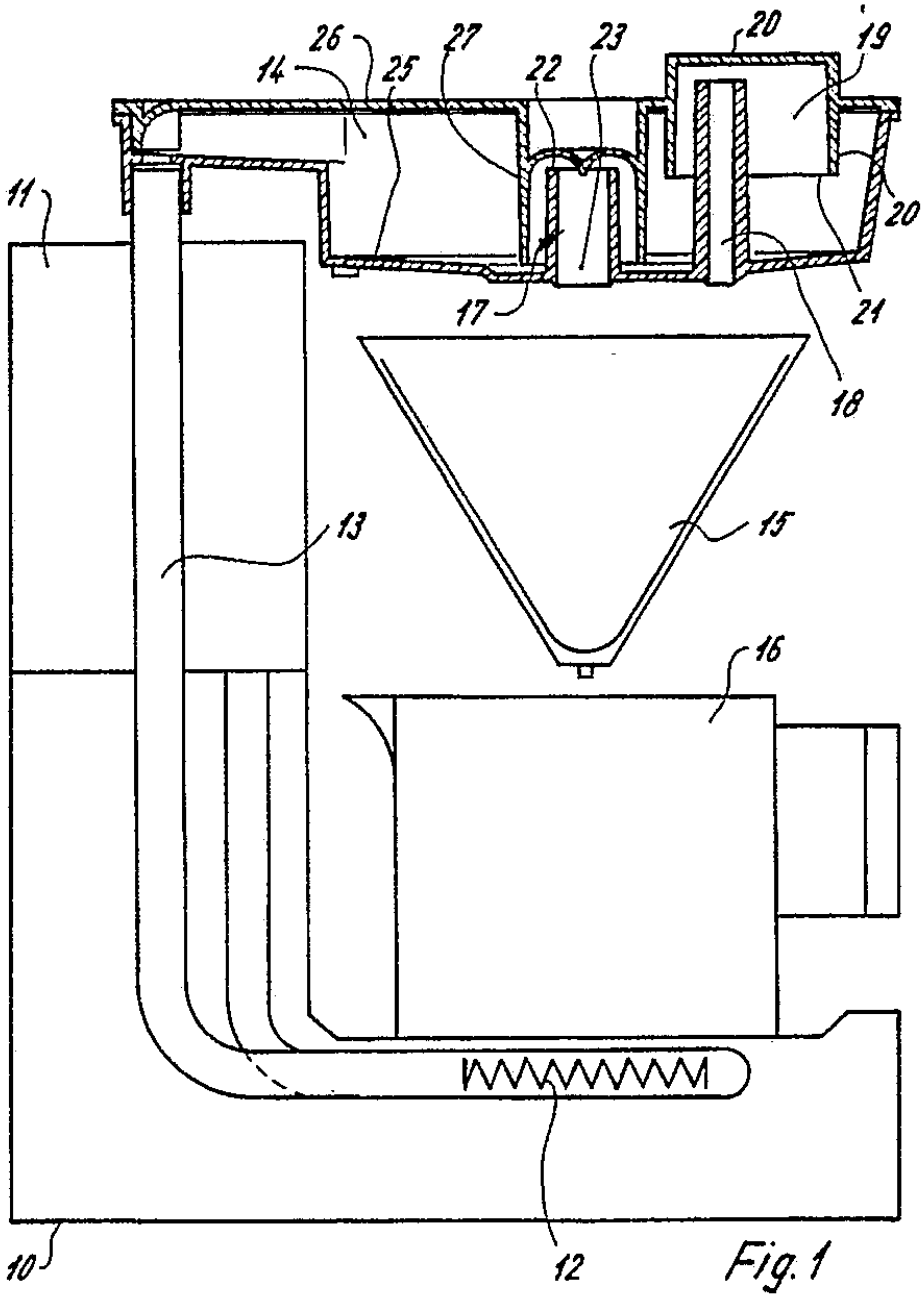


Fig. 1

Publication data including kind & date

CA2015958	C	1995-08-22	CA2015958
AR244531	A1	1993-11-30	AR-244531
ES2040524	T3	1993-10-16	ES2040524
JP1788699	C	1993-09-10	JP1788699
NO172724	C	1993-09-01	NO-172724
FI88865	C	1993-07-26	FI--88865
DE59001535	D1	1993-07-01	DE59001535
DK0395866	T3	1993-06-21	DK-395866T
AT89702	T	1993-06-15	ATE089702
EP0395866	B1	1993-05-26	EP-395866
NO172724	B	1993-05-24	NO-172724
BRPI9002043	A1	1993-04-27	BR9002043
FI88865	B	1993-04-15	FI--88865
JPH0478287	B2	1992-12-10	JP92078287
AU624708	B2	1992-06-18	AU-624708
US5070773	A	1991-12-10	US5070773
BR9002043	A	1991-08-13	BR9002043
EP0395866	A3	1991-08-07	EP-395866
JPH0390113	A	1991-04-16	JP03090113
AU5474590	A	1990-11-08	AU9054745
EP0395866	A2	1990-11-07	EP-395866
NO901901	L	1990-11-05	NO-901901
CA2015958	A1	1990-11-03	CA2015958
DE4003916	C1	1990-10-31	DE4003916
FI902191	A0	1990-05-02	FI9002191
NO901901	D0	1990-04-27	NO9001901

Abstract

(EP0395866)

An appliance (10) for brewing coffee or tea is described, which appliance has between a riser pipe (13) and a filter vessel (15) an intermediate container (14) which can be emptied periodically by a syphon (17), is provided with a venting pipe (18) and is otherwise closed on all sides. <??>The venting pipe (18) opens out into a chamber (19) which is arranged outside the syphon (17) and is bounded by walls (20). This chamber (19) is open only towards the underside. The chamber (19), arranged in the interior of the intermediate container (14), ends with its lower boundary plane (21) below the overflow edge (22) of the syphon (17). <??>The venting of the interior of the intermediate container (14) is thus ended after reaching the water level at the lower boundary plane (21) of the chamber (19), such that subsequently a very rapid pressure increase occurs in the interior of the intermediate container (14), which results in an extremely good and highly effective filling of the syphon (17).

Inventors

SALOMON, THOMAS

SLOMKA, HANS-JUERGEN

Latest standardized assignees - inventors removed

MELITTA

Family 112/200 - FAMPAT - ©Questel

Title

(EP-270141)

Compact automatic coffee-making machine more particularly for domestic use

Images

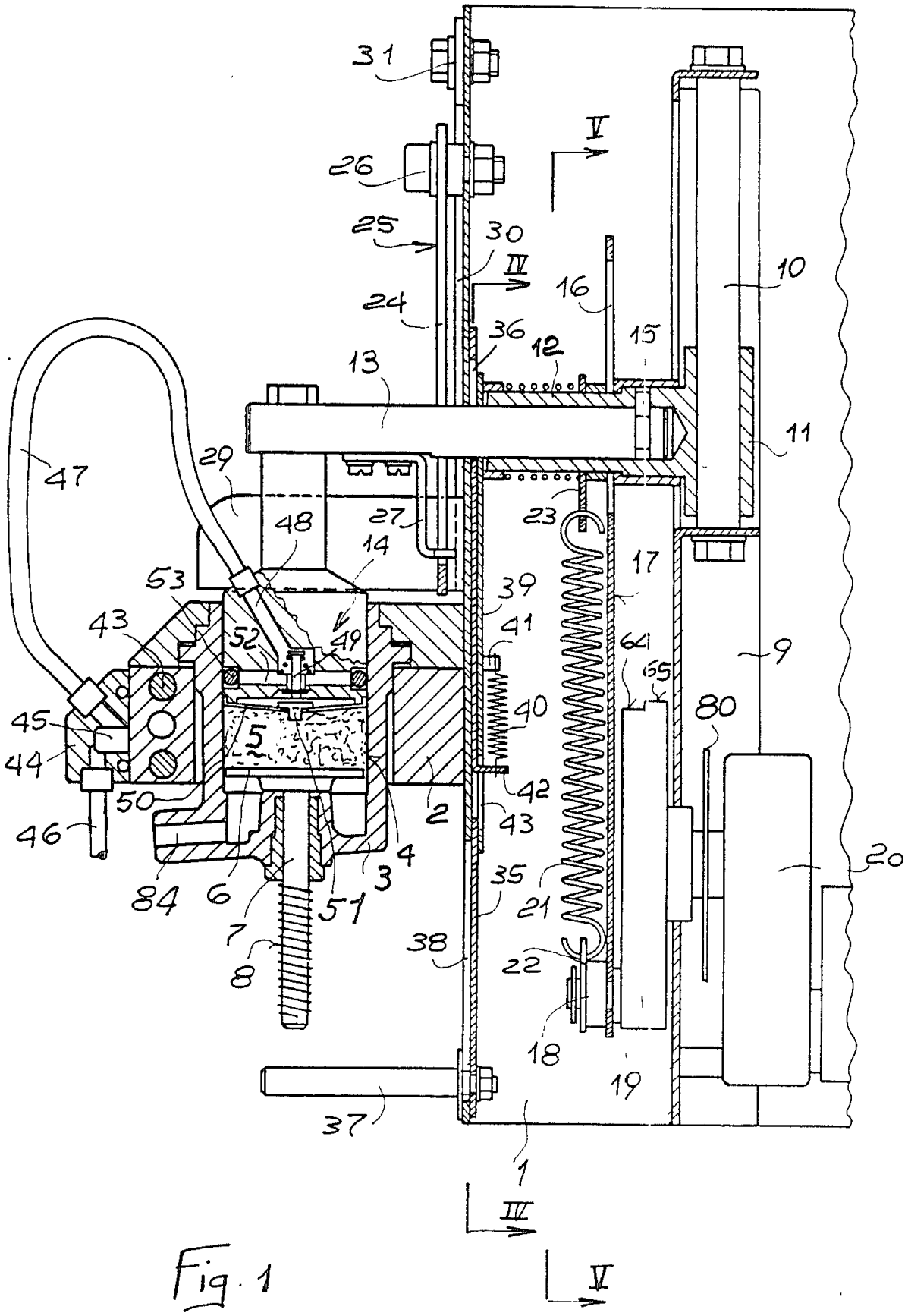


Fig. 1

Publication data including kind & date

ES2022308	B3	1991-12-01	ES2022308
DE3770777	D1	1991-07-18	DE3770777
AT64283	T	1991-06-15	ATE064283
EP0270141	B1	1991-06-12	EP-270141
JPH01170430	A	1989-07-05	JP01170430
US4796521	A	1989-01-10	US4796521

IT1198064	B	1988-12-21	IT1198064
EP0270141	A1	1988-06-08	EP-270141
IT8622197	D0	1986-10-31	IT8622197

Abstract

(EP0270141)

The automatic coffee-making machine according to the invention comprises a filter carrier (3) having on its base a movable filter (6) for filtering the coffee infusion, there being introducible into the carrier in sealing-tight manner a piston (14) having means for delivering pressurized hot water supplied by a metering unit, the piston being operated for its movements of descent, introduction into the filter carrier element, compression of the coffee powder, raising and lateral rotation by a rod (17) having resilient piston-pulling means (21) and connected to a rotating disc (19) actuated by a geared motor (20), means (10-13) being provided to support and guide the piston in its movement, the latter means providing an irreversible transmission of the movement from the motor to the piston, automatic means (25, 30 32, 33) being provided to expel the spent coffee powder and to supply fresh powder to the filter carrier.

Inventors

GROSSI, LUCIO

Latest standardized assignees - inventors removed

IDEA SPOL S R O

Family 113/200 - FAMPAT - ©Questel

Title

(EP3534762)

Filtration system

Images

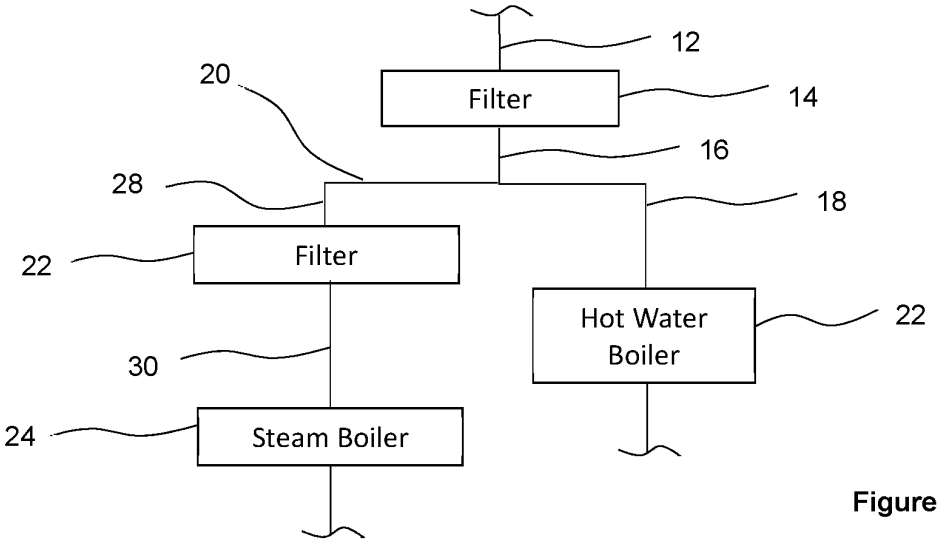


Figure 1

Publication data including kind & date

EP3534762	A1	2019-09-11	EP3534762
CN110099592	A	2019-08-06	CN110099592
GB2558533	A	2018-07-18	GB2558533
WO2018/083498	A1	2018-05-11	WO201883498

Abstract

(EP3534762)

A filtration system for use in a beverage dispensing machine comprising a first and second boiler is described. The filtration system comprises: an input fluid line for connecting the system to a water source; a first filter module connected to the input fluid line; an output fluid conduit connected to the first filter and configured to have a first fluid output line for directing fluid

to the first boiler and a second fluid output line for directing fluid to the second boiler; and a second filter module, located in the in the second fluid output line; wherein the second filter module is capable of removing ions not removeable by the first filter module.

Inventors

TAYLOR NATHAN

Latest standardized assignees - inventors removed

COSTA EXPRESS

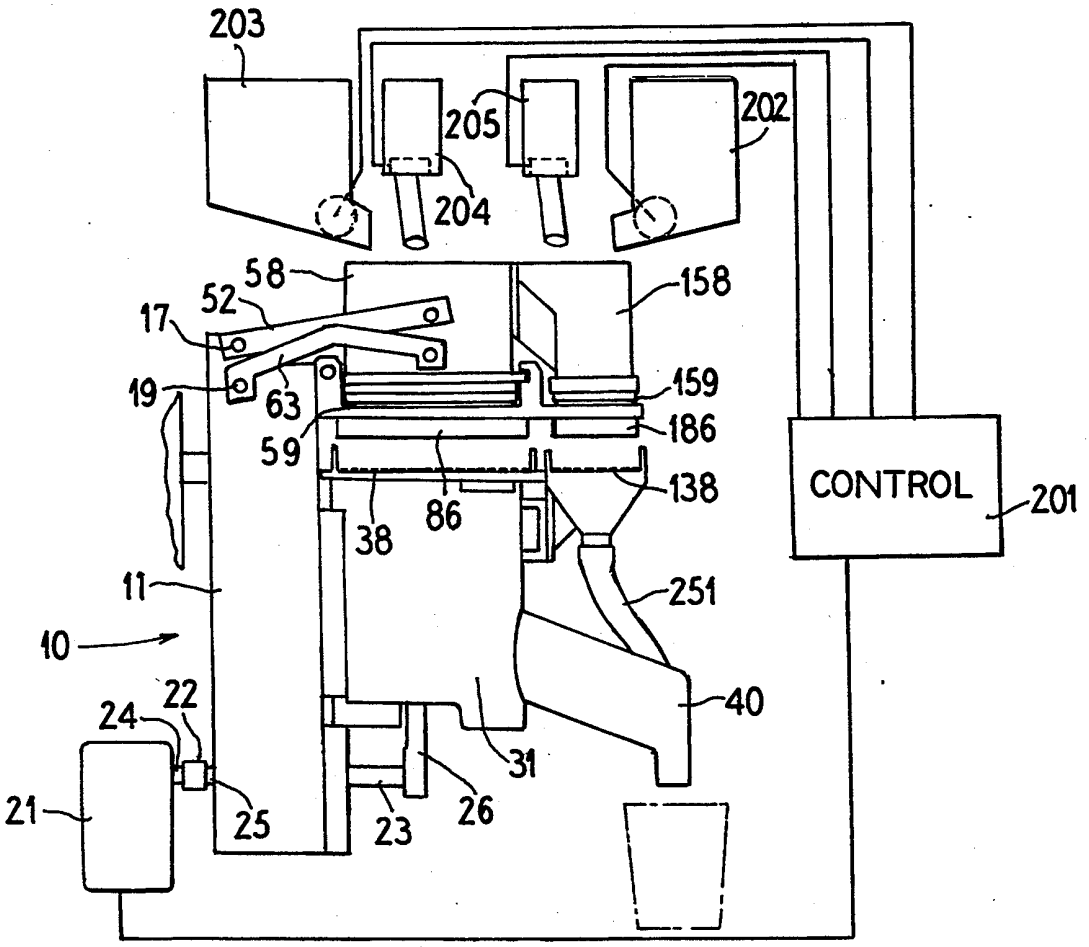
Family 114/200 - FAMPAT - ©Questel

Title

(EP-678266)

Tea brewer

Images



Publication data including kind & date

CA2141369	C	1998-11-24	CA2141369
DK0678266	T3	1998-05-04	DK-678266T
GR3025555	T3	1998-03-31	GR3025555
DE69500712	T2	1998-03-26	DE69500712
ES2109771	T3	1998-01-16	ES2109771
JP2680790	B2	1997-11-19	JP2680790
RU2094009	C1	1997-10-27	RU2094009
DE69500712	D1	1997-10-23	DE69500712
AT158156	T	1997-10-15	ATE158156
EP0678266	B1	1997-09-17	EP-678266

RU95106608	A	1997-02-20	RU95106608
RU95106608	A1	1997-02-20	RU95106608
JP08038359	A	1996-02-13	JP08038359
EP0678266	A1	1995-10-25	EP-678266
CA2141369	A1	1995-10-23	CA2141369
US5408918	A	1995-04-25	US5408918

Abstract

(EP0678266)

The tea brewer comprises an upper tea brewing chamber attached to the upper coffee brewing chamber and movable with it and a lower tea brewing chamber attached to the lower coffee brewing chamber. There is a tea leaf filter attached to the top of the lower tea brewing chamber. It also has a tea leaf wiper attached to the coffee wiper and movable with it for removing tea leaves from the tea leaf filter.

Inventors

KING BRIAN L

KING PAUL A

Latest standardized assignees - inventors removed

VKI TECHNOLOGIES

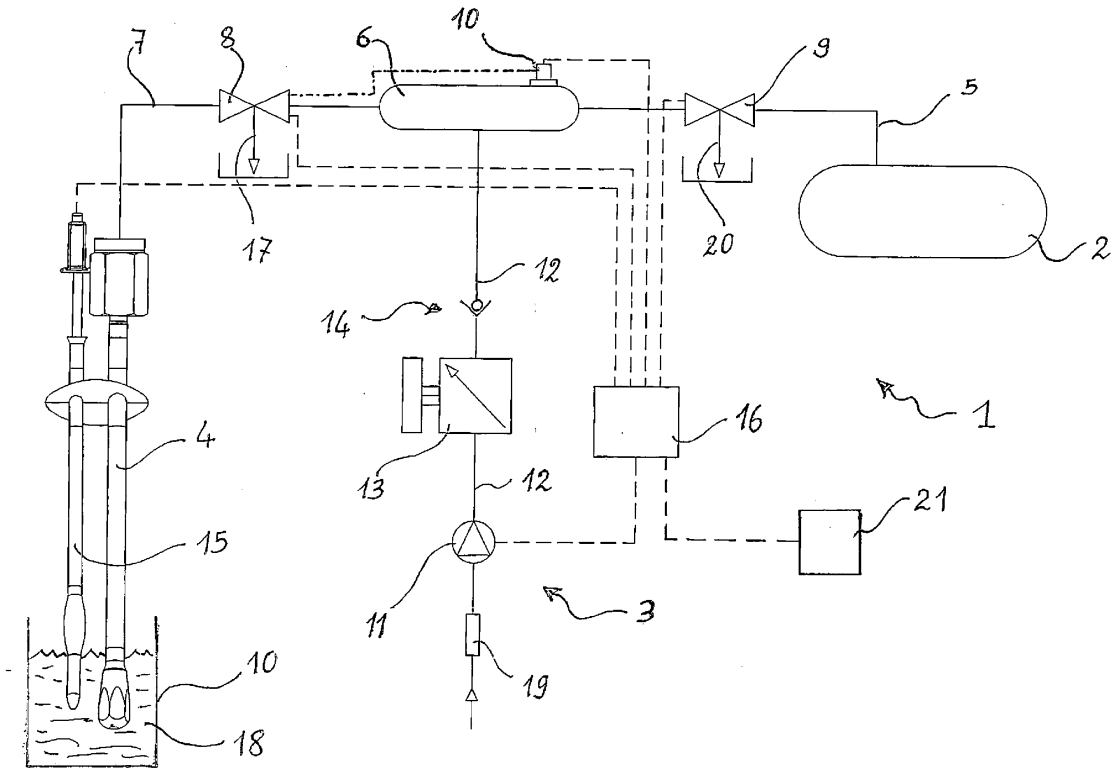
Family 115/200 - FAMPAT - ©Questel

Title

(EP3313245)

Device for preparing frothy milk

Images



Publication data including kind & date

US20180160846	A1	2018-06-14	US20180160846
EP3313245	A1	2018-05-02	EP3313245
CN107105931	A	2017-08-29	CN107105931
AU2016281901	A1	2017-06-29	AU2016281901
WO2016/207850	A1	2016-12-29	WO2016207850

Abstract

(EP3313245)

A frothing device (1) to froth milk, comprising a boiler (2) for producing vapor; a pump (11) for producing pressurized air; air- vapor delivering means (4) to deliver air and vapor to the milk (18); the boiler (2) and the air pump (11) are connected to a tank (6) for separately feeding vapor and air to the mixing tank (6); the tank is connected to the mentioned air- vapor delivering means (4) to deliver air and vapor to the beverage.

Inventors

CEOTTO BEPPINO
ROSSETTO GIOVANNI

Latest standardized assignees - inventors removed

CMA MACCH PER CAFFÈ

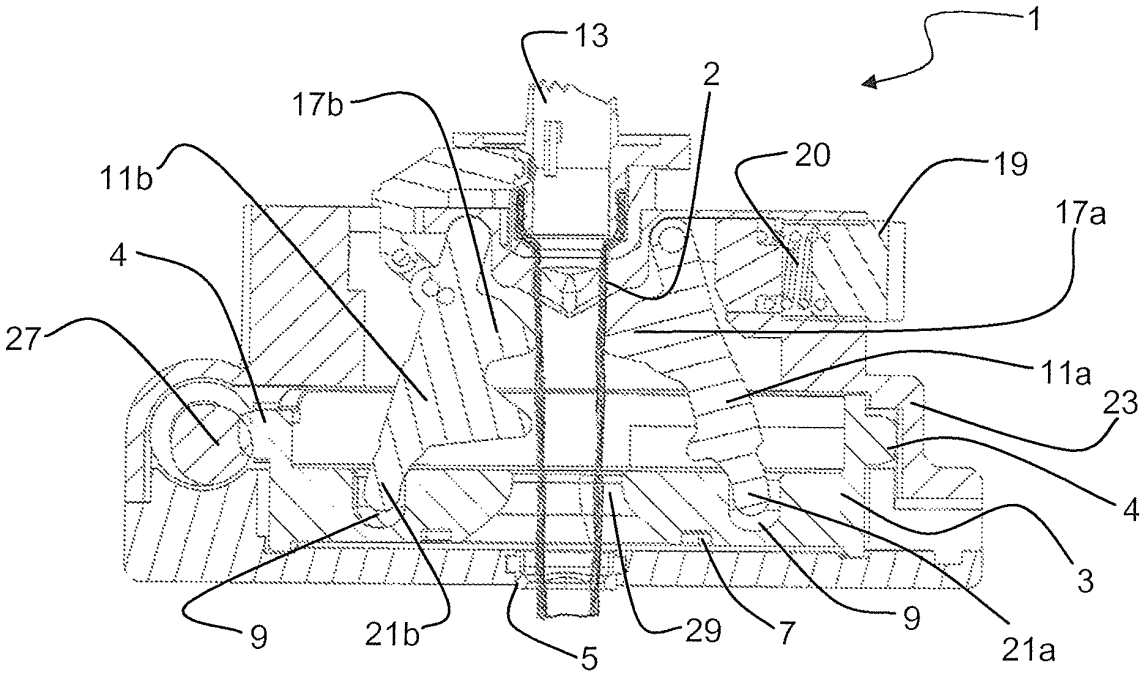
Family 116/200 - FAMPAT - ©Questel

Title

(EP2424412)

Automatic coffee maker and tube valve

Images



A' - A

Publication data including kind & date

EP2424412	B1	2017-09-13	EP2424412
CA2760090	C	2016-06-07	CA2760090
BRPI1013687	A2	2016-04-26	BR201013687
US9044117	B2	2015-06-02	US9044117
JP5602835	B2	2014-08-29	JP5602835
CN102421339	B	2014-06-11	CN102421339B
RU2499539	C2	2013-11-27	RU2499539
KR101311628	B1	2013-09-26	KR101311628
RU2011145078	A	2013-07-27	RU2011145078
UA100480	C2	2012-12-25	UA-100480
BRPI1013687	A1	2012-12-04	BR201013687
JP2012524644	A	2012-10-18	JP2012524644

US20120199012	A1	2012-08-09	US20120199012
CN102421339	A	2012-04-18	CN102421339
EP2424412	A2	2012-03-07	EP2424412
KR20120006519	A	2012-01-18	KR20120006519
WO2010/124962	A3	2011-07-14	WO2010124962
CA2760090	A1	2010-11-04	CA2760090
WO2010/124962	A2	2010-11-04	WO2010124962
DE102009002657	A1	2010-10-28	DE102009002657

Abstract

(EP2424412)

The invention relates to an automatic coffee maker comprising a tube valve (1) which as a passage tube for liquids and/or gases and a control device for controlling a throughput through the passage tube. The invention further relates to an analog tube valve (1). The tube valve (1) is improved by a direction changing device (5, 6, 7) which changes an orientation of the passage tube during operation.

Inventors

DABURGER JOSEF

DOMMANN ULRIKE

STEFFL MICHAEL

Latest standardized assignees - inventors removed

DOUWE EGBERTS

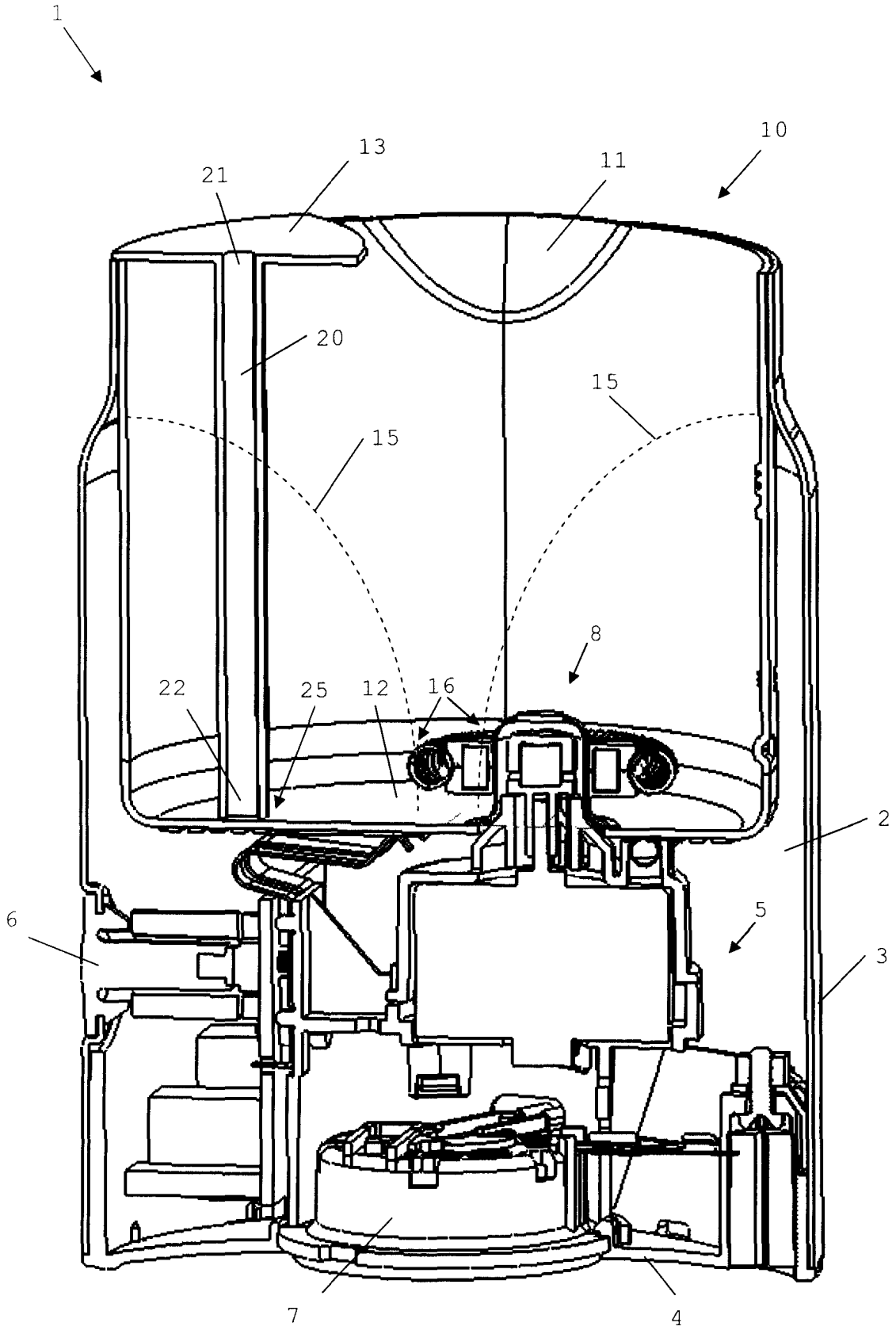
Family 117/200 - FAMPAT - ©Questel

Title

(EP2341805)

Appliance for fine steam-frothing a milk-based liquid

Images



Publication data including kind & date

US8875618	B2	2014-11-04	US8875618
CN102137611	B	2013-11-13	CN102137611B
HK1158912	A1	2013-04-05	HK1158912
PL2341805	T3	2012-11-30	PL2341805
ES2387734	T3	2012-10-01	ES2387734
PT2341805	E	2012-08-22	PT2341805
DK2341805	T3	2012-07-23	DK2341805T

EP2341805	B1	2012-06-20	EP2341805
CN102137611	A	2011-07-27	CN102137611
EP2341805	A1	2011-07-13	EP2341805
US20110162534	A1	2011-07-07	US20110162534
WO2010/023313	A1	2010-03-04	WO201023313

Abstract

(EP2341805)

An appliance (1) for heating and frothing a milk-containing liquid, comprising a steam supply arrangement (20) having an outlet (22) with an opening (25) for delivering into the milk-containing liquid bubbles of steam. The outlet (22) is associated with a valve means (12,20) for adjusting the bubble size of said steam bubbles delivered into said liquid from the steam outlet opening (25).

Inventors

BOUSSEMART CHRISTOPHE S

PERRIN ALEXA

Latest standardized assignees - inventors removed

NESTLE

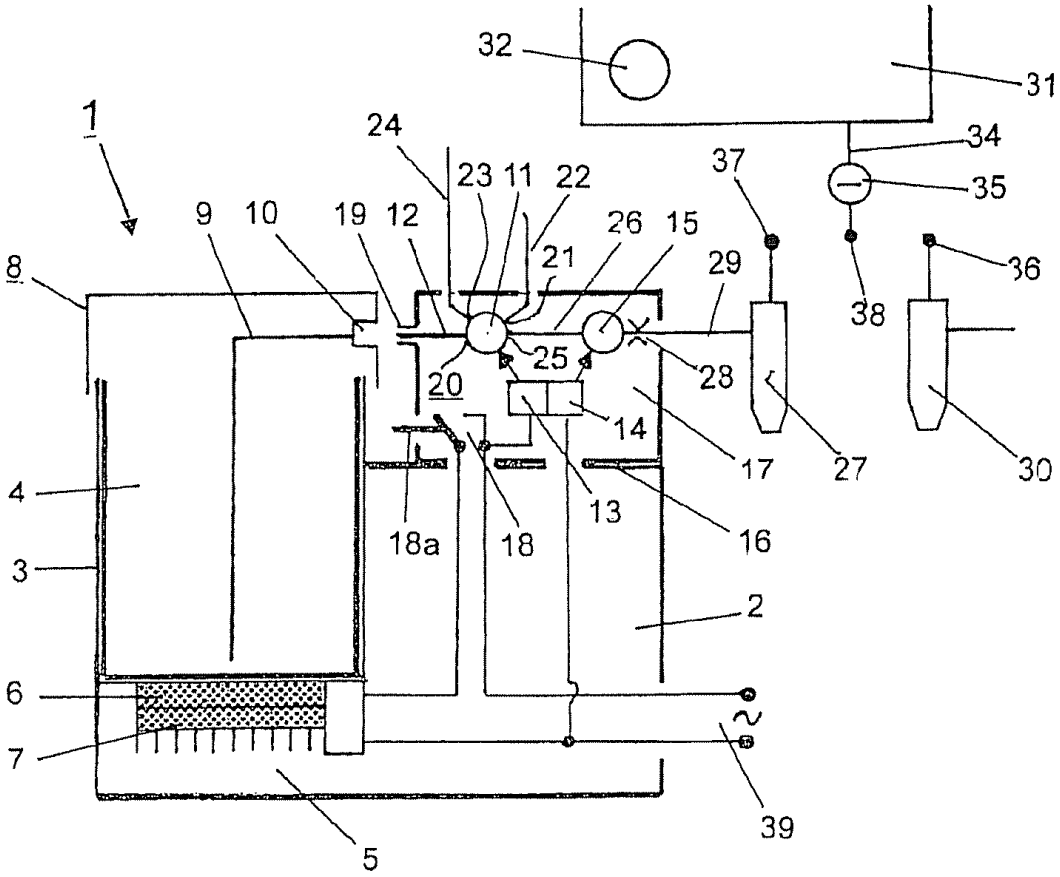
Family 118/200 - FAMPAT - ©Questel

Title

(EP2897507)

Device for preparing hot or cold milk froth

Images



Publication data including kind & date

US9924829	B2	2018-03-27	US9924829

CN104661572	B	2017-06-20	CN104661572B
EP2897507	B1	2016-12-14	EP2897507
HK1208322	A1	2016-03-04	HK1208322
US20150223633	A1	2015-08-13	US20150223633
EP2897507	A2	2015-07-29	EP2897507
CN104661572	A	2015-05-27	CN104661572
WO2014/044407	A3	2014-06-05	WO201444407
WO2014/044407	A2	2014-03-27	WO201444407
DE202012009074	U1	2013-01-03	DE202012009074

Abstract

(EP2897507)

The invention relates to a device for preparing milk froth that can be optionally hot or cold, or for dispensing optionally hot or cold milk (1), said device comprising a milk container (4) that can be removed from the device, a milk inlet which connects the milk container (4) to a cold froth device via a milk valve section, said cold froth device being activatable by means of an air valve section, and comprising an outlet line (15) that is located downstream of the cold froth device and comprises an outlet (16). The milk container (4) can be inserted into the device (1) in a guided manner and the base (4a) of said container is equipped with a milk snap-in valve (17). A complementary receiving section (17a) for the milk snap-in valve is fixed in the device (1) and is formed as a milk inlet directly on the milk valve section. When the milk container (4) is inserted, the milk snap-in valve (17) engages in the complementary receiving section (17a) for the snap-in valve and is locked therein.

Inventors

STUTZ DIETER

Latest standardized assignees - inventors removed

EUGSTER FRISMAG

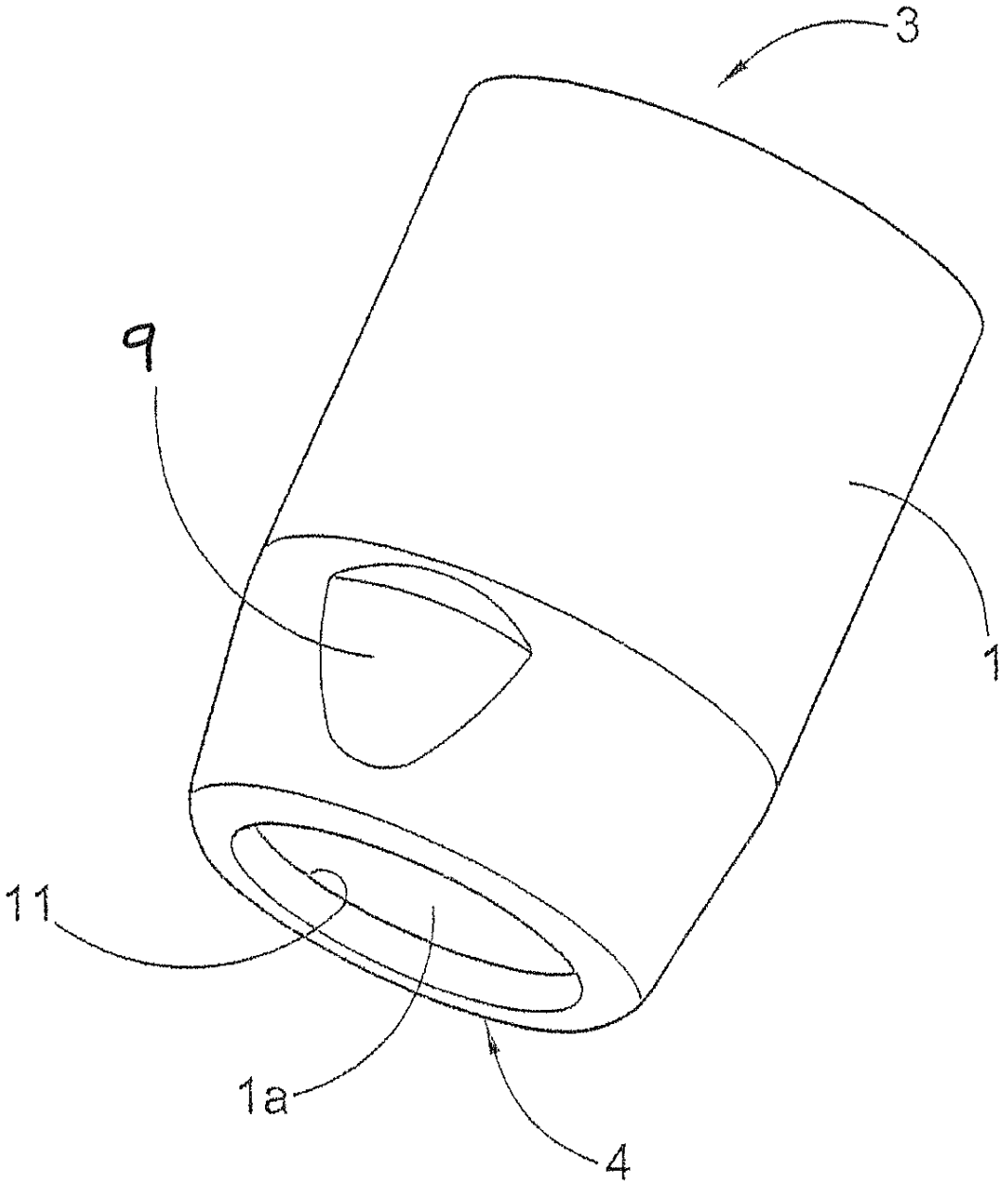
Family 119/200 - FAMPAT - ©Questel

Title

(EP2446792)

Replaceable end-piece for a vapour nozzle of a coffee machine

Images



Publication data including kind & date

JP5886592	B2	2016-02-19	JP5886592
ES2530260	T3	2015-02-27	ES2530260
PT2446792	E	2015-02-18	PT2446792
EP2446792	B1	2014-12-17	EP2446792
US8826802	B2	2014-09-09	US8826802
JP2012096030	A	2012-05-24	JP2012096030
US20120104038	A1	2012-05-03	US20120104038
EP2446792	A1	2012-05-02	EP2446792

Abstract

(EP2446792)

A replaceable end-piece which can be connected to the dispensing end (5), which is provided with connection means (7), of the vapour nozzle (6) of a coffee machine for heating and frothing a given quantity of milk contained in a jug, into which the nozzle (6) is introduced, comprising a tubular sleeve (1) provided with two ends (3, 4), the first end (3) of which is open and is provided with reversible connection means (8) corresponding to those (7) of the dispensing end (5) of the nozzle. The sleeve (1) defines at the inner side thereof a recess (1a) which extends in accordance with a longitudinal axis (X-X). The second end (4) of the sleeve (1) is also open and includes a body (2) inserted therein, the body (2) being provided with

a plurality of pipes (12) connecting the recess to the external environment of the end-piece facing the second end (4) of the sleeve (1). The body (2) also comprises a space (13) for receiving a temperature sensor (14, 15) which can detect the temperature reached by the milk in the region of the second end (4) of the sleeve (1).

Inventors

QUARATESI GUIDO

Latest standardized assignees - inventors removed

GRUPPO CIMBALI

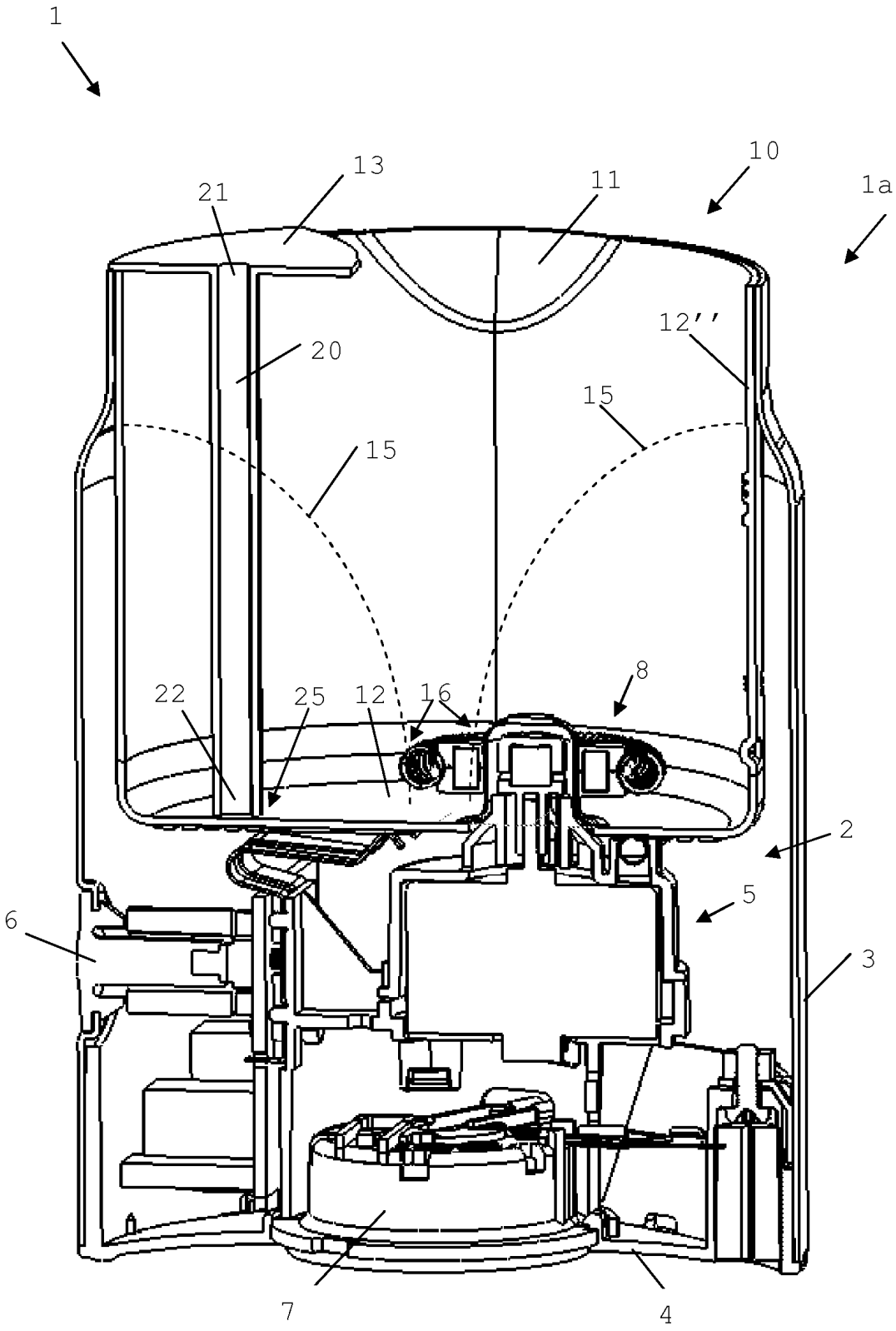
Family 120/200 - FAMPAT - ©Questel

Title

(EP2341806)

Appliance for conditioning a milk-based liquid

Images



Publication data including kind & date

CN102137610	B	2014-09-17	CN102137610B
US8733234	B2	2014-05-27	US8733234
HK1158913	A1	2013-10-11	HK1158913
ES2402221	T3	2013-04-29	ES2402221
DK2341806	T3	2013-03-04	DK2341806T
PT2341806	E	2013-02-27	PT2341806
EP2341806	B1	2013-01-02	EP2341806
CN102137610	A	2011-07-27	CN102137610
EP2341806			

	A1	2011-07-13	EP2341806
US20110146500	A1	2011-06-23	US20110146500
WO2010/023312	A1	2010-03-04	WO201023312

Abstract

(EP2341806)

An appliance (1) is arranged for frothing a body of a milk-containing liquid (17) contained in a frothing tank (10). Such appliance comprises: an air incorporation device (5,8,51) that is arranged to dip or to be immersed in such body of liquid during frothing for incorporating air thereinto; and a steam supply arrangement (20, 21, 22, 23, 23', 23", 24, 25, 26, 27, 28,29) having a steam outlet (22,25) that is arranged to be immersed in such body of liquid during frothing for incorporating steam thereinto. The steam outlet and the air incorporation device are arranged to be at spaced apart locations in such body of liquid during frothing so as to form steam bubbles at the steam outlet separately from air bubbles that are being formed by the air incorporation device.

Inventors

BOUSSEMART CHRISTOPHE S

PERRIN ALEXA

Latest standardized assignees - inventors removed

NESTLE

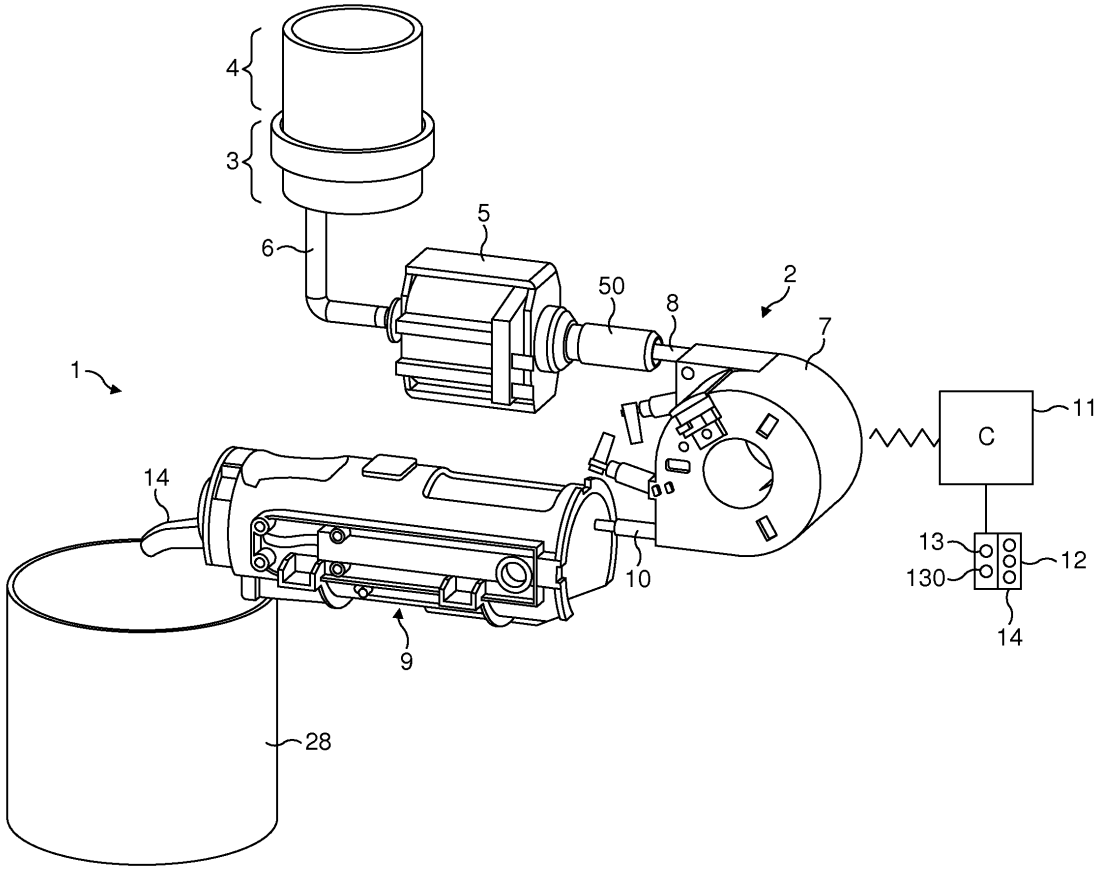
Family 121/200 - FAMPAT - ©Questel

Title

(EP2265158)

Beverage preparation device with in-line scale removal system and descaling method using such system

Images



Publication data including kind & date

BRPI0911114	A2	2015-10-06	BR200911114

US20140000657	A1	2014-01-02	US20140000657
US8585827	B2	2013-11-19	US8585827
CN101980641	B	2013-09-11	CN101980641B
US8337635	B2	2012-12-25	US8337635
RU2010145160	A	2012-05-20	RU2010145160
PL2265158	T3	2012-02-29	PL2265158
IN6833/DELNP/2010	A	2012-02-24	IN2010DN06833
HK1150014	A1	2012-01-27	HK1150014
ES2371736	T3	2012-01-09	ES2371736
AT525944	T	2011-10-15	ATE525944
EP2265158	B1	2011-09-28	EP2265158
US20110192423	A1	2011-08-11	US20110192423
JP2011516133	A	2011-05-26	JP2011516133
CN101980641	A	2011-02-23	CN101980641
US20110030732	A1	2011-02-10	US20110030732
EP2265158	A1	2010-12-29	EP2265158
AU2009235593	A1	2009-10-15	AU2009235593
CA2717738	A1	2009-10-15	CA2717738
WO2009/124786	A1	2009-10-15	WO2009124786

Abstract

(EP2265158)

Beverage preparation machine comprising : a fluid circuit (2) comprising a water reservoir (4), a water pump (5), a heating means (7), a beverage producing module (9), which are fluidically connected for circulating water from the reservoir to the beverage producing module, wherein an in-linedescaling system (3) is provided in the fluid circuit(2)comprising a dedicated compartment (15) intended for receiving a predetermined dose of a water soluble/dispersible descaling agent (19).The invention also relates to a method for automatically descaling and rinsing the fluid circuit (2).

Inventors

BOUSSEMART CHRISTOPHE S

Latest standardized assignees - inventors removed

NESTEC

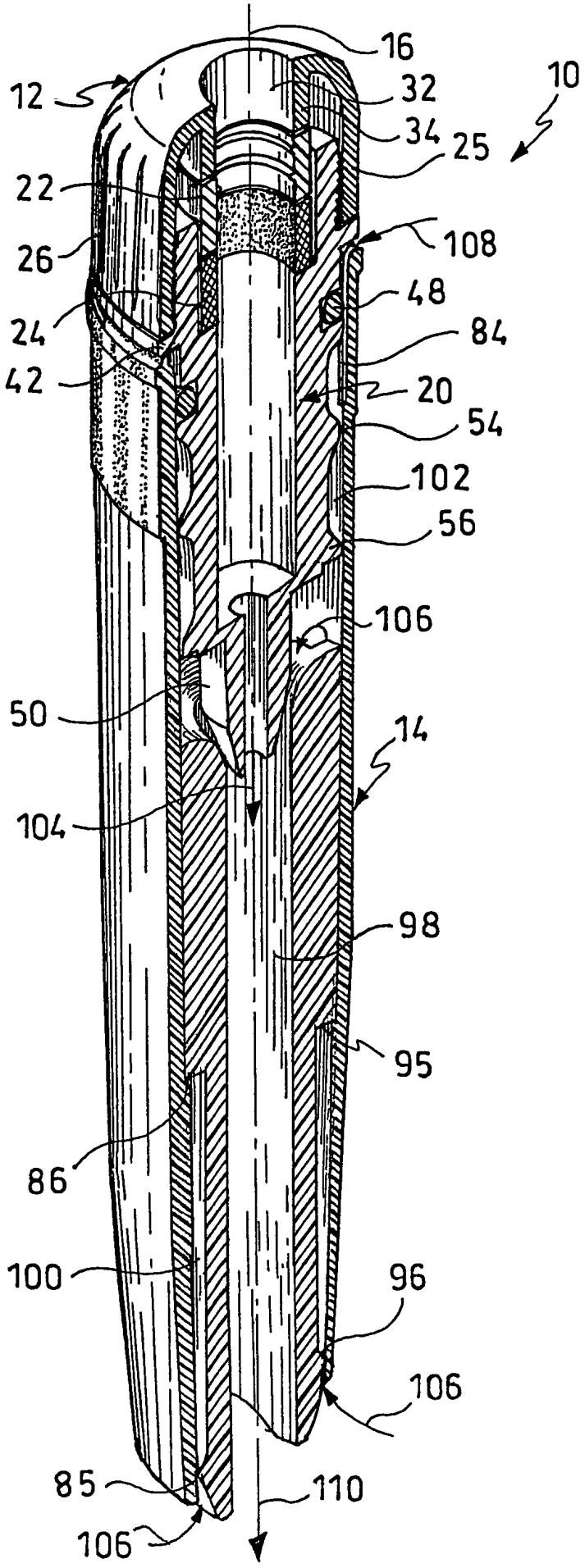
Family 122/200 - FAMPAT - ©Questel

Title

(EP1404201)

Device for heating and emulsifying liquids, in particular drinks

Images


16
12
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Publication data including kind & date

ES2263555	T3	2006-12-16	ES2263555
DE60119588	T2	2006-10-26	DE60119588
PT1404201	E	2006-08-31	PT1404201
AT325568	T	2006-06-15	ATE325568
DE60119588	D1	2006-06-14	DE60119588
EP1404201	B1	2006-05-10	EP1404201
CN1235534	C	2006-01-11	CN1235534C
US6968776	B2	2005-11-29	US6968776
US20040231528	A1	2004-11-25	US20040231528
CN1529559	A	2004-09-15	CN1529559
EP1404201	A1	2004-04-07	EP1404201
WO03/013325	A1	2003-02-20	WO200313325

Abstract

(EP1404201)

A device (10) for heating and emulsifying liquids, in particular drinks, which is unusually capable of generating a dense and creamy foam, comprises a steam-emitting member (12) with which a hollow body (14) can be associated. The steam-emitting member (12) comprises a spout (50) positioned along the hollow body (14) at a height such as to be above the level of the liquid to be emulsified. Inserted coaxially inside the hollow body (14) is a duct (88) which defines a first passage (98) and a second passage (100). A region for communication between the first passage (98), the second passage (100) and a third passage (102) for air, which is placed in communication with a groove (84) formed in the inner surface of the hollow body (14), is provided between the steam-emitting member (12) and the duct (88). The steam-emitting member (12) comprises two annular projections (54, 56) provided with sectors which have different transverse dimensions and which are offset relative to one another and define a labyrinthine path.

Inventors

PAOLETTI LUCIANO

Latest standardized assignees - inventors removed

SPIDEM

PHILIPS ELECTRONICS

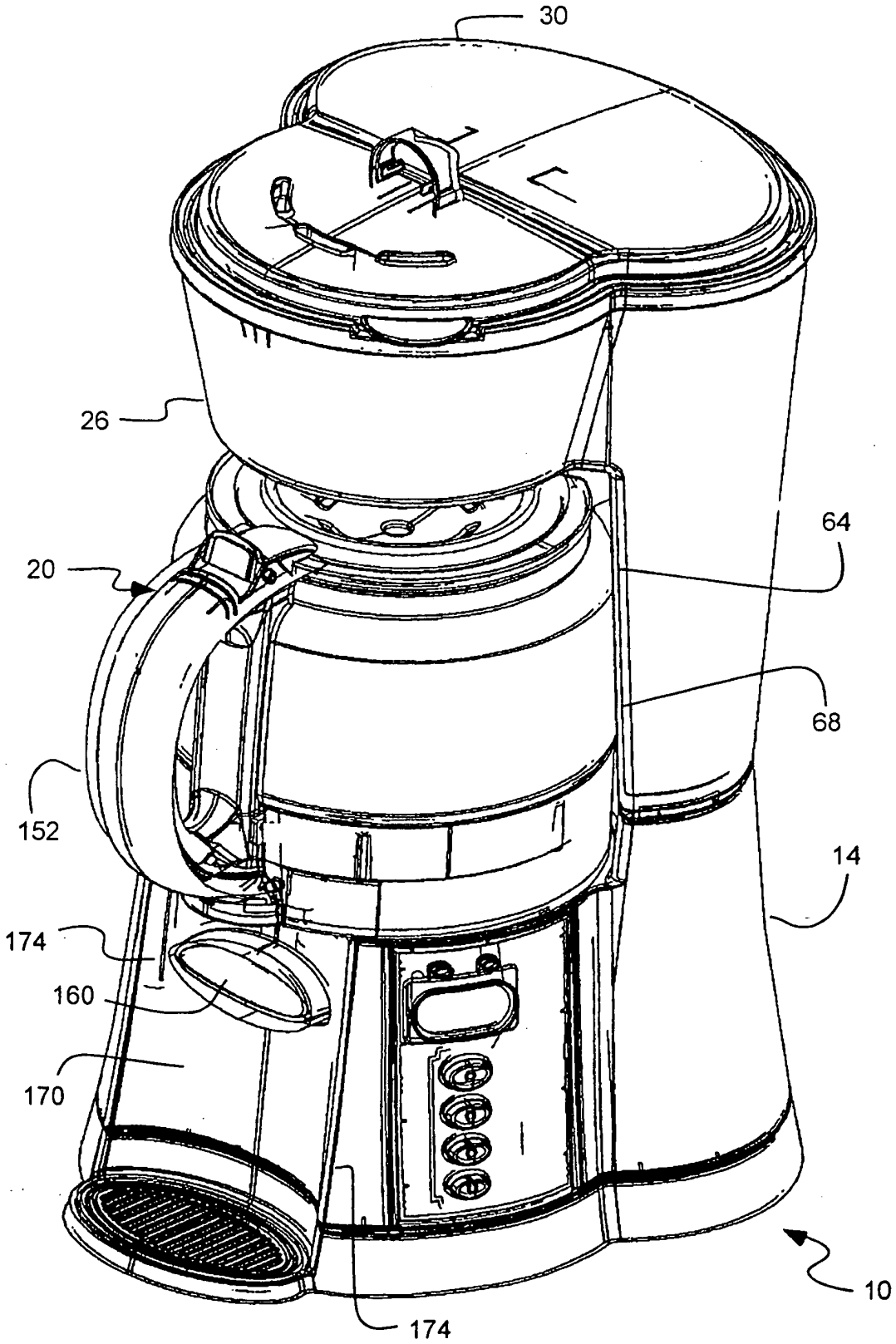
Family 123/200 - FAMPAT - ©Questel

Title

(WO200721691)

Coffee maker with dual use pour and dispensing carafe and method

Images



Publication data including kind & date

US20070169632	A1	2007-07-26	US20070169632
US20070169633	A1	2007-07-26	US20070169633
WO2007/021691	A1	2007-02-22	WO200721691

Abstract

(WO2007/021691)

A dual use pour and dispensing carafe and coffee maker (10) includes a carafe (20), configured to contain a beverage, removably disposable on a base (14). A handle (152) is disposed on a side of the carafe, and an outlet (92) and a valve

(108) are disposed near a bottom of the carafe. Thus, the carafe can be removed from the base by grasping the handle on the side of the carafe and the beverage can be poured from a top of the carafe. The carafe can also be retained on the base and the beverage can be dispensed from the outlet near the bottom of the carafe

Inventors

BEESLEY BRIAN K
BRANDT CLAUDE
HARWARD KELLY
HALES ERIC

Latest standardized assignees - inventors removed

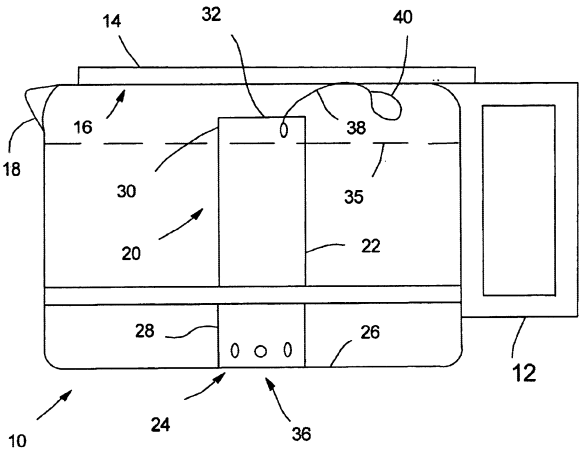
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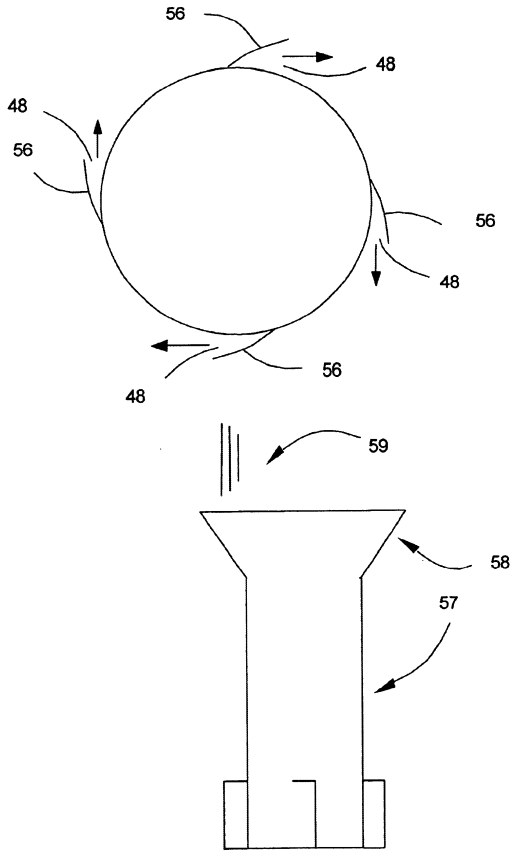
Family 124/200 - FAMPAT - ©Questel

Title

(US6811299)
Hot coffee mixing device for a coffee maker

Images





Publication data including kind & date

US6811299	B2	2004-11-02	US6811299
US20030209152	A1	2003-11-13	US20030209152

Abstract

(US20030209152)

The hot coffee mixing device comprises one embodiment having a hollow cylindrical tube with a bottom end with liquid outlet(s) thereon which rests upon the bottom surface of the carafe when in use. The top end of the device has a liquid inlet which is located in close proximity to the center of the carafe and the lid of the carafe. The liquid inlet and outlet(s) are connected by a channel. Another embodiment of the hot coffee mixing device is suspended from the lid of the coffee carafe and comprises a hollow cylindrical tube having a bottom end with liquid outlet(s) thereon, not resting upon the bottom of the carafe, and the top end of the device has a liquid inlet and means for supporting the device on the lid of the carafe. In yet

another embodiment, the hot coffee mixing device may be either free standing on the bottom of the coffee carafe or suspended from the lid of the coffee carafe or the coffee carafe itself when in use. In any embodiment, a swirling device may be added to the bottom end of the tube to further aid in mixing of the brewing hot coffee liquid and may be an integral part of the liquid outlet(s).

Inventors

COLLIER LINDA ANN

Latest standardized assignees - inventors removed

FANTASTICOFFEE

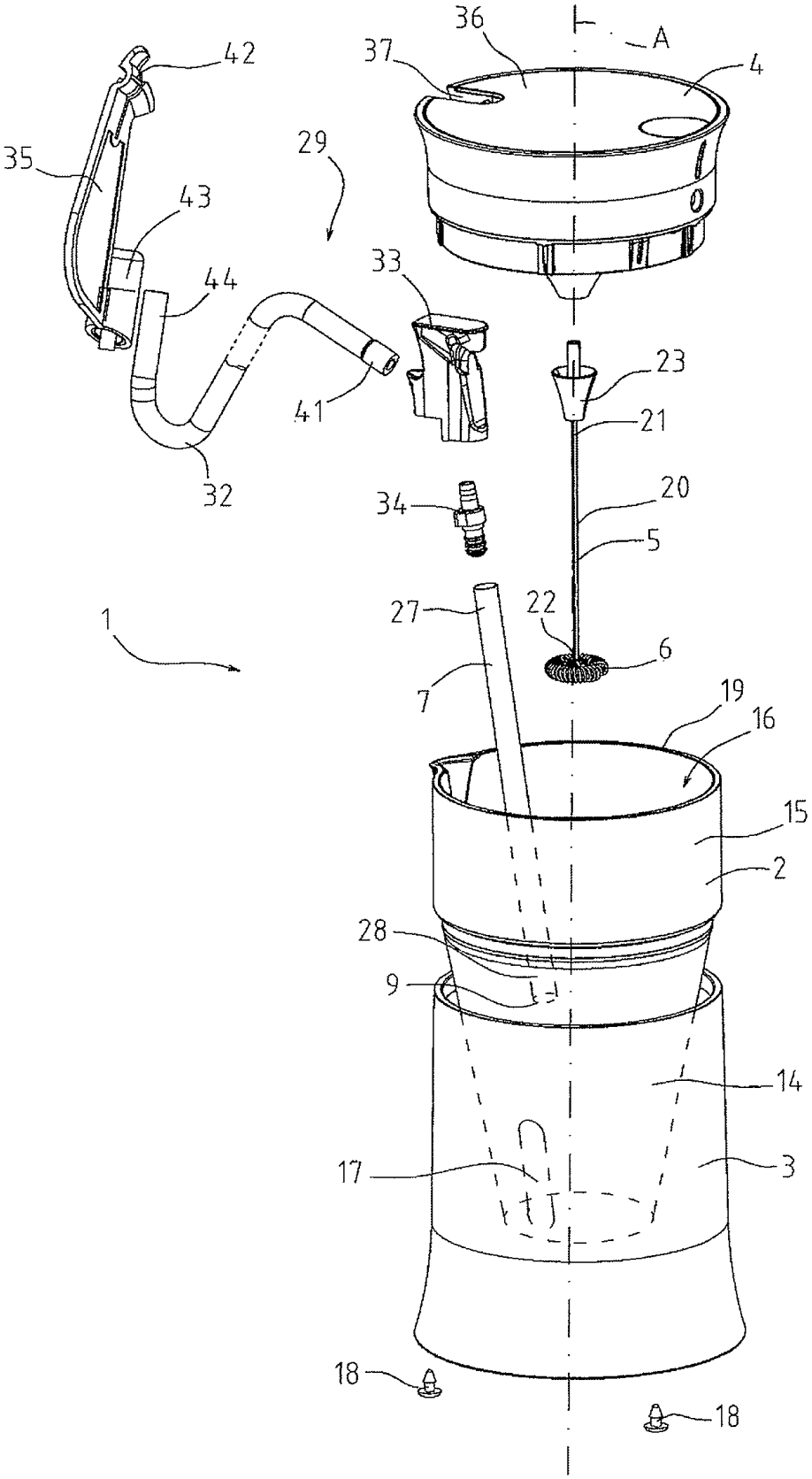
Family 125/200 - FAMPAT - ©Questel

Title

(US9402502)

Hot-beverage-making apparatus, in particular for milk beverages such as cappuccino, chocolate and the like

Images



Publication data including kind & date

US9402502	B2	2016-08-02	US9402502
US20120000372	A1	2012-01-05	US20120000372

Abstract

(US20120000372)

A hot-beverage-making apparatus, in particular for milk beverages such as cappuccino, chocolate and the like, comprising

a container extending along an axis, a lid closing the container, a rotary mechanical stirrer fitted with an impeller, and a steam wand connectable to a steam source and having an end steam outlet. The stirrer and the wand extend, sloping with respect to each other, inside the container, and the end steam outlet of the wand is located above and radially eccentric with respect to the impeller of the stirrer.

Inventors

VANNI ALFREDO

ARCANGELI MARCELLO

VIARIZZO FRANCESCO

Latest standardized assignees - inventors removed

LAVAZZA

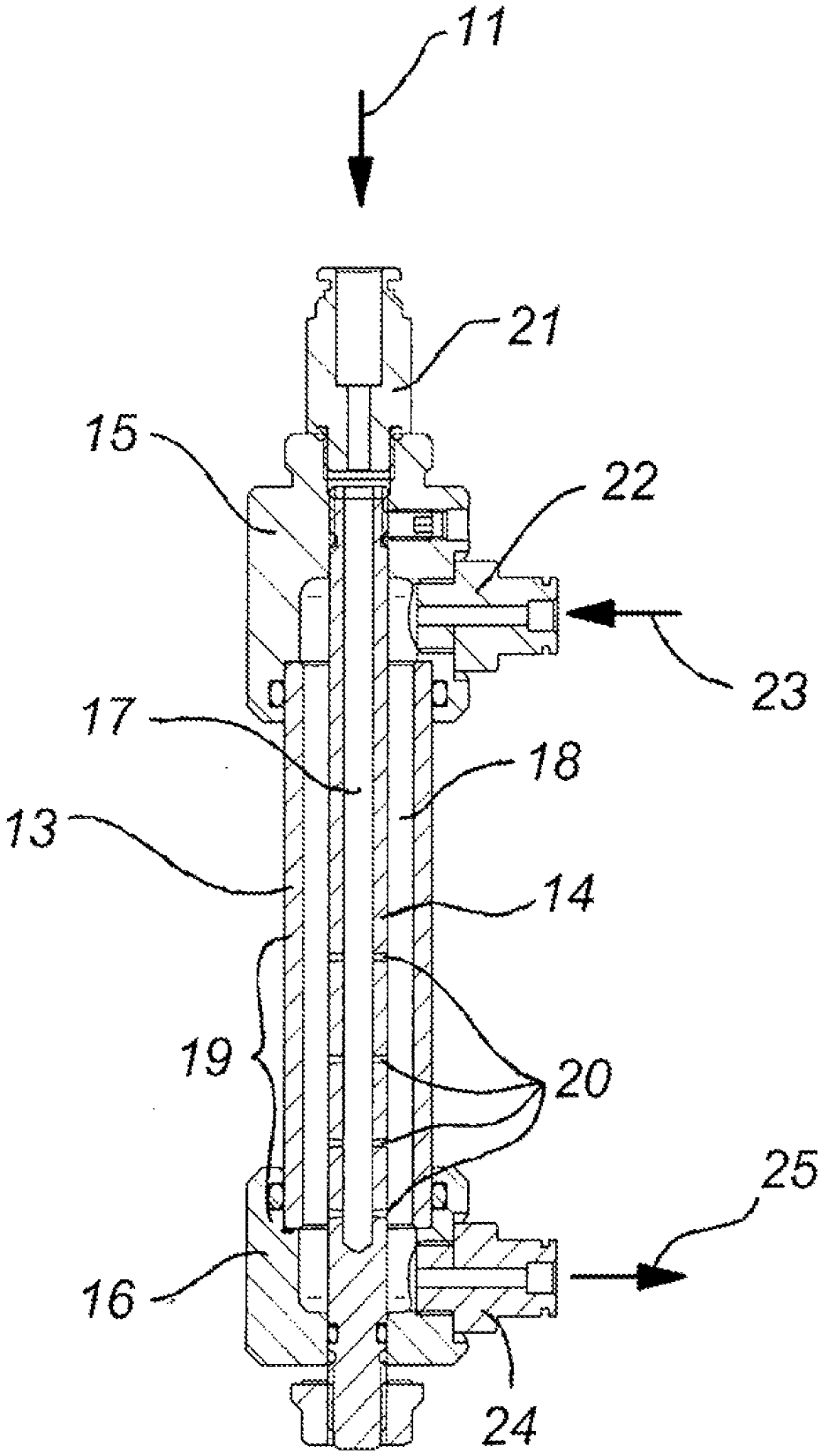
Family 126/200 - FAMPAT - ©Questel

Title

(EP2869742)

System for preparing milk and/or milk foam in drinks machines, and a heater unit

Images



Publication data including kind & date

US10004355	B2	2018-06-26	US10004355
CH705720	B1	2017-08-15	CH-705720
EP2869742	B1	2016-07-13	EP2869742
EP2869742	A1	2015-05-13	EP2869742
US20140299001	A1	2014-10-09	US20140299001
CH705720	A2	2013-05-15	CH-705720
WO2013/064232	A1	2013-05-10	WO201364232

Abstract

(EP2869742)

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 (5) for heating the milk and/or the milk foam with steam. The system contains, according to the invention, a feed (1) for the milk and/or the milk foam and a separate feed (2) for the steam, which is fed directly, as a heat-transfer medium, into the milk and/or the milk foam in the heater unit (5), 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.

Inventors

RIMPL FRANK

Latest standardized assignees - inventors removed

EVERSYS HOLDING

Family 127/200 - FAMPAT - ©Questel

Title

(WO201170365)

Steam generating appliances

Images

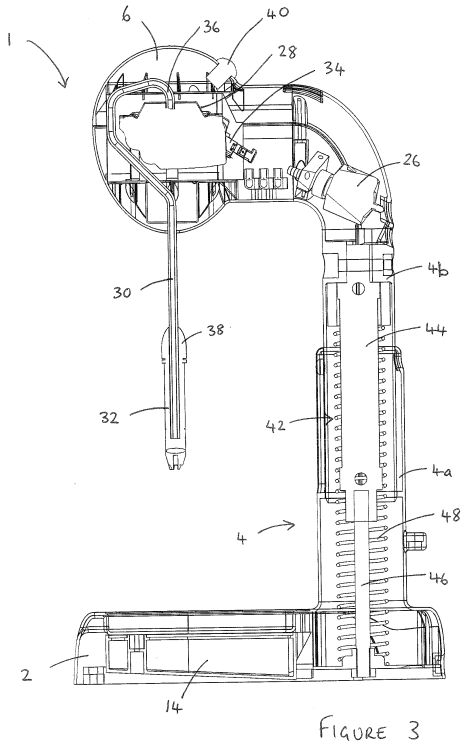


FIGURE 3

Publication data including kind & date

WO2011/070365	A1	2011-06-16	WO201170365
GB2476066	A	2011-06-15	GB2476066
GB0921558	D0	2010-01-27	GB200921558

Abstract

(WO2011/070365)

A steam generating appliance (1) comprises a water boiler (28) comprising a water inlet, an electrically heated evaporation chamber and a steam outlet (36). A pump (26) is arranged to deliver water to the inlet of the boiler (28) on demand. A steam delivery nozzle (32) is connected to the steam outlet (36) of the boiler (28). The steam delivery nozzle (32) extends down from a head portion (6) of the appliance (1). The head portion (6) and steam delivery nozzle (32) may be manually moveable up and down between a range of vertical positions relative to a base portion (2). Vertical movement of the head portion (6) and the steam nozzle (32) may be enabled by a linear actuator (42) provided in the stem (4) of the appliance (1).

Inventors

COLLINSON MARC GIBSON
GIBBS NICHOLAS EDWARD
ASHTON STEVEN ANTHONY

Latest standardized assignees - inventors removed

STRIX

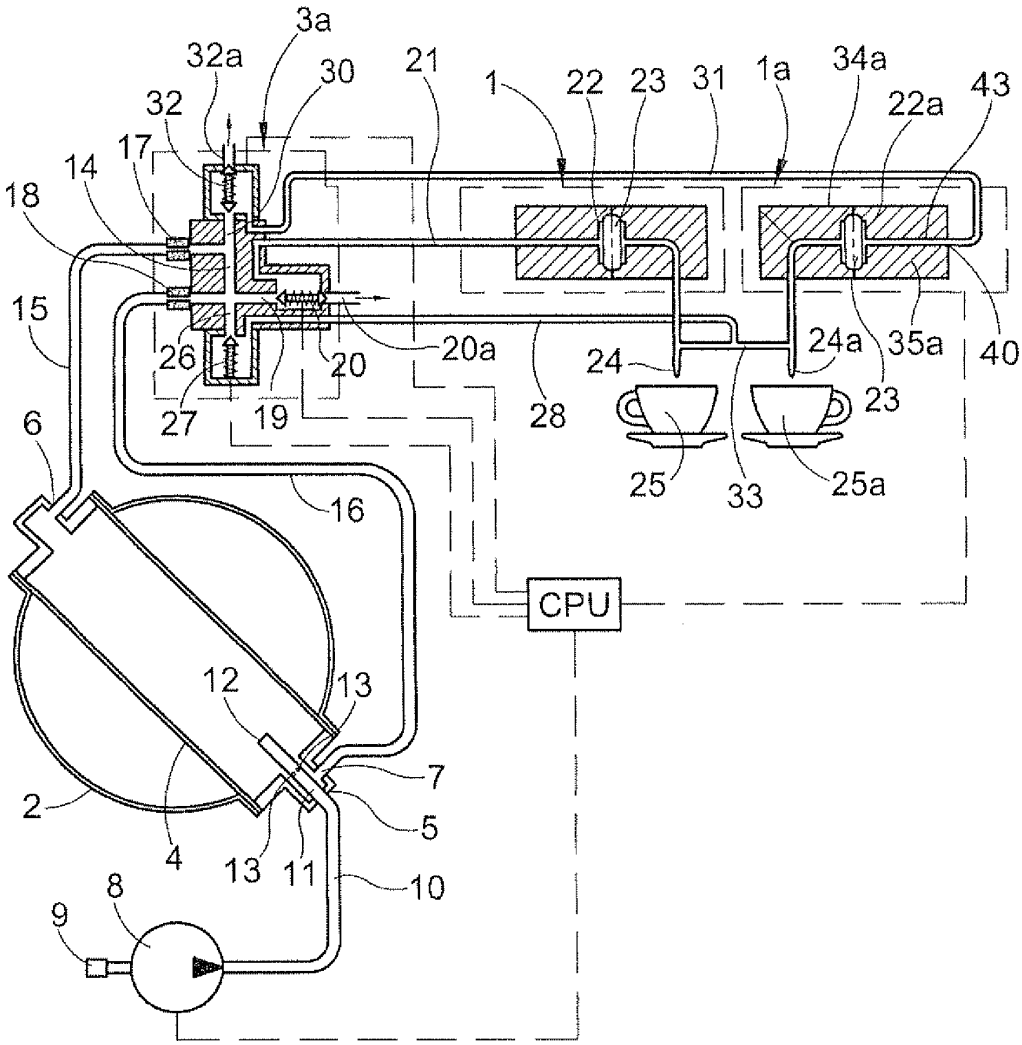
Family 128/200 - FAMPAT - ©Questel

Title

(EP2147621)

An apparatus for the preparation of coffee-based beverages from pre-packaged pods or capsules

Images



Publication data including kind & date

ES2366997	T3	2011-10-27	ES2366997
PT2147621	E	2011-09-01	PT2147621
AT515220	T	2011-07-15	ATE515220
EP2147621	B1	2011-07-06	EP2147621
US20100018404	A1	2010-01-28	US20100018404
EP2147621	A1	2010-01-27	EP2147621

Abstract

(EP2147621)

An apparatus for supplying hot water to at least one brewing unit (1) operating with pre-packaged pods or capsules (23) containing one or more doses of ground coffee for the preparation of coffee-based beverages, the brewing unit being provided with a brewing chamber (22) and a discharge duct (36) from the brewing chamber for the supply of the prepared beverage, the apparatus comprising a water heat exchanger (4) with a first opening (5) for the introduction of cold water, a second opening (6) for the supply of heated water, a third opening (7) in the vicinity of the first opening (5), and a cold water supply pump (8) connected between a source (9) of cold water and the first opening (5) of the heat exchanger. The apparatus comprises a water distribution unit (3) provided internally with a chamber (14) stably connected to the second heated water supply opening (6) and to the third opening (7) of the heating member (4) disposed in the vicinity of the cold water inlet opening (5) by means of respective ducts (15. 16) creating a circulation of thermo-siphon type in the water, the chamber (14) being provided with at least one outlet (19) connected to the chamber (22) of the brewing device (1), which may be opened and closed, with the interposition of a valve (20) which may be controlled to open and close the outlet (19).

Inventors

VILLA ETTORE

MATURO GIUSEPPE

Latest standardized assignees - inventors removed

GRUPPO CIMBALI

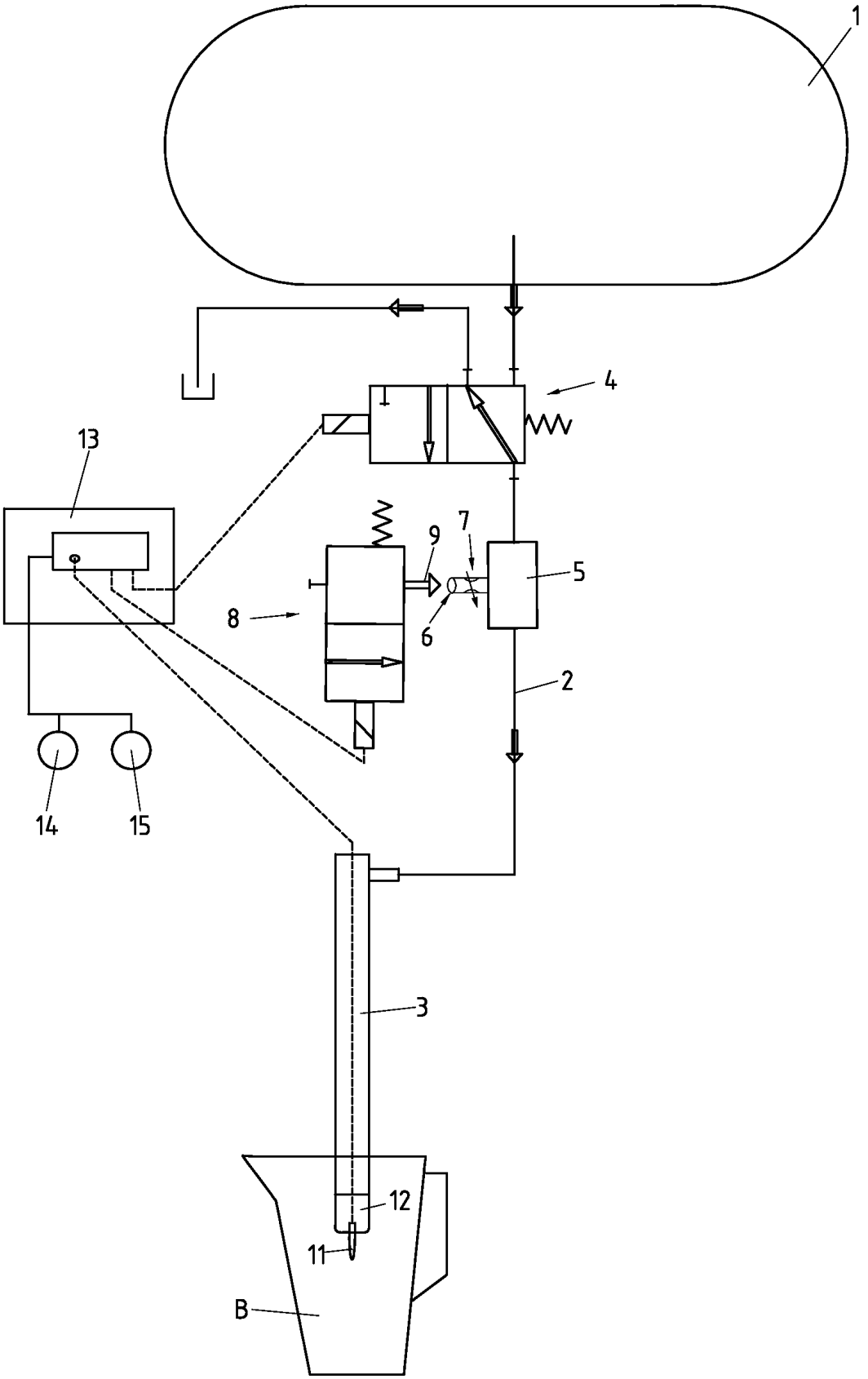
Family 129/200 - FAMPAT - ©Questel

Title

(EP2025270)

Device for foaming and heating up milk

Images



Publication data including kind & date

EP2025270	B1	2017-04-12	EP2025270
EP2025270	A3	2013-09-25	EP2025270
JP5152802	B2	2012-12-14	JP5152802
CN101380201	B	2012-10-10	CN101380201B

CA2638853	C	2012-01-24	CA2638853
US8003148	B2	2011-08-23	US8003148
CN101380201	A	2009-03-11	CN101380201
AU2008203858	A1	2009-03-05	AU2008203858
JP2009045463	A	2009-03-05	JP2009045463
KR20090018001	A	2009-02-19	KR20090018001
US20090047402	A1	2009-02-19	US20090047402
EP2025270	A2	2009-02-18	EP2025270
CA2638853	A1	2009-02-16	CA2638853

Abstract

(EP2025270)

Milk foaming and heating device for use in espresso-coffee machine, has venturi nozzle with air-supply opening that is selectively closable by closing device operated by control device based on operation mode and measured milk temperature The device has a steam generator (1), and a steam-pipe (3) connected with the steam generator by a steam-pipeline (2) for dipping in milk. A temperature sensor (11) is arranged in the steam pipe for measuring milk temperature, and a control device (13) is connected with the temperature sensor. A venturi nozzle (5) is arranged in the steam pipeline, and is provided with an air-supply opening (6) that is selectively closable by a closing device (8) that is electromagnetically operated by the control device based on an operation mode and the measured milk temperature. Independent claims are also included for the following: (1) a method for foaming milk (2) a method for heating the milk.

Inventors

SCHÖDLER CLAUDIO

Latest standardized assignees - inventors removed

CAFINA

Family 130/200 - FAMPAT - ©Questel

Title

(EP2490581)

Milk frothing method and milk frothing device for implementing the method

Images

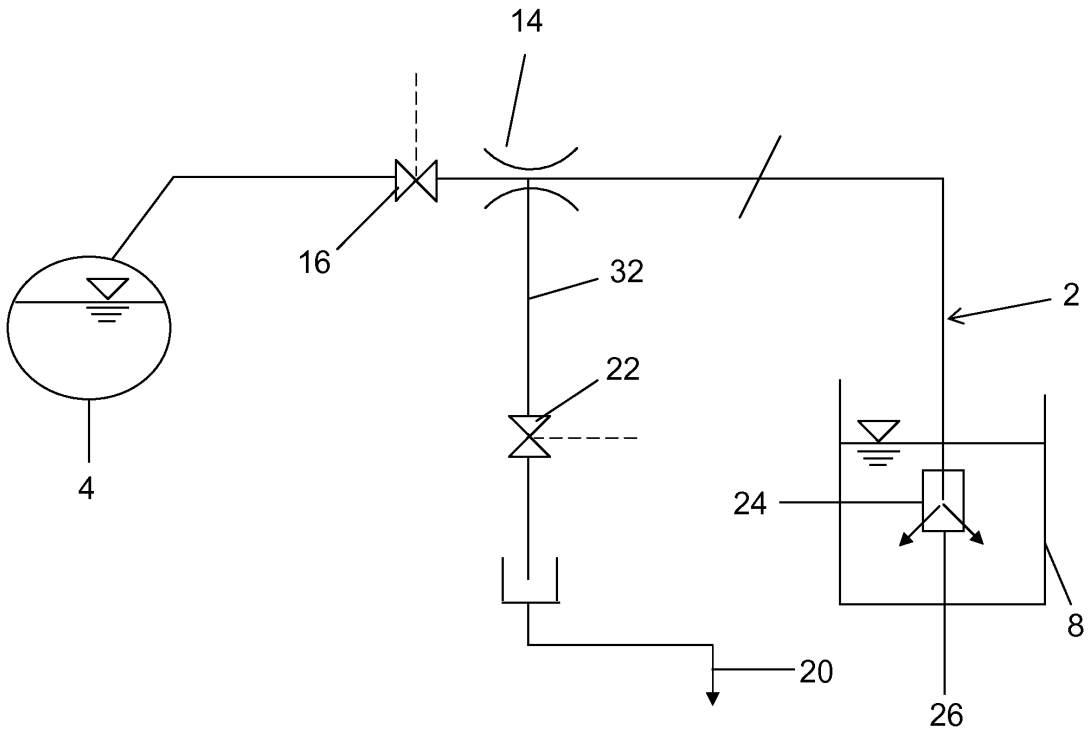


FIG. 1

Publication data including kind & date

CN102612334	B	2014-10-29	CN102612334B
ES2439289	T3	2014-01-22	ES2439289
EP2490581	B1	2013-10-02	EP2490581
IT1396821	B1	2012-12-14	IT1396821
EP2490581	A2	2012-08-29	EP2490581
CN102612334	A	2012-07-25	CN102612334
WO2011/048078	A3	2011-10-13	WO201148078
WO2011/048078	A2	2011-04-28	WO201148078
ITVE20090064	A1	2011-04-23	IT2009VE0064

Abstract

(EP2490581)

A milk frothing method, by subjecting the milk to a step of merely heating by a flow of steam which emerges from a lance (2) immersed in the milk and raises it to a predetermined temperature less than the final temperature of the frothed milk to be obtained, then subjecting the already partly heated milk to a heating and frothing step by a flow of steam and air which is drawn in through a venturi tube (14) by the same steam flow, characterized by preceding the merely heating step by a cleaning and moisture eliminating step, in which said venturi tube (14) is traversed by a flow of steam and of air entrained by said steam and by controlling the steam flow by a normally closed solenoid valve (16) and the air flow by a normally open solenoid valve (22).

Inventors

FREGNAN ANDREA

Latest standardized assignees - inventors removed

ELEKTRA

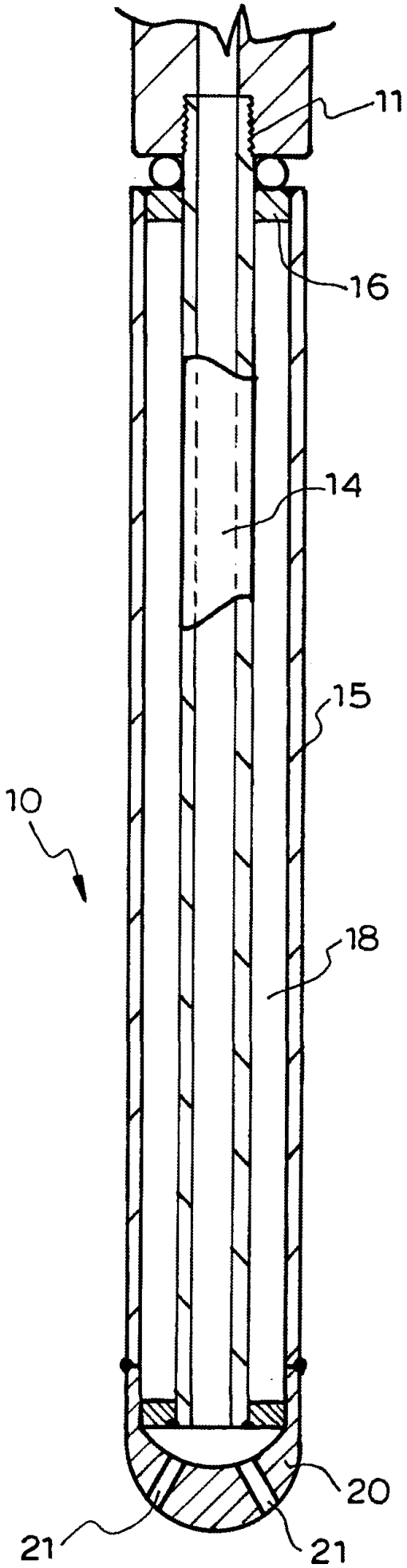
Family 131/200 - FAMPAT - ©Questel

Title

(EP3324797)

Espresso milk frother probe

Images


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21

Publication data including kind & date

ZA201801170	B	2019-07-31	ZA201801170
AU2019204643	A1	2019-07-25	AU2019204643
EP3324797	A4	2019-04-24	EP3324797
US20180213968	A1	2018-08-02	US20180213968
JP2018519946	A	2018-07-26	JP2018519946
EP3324797	A1	2018-05-30	EP3324797
KR20180048628	A	2018-05-10	KR20180048628
CN107920682	A	2018-04-17	CN107920682
IN201717047140	A	2018-03-16	IN201717047140
AU2016297674	A1	2018-01-18	AU2016297674
CA2991795	A1	2017-01-26	CA2991795
WO2017/011853	A1	2017-01-26	WO201711853

Abstract

(EP3324797)

A milk frothing apparatus which includes a steam probe which consists of an inner steam tube surrounded by an outer tube spaced annularly from the inner tube with a nozzle mounted on the end of said outer tube adjacent the outlet end of said inner tube. The air gap between the inner and outer tubes insulates the outer tube from the heat generated in the inner tube during the steam cycle. By using stainless steel the milk does not stick to the cool outer tube surface and no cleaning of the outer surface of the probe is necessary. The steam itself keeps the inner surfaces of the probe clean.

Inventors

PURTON WILLIAM WESTMORE

Latest standardized assignees - inventors removed

WW PANTON

Family 132/200 - FAMPAT - ©Questel

Title

(WO2010121299)

Steam wand

Images

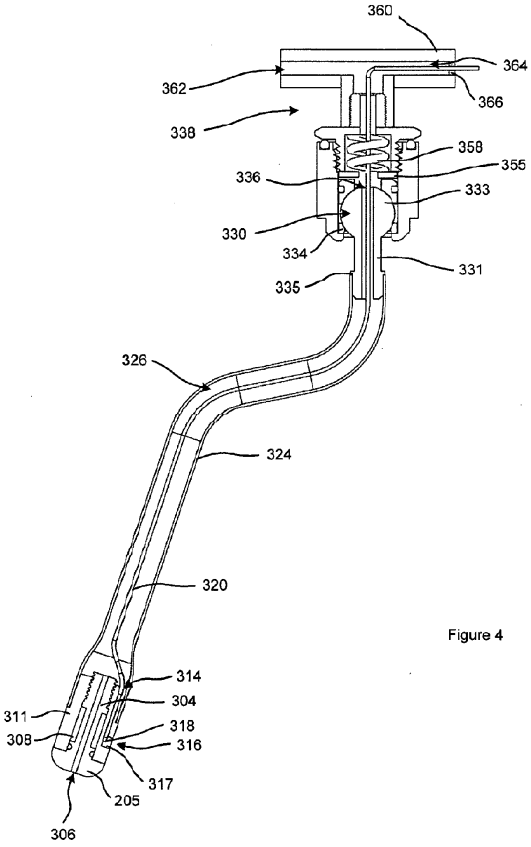


Figure 4

Publication data including kind & date

AU2010239136	B2	2016-04-14	AU2010239136
CN102438490	A	2012-05-02	CN102438490
AU2010239136	A1	2011-11-03	AU2010239136
WO2010/121299	A1	2010-10-28	WO2010121299

Abstract

(WO2010/121299)

A beverage maker including a steam generation means, a steam wand, and a control valve for controlling the passage of steam from the steam generation means to the steam wand is described. The steam wand includes an arm, a nozzle located at a distal end of the arm, a steam duct defined within the steam wand through which, in use, steam from the steam generation means is vented, via the nozzle, into a liquid. The steam wand also includes a temperature sensor for sensing the temperature of the liquid, the temperature sensor being transversely spaced from a central axis of the steam wand and an insulating member for insulating the temperature sensor from heat generated by steam travelling through the steam duct.

Inventors

O'LOUGHLIN NICK

CORKIN DANIEL

Latest standardized assignees - inventors removed

SUNBEAM

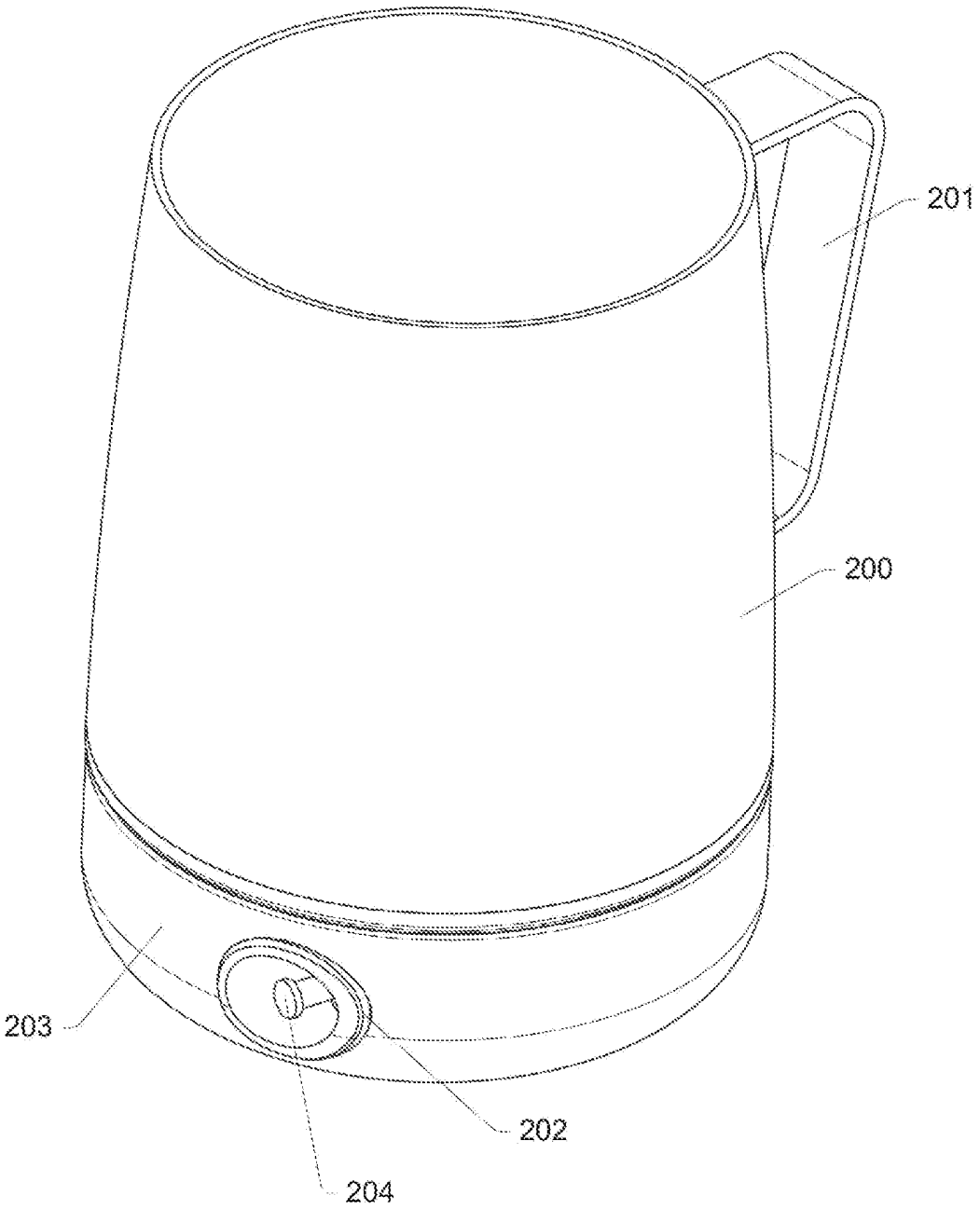
Family 133/200 - FAMPAT - ©Questel

Title

(EP3469964)

Apparatus for frothing milk

Images



Publication data including kind & date

AU2014328471	B2	2019-09-12	AU2014328471
EP3469964	A1	2019-04-17	EP3469964
RU2678011	C2	2019-01-22	RU2678011
EP3051988	B1	2018-11-28	EP3051988
RU2016117250	A3	2018-06-28	RU2016117250
RU2016117250	A	2017-11-10	RU2016117250
EP3051988	A4	2017-07-12	EP3051988
CN105992540	A	2016-10-05	CN105992540
US20160235243	A1	2016-08-18	US20160235243
EP3051988	A1	2016-08-10	EP3051988
AU2014328471	A1	2016-04-28	AU2014328471
WO2015/042652	A1	2015-04-02	WO201542652

Abstract

(EP3469964)

A frothing apparatus (1900) adapted to cooperate with a jug for heating a liquid in the jug) includes a steam heater, a steam

nozzle (1912) and a steam path providing fluid communication from the steam heater to the steam nozzle (1912) for delivering heating steam to the jug (1318), and a steam wand (1910) including the steam nozzle (1912). The steam wand (1910) is movable between a raised configuration and a lowered configuration. The steam wand (1910) is biased to the lowered configuration.

Inventors

GRASSIA ROBERT

MCCOLL NICHOLAS JAMES

CORKIN DANIEL ROBERT

Latest standardized assignees - inventors removed

BREVILLE

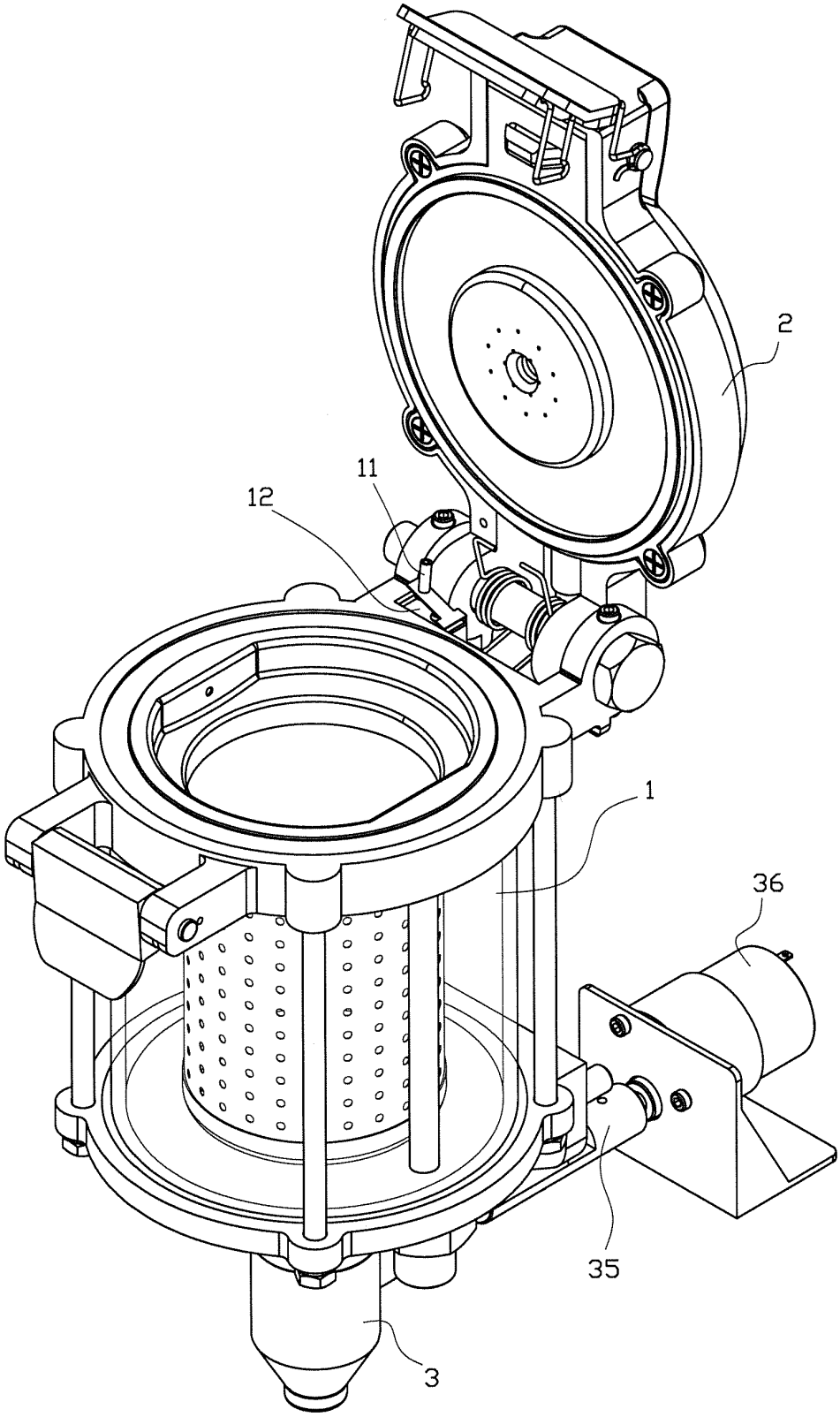
Family 134/200 - FAMPAT - ©Questel

Title

(US20120240774)

Infusion barrel structure for beverage making device

Images



Publication data including kind & date

US20120240774 A1 2012-09-27 US20120240774

Abstract

(US20120240774)

An infusion barrel structure for a beverage making device includes a barrel body, a cover and an outflow unit. By dosing the cover to touch a touch switch of the barrel body, the outflow unit is closed. By opening the cover, the touch switch is not

pressed by the cover and the outflow unit is opened. The outflow of beverage in the barrel body of the present invention is automatic, without the need of waiting.

Inventors

YANG DANIEL

Family 135/200 - FAMPAT - ©Questel

Title

(EP-287906)

Apparatus for quick emulsification and heating of liquids

Images

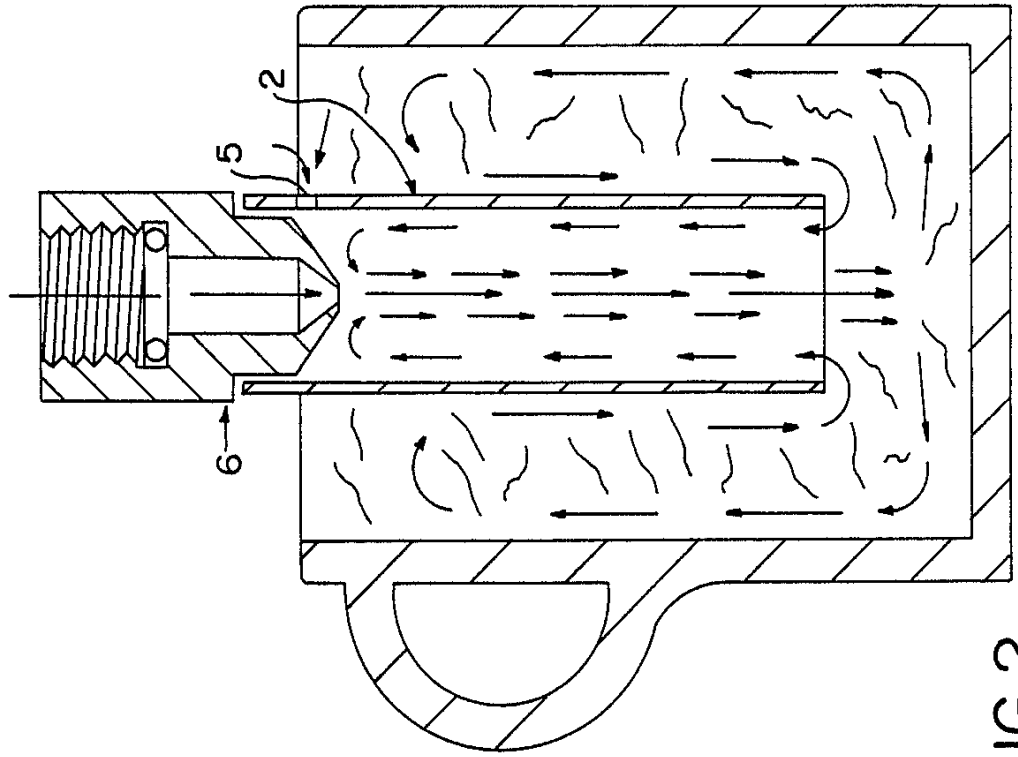


FIG.2

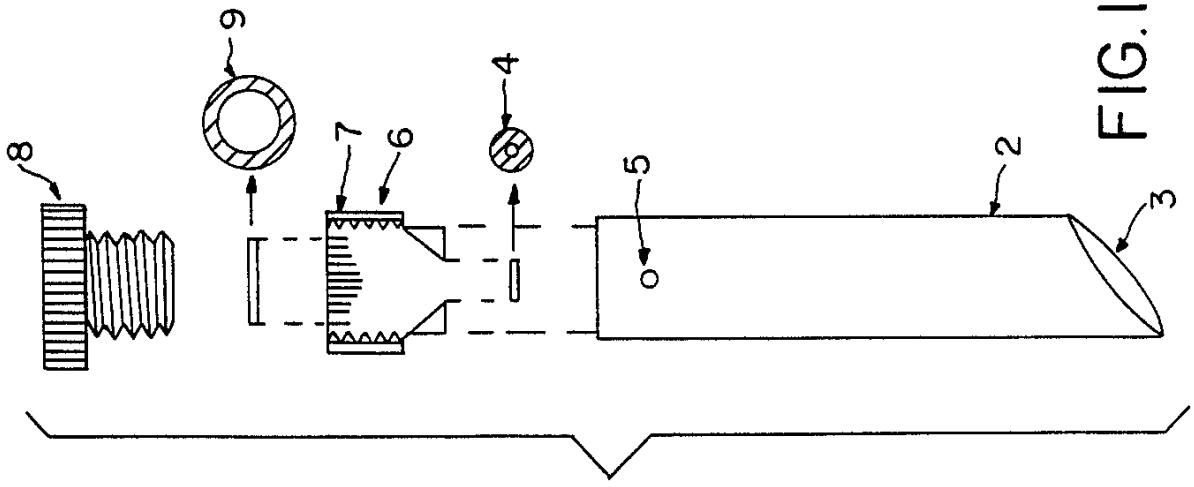


FIG.1

Publication data including kind & date

PT87282	B	1993-09-30	PT--87282
IN170878	B	1992-06-06	IN-170878
DE3868531	D1	1992-04-02	DE3868531
AT72741	T	1992-03-15	ATE072741
EP0287906	B1	1992-02-26	EP-287906
CA1289375	C	1991-09-24	CA1289375
CS274388	A2	1991-08-13	CS8802743
TNSN88039	A1	1990-07-10	TN8800039

MA21643	A1	1990-07-01	MA--21643
YU76688	A	1989-12-31	YU8800766
HUT49503	A	1989-10-30	HU-T49503
IT1211177	B	1989-10-06	IT1211177
DD269790	A5	1989-07-12	DD-269790
PT87282	A	1989-05-12	PT--87282
US4827904	A	1989-05-09	US4827904
MC1904	A1	1989-04-06	MC---1904
OA8837	A	1989-03-31	OA---8837
PL271921	A1	1989-03-20	PL88271921
GR890300006	T1	1989-03-08	GR890300006
DE287906	T1	1989-02-16	DE-287906T
ES2004327	A4	1989-01-01	ES2004327
CN88102166	A	1988-11-23	CN88102166
EP0287906	A3	1988-11-23	EP-287906
BR8801865	A	1988-11-22	BR8801865
IL86135	A	1988-11-15	IL--86135
JPS63270539	A	1988-11-08	JP63270539
AU1433988	A	1988-10-27	AU8814339
EP0287906	A2	1988-10-26	EP-287906
NO881712	L	1988-10-24	NO-881712
DK210588	A	1988-10-22	DK8802105
FI881765	A	1988-10-22	FI8801765
ZA8802634	B	1988-10-03	ZA8802634
NO881712	D0	1988-04-20	NO8801712
DK210588	D0	1988-04-18	DK8802105
FI881765	A0	1988-04-15	FI8801765
IT8708201	D0	1987-04-21	IT8708201

Abstract

(EP0287906)

Apparatus apt to heat, emulsify, whip, harden, liquids of different types, particularly milk, chocolate, punch and the like, comprising : - a turbulence tube (2) to be immersed in the liquid to be treated the wall of which is provided with a calibrated hole (5), being able to act as an air inlet; and - a securing block (6) to be hermetically mounted on the top of said turbulence tube and terminating at its lower portion with a calibrated hole (4), said block being able to be coupled to a source of steam through coupling means.

Inventors

BONANNO, FRANCESCO

Latest standardized assignees - inventors removed

BREVETTI GAGGIA

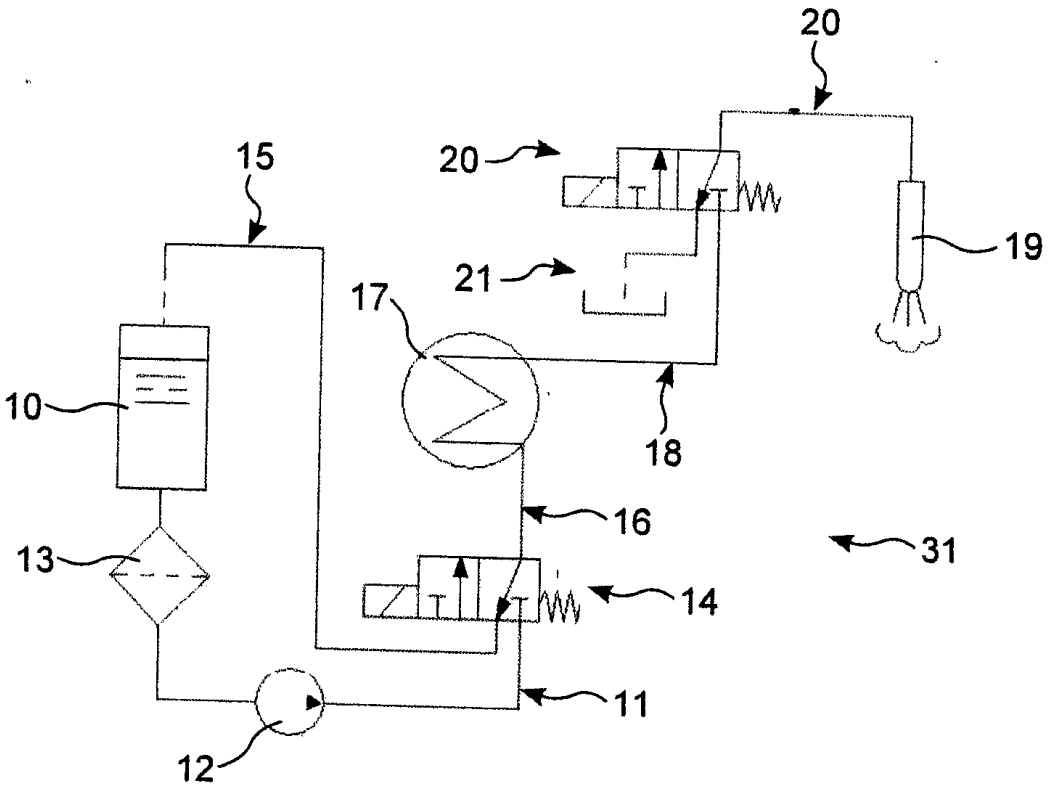
Family 136/200 - FAMPAT - ©Questel

Title

(US20150104548)

Milk steamer

Images



Publication data including kind & date

CN104545445	A	2015-04-29	CN104545445
US20150104548	A1	2015-04-16	US20150104548

Abstract

(US20150104548)

In a milk steamer, a changeover valve and a vent valve are connected to the inlet and the outlet of a steam-generating thermoblock to provide ready draining of water, and to mitigate condensation of steam that draws milk into the steam nozzle. In an automatic milk steamer, the height of the steam nozzle above the milk level is automatically set by interaction between a drive mechanism and a liquid level sensor.

Inventors

YIP THOMAS CHUNG LIK

Latest standardized assignees - inventors removed

G E W INTERNATIONAL

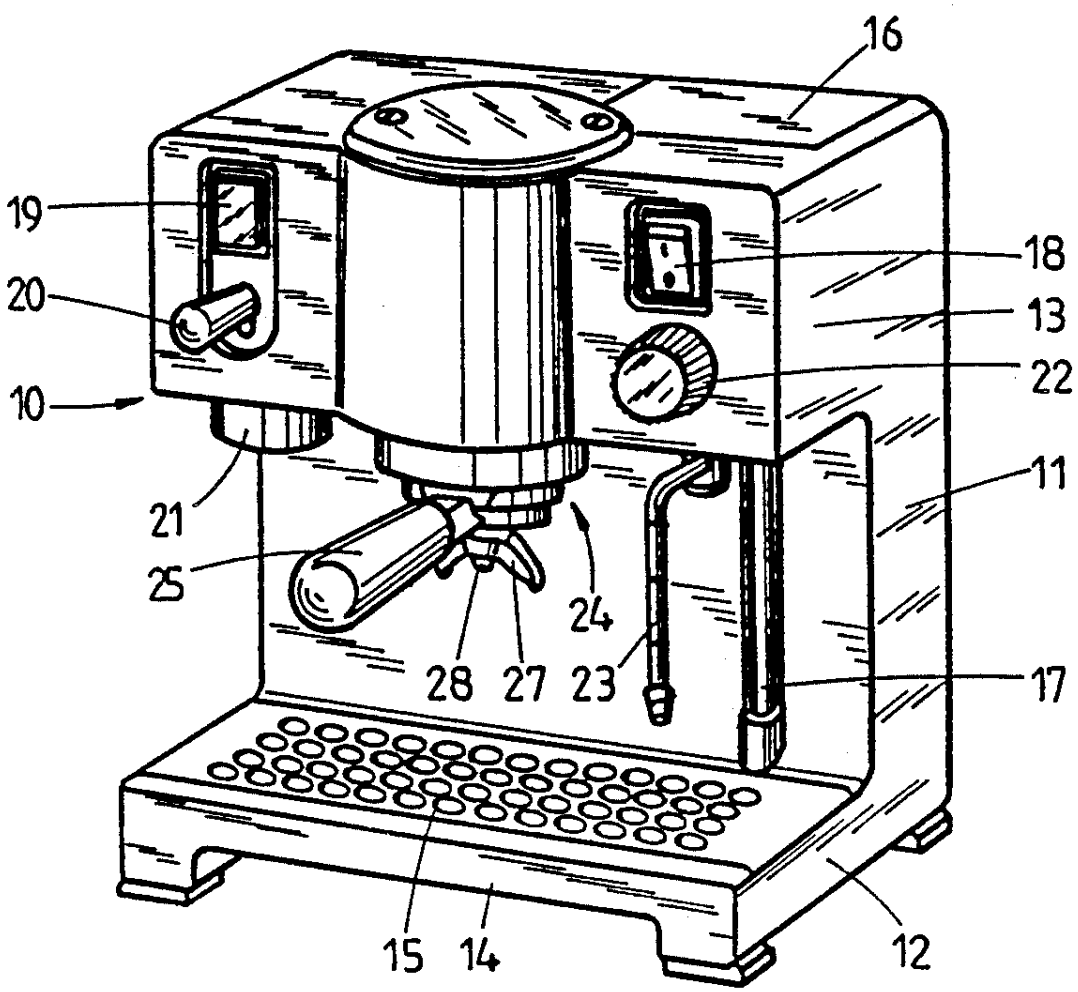
Family 137/200 - FAMPAT - ©Questel

Title

(US4800805)

Espresso machine with cappuccino making attachment

Images



Publication data including kind & date

FR2604077	B1	1991-04-12	FR2604077
IT1222043	B	1990-08-31	IT1222043
CH673212	A5	1990-02-28	CH-673212
US4800805	A	1989-01-31	US4800805
FR2604077	A1	1988-03-25	FR2604077
IT8721307	D0	1987-07-15	IT8721307

Abstract

(US4800805)

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

Inventors

MAHLICH GOTTHARD C

BORGMANN MICHAEL

Latest standardized assignees - inventors removed

ROBERT KRUPS STIFTUNG

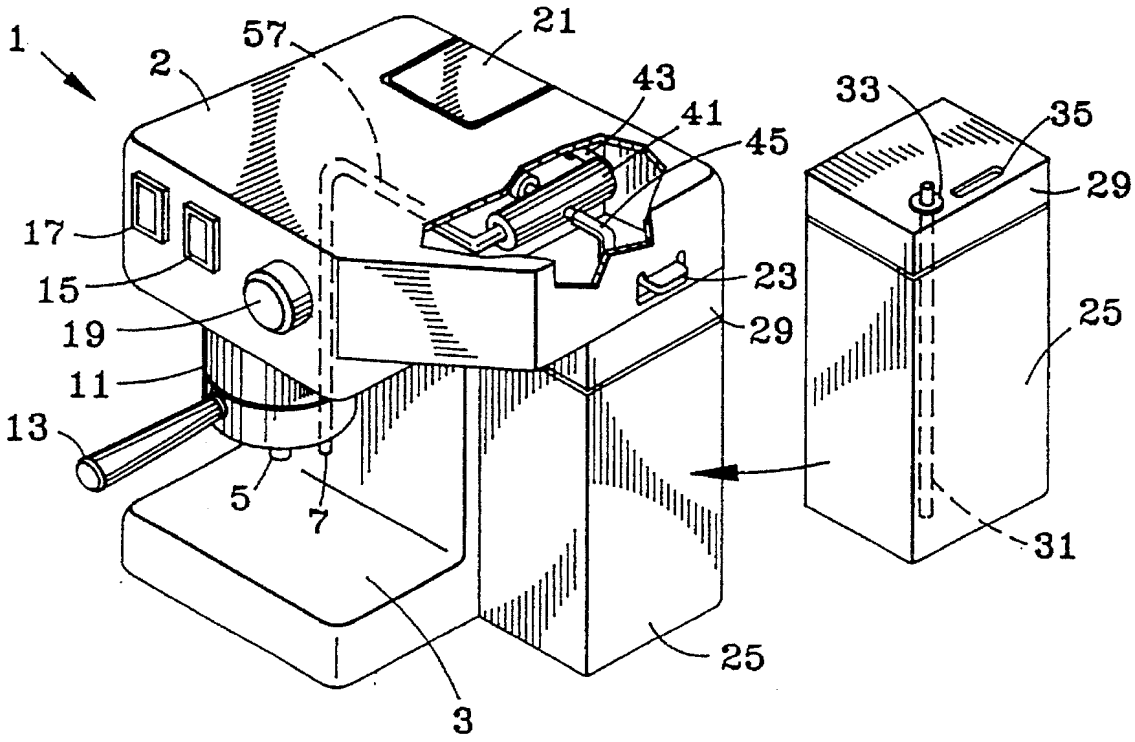
Family 138/200 - FAMPAT - ©Questel

Title

(US5473972)

Milk container attachment for cappucino maker

Images



Publication data including kind & date

US5473972 A 1995-12-12 US5473972

Abstract

(US5473972)

A separate, removable milk container is provided which can be attached to and detached from a cappucino coffee maker. Alternatively, it can be attached to a modified espresso maker, converting it to making cappucino. The container has make and break connections for a milk delivery tube, so that, when the unit is not in use, the milk container can be removed from the unit and stored in a refrigerator to prevent spoiling of the milk. The cappucino maker includes a steam line to heat the coffee and milk. This line runs through a venturi, drawing milk into it, and then forces the steamed and frothed milk to a steamed milk outlet proximate to the coffee dispensing spout. The separate milk container includes means for attaching it to the unit and a milk tube which runs to the venturi. Thus, in use, the venturi draws milk from the container into the steam line and to the frothed milk outlet.

Inventors

RIZZUTO LEANDRO P

MULLE THEODORE B

BRAGINSKY ASIK

Latest standardized assignees - inventors removed

CONAIR

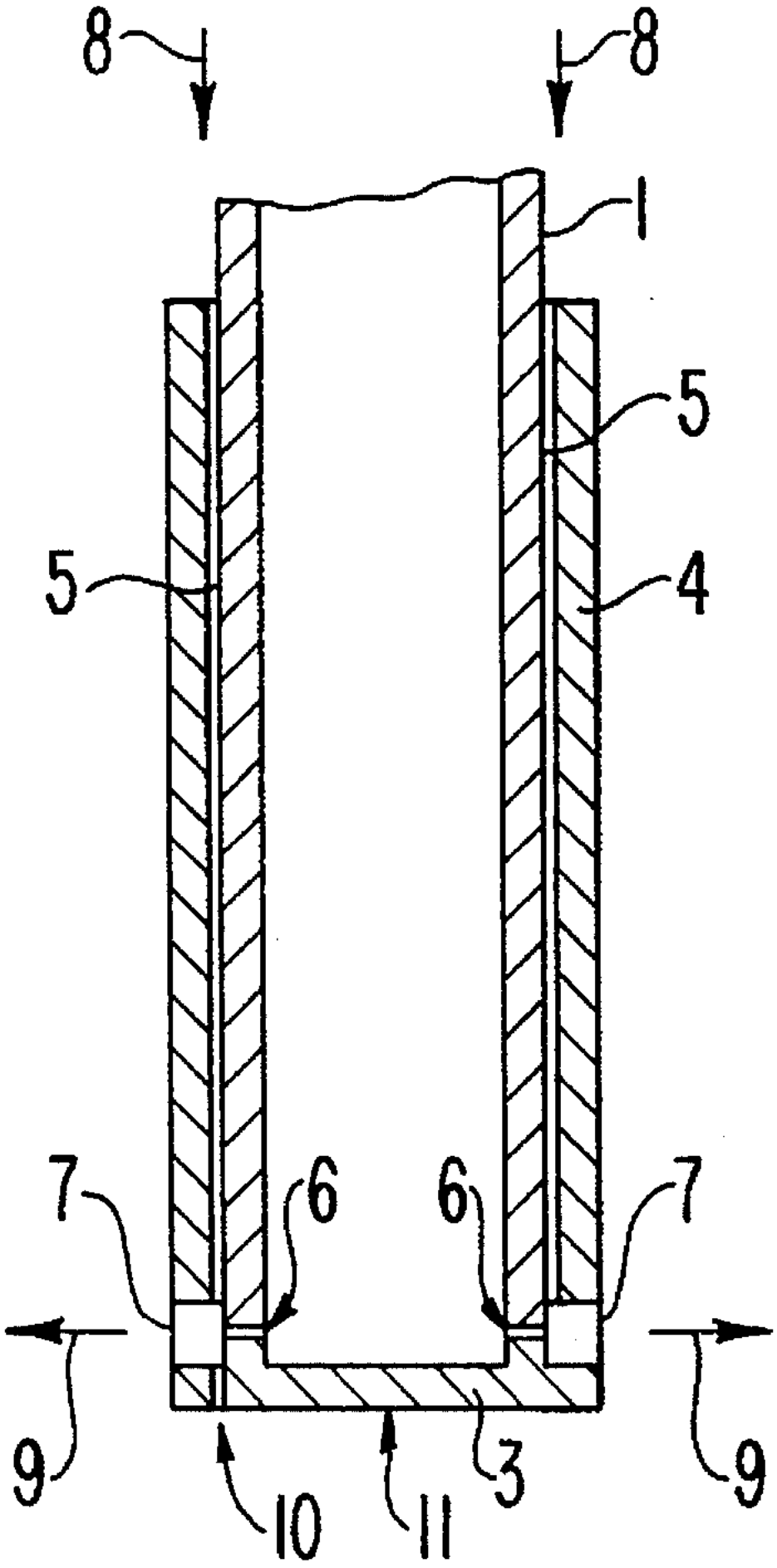
Family 139/200 - FAMPAT - ©Questel

Title

(EP-662297)

Device for producing frothed milk for cappuccino.

Images


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Publication data including kind & date

US5464574	A	1995-11-07	US5464574
DE59300543	D1	1995-10-05	DE59300543
ES2075754	T3	1995-10-01	ES2075754
AT126987	T	1995-09-15	ATE126987
EP0662297	B1	1995-08-30	EP-662297
EP0662297	A1	1995-07-12	EP-662297

Abstract

(EP0662297)

The foamer has a steam tube (1) attached to a hot steam generator of a coffee or espresso machine has at least two outlets (6,7) for the hot mixture whereby at least one and possibly all outlets is/are radially aligned relative to the steam tube. These outlets can be set at the same angular spacing from each other. Two tubes (1,4) can be arranged concentric with each other with inbetween at least one flow channel (5) for the incoming air. The or each radial outlet are formed as co-aligned openings in the two tubes.

Inventors

MAHLICH GOTTHARD DIPL-ING

Latest standardized assignees - inventors removed

ARTHUR EUGSTER ELEKTROHAUSHALTSGERATE

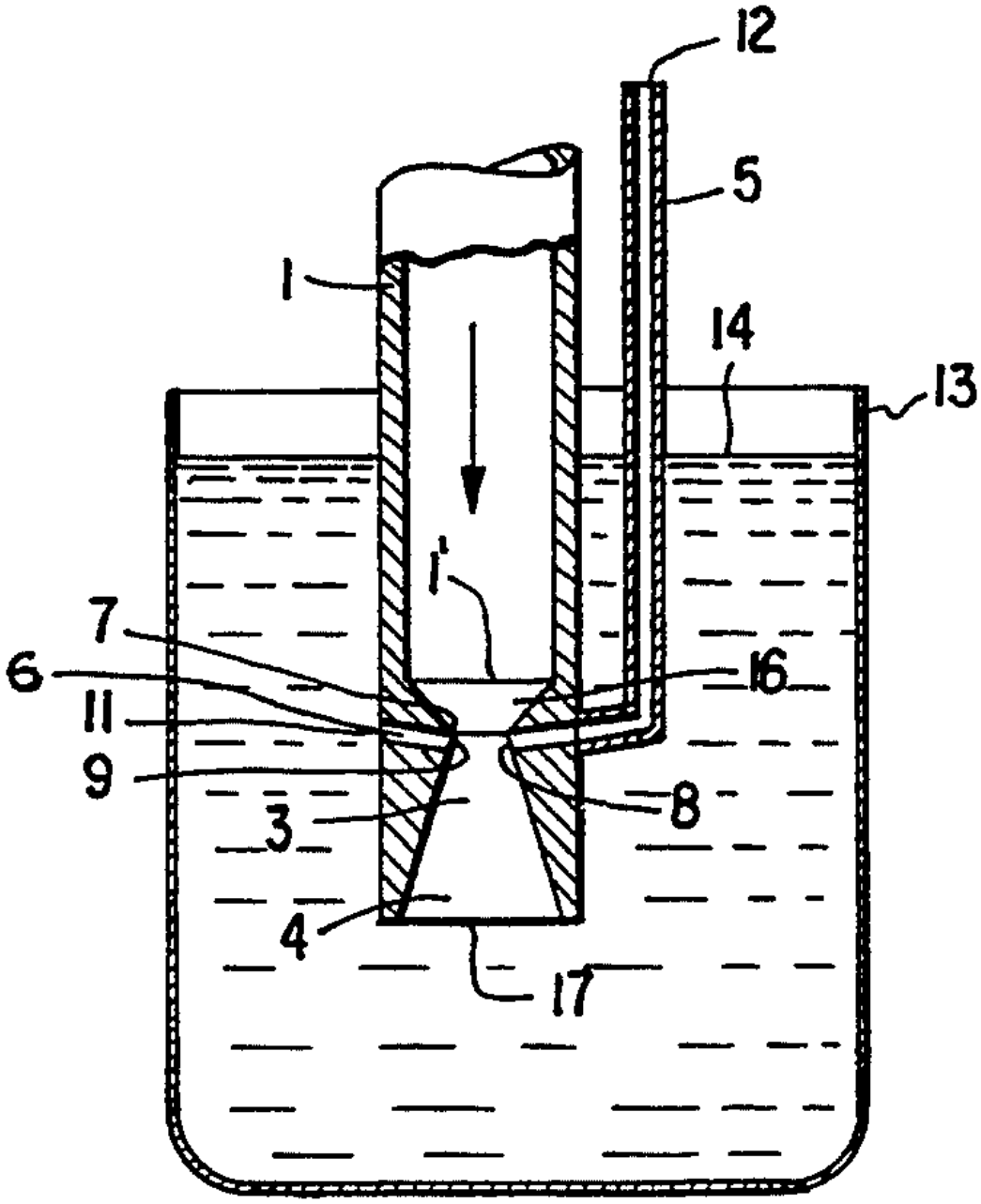
Family 140/200 - FAMPAT - ©Questel

Title

(EP-575762)

Device preparing foamed milk for cappuccino

Images



Publication data including kind & date

ES2086153	T3	1996-06-16	ES2086153
DE59302326	D1	1996-05-30	DE59302326
AT137091	T	1996-05-15	ATE137091
EP0575762	B1	1996-04-24	EP-575762
US5335588	A	1994-08-09	US5335588
DE4220986	A1	1994-01-05	DE4220986
EP0575762	A1	1993-12-29	EP-575762

Abstract

(EP0575762)

A device for preparing milk froth for cappuccino (milky coffee beverage) is described, which is to be used as an additional apparatus for coffee, espresso or steam-preparing appliances equipped with a hot-steam generator and a steam pipe. In this case, a Venturi tube (3) is arranged at the outlet end of the steam pipe (1), to which Venturi tube an air intake line (5) and a milk intake line (6) are assigned in such a way that the outlet aperture (8) of the air intake line (5) and the outlet aperture (9) of the milk intake line (6) open out into the Venturi tube (3) in the zone of the greatest negative pressure. By means of the negative pressure produced by the flowing steam in the Venturi tube (3), air and milk are sucked in and mixed

with the hot steam in the diffusion path (4) of the Venturi tube (3). The threefold mixture, steam/air/milk, necessary for producing the milk froth is thus already produced in the Venturi tube (3), and the desired milk froth is produced at the outlet (17) of the Venturi tube (3). The device according to the invention is distinguished by the fact that, compared to frothing aids according to the prior art, it achieves optimum frothing results even in conjunction with steam generators of low power.

Inventors

MAHLICH GOTTHARD DIPL-ING

Latest standardized assignees - inventors removed

EUGSTER FRISMAG

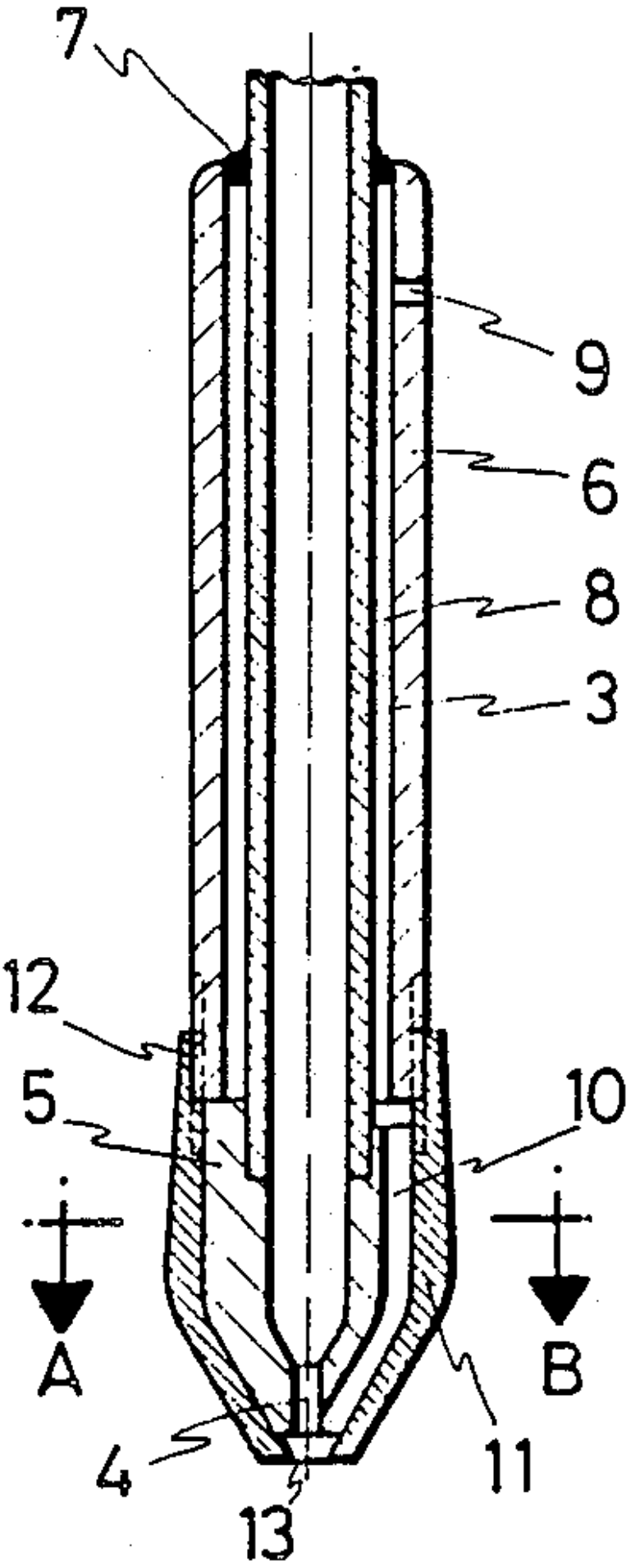
Family 141/200 - FAMPAT - ©Questel

Title

(US4852473)

Water vapor relief device for domestic coffee makers

Images


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Publication data including kind & date

US4852473	A	1989-08-01	US4852473
ES1004042	Y	1989-03-16	ES1004042Y
DE8806220	U1	1988-10-13	DE8806220
ES1004042	U	1988-08-16	ES1004042U

Abstract

(US4852473)

A water vapor relief device for domestic coffee makers includes one tube connected to a vapor generator of the coffee maker and terminating at a free end thereof with an outlet hole and another tube which surrounds the first tube and forms therewith a chamber. The first tube at the end thereof carries an expanded head for a nozzle. A conduit formed between the nozzle and the head is inclined to produce the Venturi effect so that in the liquid such as milk in which the device is submerged the bubbling is produced which generates a foam.

Inventors

AZPITARTE BOLIVAR DOMINGO F

Latest standardized assignees - inventors removed

OFICINA DE INVESTIGACION AGRUPADA

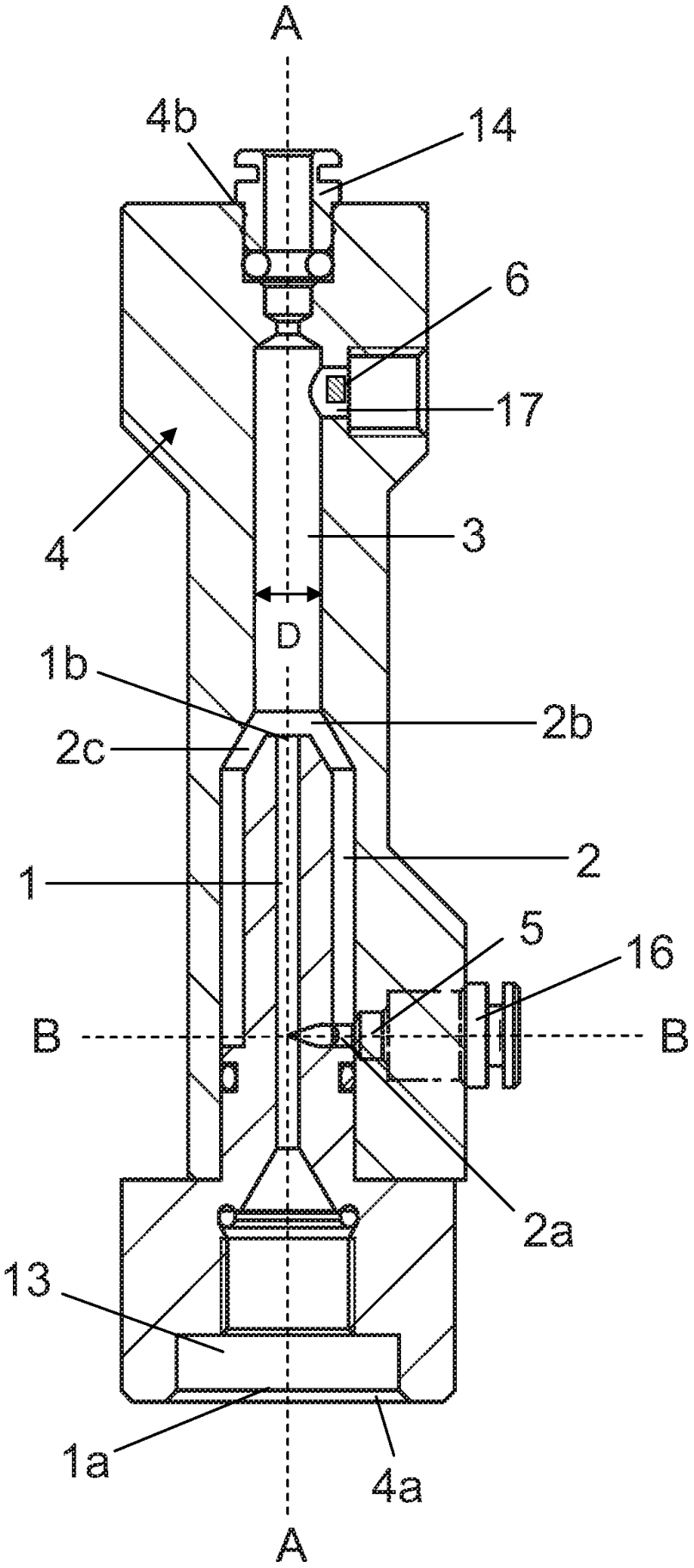
Family 142/200 - FAMPAT - ©Questel

Title

(EP3210505)

Boiler unit for a device for heating and/or frothing of milk

Images



Publication data including kind & date

CA2957665

	C	2018-09-03	CA2957665
JP6374997	B2	2018-08-15	JP6374997
JP2017148495	A	2017-08-31	JP2017148495
EP3210505	A1	2017-08-30	EP3210505
CN107095579	A	2017-08-29	CN107095579
IN201734004807	A	2017-08-25	IN201734004807
US20170238755	A1	2017-08-24	US20170238755
CA2957665	A1	2017-08-23	CA2957665

Abstract

(EP3210505)

An appliance for heating and/or frothing milk, in which steam or a mixture of steam and air acting as a heat carrier is injected into the milk, with the heating unit including an inner steam channel and an outer annular channel for the milk. The outer annular channel coaxially surrounds the inner steam channel, with hot steam or a mixture of steam and air being supplied at an upstream end of the steam channel and with milk being supplied at an upstream end of the annular channel. To improve the heat output and the energy efficiency of the heating unit and to reduce the maintenance requirement, the steam channel and the annular channel are separated from one another, with their downstream ends opening out into an outlet channel for discharging the heated and/or frothed milk.

(From US2017238755 A1)

Inventors

LOCHER GRÉGOIRE

Latest standardized assignees - inventors removed

EVERSYS HOLDING

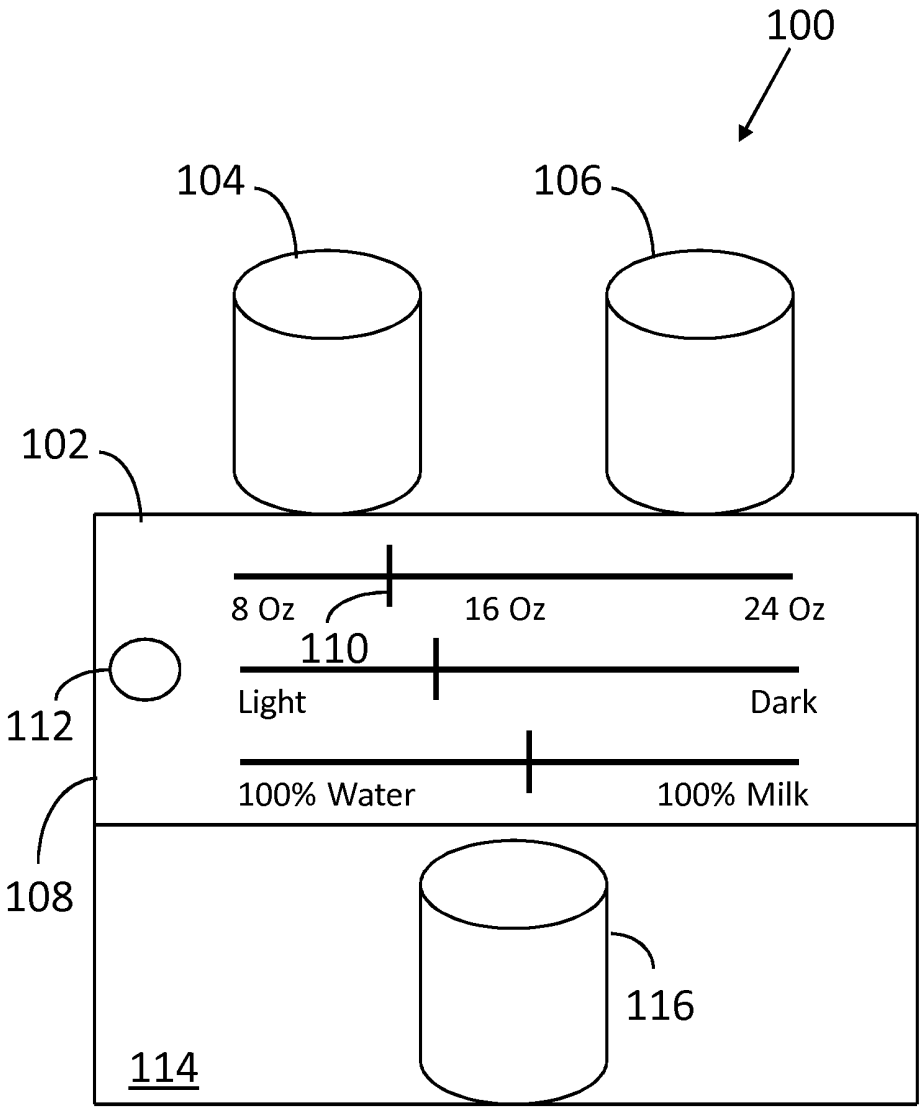
Family 143/200 - FAMPAT - ©Questel

Title

(WO201573716)

Apparatus and method for making tea latte

Images



Publication data including kind & date

WO2015/073716	A1	2015-05-21	WO201573716
US20150128814	A1	2015-05-14	US20150128814

Abstract

(WO2015/073716)

An apparatus includes a body, a first container for positioning on the body and a second container for positioning on the body. An interface is positioned on the body to accept preparation parameters for tea latte. A boiler within the body receives water from the first container and milk from the second container. A heater adjacent to the boiler heats the water and the milk in accordance with at least one preparation parameter. A filter and a dispensing valve are controlled electronically.

Inventors

CHAWLA GAURAV

Latest standardized assignees - inventors removed

CAMELLIA LABS

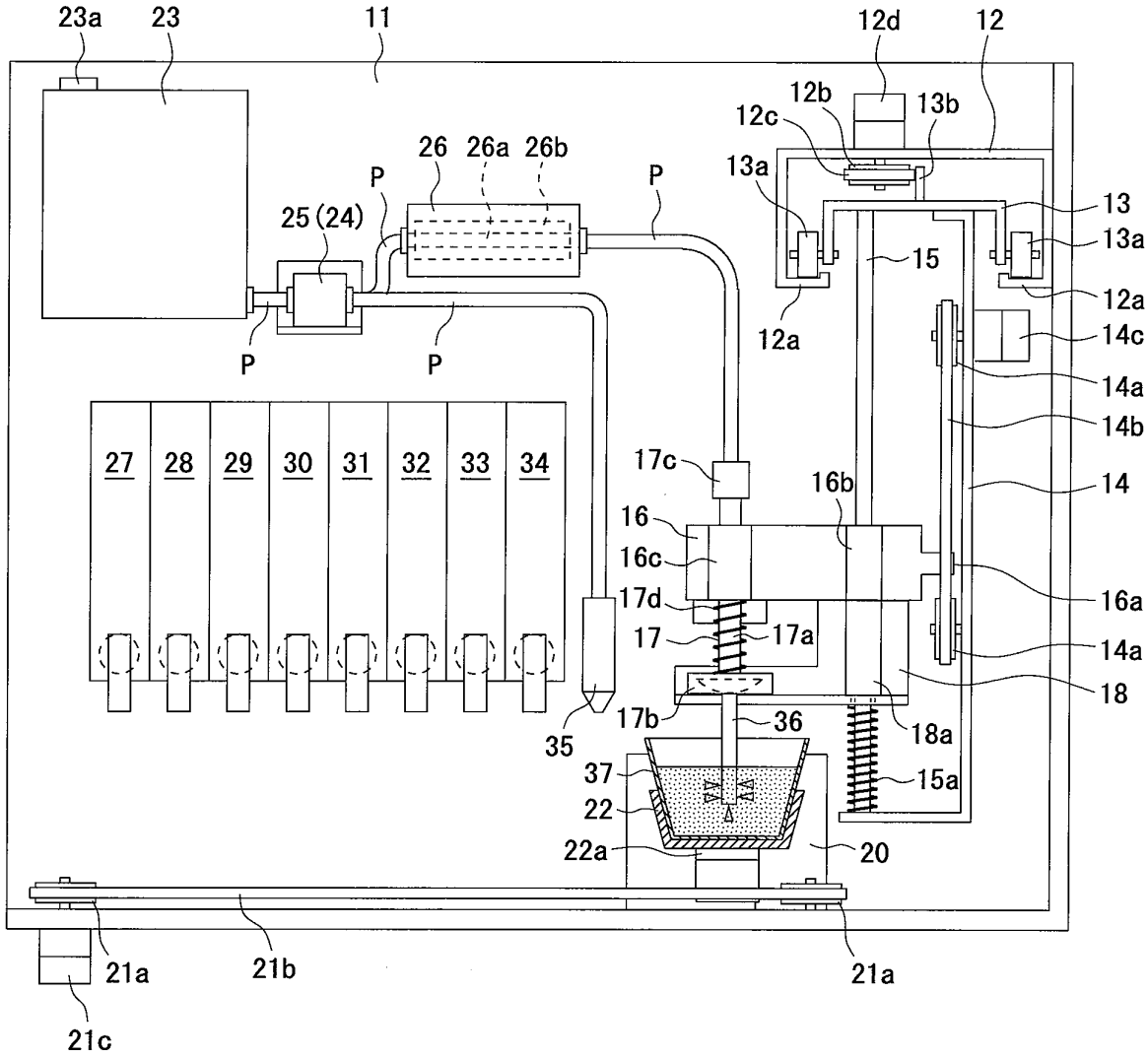
Family 144/200 - FAMPAT - ©Questel

Title

(EP1955623)

Liquid food heating apparatus and steam jet nozzle for liquid food heating apparatus

Images



Publication data including kind & date

US20090266245	A1	2009-10-29	US20090266245
EP1955623	A1	2008-08-13	EP1955623
JPWO2007063845	A1	2007-06-07	JP2007063845W
WO2007/063845	A1	2007-06-07	WO200763845

Abstract

(EP1955623)

A liquid food heating apparatus includes: a steam jet nozzle (36), a nozzle holder (18) to which the steam jet nozzle (36) is attached; a steam feed pipe (17), nozzle coupling means (14a, 14b, 14c) capable of coupling the steam jet nozzle (36) attached to the nozzle holder (18) to the steam feed pipe (17), and nozzle discard means (12b, 12c, 12d, 18c) capable of detaching from the nozzle holder (18) the steam jet nozzle (36) attached to the nozzle holder (18) and discarding the nozzle. The nozzle discard means detaches from the nozzle holder (18) the steam jet nozzle (36) attached to the nozzle holder (18) and discards the nozzle after releasing the coupling between the steam jet nozzle (36) attached to the nozzle holder (18) and the steam feed pipe (17).

Inventors

KANUMA YOSHIHIKO

SHIOYA MORIHISA

KUSAKABE KATSUHIKO

TAMURA MISAO

Latest standardized assignees - inventors removed

SANDEN

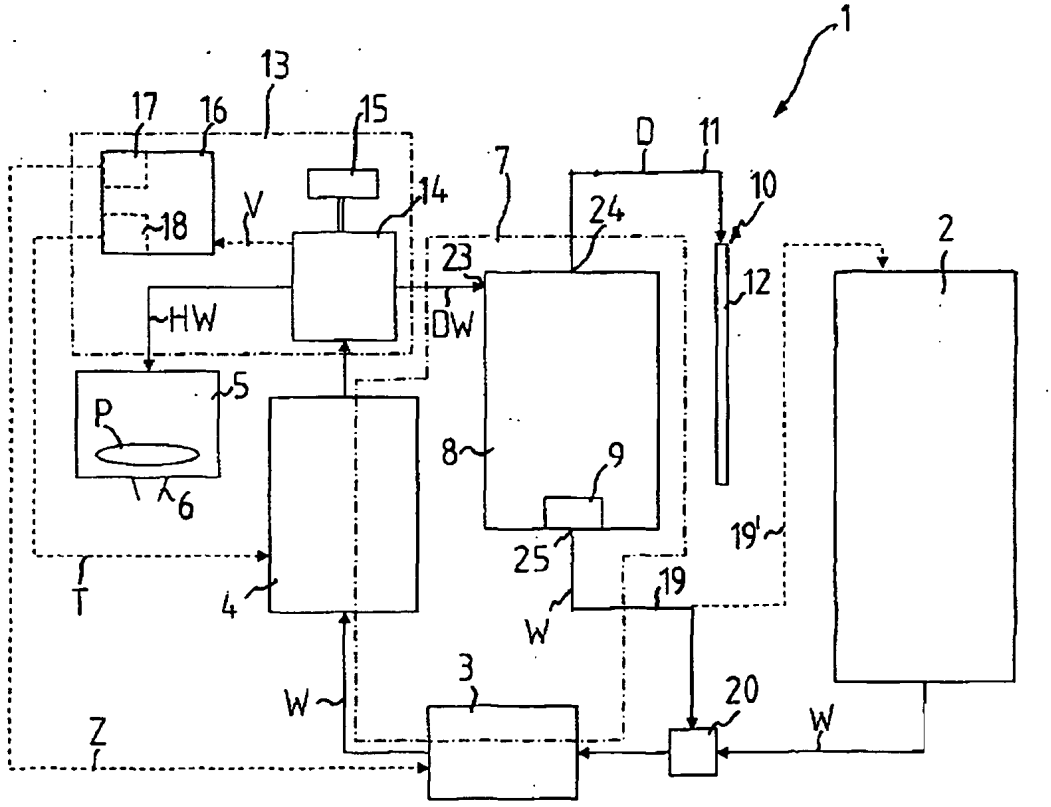
Family 145/200 - FAMPAT - ©Questel

Title

(EP1833337)

Coffee machine

Images



Publication data including kind & date

DE502005011012	D1	2011-04-07	DE502005011012
AT499026	T	2011-03-15	ATE499026
EP1833337	B1	2011-02-23	EP1833337
US20080041235	A1	2008-02-21	US20080041235
CN101090658	A	2007-12-19	CN101090658
EP1833337	A1	2007-09-19	EP1833337
DE102004062746	A1	2006-07-06	DE102004062746
WO2006/069813	A1	2006-07-06	WO200669813

Abstract

(EP1833337)

The invention relates to a coffee machine (1) which comprises a heating device (3, 4) for heating water, a brewing chamber (5) for accommodating a coffee pad (P) to which water (HW) heated by the heating device (3, 4) is supplied in order for the coffee pad (P) accommodated in the brewing chamber (5) to develop its flavor, an outlet (6) for the coffee so produced and a steam generator (7) with a steam outlet (10) for providing steam (7).

Inventors

KRAMER SIEGMUND

OSTERMAIER ALBERT

Latest standardized assignees - inventors removed

BSH HAUSGERAETE

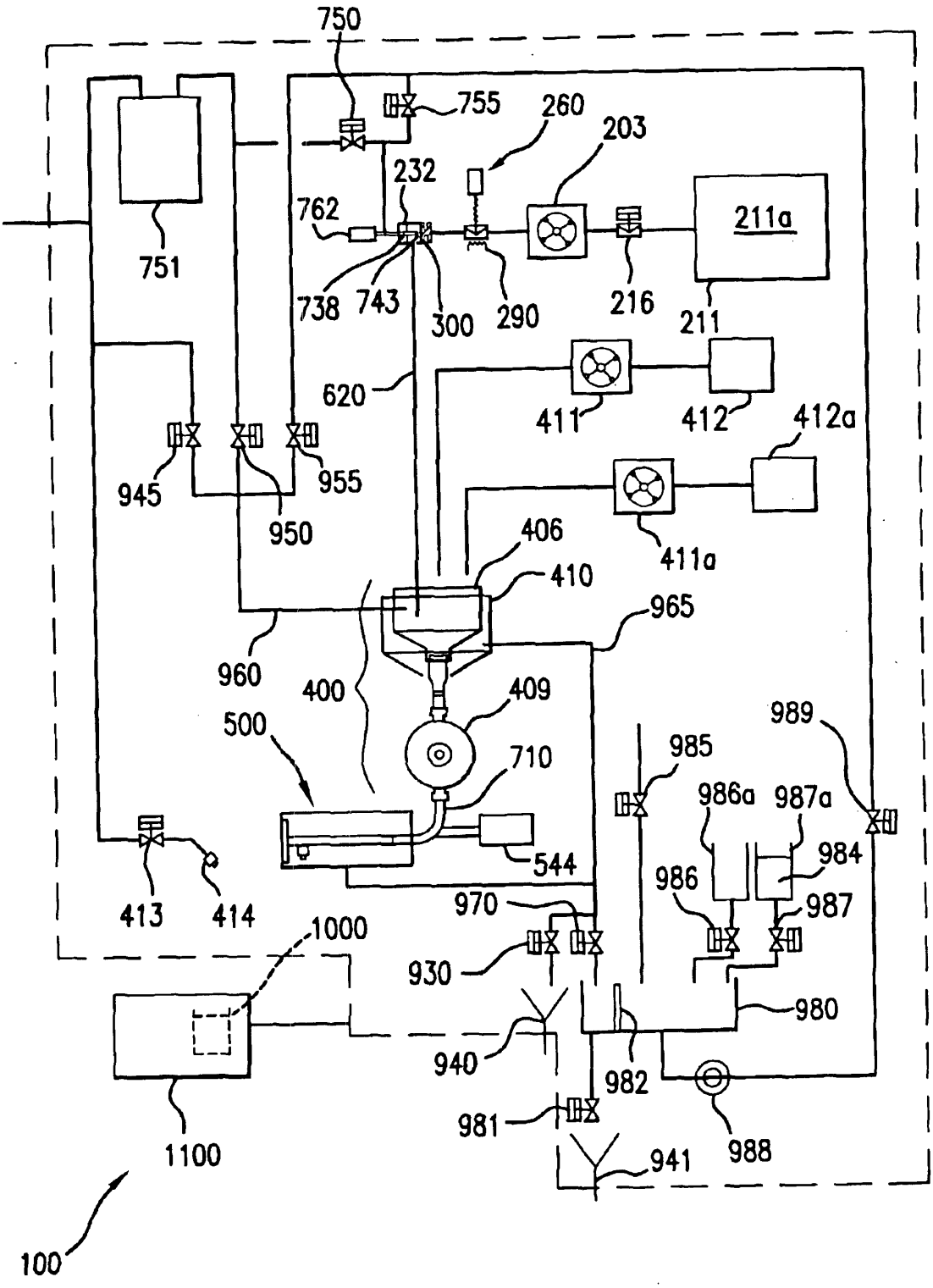
Family 146/200 - FAMPAT - ©Questel

Title

(EP1578234)

Clean-in-place automated food or beverage dispenser

Images



Publication data including kind & date

HK1119547	A1	2012-09-21	HK1119547
ES2385817	T3	2012-08-01	ES2385817
AT552758	T	2012-04-15	ATE552758
EP1894501	B1	2012-04-11	EP1894501

CA2507737	C	2011-07-19	CA2507737
CA2511181	C	2011-06-21	CA2511181
US7857910	B2	2010-12-28	US7857910
TWI332393	B	2010-11-01	TWI332393
TWI331910	B	2010-10-21	TWI331910
JP4589729	B2	2010-09-17	JP4589729
JP4528133	B2	2010-06-11	JP4528133
TWI322678	B	2010-04-01	TWI322678
TW200938141	A	2009-09-16	TW200938141
AU2003289982	B2	2009-07-23	AU2003289982
AU2003293800	B2	2009-07-23	AU2003293800
HK1081416	A1	2009-06-19	HK1081416
CN100490718	C	2009-05-27	CN100490718C
ES2318188	T3	2009-05-01	ES2318188
DE60326006	D1	2009-03-12	DE60326006
AT421272	T	2009-02-15	ATE421272
MY137370	A	2009-01-30	MY-137370
EP1578235	B1	2009-01-21	EP1578235
CN100444774	C	2008-12-24	CN100444774C
EP1894501	A3	2008-10-15	EP1894501
US7401613	B2	2008-07-22	US7401613
MY135638	A	2008-05-30	MY-135638
EP1894501	A2	2008-03-05	EP1894501
MY135139	A	2008-02-29	MY-135139
US7325485	B2	2008-02-05	US7325485
JP2006516109	A	2006-06-22	JP2006516109
MXPA05006710	A	2006-05-25	MX2005PA006710
JP2006512642	A	2006-04-13	JP2006512642
CN1731947	A	2006-02-08	CN1731947
CN1731948	A	2006-02-08	CN1731948
PL377073	A1	2006-01-23	PL2003377073
PL377074	A1	2006-01-23	PL2003377074
EP1578234	A1	2005-09-28	EP1578234
EP1578235	A1	2005-09-28	EP1578235
KR20050088473	A	2005-09-06	KR20050088473
KR20050088474	A	2005-09-06	KR20050088474
MXPA05006840	A	2005-08-16	MX2005PA006840
US20050115597	A1	2005-06-02	US20050115597
US20050098575	A1	2005-05-12	US20050098575
US6889603	B2	2005-05-10	US6889603
TW200420259	A	2004-10-16	TW200420259
US20040194811	A1	2004-10-07	US20040194811
TW200418418	A	2004-10-01	TW200418418
AU2003289982	A1	2004-07-22	AU2003289982
AU2003293800	A1	2004-07-22	AU2003293800
CA2507737	A1	2004-07-15	CA2507737
CA2511181	A1	2004-07-15	CA2511181
WO2004/058019	A1	2004-07-15	WO200458019

WO2004/058020	A1	2004-07-15	WO200458020
US20040118291	A1	2004-06-24	US20040118291

Abstract

(EP1578234)

The invention relates to an automated food product dispenser (100) comprising an interface connection (233) configured to establish a supply of a milk-based fluid (211a) from a reservoir (211)for example, a container or a bag), a mixing device (400) configured to receive the milk-based fluid (211a) and prepare a milk based product, a nozzle (500) in fluid association with the mixing device (400) for dispensing the milk based product, a product flowpath (600) configured for directing the milk based product to flow from the interface connection (233) through the mixing device (400) to the nozzle (500), and a clean-in-place flowpath assembly (700) located in the dispenser (100) and comprising a supply (987a) of cleaning or sanitizing fluid and a flowpath (800) which is configured to deliver the cleaning or sanitizing fluid to or through the product flowpath (600). The invention also relates to a method of using and machine readable program for controlling the automated food product dispenser (100) of the invention.

Inventors

CARHUFF PETER
MASU TAKESHI
CLYDE GENE FRANK
DICKINSON EDWARD L
HARVEY ANDREW C
KOLVEK EDWARD M
LAGO MICHAEL

Latest standardized assignees - inventors removed

NESTEC

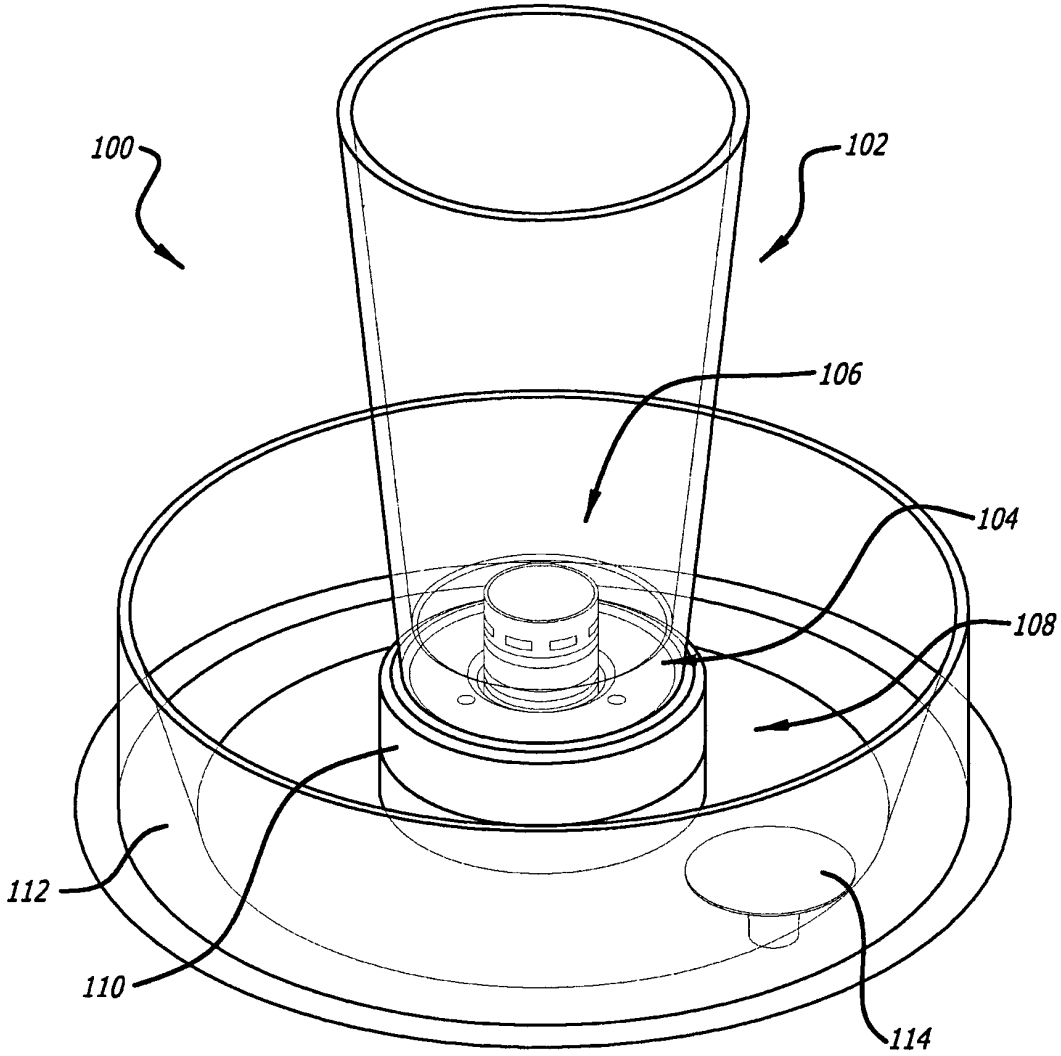
Family 147/200 - FAMPAT - ©Questel

Title

(EP3257758)

Fluid container and method of manufacturing a drinking container

Images



Publication data including kind & date

BRPI0919702	A1	2019-08-27	BRPI0919702
RU2686615	C2	2019-04-29	RU2686615
RU2015125892	A3	2019-02-06	RU2015125892
EP3257758	A1	2017-12-20	EP3257758
JP6177855	B2	2017-08-09	JP6177855
ES2627766	T3	2017-07-31	ES2627766
CN104905631	B	2017-07-11	CN104905631B
US9694931	B2	2017-07-04	US9694931
US9663264	B2	2017-05-30	US9663264
CN104118587	B	2017-04-12	CN104118587B
EP2957504	B1	2017-04-05	EP2957504
HK1153988	A1	2017-03-31	HK1153988
RU2015125892	A	2017-01-10	RU2015125892
ES2586053	T3	2016-10-11	ES2586053
CA2723979	C	2016-07-19	CA2723979
US20160194105	A1	2016-07-07	US20160194105
JP2016064873	A	2016-04-28	JP2016064873
EP2285687	B1	2016-03-16	EP2285687
US9284174	B2	2016-03-15	US9284174
EP2957504	A1	2015-12-23	EP2957504

CN104905631	A	2015-09-16	CN104905631
RU2559946	C2	2015-08-20	RU2559946
CN102099251	B	2015-07-01	CN102099251B
RU2013146403	A	2015-04-27	RU2013146403
CN104118587	A	2014-10-29	CN104118587
EP2285687	A4	2014-10-15	EP2285687
NZ621685	A	2014-07-25	NZ-621685
US8777182	B2	2014-07-15	US8777182
US8763655	B2	2014-07-01	US8763655
US20140166524	A1	2014-06-19	US20140166524
NZ604017	A	2014-03-28	NZ-604017
JP2014040277	A	2014-03-06	JP2014040277
RU2504504	C2	2014-01-20	RU2504504
JP5415527	B2	2013-11-22	JP5415527
US20130118639	A1	2013-05-16	US20130118639
NZ598817	A	2013-02-22	NZ-598817
RU2011103071	A	2012-08-10	RU2011103071
NZ589747	A	2012-04-27	NZ-589747
AU2009249194	B2	2012-03-15	AU2009249194
BRPI0919702	A2	2011-11-29	BR200919702
JP2011520566	A	2011-07-21	JP2011520566
CN102099251	A	2011-06-15	CN102099251
US20110121020	A1	2011-05-26	US20110121020
US20110061764	A1	2011-03-17	US20110061764
EP2285687	A1	2011-02-23	EP2285687
AU2009249194	A1	2009-11-26	AU2009249194
CA2723979	A1	2009-11-26	CA2723979
CA2924043	A1	2009-11-26	CA2924043
WO2009/143164	A1	2009-11-26	WO2009143164

Abstract

(EP3257758)

There is provided a fluid container, comprising: an opening in a bottom surface thereof; and a coupling device in contact with the bottom surface of the fluid container around the opening, the coupling device comprising: a first component in contact with the bottom surface of the fluid container around the opening; the first component including a magnetic material and a second component in contact with the first component in a fluid-tight closed configuration, the second component including a magnetic material, the coupling device biased in the fluid-tight closed configuration via magnetic attraction of the first component and the second component.

Inventors

SPRINGER JOSH

Latest standardized assignees - inventors removed

GRINON INDUSTRY

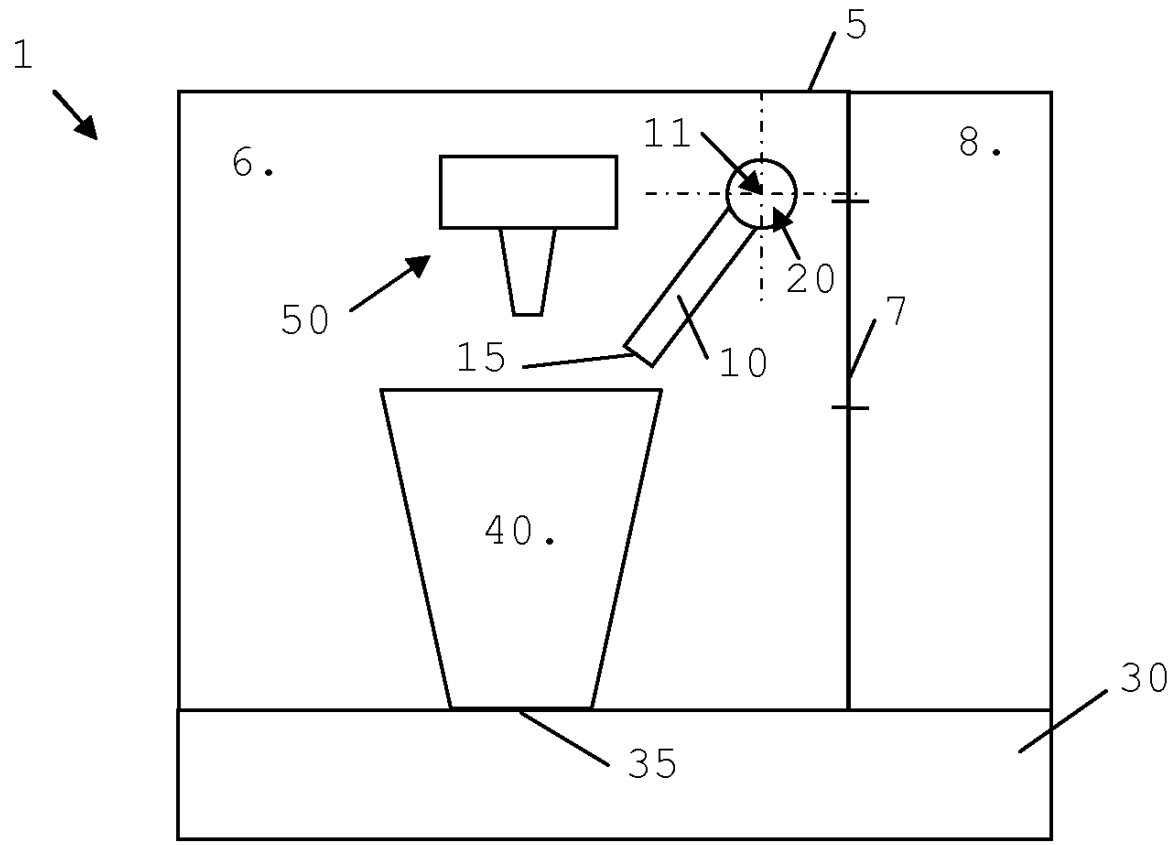
Family 148/200 - FAMPAT - ©Questel

Title

(EP2353473)

Beverage dispenser with hygienic cleaning cycle

Images



Publication data including kind & date

BR112012019355	A2	2018-05-08	BR112012019355
CN102753065	B	2016-06-15	CN102753065B
JP5889211	B2	2016-02-26	JP5889211
IN6346DEN2012	A	2015-10-02	IN2012DN06346
US9072406	B2	2015-07-07	US9072406
ES2532989	T3	2015-04-06	ES2532989
PT2531085	E	2015-03-09	PT2531085
AU2011212496	B2	2015-02-12	AU2011212496
EP2531085	B1	2015-01-21	EP2531085
RU2012137293	A	2014-03-20	RU2012137293
ZA201206549	B	2014-02-26	ZA201206549
BR112012019355	A1	2013-06-18	BR112012019355
JP2013518645	A	2013-05-23	JP2013518645
EP2531085	A1	2012-12-12	EP2531085
US20120305597	A1	2012-12-06	US20120305597
KR20120121900	A	2012-11-06	KR20120121900
CN102753065	A	2012-10-24	CN102753065
IL220727	A	2012-08-30	IL-220727
SG182352	A1	2012-08-30	SG-182352
MX2012008711	A	2012-08-17	MX2012008711
AU2011212496	A1	2012-08-02	AU2011212496
CA2786517	A1	2011-08-11	CA2786517
WO2011/095509	A1	2011-08-11	WO201195509
EP2353473	A1	2011-08-10	EP2353473

Abstract

(EP2353473)

A flavoured-beverage preparation machine (1) comprises: - a fluid circuit having a duct (10) that has an outlet (15) for dispensing a flavoured-beverage over a filling area (35) for user-receptacles (40); and - a cleaning arrangement for removing remnant flavoured-beverage from the duct by passing a clearing fluid through the duct and out of the duct via the outlet, The cleaning arrangement has: - means (300,400,450) for providing a gas under pressure; and - a configuration for passing such a gas as this clearing fluid under pressure through and out of the duct for evacuating remnant flavoured-beverage from the duct.

Inventors

LARZUL DAVID

PERETTI LIONEL

RITHENER BLAISE

Latest standardized assignees - inventors removed

NESTLE

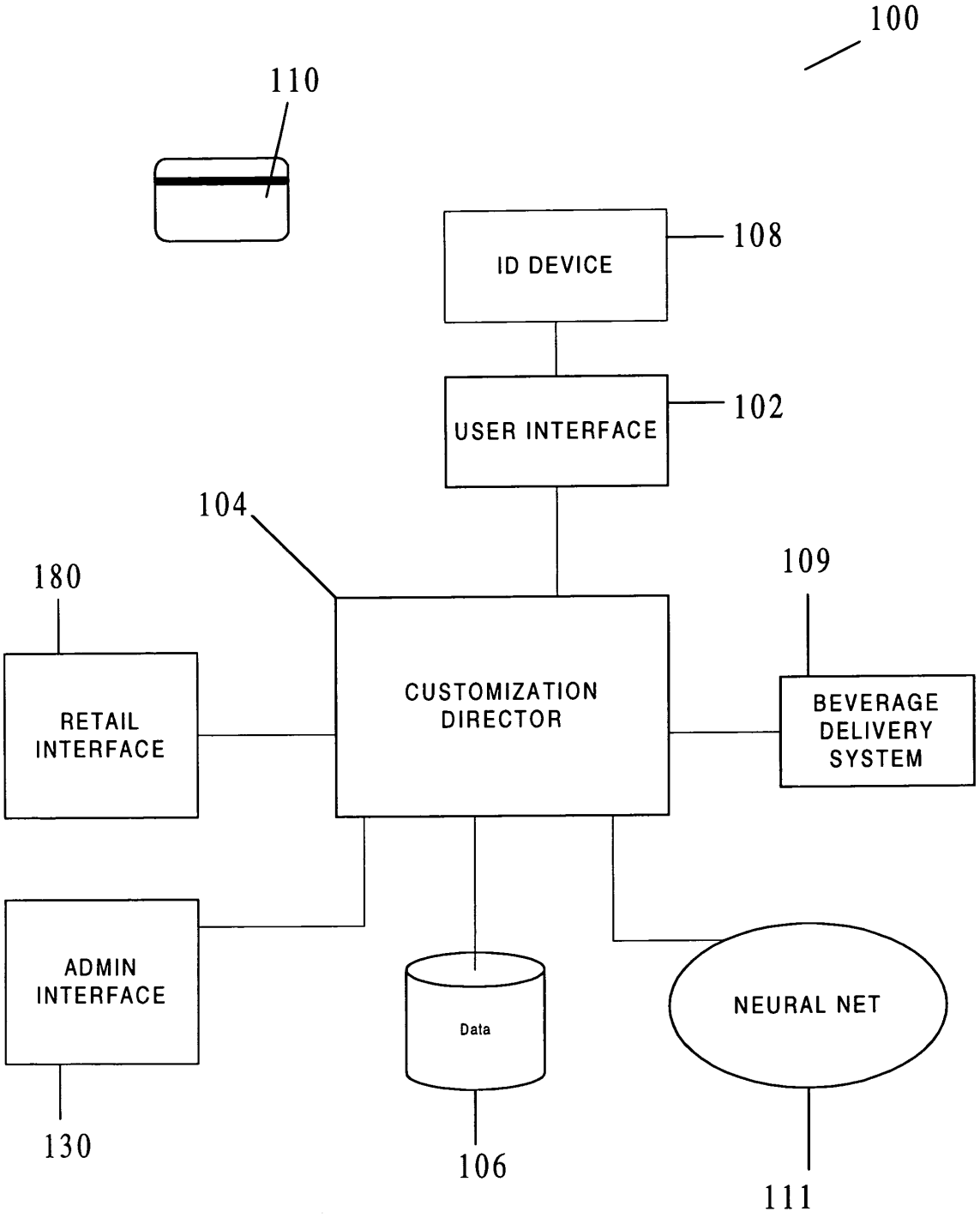
Family 149/200 - FAMPAT - ©Questel

Title

(EP1204351)

Methods and systems for utilizing delayed filtering to provide customized varieties of fresh-brewed coffee on-demand

Images



Publication data including kind & date

CA2829365	C	2015-08-11	CA2829365
US8062684	B2	2011-11-22	US8062684
BRPI0013242	A2	2011-11-16	BR200013242
BRPI0013253	A2	2011-11-16	BR200013253
BRPI0013238	A2	2009-07-28	BR200013238
US20090136632	A1	2009-05-28	US20090136632
US7455867	B1	2008-11-25	US7455867
CA2379406	C	2007-02-20	CA2379406
DE60011270	T2	2005-06-30	DE60011270
DE60011270	D1	2004-07-08	DE60011270
CN1507825	A	2004-06-30	CN1507825
AT268139	T	2004-06-15	ATE268139

EP1206206	B1	2004-06-02	EP1206206
CN1494854	A	2004-05-12	CN1494854
WO01/12038	A8	2003-10-23	WO200112038
MXPA02001622	A	2003-10-14	MX2002PA001622
JP2003506107	A	2003-02-18	JP2003506107
JP2003506180	A	2003-02-18	JP2003506180
JP2003506181	A	2003-02-18	JP2003506181
CN1379636	A	2002-11-13	CN1379636
CN1378431	A	2002-11-06	CN1378431
CN1378432	A	2002-11-06	CN1378432
WO01/12038	A9	2002-09-12	WO200112038
BR0013253	A	2002-08-13	BR200013253
BRPI0013253	A1	2002-08-13	BR200013253
MXPA02001620	A	2002-07-02	MX2002PA001620
MXPA02001621	A	2002-07-02	MX2002PA001621
EP1206206	A2	2002-05-22	EP1206206
EP1204351	A2	2002-05-15	EP1204351
EP1204355	A2	2002-05-15	EP1204355
BR0013238	A	2002-04-23	BR200013238
BR0013242	A	2002-04-23	BR200013242
BRPI0013238	A1	2002-04-23	BRPI0013238
BRPI0013242	A1	2002-04-23	BRPI0013242
WO01/12038	A3	2001-12-13	WO200112038
WO01/12033	A3	2001-11-22	WO200112033
WO01/12034	A3	2001-11-22	WO200112034
AU6641100	A	2001-03-13	AU200066411
AU6642500	A	2001-03-13	AU200066425
AU6905700	A	2001-03-13	AU200069057
CA2379406	A1	2001-02-22	CA2379406
CA2379407	A1	2001-02-22	CA2379407
CA2380963	A1	2001-02-22	CA2380963
CA2829365	A1	2001-02-22	CA2829365
WO01/12033	A2	2001-02-22	WO200112033
WO01/12034	A2	2001-02-22	WO200112034
WO01/12038	A2	2001-02-22	WO200112038

Abstract

(EP1204351)

An improved system for providing an individually customized fresh brewed coffee beverage on demand by a consumer, in a wide range of variety and strength. Said brewing system for making relatively large quantities of fresh brewed coffee beverages (in particular, customized as to desired variety, body, character and/or strengths), as chosen by multiple individual consumers just prior to their consumption. Said system is easy to use by the consumer or other individual (e.g., restaurant wait staff) obtaining the customized beverage. Further, maintenance of the equipment requires only a small amount of personal attention by the owner/operator of the equipment. "Delayed filtering" of an extract to provide a beverage brewing system which immediately (upon customer selection) provides selective filtering (based on individual consumer's selections) of a fresh-brewed coffee extract after the extract has been allowed to brew and held as an extract before filtering. It is also a general object of the present invention to utilize the extract to mix and dissolve other beverage compounds to make flavored coffees, cappuccinos, lattes, and the like.

Inventors

GUTWEIN ROGER WILLIAM

CONNOR CHRISTOPHER WARD

Latest standardized assignees - inventors removed

FOLGER COFFEE

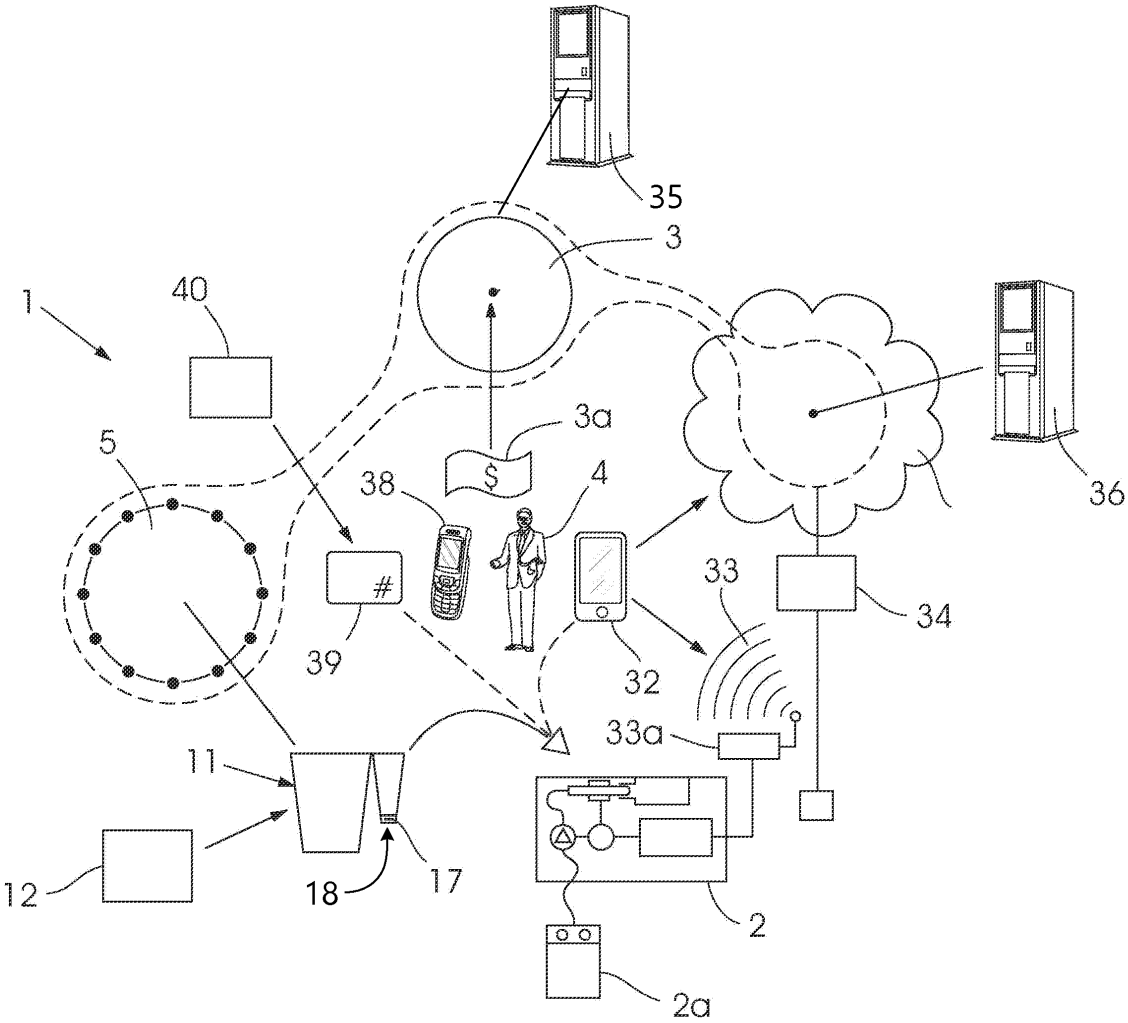
Family 150/200 - FAMPAT - ©Questel

Title

(EP2999659)

A beverage service system

Images



Publication data including kind & date

EP2999659	B1	2019-07-31	EP2999659
JP6491198	B2	2019-03-27	JP6491198
CA2943071	C	2019-01-29	CA2943071
AU2014269972	B2	2018-05-24	AU2014269972
ZA201504830	B	2017-08-30	ZA201504830
BR112015029179	A2	2017-07-25	BR112015029179
HK1223081	A1	2017-07-21	HK1223081
EP2999659	A4	2017-02-15	EP2999659
JP2016529576	A	2016-09-23	JP2016529576
IN11489/DELNP/2015	A	2016-05-06	IN2015DN11489
MX2015016122	A	2016-03-31	MX2015016122
US20160092851	A1	2016-03-31	US20160092851
EP2999659			

	A1	2016-03-30	EP2999659
CN105431373	A	2016-03-23	CN105431373
AU2014269972	A1	2016-01-21	AU2014269972
BR112015029179	A1	2015-12-15	BR112015029179
CA2943071	A1	2014-11-27	CA2943071
WO2014/188389	A1	2014-11-27	WO2014188389

Abstract

(EP2999659)

The invention provides a system for the service of a beverage to consumers (4) and particularly keg (2a) stored beverage to a crowd attendant at a large-scale event. The system comprises a payment facility (3) which loads credits for cup units of a beverage against a user profile (5). The facility is connected to an electronic platform which manages user profiles and profile credits. A near field communication (NFC) enabled device is linked to the user profile. A beverage dispensing (2) machine includes a computer processor (9) connected to a profile credit receipt circuit including at least one reader for mounted identification tags (17) and/or NFC devices. The system is programmed to: dispense a cup unit of a beverage into each of a plurality of cups on transmission to the credit receipt circuit of a request to redeem a cup credit; recognize an authorisation interaction associated with the request; and to deduct a commensurate number of credits from the relevant user profile.

Inventors

DE BERG HEWETT ROLAND WILLIAM

Latest standardized assignees - inventors removed

INVISIONARY HOLDINGS

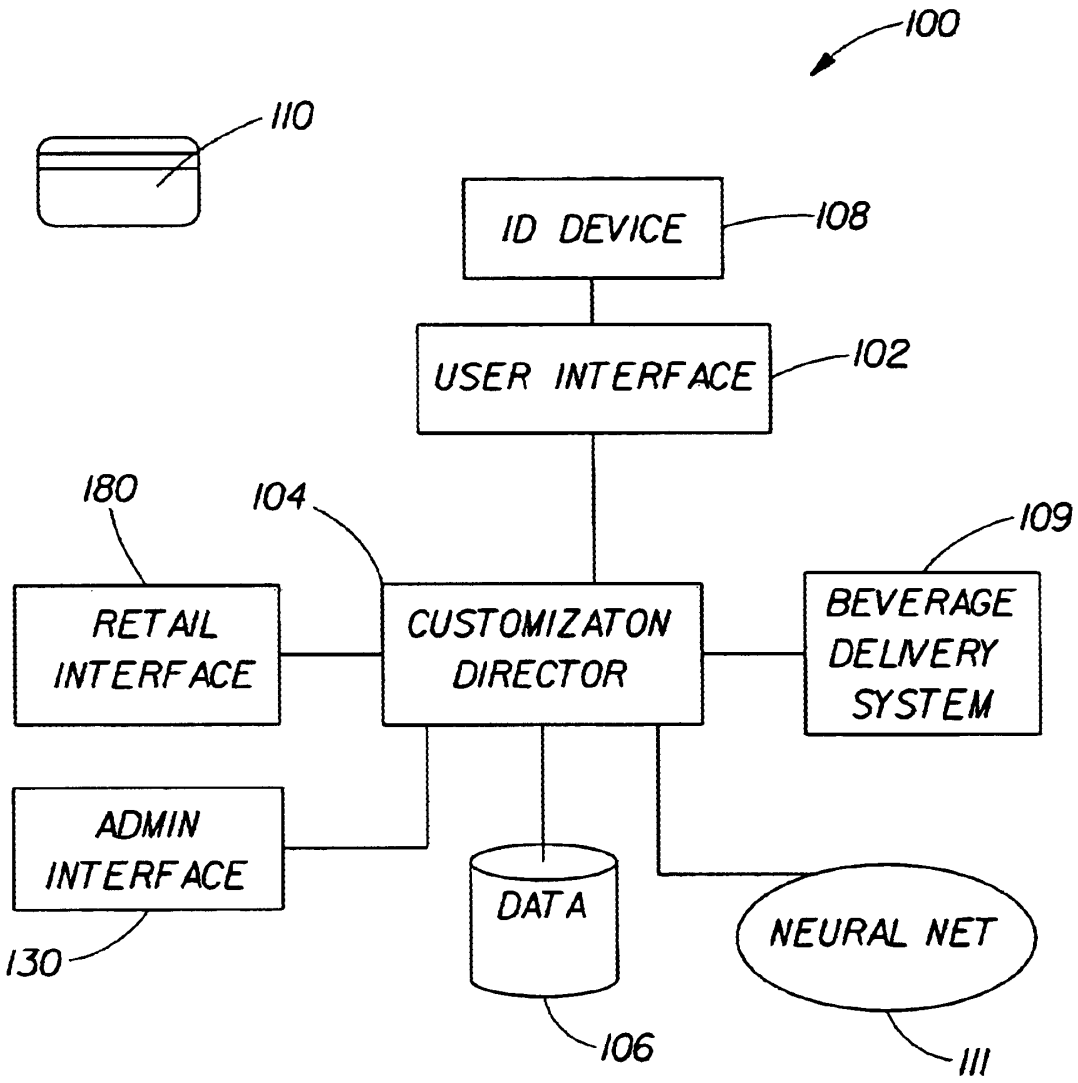
Family 151/200 - FAMPAT - ©Questel

Title

(EP1204350)

Methods and systems utilizing delayed mixing for providing customized beverages on demand

Images



Publication data including kind & date

ES2396691	T3	2013-02-25	ES2396691
EP1637055	B1	2012-10-03	EP1637055
BRPI0013148	A2	2011-11-16	BR200013148
BRPI0013240	A2	2011-11-16	BR200013240
US8003145	B2	2011-08-23	US8003145
EP1637055	A3	2010-05-05	EP1637055
BRPI0013254	A2	2009-07-28	BR200013254
US7438941	B2	2008-10-21	US7438941
US20060188620	A1	2006-08-24	US20060188620
DE60023196	T2	2006-07-13	DE60023196
CA2380439	C	2006-04-04	CA2380439
EP1637055	A2	2006-03-22	EP1637055
DE60023196	D1	2006-02-23	DE60023196
AT306702	T	2005-10-15	ATE306702
EP1371312	B1	2005-10-12	EP1371312
US20040202757	A1	2004-10-14	US20040202757
DE60006398	T2	2004-08-26	DE60006398
US6759072	B1	2004-07-06	US6759072
CN1504159	A	2004-06-16	CN1504159

EP1371312	A3	2004-03-31	EP1371312
EP1371312	A2	2003-12-17	EP1371312
DE60006398	D1	2003-12-11	DE60006398
AT253317	T	2003-11-15	ATE253317
EP1204352	B1	2003-11-05	EP1204352
JP2003506108	A	2003-02-18	JP2003506108
JP2003506183	A	2003-02-18	JP2003506183
JP2003506184	A	2003-02-18	JP2003506184
CN1379632	A	2002-11-13	CN1379632
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CN1379634	A	2002-11-13	CN1379634
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MXPA02001624	A	2002-07-02	MX2002PA001624
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BR0013240	A	2002-04-23	BR200013240
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BR0013254	A	2002-04-16	BR200013254
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WO01/12037	A3	2002-01-31	WO200112037
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WO01/12036	A3	2001-11-22	WO200112036
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AU6642600	A	2001-03-13	AU200066426
AU6773500	A	2001-03-13	AU200067735
CA2376591	A1	2001-02-22	CA2376591
CA2379501	A1	2001-02-22	CA2379501
CA2380439	A1	2001-02-22	CA2380439
WO01/12036	A2	2001-02-22	WO200112036
WO01/12037	A2	2001-02-22	WO200112037
WO01/12039	A2	2001-02-22	WO200112039



Abstract

(EP1204350)

System for making and delivering a customized beverage product to a consumer having a user interface (102), a customization director (104) in communication with a customization data store (106) and the user interface (102), wherein the customization director (104) includes executable instructions for determining a user's customized formulation; and a beverage delivery system (109) in communication with the customization director (109), wherein the beverage delivery system (109) includes executable instructions for delivering a customized beverage product. Method for delivering a customized beverage product to an individual including the steps of obtaining consumer preference data; determining a consumer beverage formulation corresponding to the consumer preference data; and providing the consumer a customized beverage corresponding to the customized beverage formulation, utilizing delayed mixing.

Inventors

GUTWEIN ROGER WILLIAM

CONNOR CHRISTOPHER WARD

Latest standardized assignees - inventors removed

PROCTER & GAMBLE

KNUDSEN JEANNETTE L

EKONOMON ADAM ESQ

FOLGER COFFEE

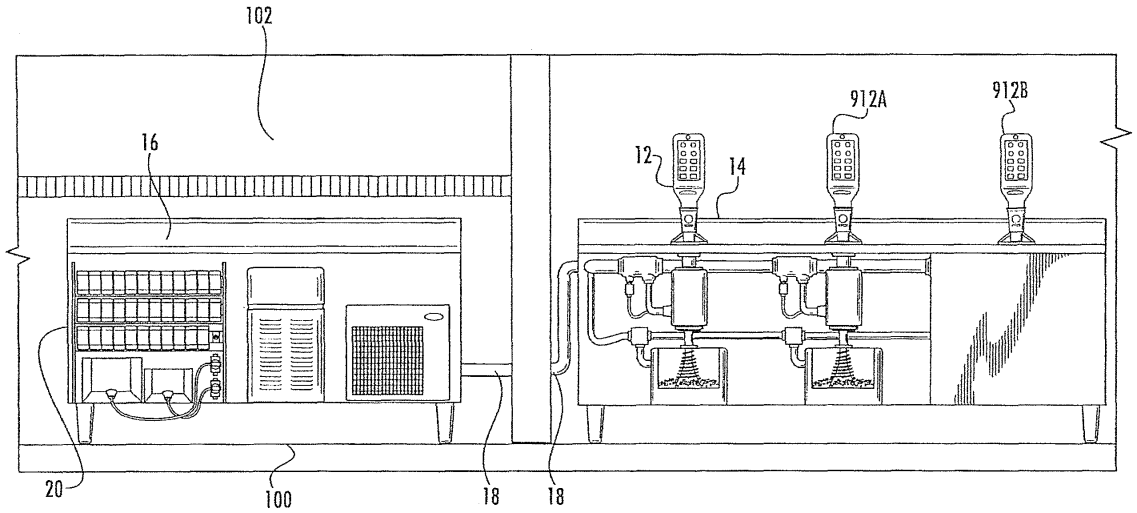
Family 152/200 - FAMPAT - ©Questel

Title

(EP3061722)

Multi-tower modular beverage dispensing system

Images



Publication data including kind & date

US10227226	B2	2019-03-12	US10227226
JP6383752	B2	2018-08-29	JP6383752
AU2016206335	B2	2018-03-08	AU2016206335
US20180044158	A1	2018-02-15	US20180044158
CA2837286	C	2017-11-07	CA2837286
RU2631176	C1	2017-09-19	RU2631176
US9764935	B2	2017-09-19	US9764935
NZ715989	A	2017-07-28	NZ-715989
AU2012259297	C1	2017-02-16	AU2012259297
PL2714577	T3	2017-01-31	PL2714577
ES2594410	T3	2016-12-20	ES2594410
MX344614	B	2016-12-20	MX-344614
BR112013030176	A2	2016-12-06	BR112013030176
EP3061722	A3	2016-11-16	EP3061722
EP3061722	A2	2016-08-31	EP3061722
CN103687800	B	2016-08-17	CN103687800B
AU2016206335	A1	2016-08-11	AU2016206335
JP2016137947	A	2016-08-04	JP2016137947
EP2714577	B1	2016-07-06	EP2714577
TH152878	A	2016-06-07	TH-152878
JP5937680	B2	2016-05-20	JP5937680
AU2012259297	B2	2016-04-21	AU2012259297

RU2580506	C2	2016-04-10	RU2580506
NZ618211	A	2016-03-31	NZ-618211
US20160060088	A1	2016-03-03	US20160060088
US9193575	B2	2015-11-24	US9193575
RU2013157953	A	2015-07-10	RU2013157953
IN2238/MUMNP/2013	A	2014-10-31	IN2013MN02238
US20140231455	A1	2014-08-21	US20140231455
JP2014519453	A	2014-08-14	JP2014519453
US8746506	B2	2014-06-10	US8746506
EP2714577	A1	2014-04-09	EP2714577
CN103687800	A	2014-03-26	CN103687800
MX2013013720	A	2014-02-27	MX2013013720
AU2012259297	A8	2014-01-09	AU2012259297
BR112013030176	A1	2014-01-07	BR112013030176
AU2012259297	A1	2012-11-29	AU2012259297
CA2837286	A1	2012-11-29	CA2837286
US20120298693	A1	2012-11-29	US20120298693
WO2012/161936	A1	2012-11-29	WO2012161936

Abstract

(EP3061722)

Multi-tower modular beverage dispensing system 10 comprising at least a first dispensing head 12 at a first counter 14, at least a second dispensing head 1012A at a second counter 114, the first and second counters remote from each other, a transfer unit 16 located remotely from the first counter and the second counter, piping 18 extending from the transfer unit to the first counter and the second counter, the transfer unit comprising a centralized ingredient system 20 having a plurality of beverage ingredient sources 22, the centralized ingredient system configured to supply beverage ingredients to the piping for the dispensing of a first beverage at the first counter and for the dispensing of a second beverage at the second counter, the piping comprising a main micro bundle 18, the main micro bundle comprising at least two separate beverage ingredient lines .

Inventors

JERSEY STEVEN T
SEGIET WILLIAM W
SIEGEL TOM
KALI EDDIE
BOGGS JOSEPH
BALSTAD ROBERT

Latest standardized assignees - inventors removed

PEPSICO

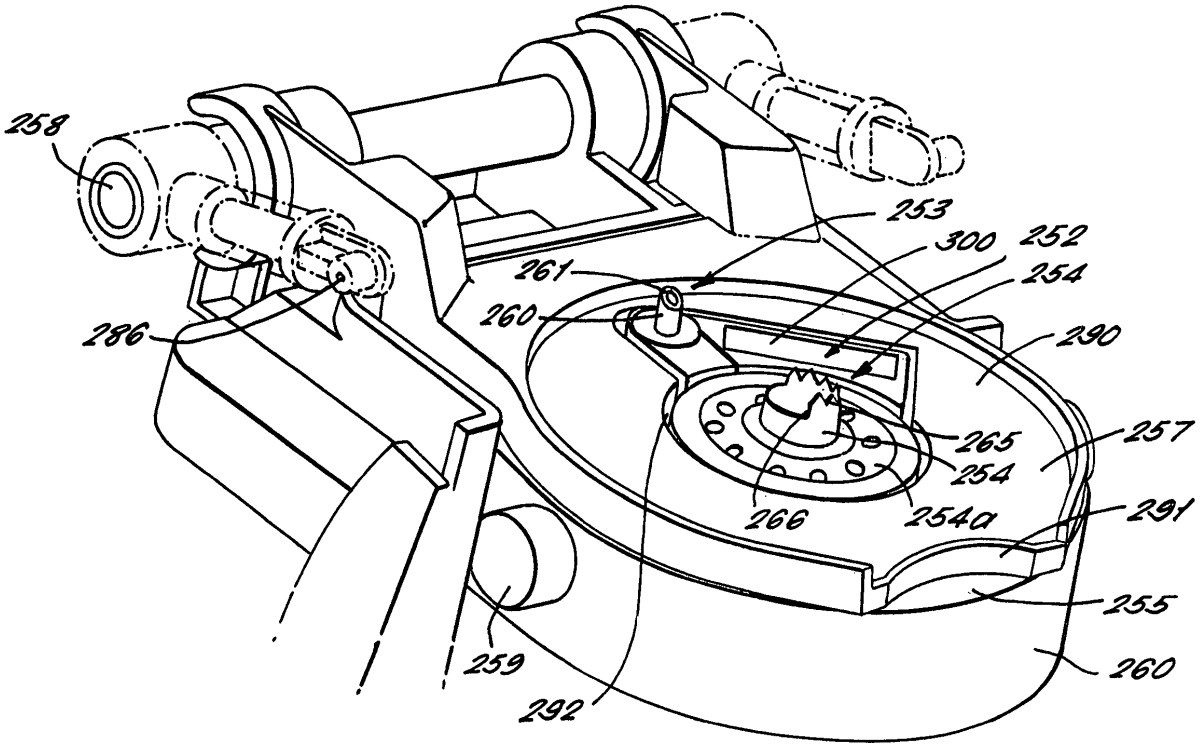
Family 153/200 - FAMPAT - ©Questel

Title

(EP1440640)

Machine for the preparation of beverages

Images



Publication data including kind & date

EP1440640	B9	2014-09-10	EP1440640
DE602004009718	T3	2014-08-14	DE602004009718
ES2295778	T5	2014-07-11	ES2295778
EP1440640	B2	2014-06-18	EP1440640
CA2773078	C	2013-08-13	CA2773078
BRPI0406892	A2	2012-05-22	BR200406892
CA2513891	C	2012-05-15	CA2513891
TWI352585	B	2011-11-21	TWI352585
KR101073804	B1	2011-10-13	KR101073804
HK1083301	A1	2010-03-19	HK1083301
EP1629752	B9	2010-03-10	EP1629752
CN100591253	C	2010-02-24	CN100591253C
PL204367	B1	2010-01-29	PL-204367
SI1629752	T1	2010-01-29	SI1629752T
ES2332098	T3	2010-01-26	ES2332098
US7607385	B2	2009-10-27	US7607385
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AT439783	T	2009-09-15	ATE439783
EP1629752	B1	2009-08-19	EP1629752
DE602004009718	T2	2008-08-28	DE602004009718
RU2331348	C2	2008-08-20	RU2331348
HK1065693	A1	2008-05-09	HK1065693
ES2295778	T3	2008-04-16	ES2295778
EP1629752	A3	2008-03-19	EP1629752
DK1440640	T3	2008-03-10	DK1440640T
DE602004009718	D1	2007-12-13	DE602004009718
AT376793	T	2007-11-15	ATE376793
EP1440640	B1	2007-10-31	EP1440640
JP2006517429	A	2006-07-27	JP2006517429

LT2005079	A	2006-07-25	LT200500079
RU2005126705	A	2006-06-10	RU2005126705
CN1780574	A	2006-05-31	CN1780574
EP1629752	A2	2006-03-01	EP1629752
PL377942	A1	2006-02-20	PL2004377942
BRPI0406892	A	2006-01-03	BR200406892
BRPI0406892	A1	2006-01-03	BRPI0406892
GB2397509	B	2005-11-23	GB2397509
KR20050105986	A	2005-11-08	KR20050105986
NO20053933	L	2005-10-21	NO20053933
MXPA05007864	A	2005-10-18	MX2005PA007864
GB2409965	B	2005-09-21	GB2409965
NO20053933	D0	2005-08-23	NO200503933
GB2409965	A	2005-07-20	GB2409965
AR042914	A1	2005-07-06	AR--42914
GB0505992	D0	2005-04-27	GB200505992
TW200509843	A	2005-03-16	TW200509843
PE10292004	A1	2004-12-30	PE200401029
US20040197444	A1	2004-10-07	US20040197444
AU2004206100	A1	2004-08-05	AU2004206100
CA2513891	A1	2004-08-05	CA2513891
CA2773078	A1	2004-08-05	CA2773078
WO2004/064585	A1	2004-08-05	WO200464585
EP1440640	A3	2004-08-04	EP1440640
EP1440640	A2	2004-07-28	EP1440640
GB2397509	A	2004-07-28	GB2397509
GB0301747	D0	2003-02-26	GB200301747

Abstract

(EP1440640)

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

Inventors

HALLIDAY ANDREW

BALLARD COLIN

PANESAR SATWINDER

SMITH DAVID

Latest standardized assignees - inventors removed

DOUWE EGBERTS

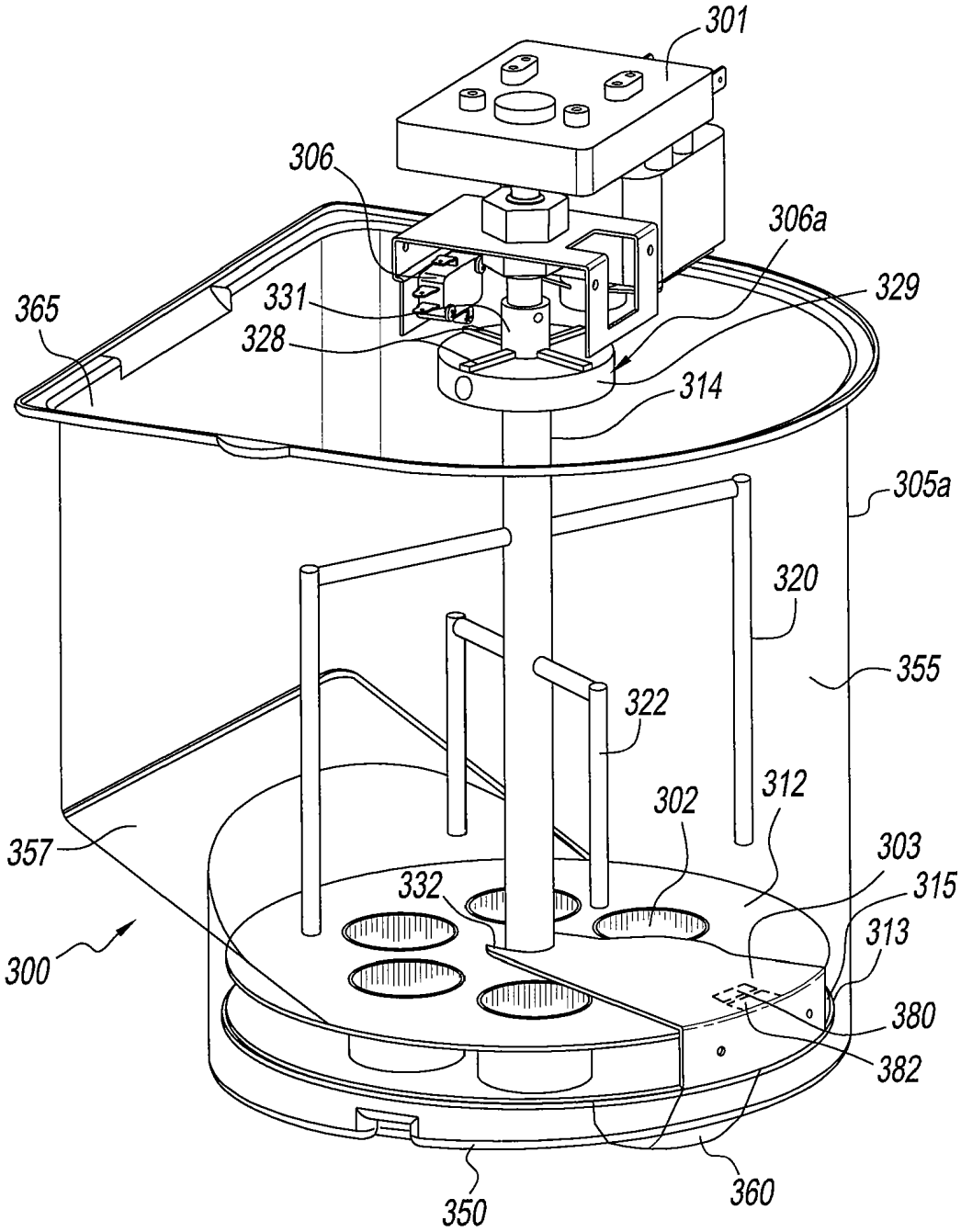
Family 154/200 - FAMPAT - ©Questel

Title

(EP2364492)

A controller and method of controlling an integrated system for dispensing and blending/mixing beverage ingredients

Images



Publication data including kind & date

CN102164504	B	2017-07-11	CN102164504B
EP2359260	B1	2017-06-21	EP2359260
KR101727758	B1	2017-04-17	KR101727758
EP2373572	B1	2017-02-22	EP2373572
CN102164843	B	2016-12-14	CN102164843B
BRPI0922228	A1	2016-11-08	BR200922228
CA2746226	C	2016-10-11	CA2746226
CA2746121	C	2016-09-13	CA2746121
BRPI0922231	A2	2016-06-21	BR200922231
US9364114	B2	2016-06-14	US9364114
CN102859559	B	2016-03-16	CN102859559B
JP5792628	B2	2015-08-14	JP5792628
BRPI0922227	A2	2015-08-11	BR200922227
BRPI0922229	A2	2015-08-11	BR200922229
ES2541951	T3	2015-07-28	ES2541951

CA2746224	C	2015-06-09	CA2746224
EP2355667	B1	2015-04-15	EP2355667
JP5680546	B2	2015-01-16	JP5680546
JP5662944	B2	2014-12-12	JP5662944
US8857667	B2	2014-10-14	US8857667
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US20140205726	A1	2014-07-24	US20140205726
JP5566398	B2	2014-06-27	JP5566398
US20140147564	A1	2014-05-29	US20140147564
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RU2011127987	A	2013-01-20	RU2011127987
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RU2011128012	A	2013-01-20	RU2011128012
RU2011128014	A	2013-01-20	RU2011128014
CN102859559	A	2013-01-02	CN102859559
US20120269936	A1	2012-10-25	US20120269936
EP2359260	A4	2012-10-03	EP2359260
EP2364492	A4	2012-10-03	EP2364492
EP2378893	A4	2012-10-03	EP2378893
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EP2355667	A4	2012-08-22	EP2355667
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JP2012511220	A	2012-05-17	JP2012511220
IN1345/MUMNP/2011	A	2012-01-13	IN2011MN01345
IN1352/MUMNP/2011	A	2012-01-13	IN2011MN01352

IN1387/MUMNP/2011	A	2012-01-13	IN2011MN01387
IN1343/MUMNP/2011	A	2012-01-06	IN2011MN01343
US8074837	B2	2011-12-13	US8074837
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EP2373572	A1	2011-10-12	EP2373572
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CN102164842	A	2011-08-24	CN102164842
CN102164843	A	2011-08-24	CN102164843
CN102165277	A	2011-08-24	CN102165277
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MX2011006069	A	2011-06-24	MX2011006069
MX2011006074	A	2011-06-24	MX2011006074
MX2011006111	A	2011-06-24	MX2011006111
MX2011006112	A	2011-06-24	MX2011006112
MX2011006083	A	2011-06-22	MX2011006083
WO2011/071606	A1	2011-06-16	WO201171606
US20100323071	A1	2010-12-23	US20100323071
US20100314407	A1	2010-12-16	US20100314407
US20100314410	A1	2010-12-16	US20100314410
US20100318225	A1	2010-12-16	US20100318225
CA2746056	A1	2010-07-08	CA2746056
CA2746059	A1	2010-07-08	CA2746059
CA2746224	A1	2010-07-08	CA2746224
CA2746226	A1	2010-07-08	CA2746226
WO2010/077696	A1	2010-07-08	WO201077696
WO2010/077697	A1	2010-07-08	WO201077697
WO2010/077698	A1	2010-07-08	WO201077698
WO2010/077699	A1	2010-07-08	WO201077699
WO2010/077700	A1	2010-07-08	WO201077700
CA2746121	A1	2010-06-17	CA2746121
WO2010/068638	A1	2010-06-17	WO201068638
US20100139493	A1	2010-06-10	US20100139493
US20100145522	A1	2010-06-10	US20100145522

Abstract

(EP2364492)

A controller and method of controlling an integrated beverage blending system comprising: a controller for menu selection; an ice portion control module; an ingredient module; a dispensing apparatus in communication with the ice portion control module and the ingredient module, wherein the ice and the ingredient are dispensed into a beverage container via the dispensing apparatus; and at least one blender/mixer/cleaner module which blends and/or mixes the ice and the ingredient in the beverage container, thereby producing the beverage; wherein, upon removal of the beverage container from the blender/mixer/cleaner module, the blender/mixer/cleaner module initiates a cleaning mode.

Inventors

CLAESSON JAN
SMITH WILLIAM E
NEVAREZ ROBERTO

Latest standardized assignees - inventors removed

MANITOWOC

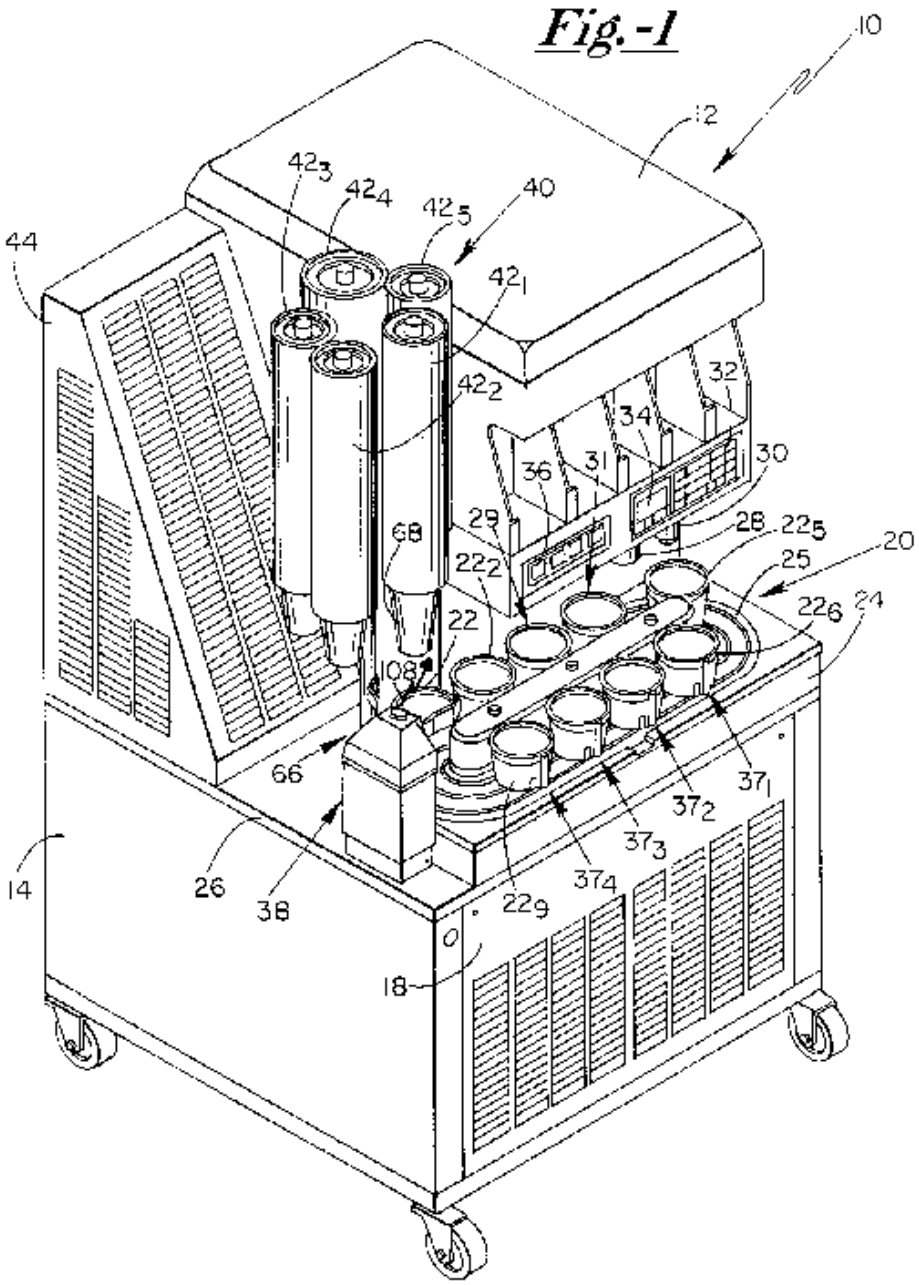
Family 155/200 - FAMPAT - ©Questel

Title

(EP1042214)

Automated beverage system

Images



Publication data including kind & date

JP5508063	B2	2014-03-28	JP5508063
JP2010163211	A	2010-07-29	JP2010163211
JP4537575	B2	2010-06-25	JP4537575
KR100538037	B1	2005-12-21	KR100538037
DE69824977	T2	2005-07-14	DE69824977
DE69824209	T2	2005-05-25	DE69824209
ES2223719	T3	2005-03-01	ES2223719
BRPI9814390	B1	2005-02-15	BR9814390
ES2222305	T3	2005-02-01	ES2222305
DE69824977	D1	2004-08-12	DE69824977

EP1207131	B1	2004-07-07	EP1207131
DE69824209	D1	2004-07-01	DE69824209
EP1199279	B1	2004-05-26	EP1199279
CA2315937	C	2004-04-06	CA2315937
HK1033751	A1	2003-12-24	HK1033751
ES2196647	T3	2003-12-16	ES2196647
DE69813020	T2	2003-11-27	DE69813020
DE69813020	D1	2003-05-08	DE69813020
CN1107639	C	2003-05-07	CN1107639C
EP1042214	B1	2003-04-02	EP1042214
EP1199279	A3	2002-08-21	EP1199279
EP1207131	A1	2002-05-22	EP1207131
EP1199279	A2	2002-04-24	EP1199279
AU745372	B2	2002-03-21	AU-745372
JP2001526159	A	2001-12-18	JP2001526159
KR20010033445	A	2001-04-25	KR20010033445
CN1283163	A	2001-02-07	CN1283163
BR9814390	A	2000-12-19	BR9814390
BRPI9814390	A1	2000-12-19	BRPI9814390
EP1042214	A2	2000-10-11	EP1042214
US6102246	A	2000-08-15	US6102246
US6053359	A	2000-04-25	US6053359
WO99/32392	A3	1999-09-02	WO9932392
AU2009399	A	1999-07-12	AU9920093
CA2315937	A1	1999-07-01	CA2315937
WO99/32392	A2	1999-07-01	WO9932392

Abstract

(EP1042214)

An automated system for preparing and delivering postmix beverages in response to one or more drink orders being entered from a remote point of sale unit or a local keypad and including: a postmix beverage preparation assembly for dispensing ice and a selected postmix beverage into a cup; an oblong carousel type conveyor assembly including a plurality of upwardly open cup holders which are driven by a motor driven belt so as to pass beneath a cup dispensing station, an ice dispensing station, a beverage dispensing station, and a plurality of pick-up stations; a cup storage and dispenser assembly including a bidirectionally rotatable turret upon which is mounted a plurality of different sized cup supply tubes for holding a respective stack of beverage cups; and a pneumatic vertically driven cup gripper/extractor mechanism having a pair of pneumatically operated gripper arms which operate to remove a cup from a selected supply tube on the turret and placing the extracted cup into a empty cup holder which is then transported past the dispensing stations and then to a pick-up station on the conveyor for manual removal by an attendant.

Inventors

GOULET DOUGLAS P
ZIESEL LAWRENCE B
WEINAUG KENNETH S
COFFEY JIMMIE L

Latest standardized assignees - inventors removed

RESTAURANT TECHNOLOGY

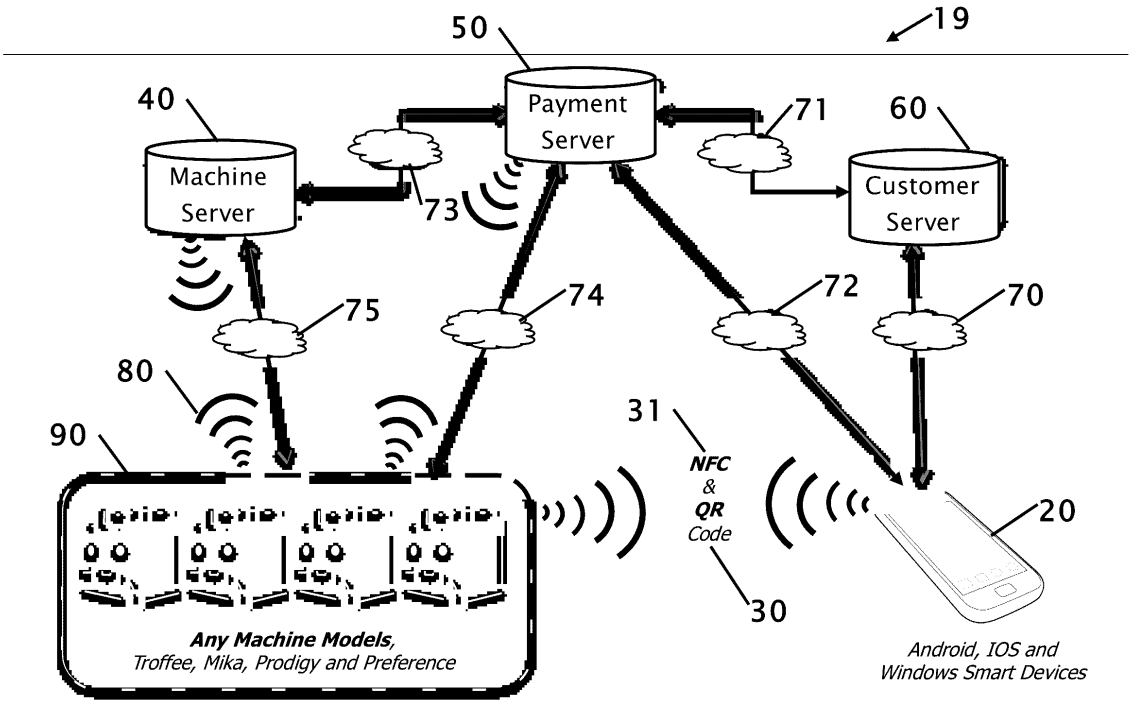
Family 156/200 - FAMPAT - ©Questel

Title

(US20170099981)

Callisto integrated tablet computer in hot and cold dispensing machine

Images



Publication data including kind & date

US20170099981 A1 2017-04-13 US20170099981

Abstract

(US20170099981)

Improvements a hot and cold dispensing machine is disclosed. The machine includes creating a family of smart coffee dispensing machine that is connected 24/7 to the cloud. The machines are controllable also by mobile app that use QR code via built in cam or an external reader and/or NFC technology to transfer data and establish communication and execute payments. The android based computer will be used to run the machine as well as to offer all the facilities of a computer or a fully functional tablet like but not limited to: executing commands and dispensing recipes, creating, deleting and editing profiles, change the system settings, connection to the internet, access to social media networks, playing publicity, registering audio/video messages, reading boarding pass codes used in airlines companies for identifying the user and communicating with Smart App via QR Code and/or NFC.

Inventors

HAIDAR MICHEL ABOU

FEGHALI EDDIE E

Latest standardized assignees - inventors removed

T FLIP

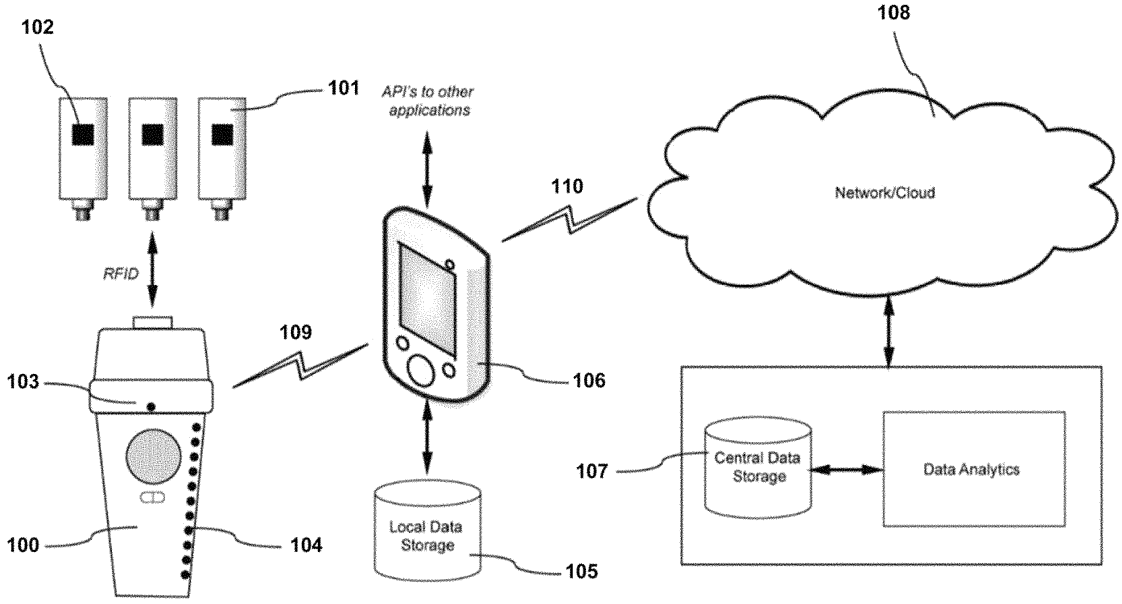
Family 157/200 - FAMPAT - ©Questel

Title

(WO2016201305)

Method and apparatus for dispensing controlled quantities of additives into a beverage

Images



Publication data including kind & date

US20190208948	A1	2019-07-11	US20190208948
US10231567	B2	2019-03-19	US10231567
US20180344070	A1	2018-12-06	US20180344070
US20170156540	A1	2017-06-08	US20170156540
WO2016/201305	A1	2016-12-15	WO2016201305

Abstract

(WO2016/201305)
Portable, self-contained beverage apparatus 100 which includes a container assembly 100 having a known storage capacity for storing a consumable liquid, and a dispensing assembly 113 disposed within the container assembly that dispenses variable, non-zero quantities of additives into the consumable liquid. The dispensing assembly includes multiple apertures structured and arranged to retain vessels containing the additives to be dispensed into the consumable liquid. The beverage apparatus also includes a level sensor 104 disposed within the container assembly that determines a consumable liquid level of the consumable liquid stored in the container assembly 100.

Inventors

WHEATLEY MAXIM D
WHEATLEY DAVID J
PERRELLI JONATHON E
METLEN TODD
BACON CONNOR J

Latest standardized assignees - inventors removed

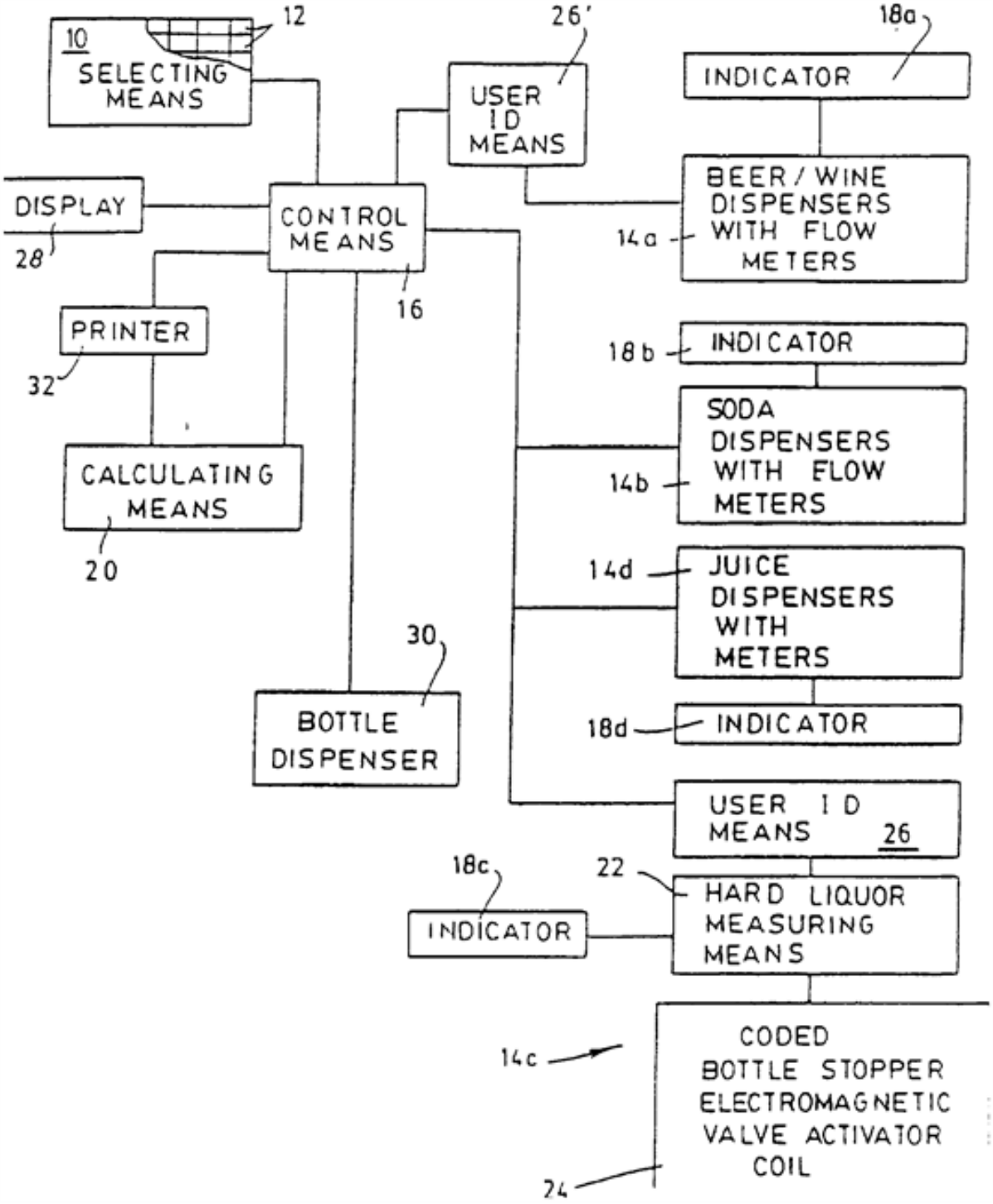
LIFEFUELS

Family 158/200 - FAMPAT - ©Questel

Title

(EP-643667)
Beverage dispensing system for a bar

Images



Publication data including kind & date

CA2135904	C	1999-04-20	CA2135904
DE69308606	T2	1997-06-26	DE69308606
ES2098994	T3	1997-05-01	ES2098994
DE69308606	D1	1997-04-10	DE69308606
EP0680927	B1	1997-03-05	EP-680927
DE69302174	T2	1996-08-22	DE69302174
ES2085782	T3	1996-06-01	ES2085782
DE69302174	D1	1996-05-15	DE69302174
EP0643667	B1	1996-04-10	EP-643667
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EP0643667	A1	1995-03-22	EP-643667
WO93/25466	A3	1994-01-20	WO9325466
AU4303693	A	1994-01-04	AU9343036

CA2135904	A1	1993-12-23	CA2135904
WO93/25466	A2	1993-12-23	WO9325466

Abstract

(EP0643667)

An input device (10) is provided for selecting a mixed beverage, in response to which a plurality of individual manually operated beverage dispensers (14) will dispense predetermined quantities of the beverages to make up a selected mix. Indicators (18) can also be used to inform the bartender that the dispenser is preset to measure the predetermined quantity. A calculating system (20) may be used to calculate the value of the consumption of the beverages, based on measured quantity and the kind of mixed beverage in which the various beverages are used. The system includes an improved bottle dispenser, electromagnetic valve bottle stopper code identifier, and anti-tamper circuit for use with the coded bottle stopper.

Inventors

SIMARD GILBERT

Latest standardized assignees - inventors removed

AZBAR

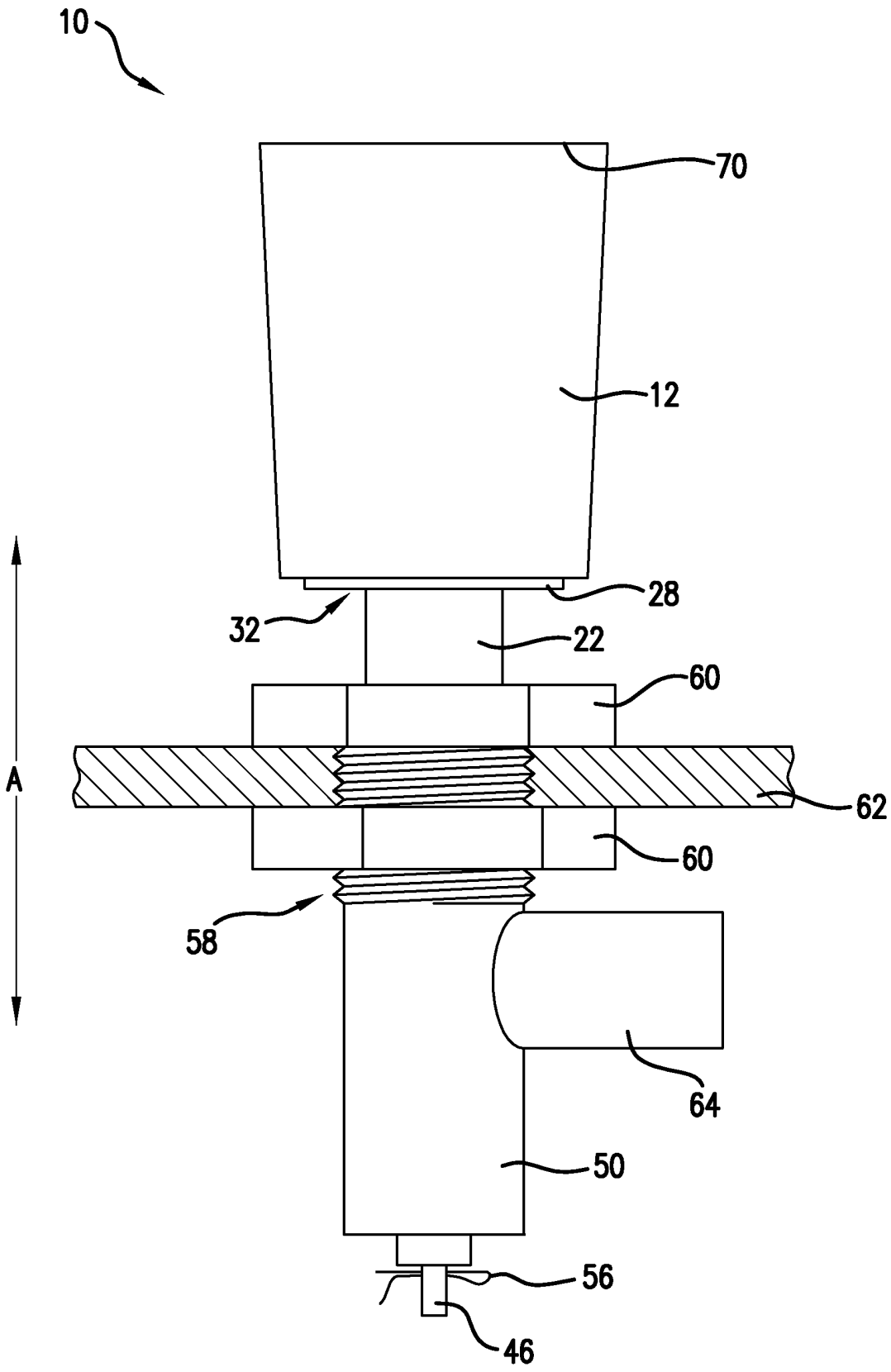
Family 159/200 - FAMPAT - ©Questel

Title

(US9016333)

Bottom fill kitchen sink feature

Images



Publication data including kind & date

US9016333	B2	2015-04-28	US9016333
US20140182744	A1	2014-07-03	US20140182744

Abstract

(US20140182744)

A bottom fill, fluid dispensing system is provided having a dispenser capable of being mounted to a countertop and a container. The container may be placed onto the dispenser and the dispenser may be moved to a first position, to allow the

dispenser to fill the container with a fluid. The container may be filled through a one way valve in the container wall. Once the container is filled to a desired level, the dispenser may be moved to a second position and the container may be removed from the dispenser without the fluid leaking from the one way valve in the container wall.

Inventors

SHAFFER TIMOTHY SCOTT

Latest standardized assignees - inventors removed

HAIER US APPLIANCE SOLUTIONS

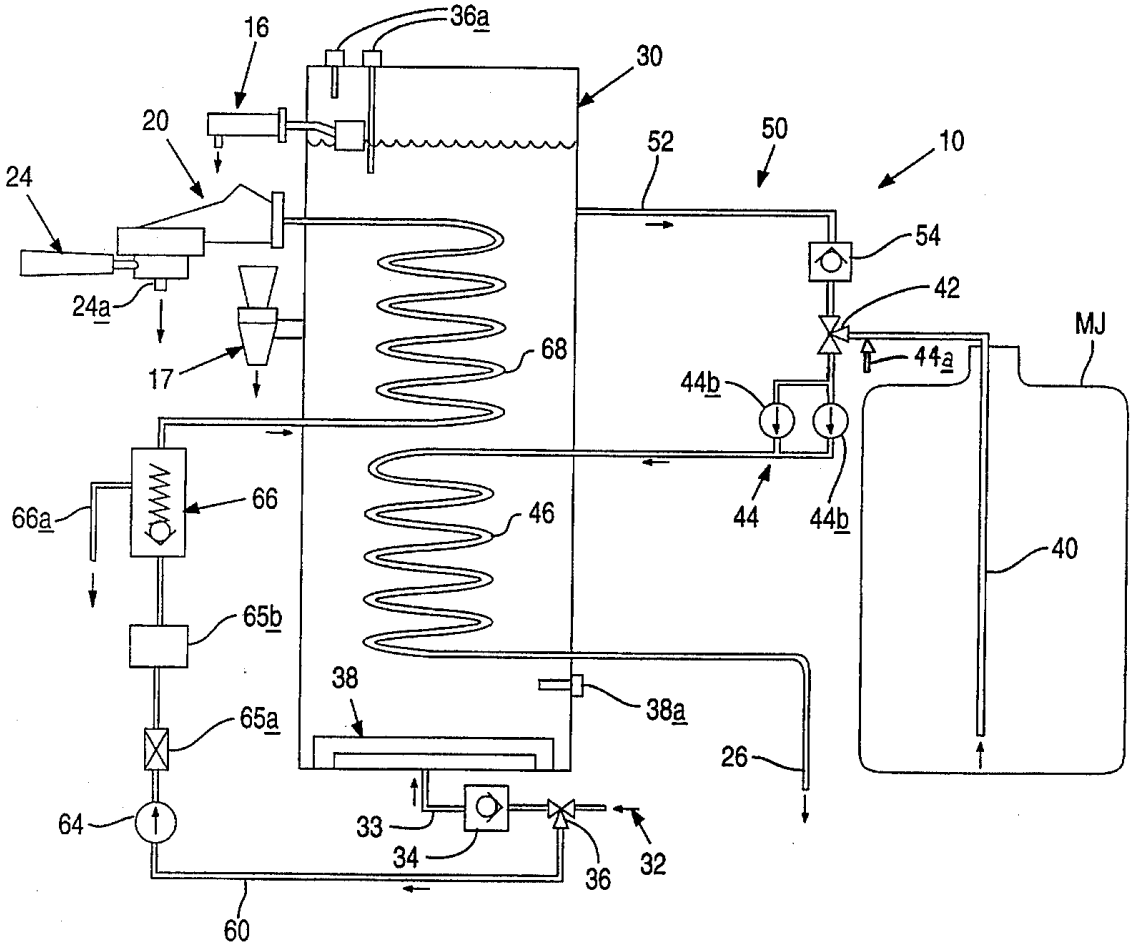
Family 160/200 - FAMPAT - ©Questel

Title

(EP-765124)

Milk frothing and heating system

Images



Publication data including kind & date

EP0765124	A4	1997-08-20	EP-765124
EP0765124	A1	1997-04-02	EP-765124
WO96/31125	A1	1996-10-10	WO9631125
US5498757	A	1996-03-12	US5498757

Abstract

(EP0765124)

A milk frothing system is provided whereby milk is first frothed by controlled introduction of air, and then heated by circulation in a conduit (46) which passes through a hot water tank (30). Milk initially is drawn into a milk frother (44) from a cold milk supply (MJ), such milk supply preferably being replaceably housed in an onboard refrigerator. Once frothed, milk is directed through a frothed milk conduit (46), passing through an ambient pressure hot water tank (30) so as to heat the frothed milk. An espresso water conduit (60) similarly may be connected to a water supply (32), such espresso water

conduit passing water through the hot water tank so as to heat the water. The heated water is passed through espresso grounds to produce espresso which is discharged through an espresso discharge nozzle (24a). The hot frothed milk is passed directly through a milk discharge nozzle (26) for use in making a beverage such as cappuccino or the like.

Inventors

JOHNSON MICHAEL W

ENGLER CHRISTOPHER J

Latest standardized assignees - inventors removed

FARMER BROS

BOYD ASSETS

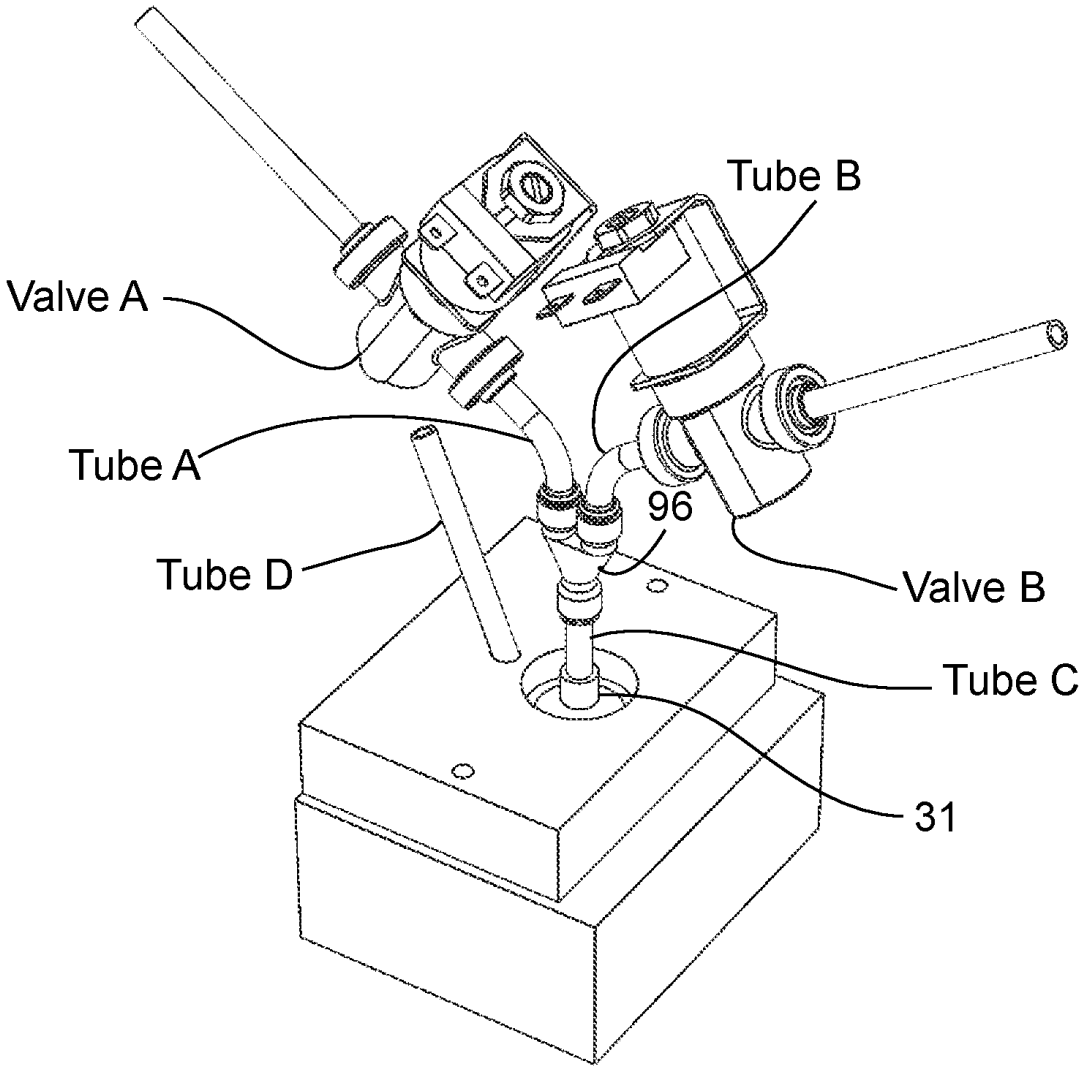
Family 161/200 - FAMPAT - ©Questel

Title

(EP3355715)

Beverage dispensing

Images



Publication data including kind & date

EP3355715	A4	2019-07-03	EP3355715
GB2562368	A	2018-11-14	GB2562368
MX2018003974	A	2018-09-06	MX2018003974
US20180251358	A1	2018-09-06	US20180251358
US20180251359	A1	2018-09-06	US20180251359

US20180251360	A1	2018-09-06	US20180251360
US20180251361	A1	2018-09-06	US20180251361
EP3355715	A2	2018-08-08	EP3355715
CN108289481	A	2018-07-17	CN108289481
GB201804610	D0	2018-05-09	GB201804610
WO2017/059027	A3	2017-06-08	WO201759027
CA3000484	A1	2017-04-06	CA3000484
WO2017/059027	A2	2017-04-06	WO201759027
US20170088410	A1	2017-03-30	US20170088410



Abstract

(EP3355715)

Among other things, beverages are dispensed from one or more beverage dispensers based on selections made by users. Information about the dispensing of the beverages is sent to a central server where it is used to manage a variety of functions including replacement of depleted supplies of components. Various features of the beverage dispensers enable the beverages that are dispensed to be uniform and appealing to users.

Inventors

WING MICHAEL
DE BOECK YVAN
GRUNDY SEAN
BECTON ELIZABETH
LEE FRANK

Latest standardized assignees - inventors removed

HYDRATION LABS

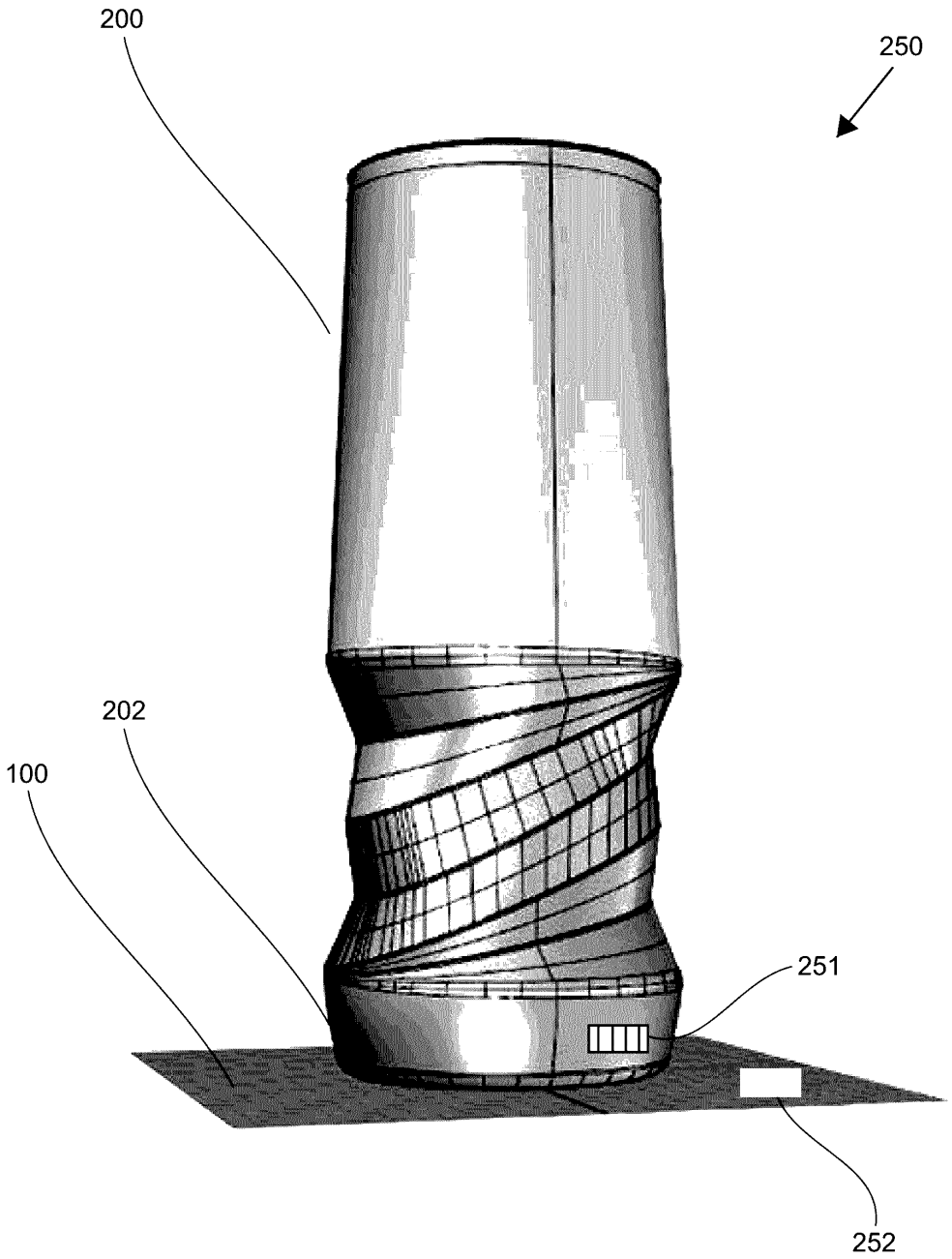
Family 162/200 - FAMPAT - ©Questel

Title

(EP3297499)

Digital table

Images



Publication data including kind & date

RU2017141814	A3	2019-07-30	RU2017141814
RU2017141814	A	2019-06-24	RU2017141814
EP3297499	A4	2019-02-06	EP3297499
JP2018522785	A	2018-08-16	JP2018522785
BR112017024873	A2	2018-08-07	BR112017024873
MX2017014902	A	2018-06-22	MX2017014902
EP3297499	A1	2018-03-28	EP3297499
BR112017024873	A1	2018-03-20	BR112017024873
CN107613814	A	2018-01-19	CN107613814
AU2016264464	A1	2017-11-30	AU2016264464
IN201747040207	A	2017-11-17	IN201747040207
CA2985686	A1	2016-11-24	CA2985686
US20160340165	A1	2016-11-24	US20160340165
WO2016/187418	A1	2016-11-24	WO2016187418

Abstract

(EP3297499)

The disclosure concerns a dispensing system, having at least one dispense location with at least one dispensing head configured to dispense a beverage through a bottom portion of a container. In one aspect, the dispensing head may dispense a plurality of different beverage ingredients which a user may select to dispense a custom beverage. In another aspect the dispensing system comprises a modular dispensing system having a plurality of dispense locations each connected through piping to a central, remote ingredient system.

Inventors

LIM STEPHEN

BROEN MARTIN EDUARDO

Latest standardized assignees - inventors removed

PEPSICO

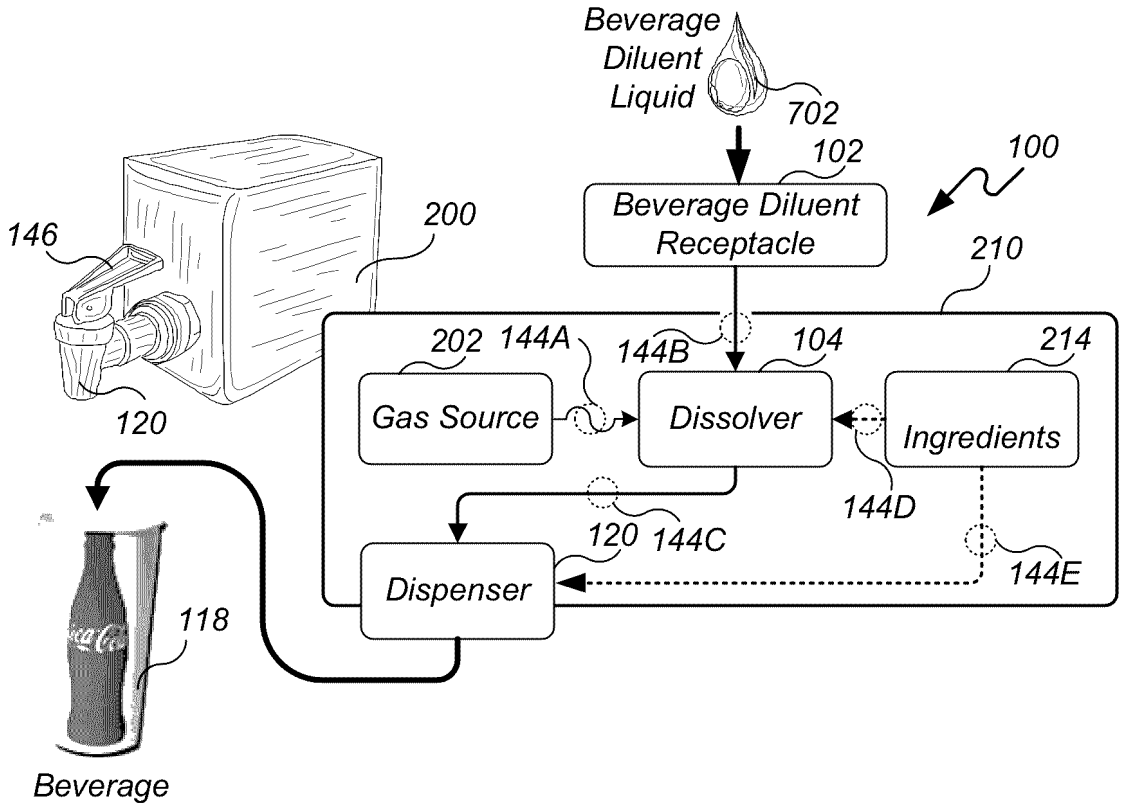
Family 163/200 - FAMPAT - ©Questel

Title

(US20170190555)

Beverage making machine

Images



Publication data including kind & date

US20170190555	A1	2017-07-06	US20170190555
US9630826	B2	2017-04-25	US9630826
US20140150669	A1	2014-06-05	US20140150669

Abstract

(US20170190555)

The present invention relates to a beverage making machine comprising a first beverage making cartridge comprising at least one of a gas source portion, the gas source portion contains a solid gas source that through sublimation emits a gas, and a gas storage tank arranged to store the gas emitted from the solid gas source. The beverage making machine further comprising a second beverage making cartridge comprising at least one of a micro ingredient, a beverage diluent receptacle for receiving a beverage diluent liquid, a dissolver dissolves portion of the gas, from the gas storage tank, into

the beverage diluent liquid, and a dispenser selectively dispenses a predefined ratio of at least one of the micro ingredient and the beverage diluent liquid, to form a beverage. Exemplary embodiments include a computer control arranged to receive a beverage selection from a consumer and control the beverage making machine to form beverages.

Inventors

GREEN C BRAD
KAPLITA STAN
KOLLS BROCK

Latest standardized assignees - inventors removed

COCA COLA

Family 164/200 - FAMPAT - ©Questel

Title

(EP1209982)

Process for providing customized varieties and strengths of fresh-brewed coffee on demand

Publication data including kind & date

BRPI0013247	A2	2011-12-27	BR200013247
EP2181605	A1	2010-05-05	EP2181605
CA2379374	C	2010-01-26	CA2379374
CN100496273	C	2009-06-10	CN100496273C
US20040177762	A1	2004-09-16	US20040177762
US6726947	B1	2004-04-27	US6726947
JP2003506104	A	2003-02-18	JP2003506104
CN1370051	A	2002-09-18	CN1370051
MXPA02001626	A	2002-07-02	MX2002PA001626
EP1209982	A2	2002-06-05	EP1209982
BR0013247	A	2002-04-23	BR200013247
BRPI0013247	A1	2002-04-23	BRPI0013247
WO01/11980	A3	2002-03-14	WO200111980
AU6773600	A	2001-03-13	AU200067736
CA2379374	A1	2001-02-22	CA2379374
WO01/11980	A2	2001-02-22	WO200111980

Abstract

(EP1209982)

An improved process for providing an individually customized fresh brewed coffee beverage on demand by a consumer, in a wide range of variety and strength. Said brewing process for making relatively large quantities of fresh brewed coffee beverages (in particular customized as to desired variety, body, character and/or strengths) as chosen by multiple individual consumers just prior to their consumption, with the system being easy to use by the consumer or other individual (i.e., restaurant wait staff) obtaining the customized beverage. Further, maintenance of the equipment requires only a small amount of personal attention by the owner/operator of the equipment. "Delayed dilution" of a concentrated extract to provide a beverage brewing system which immediately (upon customer selection) provides selective dilution (based on individual consumer's selections) of a fresh brewed coffee extract after the extract has been allowed to brew and held as an extract before dilution. "Delayed mixing" and/or "delayed filtering" may also be utilized.

Inventors

GUTWEIN ROGER WILLIAM
CONNOR CHRISTOPHER WARD

Latest standardized assignees - inventors removed

PROCTER & GAMBLE
KNUDSEN JEANNETTE L
EKONOMON ADAM ESQ

FOLGER COFFEE

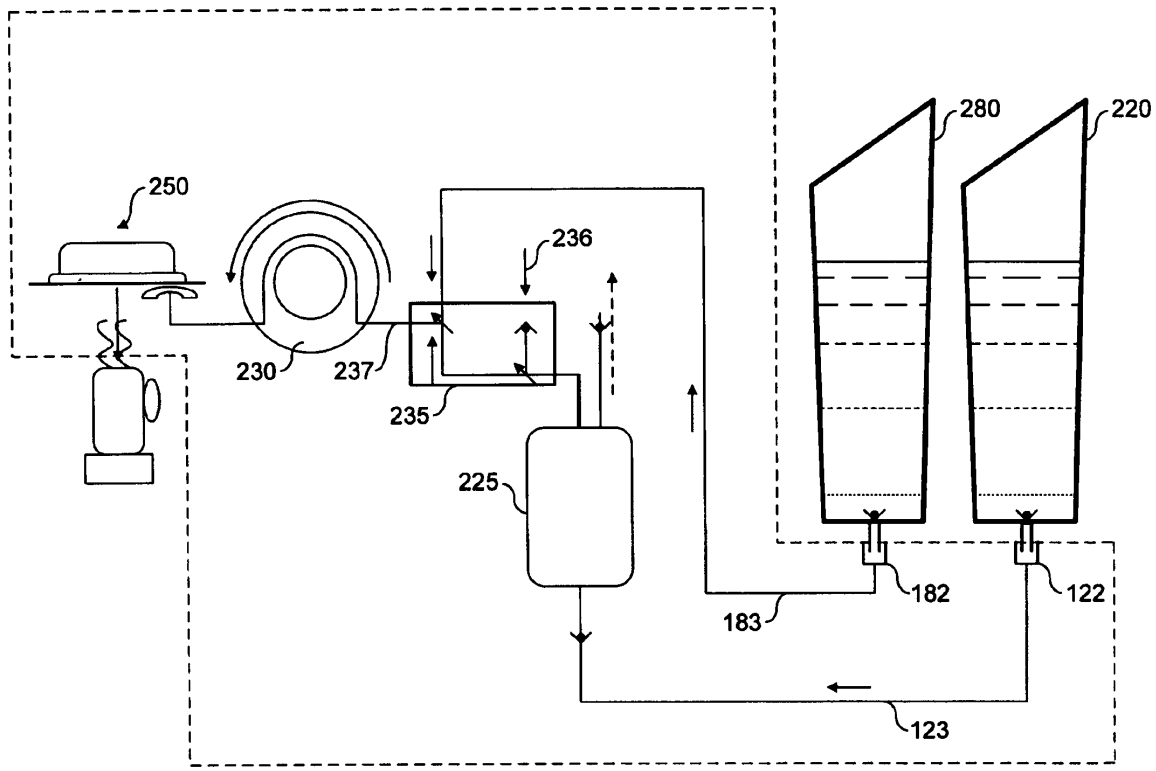
Family 165/200 - FAMPAT - ©Questel

Title

(EP2129270)

Improvements in or relating to a machine for the preparation of beverages

Images



Publication data including kind & date

BRPI0807381	B1	2019-04-09	BR200807381
PL2129270	T5	2019-03-29	PL2129270
ES2375179	T5	2019-03-20	ES2375179
EP2129270	B2	2018-10-17	EP2129270
KR101880795	B1	2018-07-20	KR101880795
US20170290461	A1	2017-10-12	US20170290461
US9723944	B2	2017-08-08	US9723944
HK1161532	A1	2017-01-27	HK1161532
KR101593354	B1	2016-02-11	KR101593354
US20150223631	A1	2015-08-13	US20150223631
CA2813654	C	2015-08-11	CA2813654
CA2763662	C	2015-04-28	CA2763662
KR20150039886	A	2015-04-13	KR20150039886
KR101502181	B1	2015-03-12	KR101502181
US8887622	B2	2014-11-18	US8887622
KR20140117677	A	2014-10-07	KR20140117677
CA2763658	C	2014-09-23	CA2763658
BRPI0807381	A2	2014-05-20	BR200807381
HK1137914	A1	2014-01-17	HK1137914
CA2678050	C	2013-06-18	CA2678050
CN101621949	B	2013-04-10	CN101621949B

PL2129270	T3	2012-07-31	PL2129270
JP5009379	B2	2012-06-08	JP5009379
SI2129270	T1	2012-05-31	SI2129270T
ES2375179	T3	2012-02-27	ES2375179
DK2129270	T3	2012-01-23	DK2129270T
AT536779	T	2011-12-15	ATE536779
EP2129270	B1	2011-12-14	EP2129270
RU2435508	C2	2011-12-10	RU2435508
RU2009135812	A	2011-04-10	RU2009135812
JP2010518999	A	2010-06-03	JP2010518999
US20100107887	A1	2010-05-06	US20100107887
KR20100032355	A	2010-03-25	KR20100032355
CN101621949	A	2010-01-06	CN101621949
EP2129270	A1	2009-12-09	EP2129270
CA2678050	A1	2008-09-04	CA2678050
CA2763658	A1	2008-09-04	CA2763658
CA2763662	A1	2008-09-04	CA2763662
CA2813654	A1	2008-09-04	CA2813654
WO2008/104751	A1	2008-09-04	WO2008104751
GB2447024	A	2008-09-03	GB2447024
GB0703764	D0	2007-04-04	GB200703764

Abstract

(EP2129270)

A beverage preparation machine for dispensing beverages comprising: a housing; a first reservoir station; a first reservoir for containing an aqueous medium, the first reservoir being connectable to said first reservoir station; an auxiliary module station for receiving an auxiliary module.

Inventors

BENTLEY ANDREW CHARLES

LLOYD ADAM MARTYN

Latest standardized assignees - inventors removed

DOUWE EGBERTS

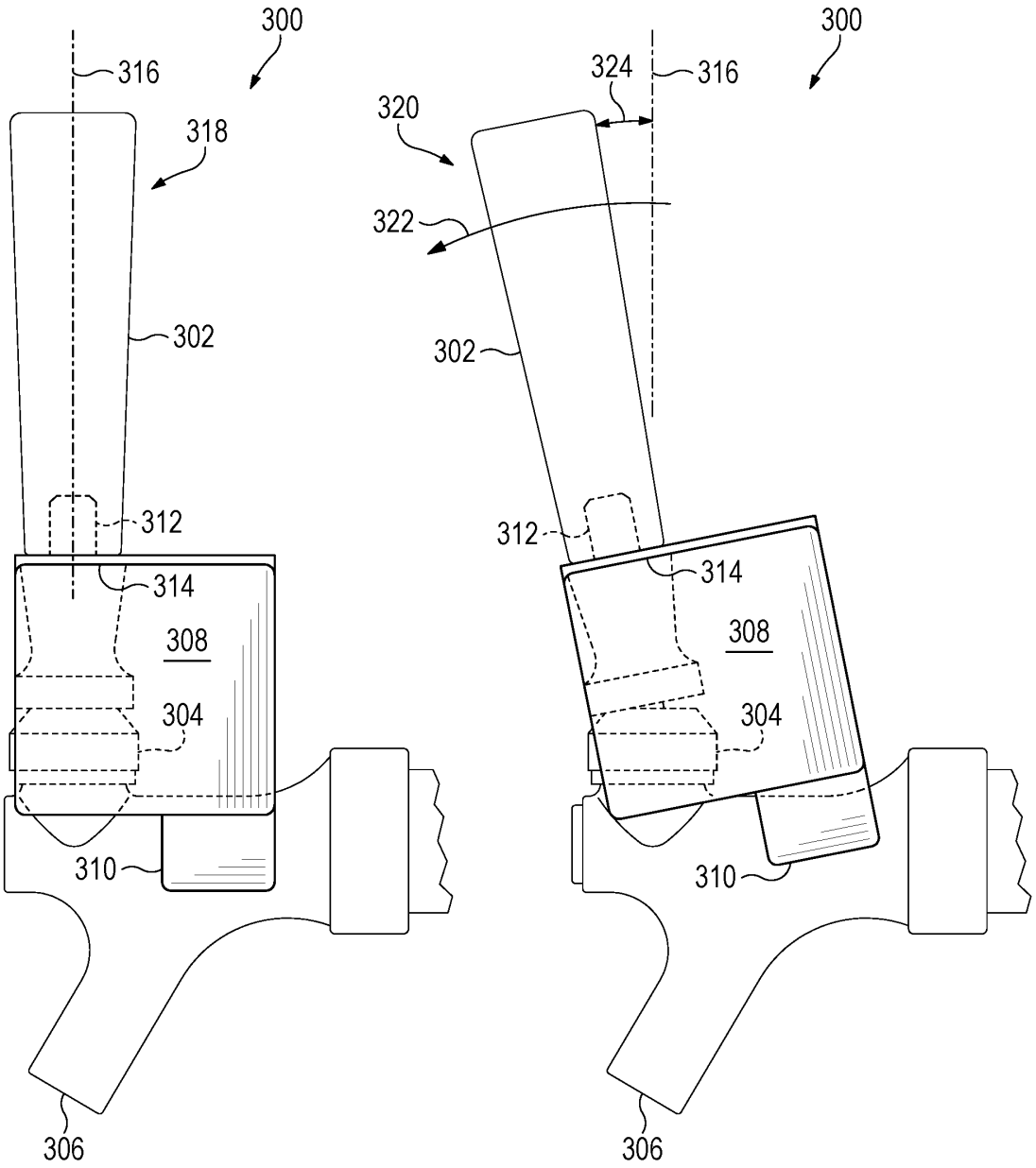
Family 166/200 - FAMPAT - ©Questel

Title

(US20190292037)

Wireless beverage dispensing monitor

Images



Publication data including kind & date

US20190292037	A1	2019-09-26	US20190292037
US10315906	B1	2019-06-11	US10315906

Abstract

(US20190292037)

The disclosed beverage dispensing monitors, systems, and methods help to track, monitor, and analyze data about beverage pours dispensed from one or more beverage dispensers. For example, a beverage dispensing system can have monitors attached to one or more of its beverage dispensing taps so that when a beverage is dispensed at one of the monitored taps, the beverage poured is tracked and analyzed for many reasons like tracking inventory levels for supply and loss purposes and user training and accountability. Various data integrity analyses can be performed and reports can be generated based on the analyzed data included data integrity reports and variance reports. The disclosed systems and methods can interface with a point-of-sale system to reconcile data of inventory and sales transactions.

Inventors

NICOL GORHAM

NICOL JAMES

Latest standardized assignees - inventors removed

BEVERAGE MANAGEMENT SYSTEMS

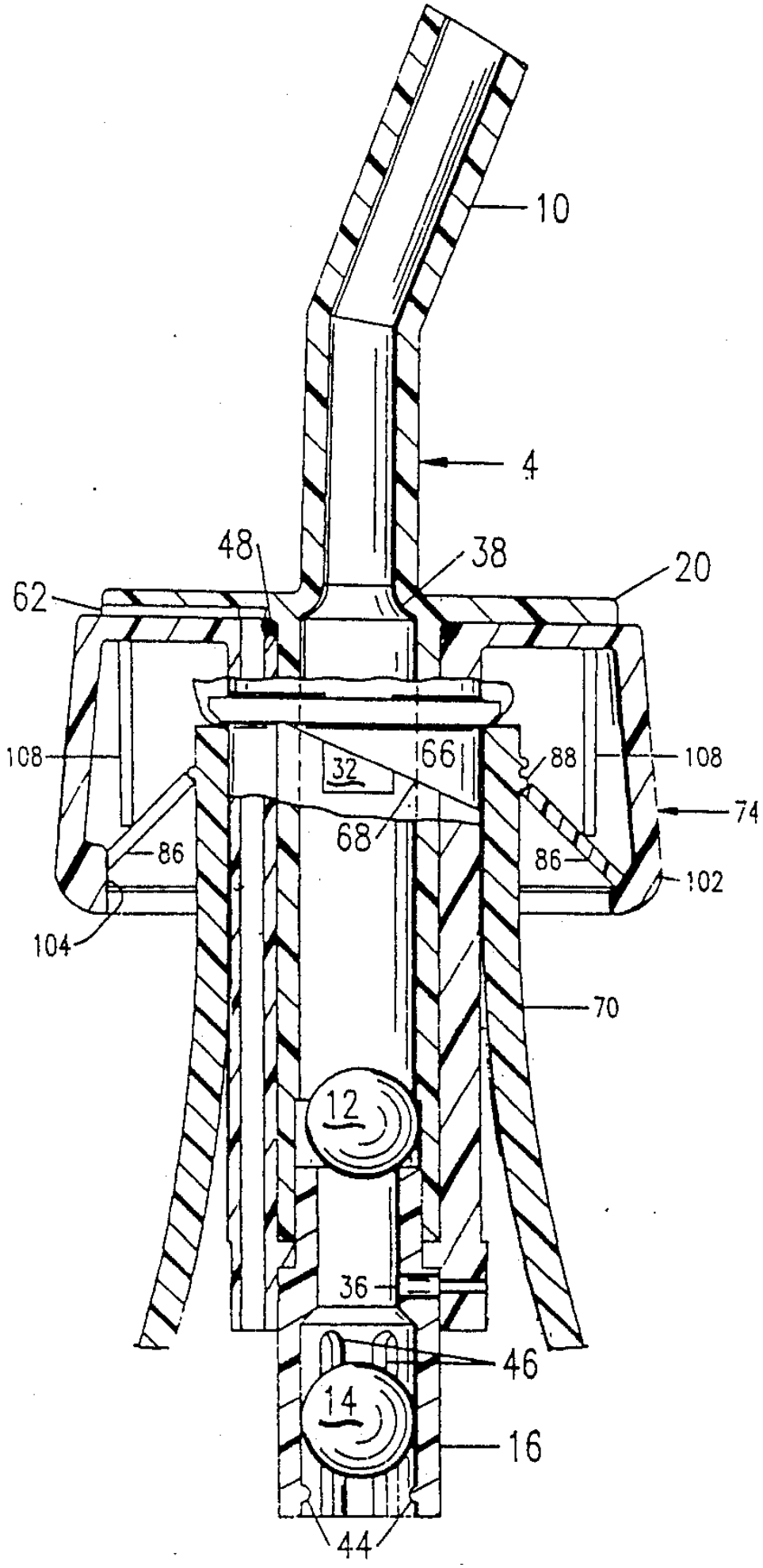
Family 167/200 - FAMPAT - ©Questel

Title

(US5044521)

Volumetrically controlled drink dispenser

Images


10
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108
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32
74
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86
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46
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44

Publication data including kind & date

US5255819	A	1993-10-26	US5255819
US5044521	A	1991-09-03	US5044521

Abstract

(US5044521)

Bottle mounted liquid metering apparatus including a helical fastener band self-adapting to a thread pitch. In alternative embodiments, collars rotatively supported relative to a pour tube and a plug portion control the size of a vent aperture and/or a fill window within the interior of the bottle along the pour tube and thereby the volume dispensed; a bottle vent integrally extends from the body of a threaded cap or a plug in radial relation thereto; and electronically timed annunciator means sequentially, uniformly meter a dispensed volume.

Inventors

PECKELS ARGANIUS

Latest standardized assignees - inventors removed

PECKELS ARGANIOUS

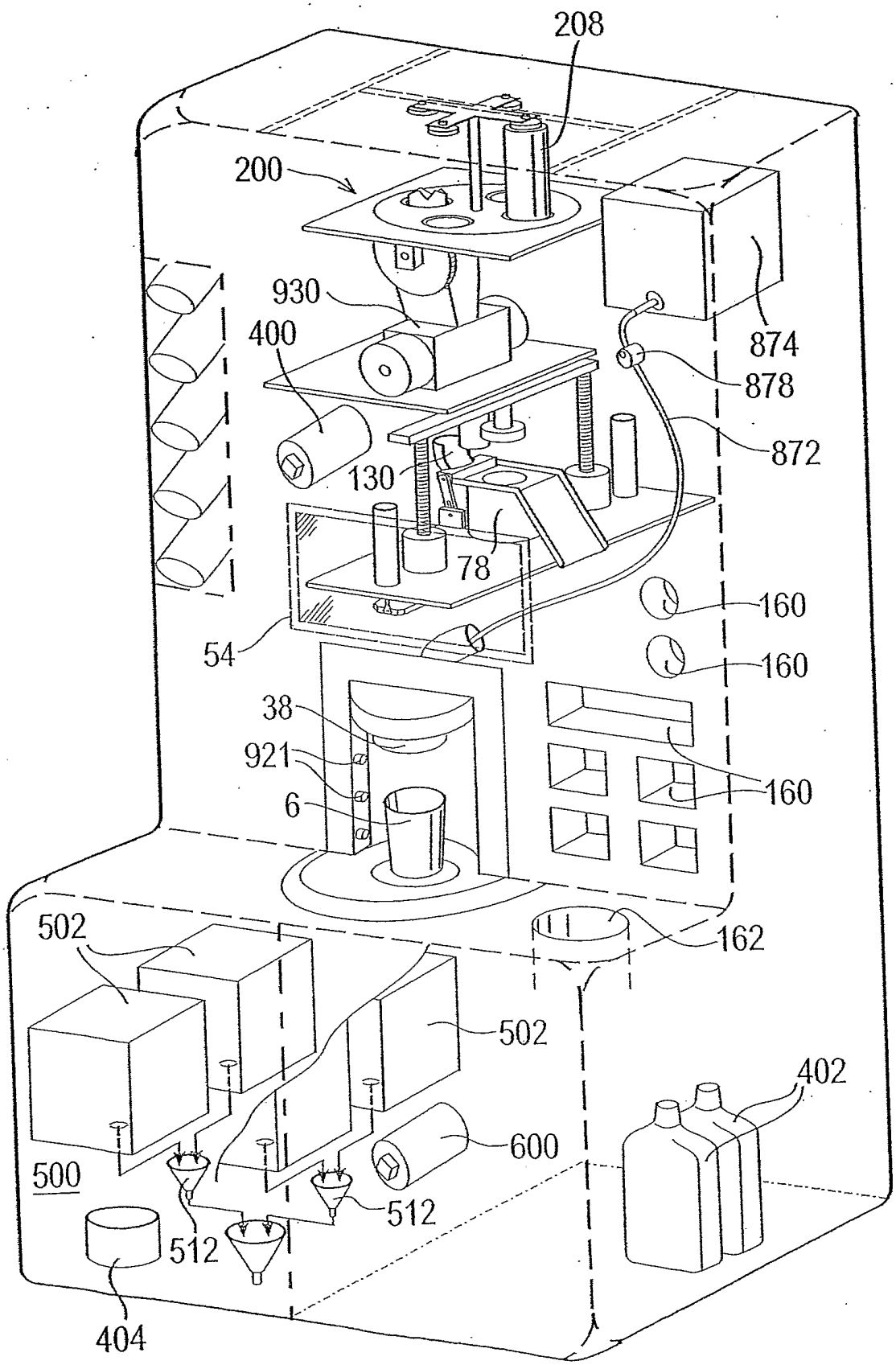
Family 168/200 - FAMPAT - ©Questel

Title

(EP1855571)

Apparatus for preparing beverages

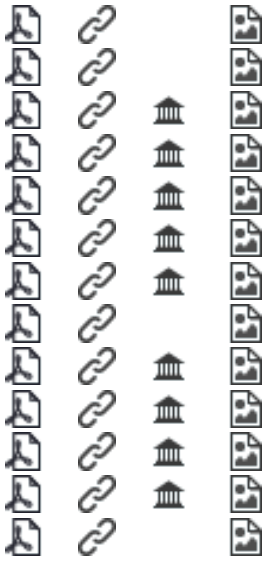
Images



Publication data including kind & date

US20090293733	A1	2009-12-03	US20090293733
GB2451005	B	2009-09-23	GB2451005
WO2006/090183	A8	2009-04-23	WO200690183
GB2452607	A	2009-03-11	GB2452607
GB2451005	A	2009-01-14	GB2451005

GB2438803	B	2008-11-26	GB2438803
GB0815683	D0	2008-10-08	GB200815683
GB0815808	D0	2008-10-08	GB200815808
JP2008531162	A	2008-08-14	JP2008531162
CN101128142	A	2008-02-20	CN101128142
WO2006/090183	A8	2007-12-21	WO200690183
GB2438803	A	2007-12-05	GB2438803
EP1855571	A2	2007-11-21	EP1855571
GB0719002	D0	2007-11-07	GB200719002
IN6555/DELNP/2007	A	2007-09-14	IN2007DN06555
WO2006/090183	A3	2007-03-01	WO200690183
AU2006217656	A1	2006-08-31	AU2006217656
WO2006/090183	A2	2006-08-31	WO200690183
GB0504090	D0	2005-04-06	GB200504090



Abstract

(EP1855571)

Various forms of apparatus (1) for preparing and dispensing beverages, preferably based on coffee, can receive instructions from a customer and deliver the beverage automatically. The apparatus is preferably capable of fully automatic cleaning in a cleaning cycle in which a cleaning agent is flushed through the lines (62, 64), and the apparatus is preferably arranged to ensure that not only are the lines cleaned properly but that no cleaning agent can be dispensed. The apparatus includes a brewer assembly (78) having a chamber (81) in which freshly ground coffee can be introduced and either espresso or filter coffee can be automatically prepared by passing hot water through the chamber and removing the spent coffee grounds. The coffee may be stored as coffee beans in sealed containers (208) that can automatically be pierced to release the beans which are ground immediately before preparation of the beverage. The apparatus also includes a cup-size detector (921) for ensuring that the customer offers a cup to the apparatus that is of a size appropriate to the beverage selected.

Inventors

MARTIN SCOTT
IRWIN STEVE JAMES
YAU ANDREW CHI WAI
SMITH WILLIAM DAVID
TURNER JAKE PHILIP
MCGARVA JOHN
SWEETING PATRICK
NAYLOR SIMON JAMES
HARPER DAVID WILLIAM
BRADSHAW DAVID
NELSON MICHAEL ROBERT
DAWES MARTYN

Latest standardized assignees - inventors removed

COFFEE NATION

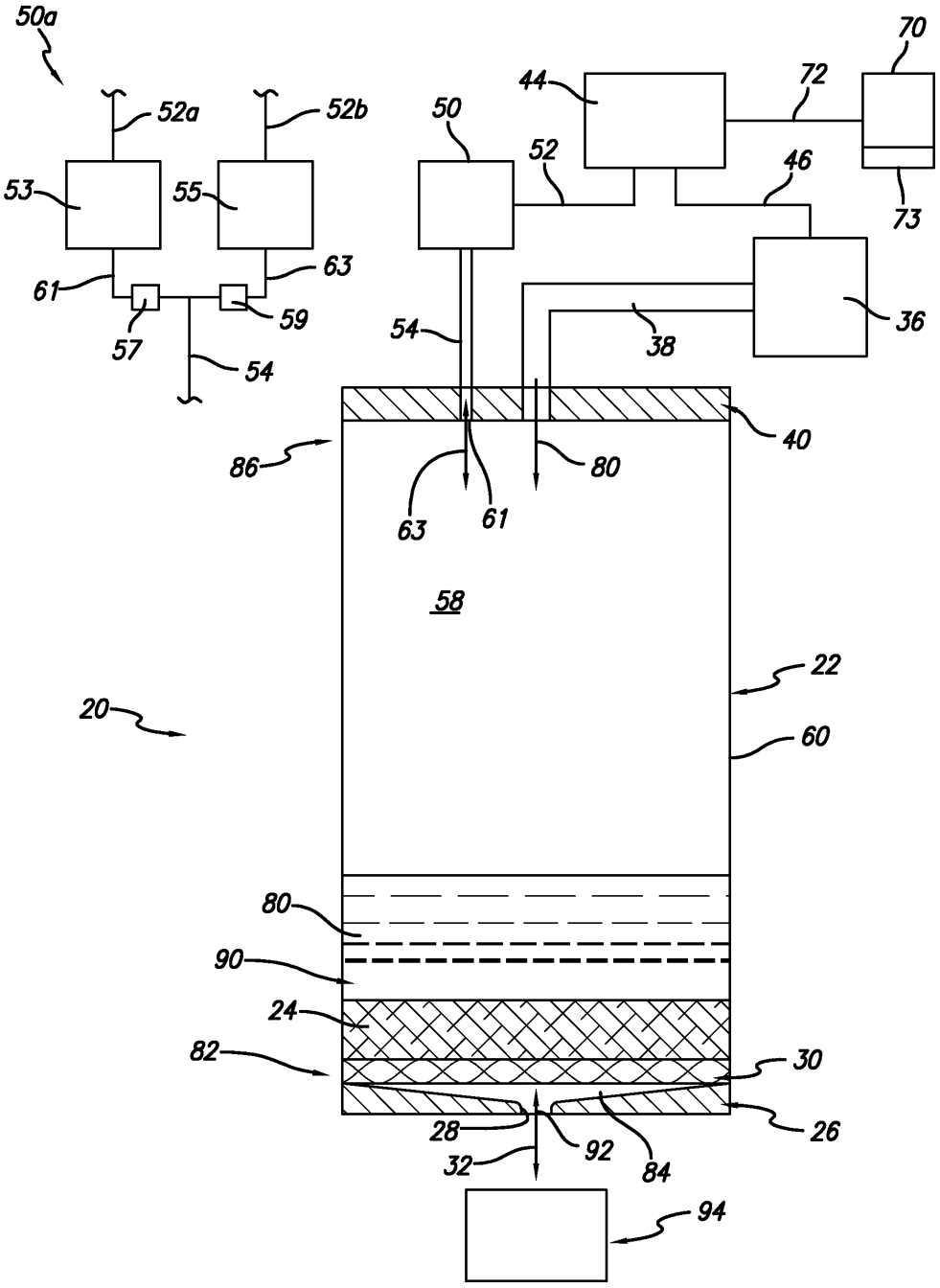
Family 169/200 - FAMPAT - ©Questel

Title

(EP2285256)

Air pressure controllable beverage making apparatus, system and method

Images



Publication data including kind & date

KR101659321	B1	2016-09-23	KR101659321
US8997633	B2	2015-04-07	US8997633
EP2285256	A4	2015-01-07	EP2285256
CN102083345	A	2011-06-01	CN102083345
US20110097465	A1	2011-04-28	US20110097465
EP2285256	A1	2011-02-23	EP2285256
KR20110017374	A	2011-02-21	KR20110017374
MX2010011990	A	2010-12-21	MX2010011990
CA2723250	A1	2009-11-05	CA2723250
WO2009/135177	A1	2009-11-05	WO2009135177

Abstract

(EP2285256)

An apparatus, system, and method of use in making beverages. The apparatus includes components and structures for

making beverages by mixing heated water or other liquid and a beverage making substance in combination with controllable evacuation, pressurization, or both of a mixing vessel. The method includes controllable brewing using a vacuum, positive pressure, or both to control one or a combination of active controllable agitation of ingredients, steep time, pressurization, extraction time, agitation pulsing, dispensing pulsing as well as other numerous other beverage preparation characteristics and controls.

Inventors

BISHOP JOHN DOUGLAS
CLARK CHARLES
MIDDEN WILLIAM
POPE RANDY D
RADHAKRISHNAN SURESH
ROGERS REX ALLEN

Latest standardized assignees - inventors removed

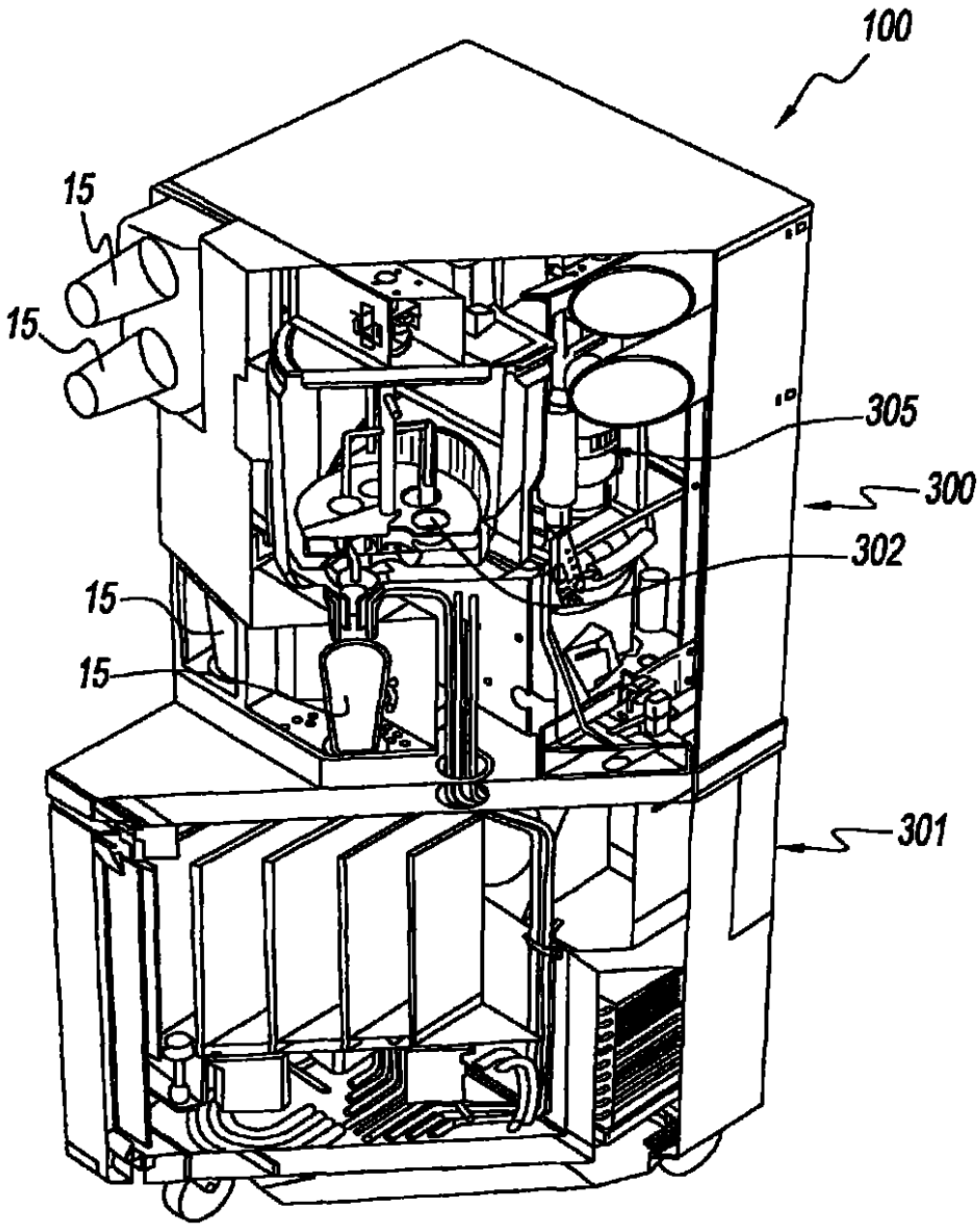
BUNN O MATIC

Family 170/200 - FAMPAT - ©Questel

Title

(US9259114)
Integrated system for dispensing and blending/mixing beverage ingredients

Images



Publication data including kind & date

US9259114	B2	2016-02-16	US9259114
US20130239818	A1	2013-09-19	US20130239818

Abstract

(US20130239818)

An integrated beverage blending system comprising: a controller for menu selection; an ice portion control module; an ingredient module; a dispensing apparatus in communication with the ice portion control module and the ingredient module, wherein the ice and the ingredient are dispensed into a beverage container via the dispensing apparatus; and at least one blender module which blends and/or mixes the ice and the ingredient in the beverage container, thereby producing the beverage; wherein, upon removal of the beverage container from the blender module, the blender module initiates a cleaning mode.

Inventors

NEVAREZ ROBERTO
SMITH WILLIAM E
CLAESSON JAN

Latest standardized assignees - inventors removed

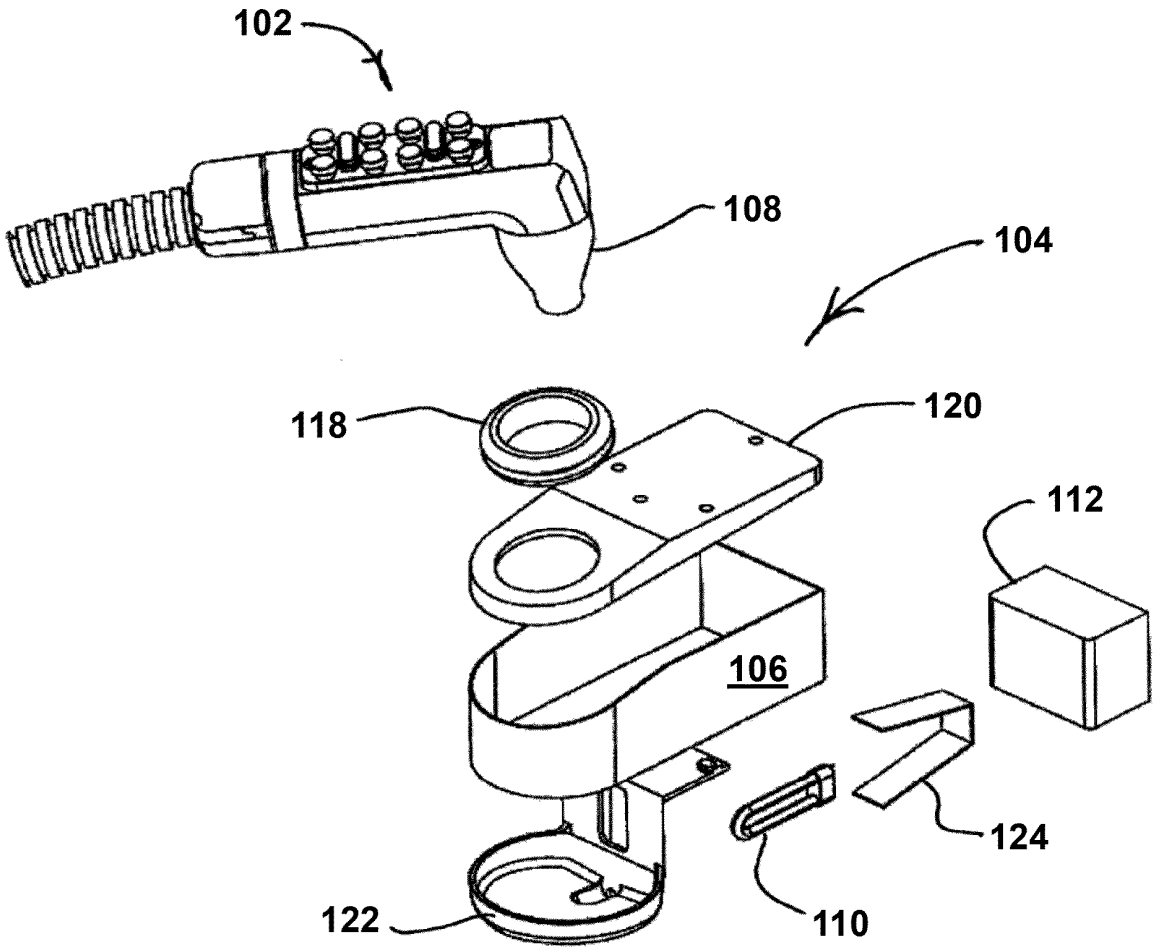
DELFIELD
CLEVELAND RANGE
MANITOWOC FOODSERVICE
GARLAND COMMERCIAL INDUSTRIES
APPLIANCE SCIENTIFIC
FRYMASTER
MANITOWOC

Family 171/200 - FAMPAT - ©Questel

Title

(EP3355942)
Ultraviolet disinfecting device for food and beverage dispensers

Images



Publication data including kind & date

EP3355942	A4	2019-05-29	EP3355942
ES2705024	T3	2019-03-21	ES2705024
DK2571534	T3	2018-12-10	DK2571534T
EP2571534	B1	2018-10-10	EP2571534
EP3355942	A1	2018-08-08	EP3355942
US9950085	B2	2018-04-24	US9950085
US9895458	B2	2018-02-20	US9895458
US9655985	B2	2017-05-23	US9655985
WO2017/059349	A1	2017-04-06	WO201759349
US20170072079	A1	2017-03-16	US20170072079
US20160031695			

	A1	2016-02-04	US20160031695
US20160022849	A1	2016-01-28	US20160022849
US9192191	B2	2015-11-24	US9192191
EP2571534	A4	2014-03-26	EP2571534
EP2571534	A1	2013-03-27	EP2571534
US20110286883	A1	2011-11-24	US20110286883
WO2011/146878	A1	2011-11-24	WO2011146878

Abstract

(EP3355942)

Disinfecting devices and related methods are provided that apply germicidal ultraviolet light to disinfect dispensing components of food and beverage dispensers. A disinfecting holster for a nozzle of a beverage dispensing handle includes a housing adapted to receive a nozzle of a beverage dispensing handle and an ultraviolet light source bent around the housing to surround at least a portion of the housing. The ultraviolet light source generates and emits germicidal ultraviolet light onto the nozzle. The housing substantially contains the ultraviolet light within the housing during the application of the ultraviolet light to the dispensing nozzle. The ultraviolet light can be periodically applied to maintain the nozzle in a disinfected state.

Inventors

HECHT THOMAS R

MARTINDALE RICHARD A

Latest standardized assignees - inventors removed

AUTOMATIC BAR CONTROLS

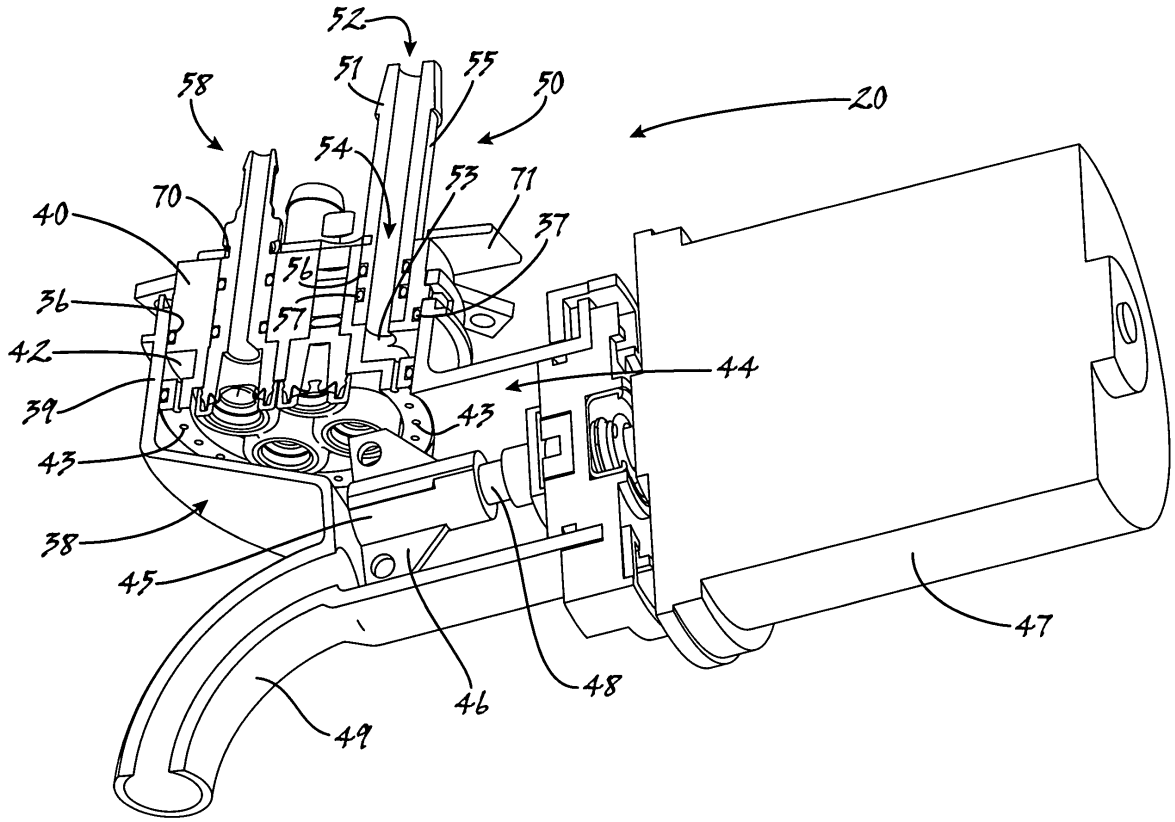
Family 172/200 - FAMPAT - ©Questel

Title

(EP2637964)

Method and apparatus for dispensing a beverage from a liquid concentrate

Images



Publication data including kind & date

HK1183855	A1	2016-09-30	HK1183855
CA2817445	C	2016-02-23	CA2817445
JP5886864	B2	2016-02-19	JP5886864
CN103249666	B	2016-02-10	CN103249666B
AU2011326812	B2	2015-10-22	AU2011326812
EP2637964	A4	2015-04-15	EP2637964
IN4589/DELNP/2013	A	2015-01-23	IN2013DN04589
US8807392	B2	2014-08-19	US8807392
JP2013543821	A	2013-12-09	JP2013543821
EP2637964	A1	2013-09-18	EP2637964
CN103249666	A	2013-08-14	CN103249666
MX2013005328	A	2013-07-05	MX2013005328
AU2011326812	A1	2013-05-30	AU2011326812
CA2817445	A1	2012-05-18	CA2817445
WO2012/064355	A1	2012-05-18	WO201264355
US20120111887	A1	2012-05-10	US20120111887

Abstract

(EP2637964)

A nozzle system for use with a multi-flavor beverage dispenser includes a mixing chamber having a fluid outlet therefrom; a diluent injector configured to deliver a mixing fluid from without to within the mixing chamber; and a number of concentrate injectors configured to independently deliver a fluid concentrate from without to within the mixing chamber. The concentrate injector each have associated therewith a self-sealing dispensing valve configured to substantially limit fluid flow through its respective concentrate injector to from without the mixing chamber to within the mixing chamber.

Inventors

SMELLER DONALD W

JENNINGS JARRELL L III

ROBINSON ROBERT L

GOOD MERRILL R

HERNANDEZ GEORGE E

Latest standardized assignees - inventors removed

LANCER

Family 173/200 - FAMPAT - ©Questel

Title

(EP2548481)

Beverage machine with a beverage disposal

Images

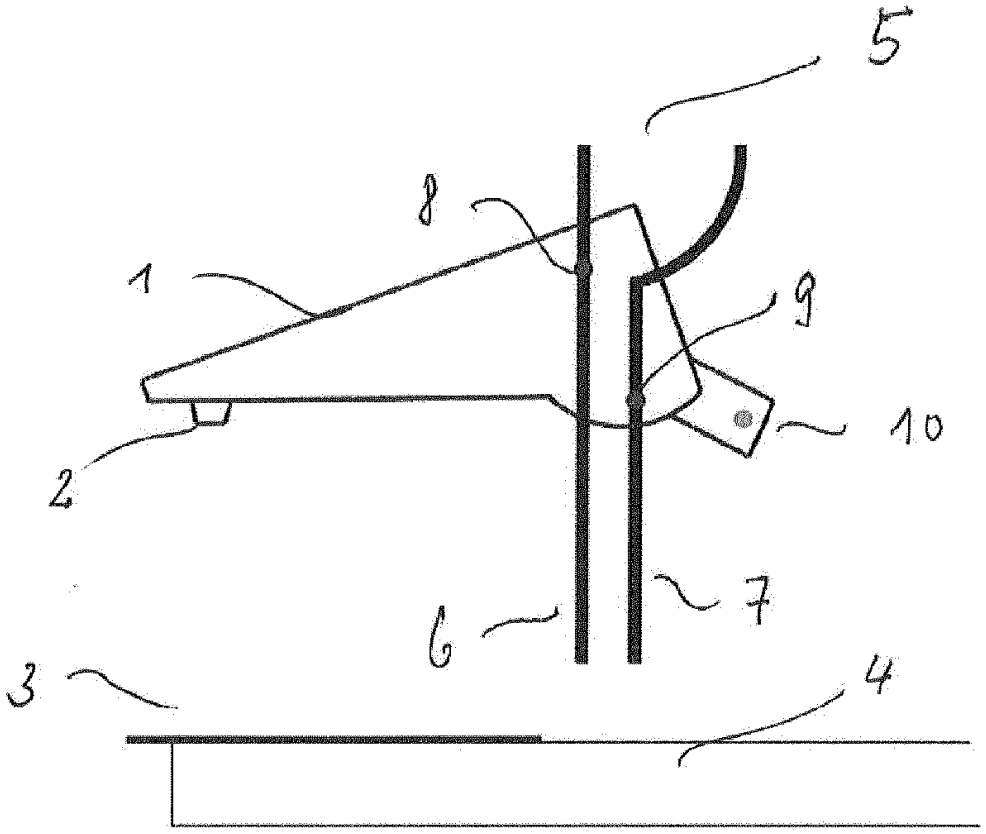


Fig. 1

Publication data including kind & date

EP2548481	B1	2014-04-02	EP2548481
DE102011079590	A1	2013-01-24	DE102011079590
EP2548481	A1	2013-01-23	EP2548481

Abstract

(EP2548481)

The beverage dispenser has a housing front beverage outlet (1) provided with an outlet (2) for beverage, and another outlet for providing water, steam, milk and/or milk froth. The beverage outlet is pivotably mounted about an axis parallel to the housing front extending horizontal axis and pivoted into a cleaning position in the housing front.

Inventors

KOLLER DESIREE

KRAMER SIEGMUND

TRACY TIMOTHY MARK

Latest standardized assignees - inventors removed

BSH HAUSGERAETE

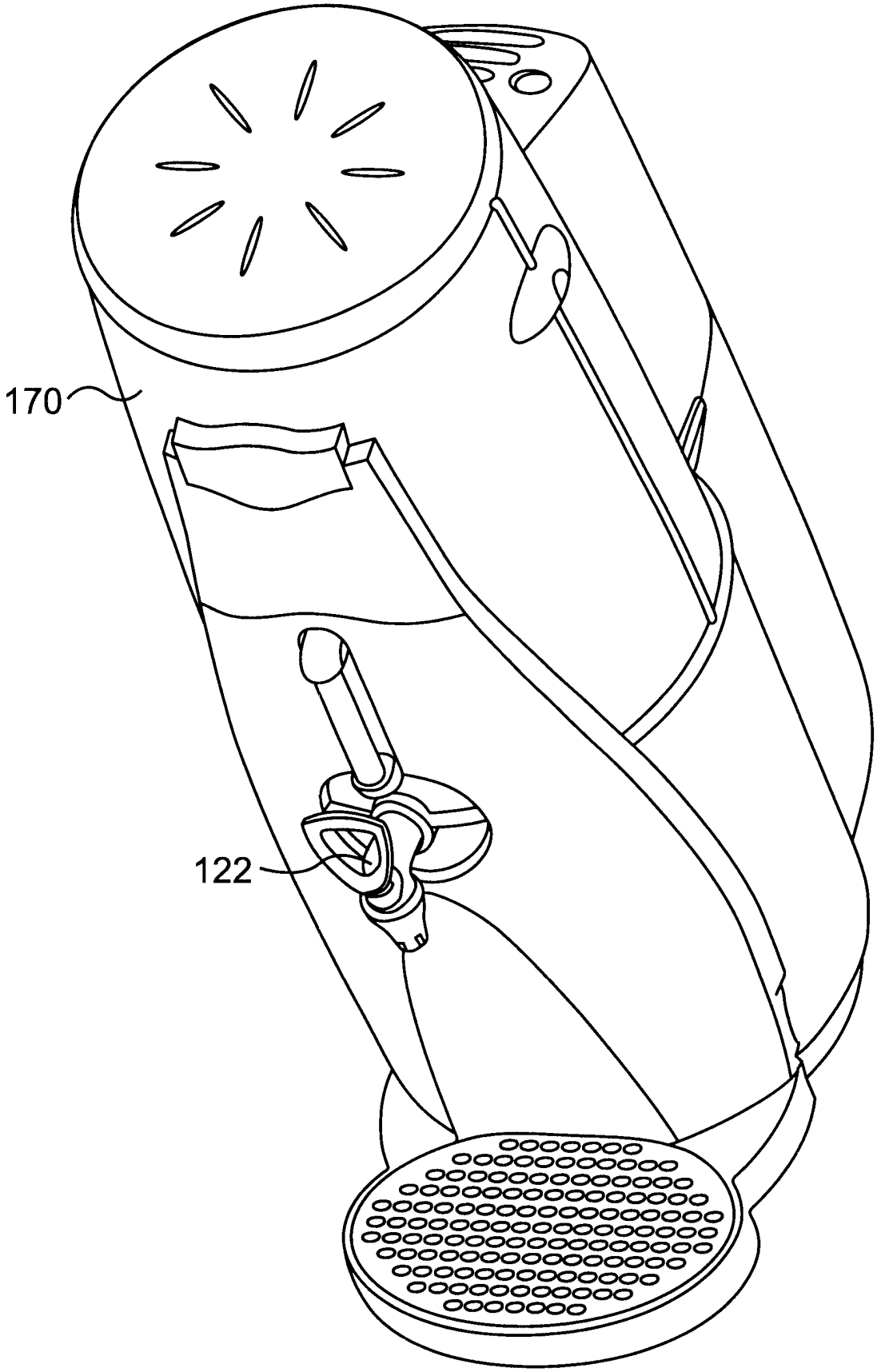
Family 174/200 - FAMPAT - ©Questel

Title

(WO200226614)

Brewed iced tea or non-carbonated drink dispenser

Images



Publication data including kind & date

US6988641	B2	2006-01-24	US6988641
US6883685	B2	2005-04-26	US6883685
US20040056046	A1	2004-03-25	US20040056046
US6685059	B2	2004-02-03	US6685059

US20020145008	A1	2002-10-10	US20020145008
US20020074350	A1	2002-06-20	US20020074350
WO02/26614	A3	2002-06-13	WO200226614
WO02/26614	A2	2002-04-04	WO200226614

Abstract

(WO02/26614)

A beverage dispensing apparatus (110) includes a dispensing device (152), at least one valve (130) that distributes a diluent, a concentrate pump (136) that distributes concentrate, a support structure that supports the foregoing components, and exterior cladding attached to the support structure. The exterior cladding provides the appearance of a real leaf brewer. The diluent valve (130) and concentrate pump (136) distribute the diluent and concentrate into the dispensing device (152) to form a mixture to be dispensed therefrom. The diluent can be hot water and the apparatus further includes an air ejector device (120) for eliminating air bubbles from the hot water prior to mixing. In addition, an improved sensor (138) can accurately determine when the supply of concentrate is depleted.

Inventors

JONES BRIAN C
EVANS DAVID N
DZIBELA SCOTT A
NORDENSTROM JOHN C
KUMAR SANJAY
DUCHENE RUSSELL J
ROGALA ALLEN
FODOR MICHAEL
HENNIGER WILLIAM
FAROQUI AMIR

Latest standardized assignees - inventors removed

PEPSICO

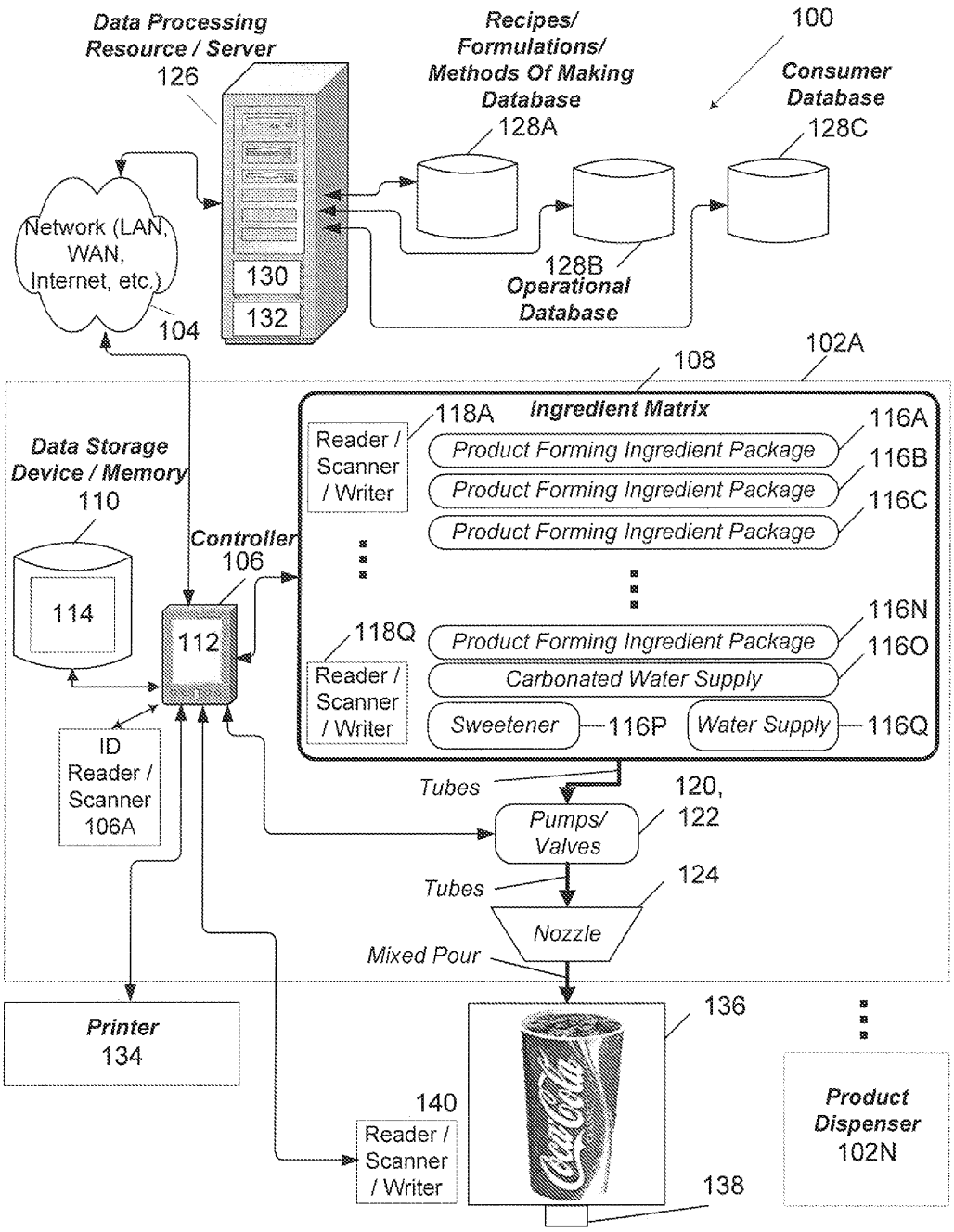
Family 175/200 - FAMPAT - ©Questel

Title

(EP2212864)

Device and method for operating an interactive dispenser

Images



Publication data including kind & date

US10255746	B2	2019-04-09	US10255746
US10121306	B2	2018-11-06	US10121306
CN104392548	B	2018-01-30	CN104392548B
BRPI0816442	A2	2017-05-16	BR200816442
US20160155285	A9	2016-06-02	US20160155285
JP5906287	B2	2016-03-25	JP5906287
CN104392548	A	2015-03-04	CN104392548
JP2014237491	A	2014-12-18	JP2014237491
CN101828206	B	2014-12-03	CN101828206B
RU2013111694	A	2014-09-27	RU2013111694
JP5596544	B2	2014-08-15	JP5596544
US20140142749	A1	2014-05-22	US20140142749

AU2008296274	B2	2013-07-18	AU2008296274
RU2487413	C2	2013-07-10	RU2487413
US20130079926	A1	2013-03-28	US20130079926
US8340815	B2	2012-12-25	US8340815
RU2010111244	A	2011-10-20	RU2010111244
JP2010537916	A	2010-12-09	JP2010537916
ZA201001755	B	2010-11-24	ZA201001755
CN101828206	A	2010-09-08	CN101828206
IN1771/DELNP/2010	A	2010-08-13	IN2010DN01771
EP2212864	A1	2010-08-04	EP2212864
MX2010002292	A	2010-04-21	MX2010002292
AU2008296274	A1	2009-03-12	AU2008296274
US20090065570	A1	2009-03-12	US20090065570
WO2009/032946	A1	2009-03-12	WO200932946

Abstract

(EP2212864)

Embodiments of the invention can include systems and methods for dispensing consumable products. In one embodiment, a product dispenser is provided. The product dispenser can include a user interface operable to receive consumer inputs and to present product selection information. In addition, the product dispenser can include a reader configured to obtain identification information associated with a consumer. The product dispenser can include a controller in communication with the reader and user interface, and operable to execute a set of instructions to receive from the reader identification information associated with a consumer. The controller can also be operable to execute a set of instructions operable to retrieve consumer information based at least in part on the identification information, and provide product selection information at the user interface based at least in part on the consumer information.

Inventors

PETERS DAN

TRAN SON V

NEWMAN DAVID R

ANTAO LEONARD F

SLAGLEY DAVID O

KOLLS H BROCK

Latest standardized assignees - inventors removed

COCA COLA

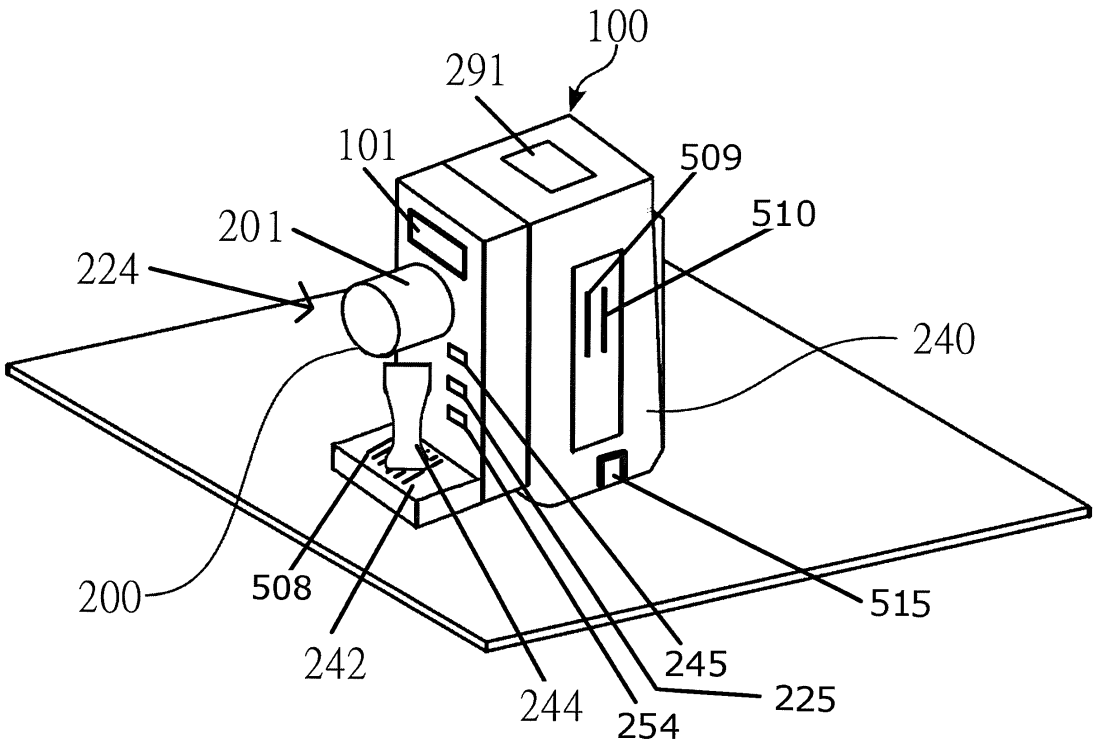
Family 176/200 - FAMPAT - ©Questel

Title

(US10336597)

Capsule-based alcoholic beverage forming apparatus and components thereof

Images



Publication data including kind & date

US10336597	B2	2019-07-02	US10336597
US20160280527	A1	2016-09-29	US20160280527

Abstract

(US20160280527)

An alcoholic beverage forming apparatus operable to dispense an alcoholic beverage having a desired flavor, proof, temperature, and volume mixes water and alcohol with a flavor medium to form an alcoholic beverage having a desired flavor that may be dispensed from the apparatus. The apparatus includes a capsule holder, a water supply reservoir and an alcohol supply reservoir. The reservoirs are operable to respectively supply water and alcohol to a mixing manifold of the apparatus to such that the water and alcohol are combined in the mixing manifold to form an alcoholic beverage mixture which is subsequently mixed with a flavor medium contained in an interior of a beverage capsule. A dispenser is operable to dispense an alcoholic beverage therefrom during operation of the alcoholic beverage forming apparatus.

Inventors

GRISCIK GREGORY JAMES
WATSON JONATHAN DAVID
MILLER CARL GREGORY
ALTOVEROS ROSANA C
TIPTON LAWRENCE E
STRAIGHT JEREMY
ALVAREZ DAVID
NELSON JOHN

Latest standardized assignees - inventors removed

ALTRIA CLIENT SERVICES

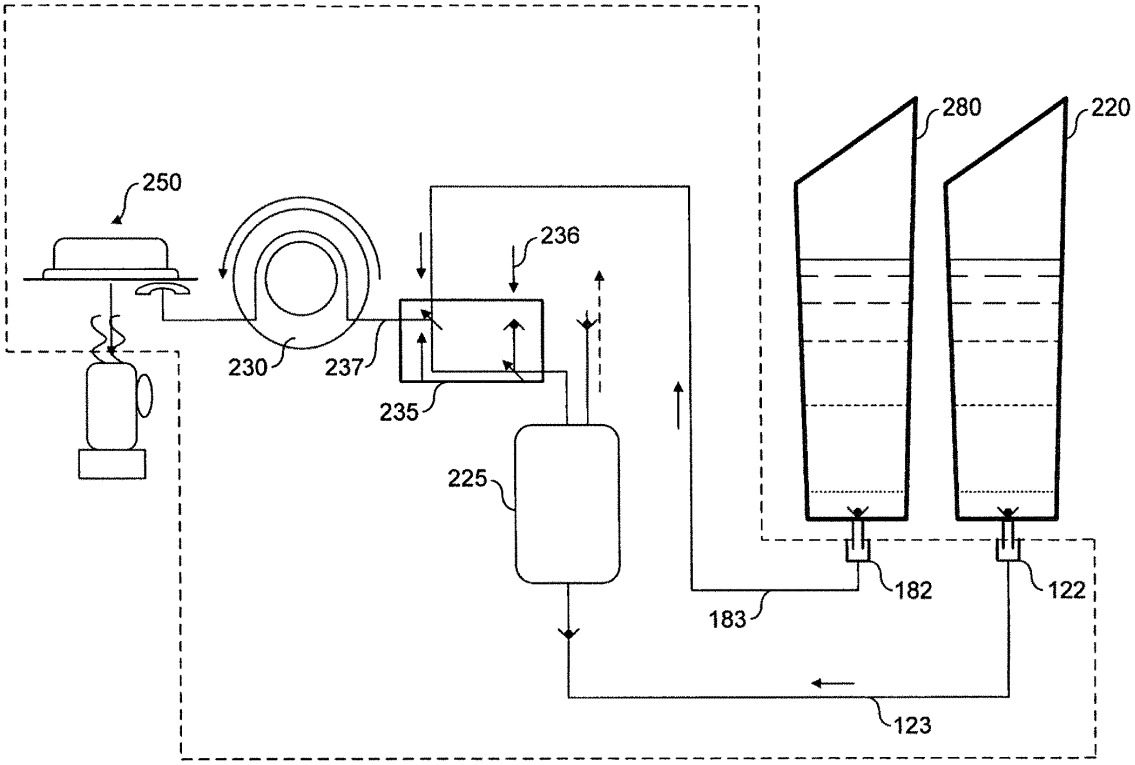
Family 177/200 - FAMPAT - ©Questel

Title

(US9668606)

Machine for the preparation of beverages

Images



Publication data including kind & date

US9668606	B2	2017-06-06	US9668606
US20150068403	A1	2015-03-12	US20150068403

Abstract

(US20150068403)

A beverage preparation machine for dispensing beverages comprising: a housing; a first reservoir station; a first reservoir for containing an aqueous medium, the first reservoir being connectable to said first reservoir station; an auxiliary module station for receiving an auxiliary module.

Inventors

BENTLEY ANDREW CHARLES

LLOYD ADAM MARTYN

Latest standardized assignees - inventors removed

DOUWE EGBERTS

Family 178/200 - FAMPAT - ©Questel

Title

(US5731981)

Beverage dispensing system for bar

Images

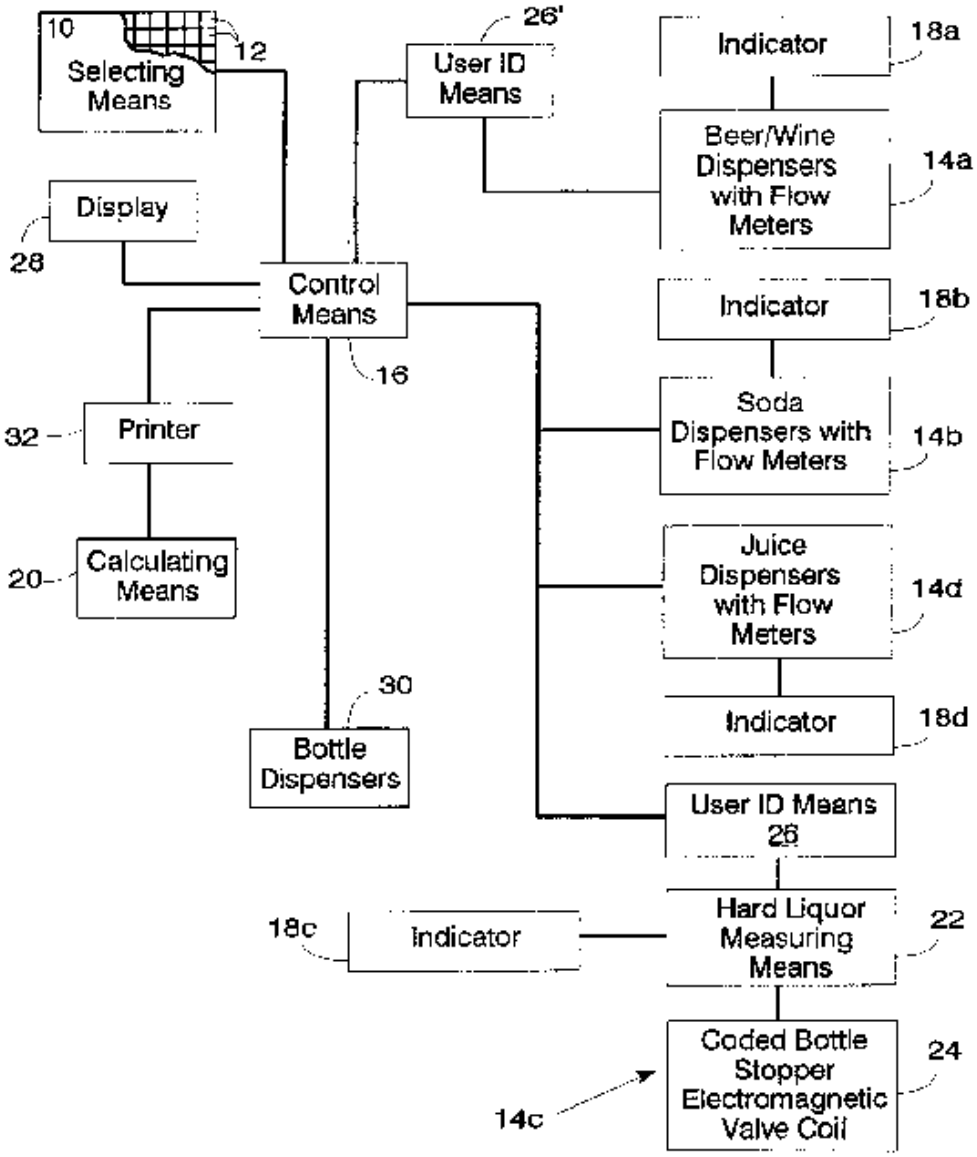


FIG. 1

Publication data including kind & date

US5731981 A 1998-03-24 US5731981

Abstract

(US5731981)

The system controls the dispensing of beverages in a bar. The system has individual manually actuated beverage dispensers equipped with electrically controlled flow valve devices which meter and dispense variable amounts of beverages upon command by a user. The system is provided with a key pad offering a selection of beverage mixes. A control device is connected to the beverage dispensers and the key pad for recording use of the beverage dispensers by the user, and for causing the flow valve devices of the dispensers used to make up a beverage mix selected on the key pad to dispense the amounts of beverage prescribed for the selected beverage mix. The controller provides for a controlled use of the beverage dispensers for preparing a beverage mix selected on the key pad in addition to a direct manual use of the

beverage dispensers by the user. An anti-tamper circuit for use with coded electromagnetic valve bottle stoppers is also included in the system to detect magnetic fields in the vicinity of the coded electromagnetic valve bottle stoppers and trigger an alarm indicating possible fraudulent dispensation of liquor.

Inventors

SIMARD GILBERT

Latest standardized assignees - inventors removed

AZBAR

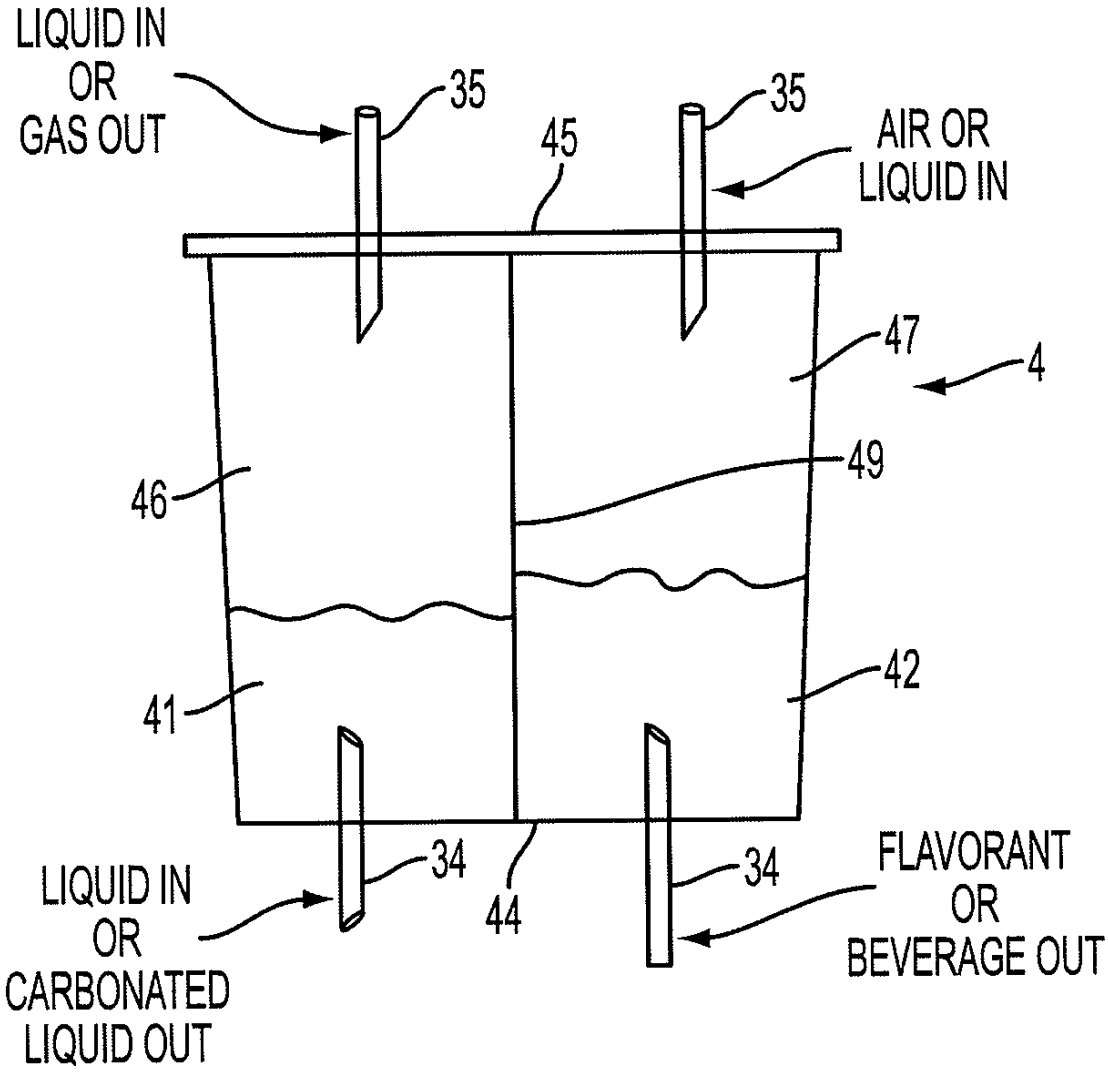
Family 179/200 - FAMPAT - ©Questel

Title

(EP2531080)

Method and apparatus for cartridge-based carbonation of beverages

Images



Publication data including kind & date

US10343885	B2	2019-07-09	US10343885
CA2788496	C	2019-01-08	CA2788496
US9790076	B2	2017-10-17	US9790076
MY163441	A	2017-09-15	MY-163441
TWI583311	B	2017-05-21	TWI583311
ES2612103	T3	2017-05-12	ES2612103
HK1179490	A1	2017-02-10	HK1179490

DK2921087	T3	2017-01-30	DK2921087T
JP6058079	B2	2016-12-16	JP6058079
JP6058080	B2	2016-12-16	JP6058080
JP6058744	B2	2016-12-16	JP6058744
HK1216288	A1	2016-11-04	HK1216288
HK1216289	A1	2016-11-04	HK1216289
EP2921087	B1	2016-10-19	EP2921087
HK1213747	A1	2016-07-15	HK1213747
ES2563195	T3	2016-03-11	ES2563195
DK2786682	T3	2016-02-22	DK2786682T
CN102843938	B	2016-01-20	CN102843938B
EP2786682	B1	2015-12-09	EP2786682
JP2015214374	A	2015-12-03	JP2015214374
JP2015214375	A	2015-12-03	JP2015214375
JP2015166271	A	2015-09-24	JP2015166271
EP2921087	A1	2015-09-23	EP2921087
ES2540244	T3	2015-07-09	ES2540244
DK2754376	T3	2015-06-29	DK2754376T
JP5766212	B2	2015-06-26	JP5766212
ES2532901	T3	2015-04-01	ES2532901
EP2754376	B1	2015-03-25	EP2754376
DK2531080	T3	2015-02-16	DK2531080T
NZ620266	A	2014-12-24	NZ-620266
EP2531080	B1	2014-11-12	EP2531080
US20140326144	A1	2014-11-06	US20140326144
US20140328980	A1	2014-11-06	US20140328980
EP2786682	A1	2014-10-08	EP2786682
US8808775	B2	2014-08-19	US8808775
EP2754376	A1	2014-07-16	EP2754376
IN7583/DELNP/2012	A	2014-03-07	IN2012DN07583
AU2011210627	B2	2014-02-20	AU2011210627
NZ602118	A	2014-01-31	NZ-602118
BR112012019152	A1	2013-06-18	BR112012019152
JP2013518778	A	2013-05-23	JP2013518778
TH121667	A	2013-02-28	TH-121667
CN102843938	A	2012-12-26	CN102843938
VN31966	A	2012-12-25	VN--31966
EP2531080	A2	2012-12-12	EP2531080
KR20120134118	A	2012-12-11	KR20120134118
MX2012008857	A	2012-12-05	MX2012008857
AU2011210627	A1	2012-09-20	AU2011210627
TW201141397	A	2011-12-01	TW201141397
WO2011/094677	A3	2011-11-03	WO201194677
US20110226343	A1	2011-09-22	US20110226343
CA2788496	A1	2011-08-04	CA2788496
CA3024818	A1	2011-08-04	CA3024818
WO2011/094677	A2	2011-08-04	WO201194677

Abstract

(EP2531080)

Systems, methods and cartridges for carbonating a precursor liquid, such as water, to form a beverage. A carbon dioxide source (41) can be provided in a cartridge (4) which is used to generate carbon dioxide gas that is dissolved into the precursor liquid (2). A beverage medium (42), such as a powdered drink mix or liquid syrup, may be provided in the same, or a separate cartridge (4b) as the carbon dioxide source and mixed with the precursor liquid (2) to form a beverage. The use of one or more cartridges for the carbon dioxide source and/or beverage medium may make for an easy to use and mess -free system for making carbonated beverages, e.g., in the consumer's home.

Inventors

NOVAK THOMAS J

PACKARD ROSS

PETERSON PETER

GULLA SHAWN

Latest standardized assignees - inventors removed

KEURIG GREEN MOUNTAIN

BEDFORD SYSTEMS

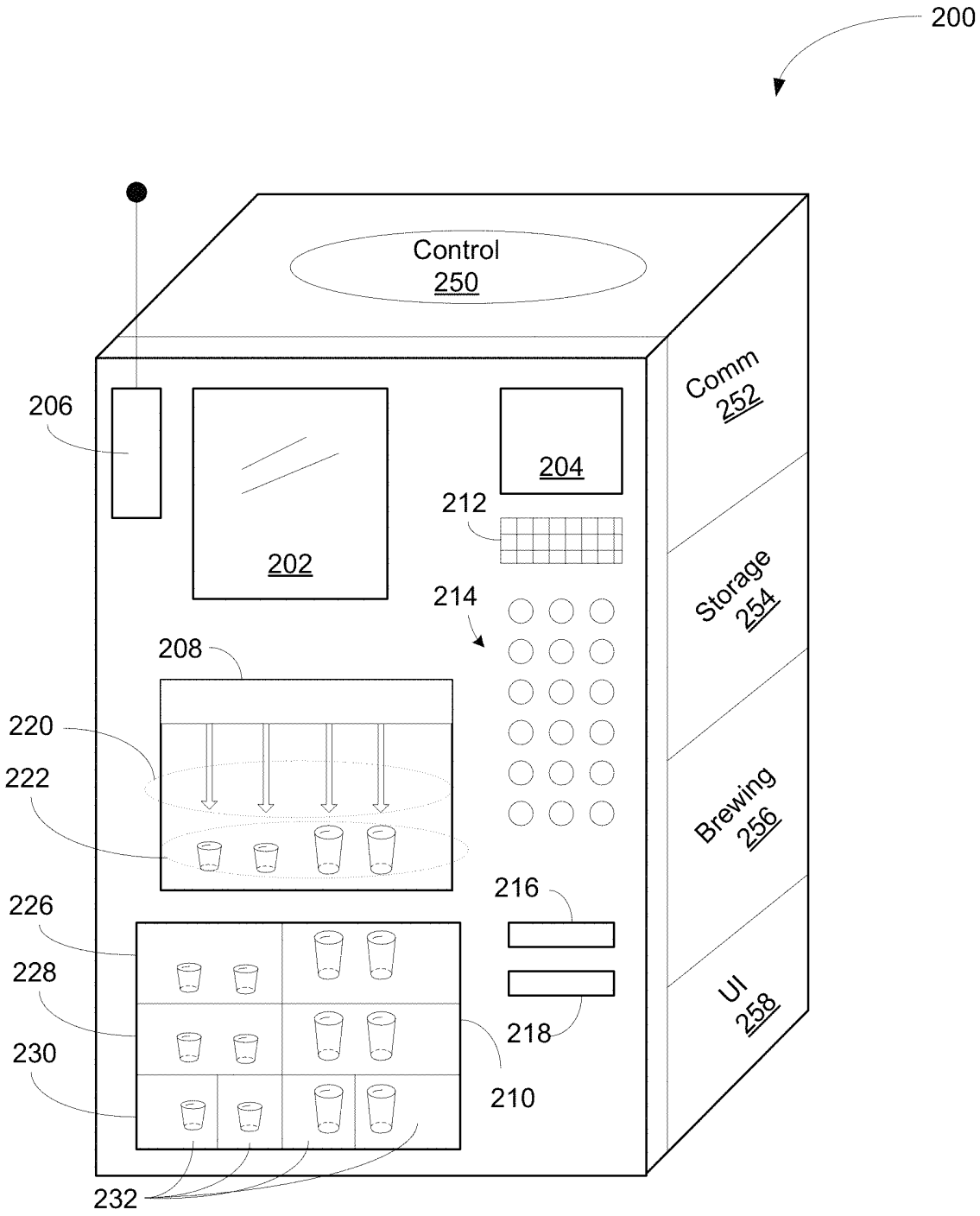
Family 180/200 - FAMPAT - ©Questel

Title

(US9883377)

Apparatus for facilitating automatic beverage preparation via cyber ordering

Images



Publication data including kind & date

US9883377	B2	2018-01-30	US9883377
US20150230653	A1	2015-08-20	US20150230653

Abstract

(US20150230653)

Method and automatic beverage-dispensing unit (“ABU”) capable of automatically preparing beverage in accordance with an order via a communications network are included. In one aspect, ABU includes a communication device, a beverage preparing device, and a beverage dispenser wherein the communication device communicates with a user via a wireless communications network. The beverage preparing device, in one example, includes a pod mixer and a liquid receptacle, wherein the pod mixer is configured to select a first pod from multiple pods in accordance with the order from a user. The liquid receptacle prepares liquid substance such as water based on the pod selected. The beverage dispenser mixes the pod and the liquid substance to produce a beverage which is stored in a temperature controlled dispensing compartment for pickup.

Inventors

CHENG BI

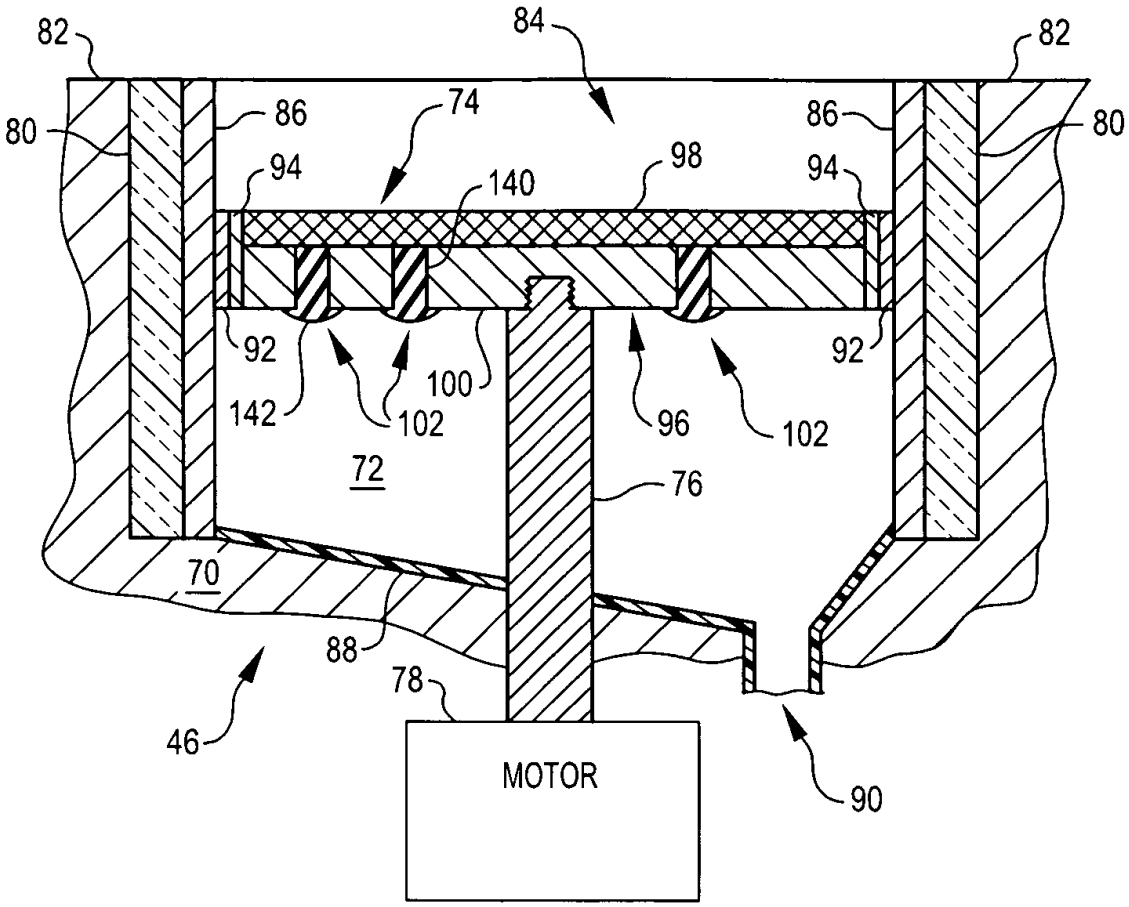
Family 181/200 - FAMPAT - ©Questel

Title

(US20100024657)

Machine for brewing a beverage such as coffee and related method

Images



Publication data including kind & date

US8794127	B2	2014-08-05	US8794127
US8371211	B2	2013-02-12	US8371211
US20110088560	A1	2011-04-21	US20110088560
US20100154645	A1	2010-06-24	US20100154645
US7673555	B2	2010-03-09	US7673555
US20100024657	A9	2010-02-04	US20100024657
US20090095165	A1	2009-04-16	US20090095165
US20070068393	A1	2007-03-29	US20070068393

Abstract

(US20090095165)

A machine for brewing a beverage such as coffee includes a chamber and a piston disposed in the chamber. The piston is operable to move to a first position to allow the chamber to receive a liquid and a flavor base such as ground coffee, to remain in the first position for a time sufficient for the beverage to brew, and to move to a second position to dispense the beverage by forcing the beverage out of the chamber. By modifying some or all steps of the French press brewing technique, the machine can typically control coffee-brewing parameters with a level of precision that yields brewed coffee having a uniform taste from cup to cup, and can typically brew the coffee with a speed that renders the machine suitable for use by establishments that serve significant amounts of coffee.

Inventors

NOSLER ZANDER

HULETT RANDY

WYER JORAH

BAUM MICHAEL

ALLISON JEFF

Latest standardized assignees - inventors removed

STARBUCKS

Family 182/200 - FAMPAT - ©Questel

Title

(EP-726225)

Beverage dispensing system with bottle identification mechanism

Images

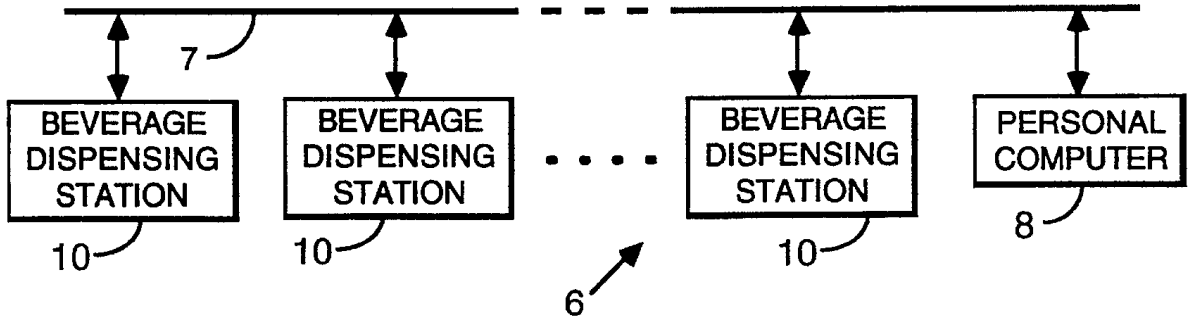


FIG. 1

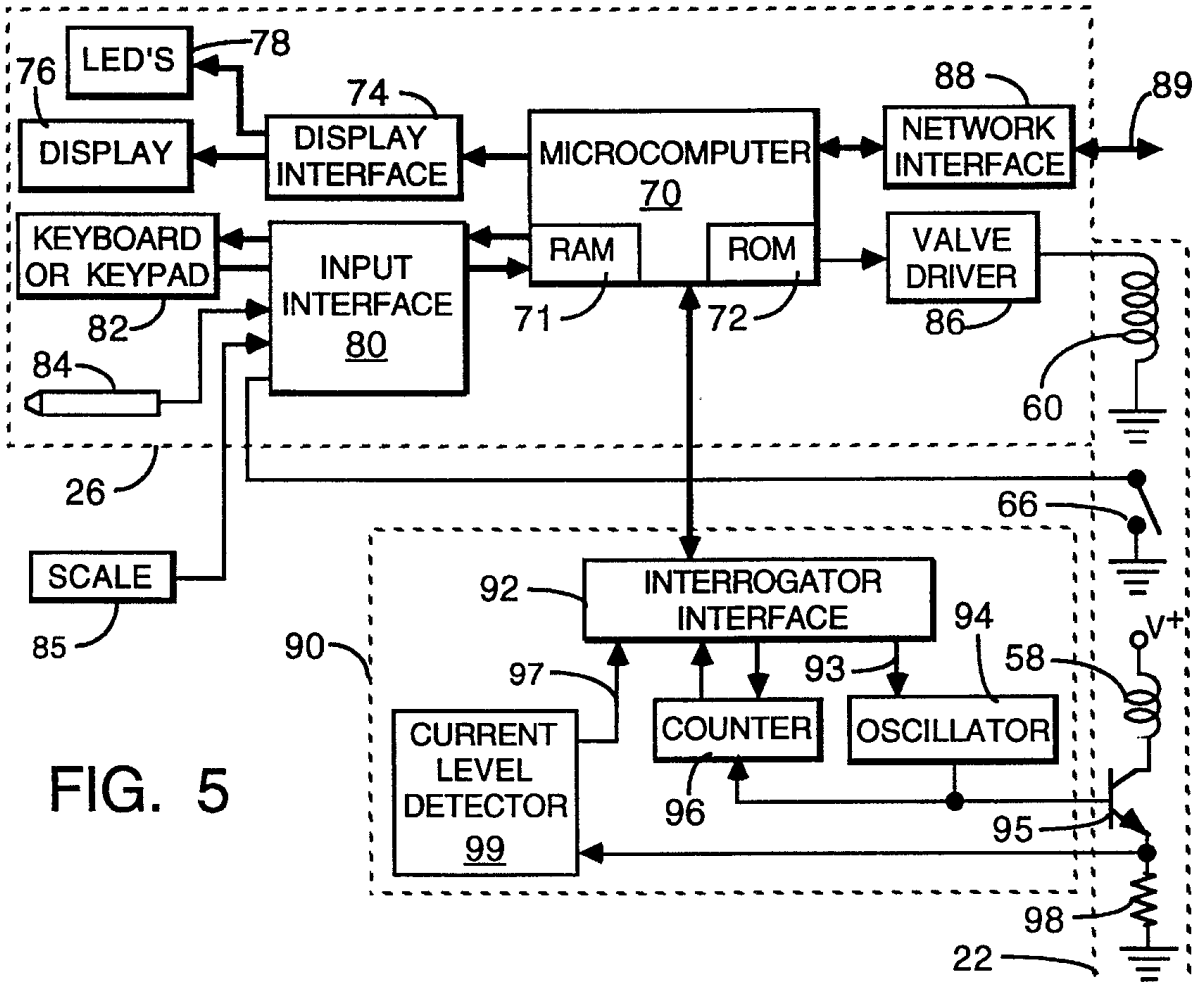


FIG. 5

Publication data including kind & date

CA2168318	C	2000-04-11	CA2168318
DK0726225	T3	1999-04-19	DK-726225T
DE69600420	T2	1999-01-07	DE69600420
DE69600420	D1	1998-08-20	DE69600420
AT168355	T	1998-08-15	ATE168355
EP0726225	B1	1998-07-15	EP-726225
US5603430	A	1997-02-18	US5603430
EP0726225	A1	1996-08-14	EP-726225
CA2168318	A1	1996-08-11	CA2168318

Abstract

(EP0726225)

A separate spout (18) is attached to each open bottle (14) in a tavern with each spout (18) having a magnetically operable valve (44) to control the flow of liquor from the bottle. To pour liquor from a bottle, an actuator (22) is placed over the spout (18). An interrogator (90) coupled to an interrogator coil (58) in the actuator (22) for sending an activation signal to a transponder (52) in the spout to read a unique spout identification code. A memory (71) provides a group of storage locations for each spout with each group storing an identification code and data regarding a total volume dispensed from the bottle (14) to which the particular spout (18) is attached, a quantity present in the particular bottle when full, and a price per volume unit. A controller (26) energizes a valve operating coil (60) in the actuator (22) to open a valve (44) in response to the interrogator (90) reading the spout identification code. Then, the controller (26) accesses the memory (71) and updates data in for the identified spout (18). The system (6) accounts for the amount of liquor dispensed from each bottle (14) and the value of that liquor to monitor the liquor inventory and sales.

Inventors

LOEHRKE JOHN M

HILDEBRECHT THOMAS L

Latest standardized assignees - inventors removed

BERG DEALER C

BANK OF AMERICA

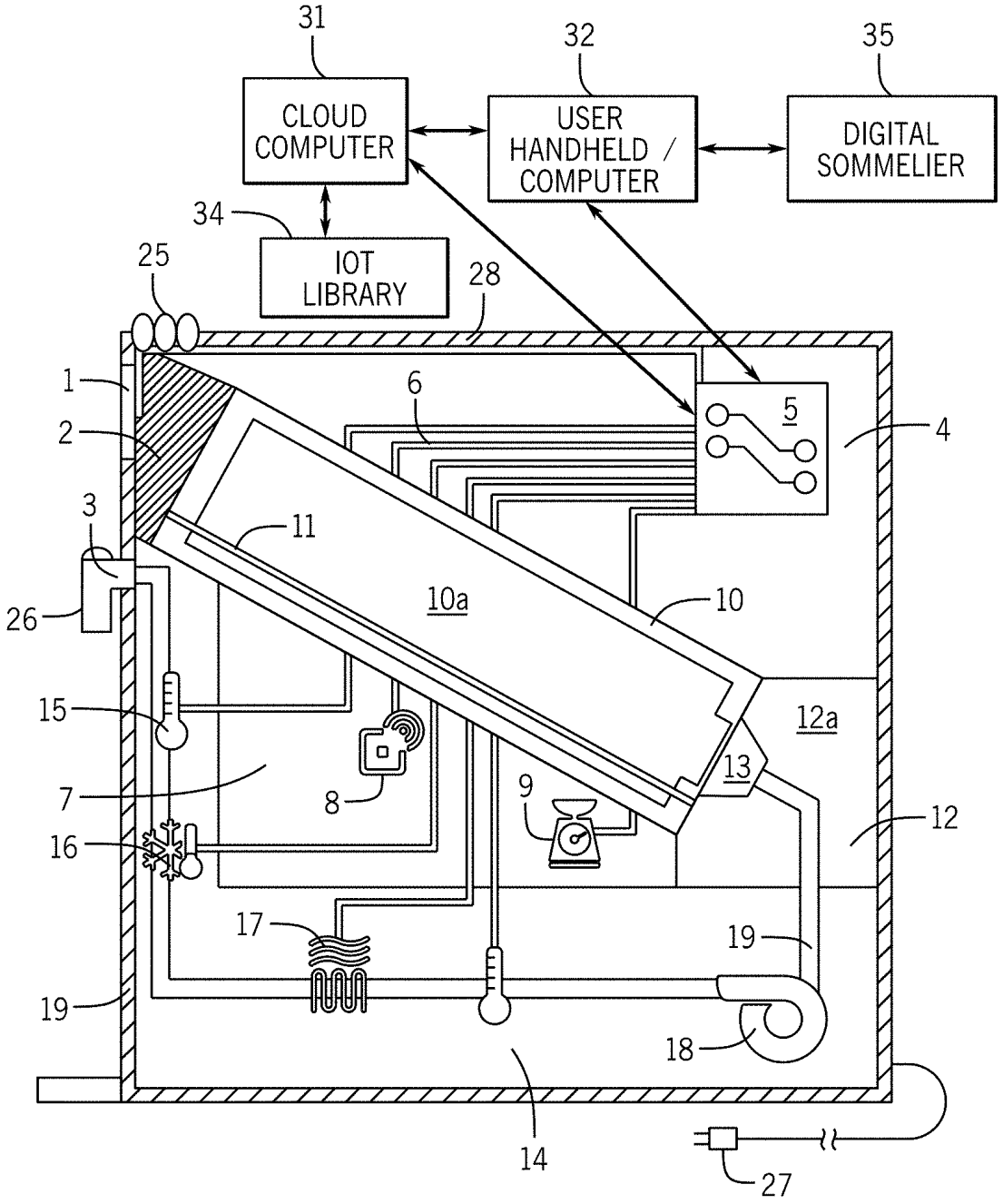
Family 183/200 - FAMPAT - ©Questel

Title

(US20180194607)

Beverage dispensing system

Images



Publication data including kind & date

US20180194607	A1	2018-07-12	US20180194607
US9963338	B2	2018-05-08	US9963338
US20160159633	A1	2016-06-09	US20160159633

Abstract

(US20180194607)

A liquid dispensing system is disclosed. The liquid system includes a housing, a vessel fluidly connected to the housing and containing a liquid, a preservation subsystem positioned within the housing and in fluid communication with the vessel and a liquid outlet operably connected to the housing and in fluid communication with the vessel. In operation, the preservation subsystem reduces oxidization of the fluid within the vessel, while allowing the fluid to be dispensed through the liquid outlet.

Inventors

DIFFENDERFER CINDY

Latest standardized assignees - inventors removed

MIAVINA

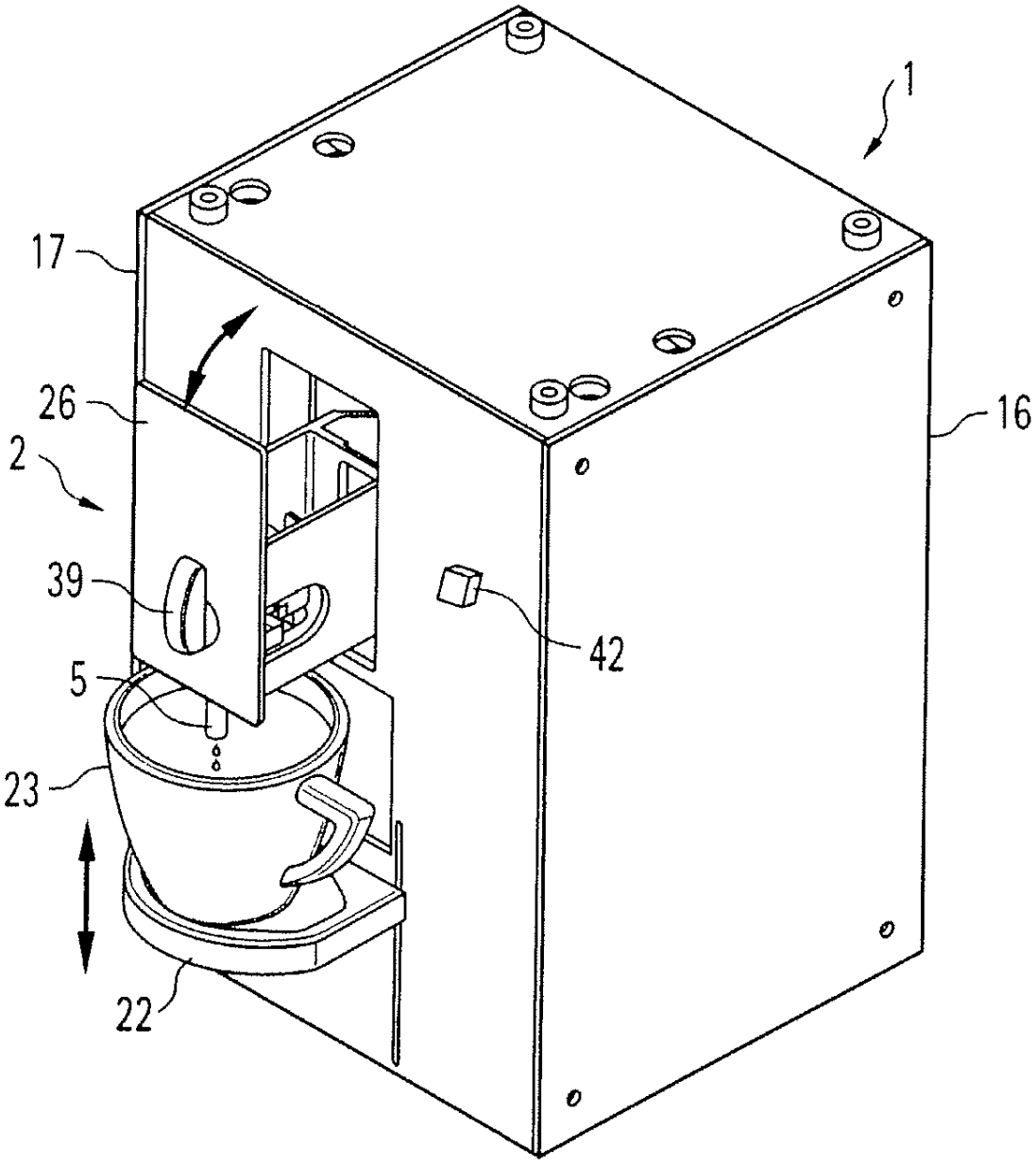
Family 184/200 - FAMPAT - ©Questel

Title

(EP1656863)

Self-cleaning mixing head for producing a milk-based mixture and beverage production machines comprising such a mixing head

Images



Publication data including kind & date

EP2218378	B1	2018-03-28	EP2218378
BRPI0517471	A2	2015-07-07	BR200517471
EP2218378	A3	2014-07-30	EP2218378
HK1112167	A1	2013-11-08	HK1112167
CA2586942	C	2013-11-05	CA2586942
ES2421310	T3	2013-08-30	ES2421310
PT1830683	E	2013-07-16	PT1830683
KR101268683	B1	2013-05-29	KR101268683
BRPI0517801	A2	2013-05-07	BR200517801

EP1830683	B1	2013-04-24	EP1830683
US8333144	B2	2012-12-18	US8333144
HK1112165	A1	2012-07-27	HK1112165
ES2381017	T3	2012-05-22	ES2381017
PT1811881	E	2012-04-12	PT1811881
AT547971	T	2012-03-15	ATE547971
EP1811881	B1	2012-03-07	EP1811881
JP4884393	B2	2011-12-16	JP4884393
CN101056562	B	2011-07-06	CN101056562B
ES2360218	T3	2011-06-01	ES2360218
HK1087311	A1	2011-05-06	HK1087311
AU2005303987	B2	2011-04-28	AU2005303987
DE602004031632	D1	2011-04-14	DE602004031632
PT1656863	E	2011-03-22	PT1656863
AT499866	T	2011-03-15	ATE499866
EP1656863	B1	2011-03-02	EP1656863
AU2005304129	B2	2011-02-24	AU2005304129
IL182545	B	2010-12-30	IL-182545
IL182810	B	2010-12-30	IL-182810
JP4634463	B2	2010-11-26	JP4634463
EP2218378	A2	2010-08-18	EP2218378
RU2393753	C2	2010-07-10	RU2393753
US20100159097	A1	2010-06-24	US20100159097
US20100128557	A1	2010-05-27	US20100128557
CN101056561	B	2010-05-05	CN101056561B
US7707927	B2	2010-05-04	US7707927
US7681491	B2	2010-03-23	US7681491
RU2378971	C2	2010-01-20	RU2378971
SG157370	A1	2009-12-29	SG-157370
SG156693	A1	2009-11-26	SG-156693
ZA200705055	B	2009-09-30	ZA200705055
RU2007121669	A	2008-12-20	RU2007121669
RU2007121689	A	2008-12-20	RU2007121689
TNSN07179	A1	2008-11-21	TN0700179
TNSN07180	A1	2008-11-21	TN0700180
BRPI0517801	A	2008-10-21	BR200517801
BRPI0517801	A1	2008-10-21	BRPI0517801
BRPI0517471	A	2008-10-07	BR200517471
BRPI0517471	A1	2008-10-07	BR200517471
ZA200705049	B	2008-09-25	ZA200705049
TWI299984	B	2008-08-21	TWI299984
JP2008519587	A	2008-06-12	JP2008519587
JP2008519618	A	2008-06-12	JP2008519618
MA29003	B1	2007-11-01	MA--29003
MA29010	B1	2007-11-01	MA--29010
US20070242561	A1	2007-10-18	US20070242561
CN101056561	A	2007-10-17	CN101056561
CN101056562	A	2007-10-17	CN101056562

IL182545	A	2007-09-20	IL-182545
US20070209521	A1	2007-09-13	US20070209521
EP1830683	A2	2007-09-12	EP1830683
IN3432/DELNP/2007	A	2007-08-31	IN2007DN03432
IN3556/DELNP/2007	A	2007-08-31	IN2007DN03556
KR20070084130	A	2007-08-24	KR20070084130
KR20070084160	A	2007-08-24	KR20070084160
IL182810	A	2007-08-19	IL-182810
NO20072970	L	2007-08-07	NO20072970
EP1811881	A2	2007-08-01	EP1811881
MX2007005641	A	2007-07-09	MX2007005641
MX2007005584	A	2007-07-05	MX2007005584
HRP20070199	A2	2007-06-30	HRP20070199
NO20072979	L	2007-06-11	NO20072979
HRP20070160	A2	2007-05-31	HRP20070160
WO2006/050881	A3	2007-04-05	WO200650881
TW200635548	A	2006-10-16	TW200635548
WO2006/050769	A3	2006-08-24	WO200650769
AU2005303987	A1	2006-05-18	AU2005303987
AU2005304129	A1	2006-05-18	AU2005304129
CA2585303	A1	2006-05-18	CA2585303
CA2586942	A1	2006-05-18	CA2586942
WO2006/050769	A2	2006-05-18	WO200650769
WO2006/050881	A2	2006-05-18	WO200650881
EP1656863	A1	2006-05-17	EP1656863

Abstract

(EP1656863)
A device for producing a mixture of milk and water steam has a mixing head (2) presenting a water inlet (10), a milk inlet (3), the water inlet (10) and the milk inlet (3) being adapted to supply water steam and milk, respectively, to a mixing area adapted to mix and emulsify the supplied, an outlet nozzle (5) for draining the emulsified mixture, a rinsing medium supply (6), and a milk supply. In order to rinse the mixing head (2) a mechanism is provided for selectively bringing the milk inlet (3) in fluid connection with the rinsing medium supply (6) and the milk supply, such that selectively milk or water can enter the milk inlet (3) and thus the mixing head (2). In a rinsing mode of the device the following steps are carried out: bringing the milk inlet (3) in fluid contact with a rinsing medium supply (6), and having the water enter the mixing head (2) a the milk inlet (3) and pass through the mixing head (2) in order to leave the mixing head (2) at the outlet nozzle (5) and into a milk supply receptacle.

Inventors

AGON FABIEN
BOUSSEMART CHRISTOPHE
YOAKIM ALFRED
RYSER ANTOINE

Latest standardized assignees - inventors removed

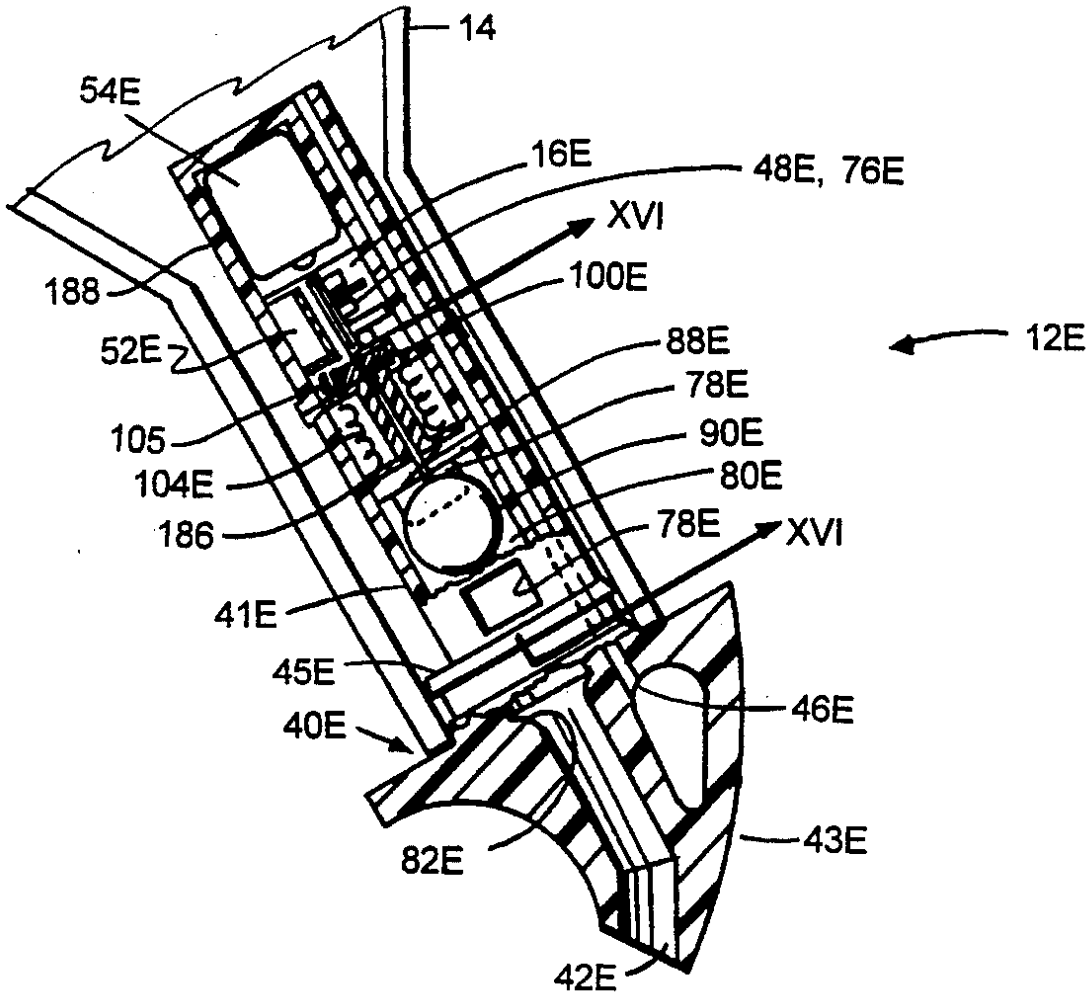
NESTLE

Family 185/200 - FAMPAT - ©Questel

Title

(US5505349)
Electronic dispensing heads

Images



Publication data including kind & date

US5505349 A 1996-04-09 US5505349

Abstract

(US5505349)

A liquid dispensing method and apparatus has a system with new individual dispensing heads connectible one each to a plurality of different liquid bottles, i.e. liquor, and a remote dispensing data receiver and computer that receives data from each head. Each head has structure for being secured to a bottle, a liquid bore and an air vent, and one or more of the following features and functions: an electronic dispensing timer, a stop pour annunciator, a magnetically latched dispensing control valve, an electronic bottle lock, a radio transmitter and antenna, an electronic fractional pour annunciator, programmable dispensing control, a micro-processor computer, a data storage, a data I/O structure, and structure and function for uniquely electrically identifying each head and liquid. The receiver/computer has a data receiver and has structure and function to electronically program each head, the computer provides a record of all important dispensing data including head connection to bottles, head numbers, liquid identities, quantities of dispense cycle, quantity of liquid dispensed, inventory status and other desirable business data. The annunciator equipped head has an interior light that illuminates the entire transparent or translucent head.

Inventors

PECKELS ARGANIOUS E

Latest standardized assignees - inventors removed

BANK OF AMERICA

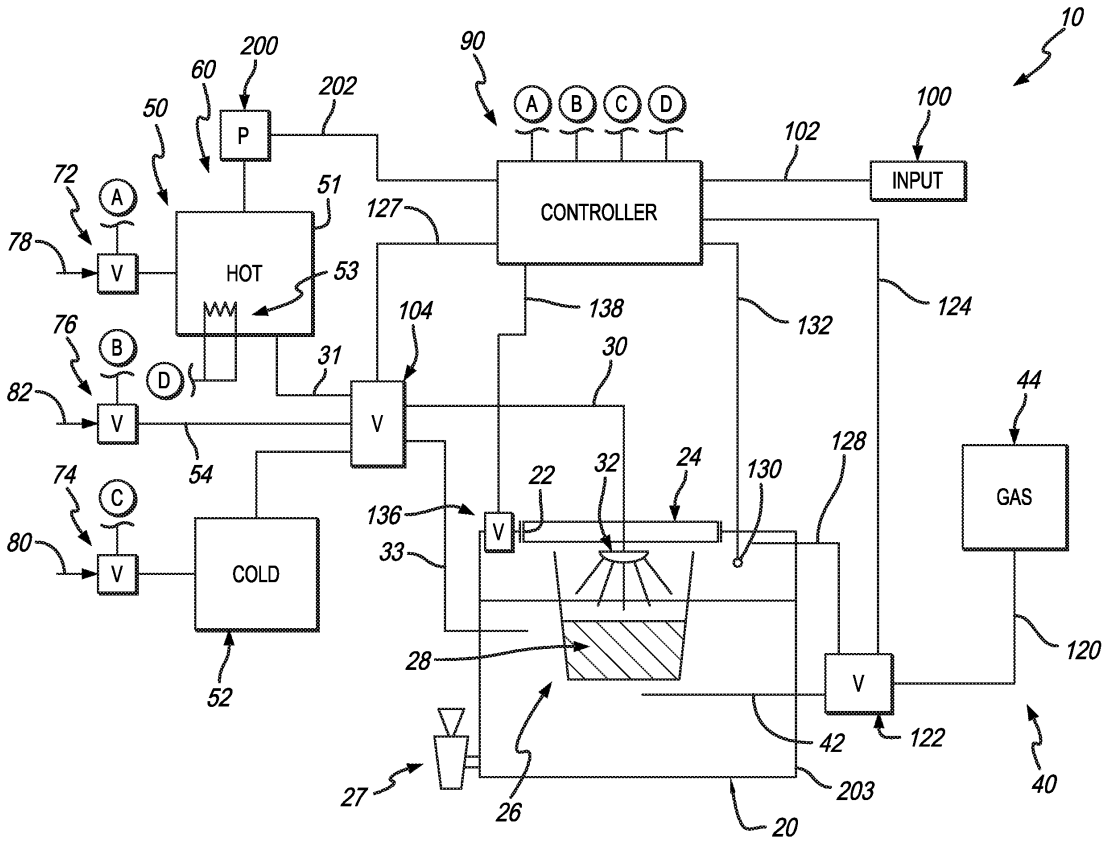
Family 186/200 - FAMPAT - ©Questel

Title

(EP3280302)

Cold brew system, method and apparatus

Images



Publication data including kind & date

US10278533	B2	2019-05-07	US10278533
EP3280302	A4	2019-01-02	EP3280302
CN108024655	A	2018-05-11	CN108024655
US20180098658	A1	2018-04-12	US20180098658
EP3280302	A1	2018-02-14	EP3280302
CA2982166	A1	2016-10-13	CA2982166
WO2016/164796	A1	2016-10-13	WO2016164796

Abstract

(EP3280302)

A cold beverage brewing system includes a container and a supply of water. The container holds a brewing substance which forms a brewed beverage when combined with the water. The water supplied to the container for brewing can be at a variety of temperatures, including ambient or below ambient temperatures. The system is controllably pressurized with a gas, preferably nitrogen, and controllably dispensed to provide a brewed beverage with selected characteristics in a relatively short period of time.

Inventors

ANGELL JONATHAN RUSSELL
BISHOP JOHN DOUGLAS
MCCLAIN CHAIRIL
MCDERMOTT KARALYNN M
CLARK CHARLES H
BENSON KENNETH JOHN
HUMPHREY MATTHEW CHRISTOPHER

Latest standardized assignees - inventors removed

BUNN O MATIC

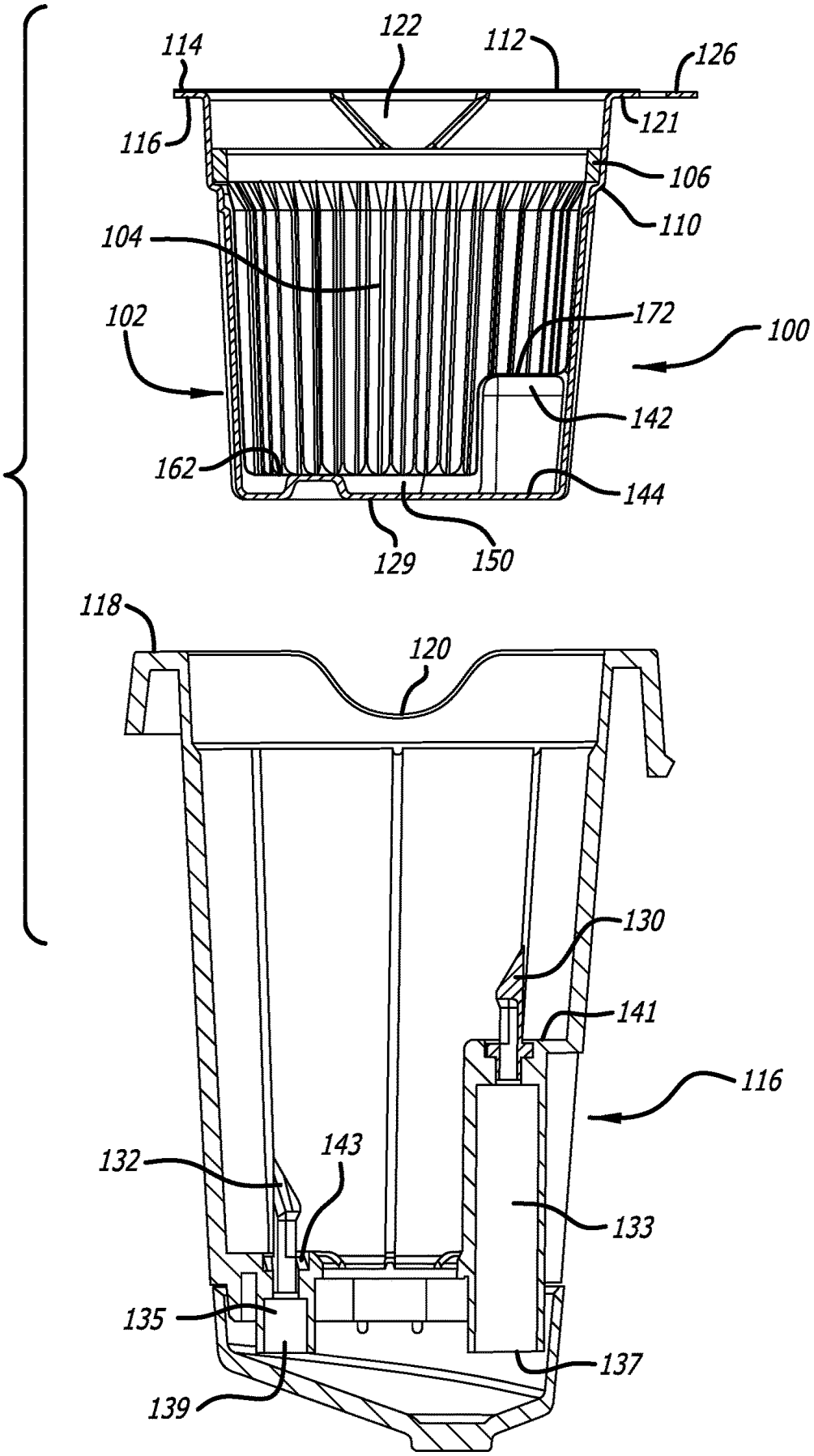
Family 187/200 - FAMPAT - ©Questel

Title

(WO2013192625)

Beverage brewing system

Images



Publication data including kind & date

CN104619188	B	2019-02-19	CN104619188B
US20190009979	A1	2019-01-10	US20190009979

JP6407383	B2	2018-10-17	JP6407383
JP2018020152	A	2018-02-08	JP2018020152
US9815617	B2	2017-11-14	US9815617
US9801495	B2	2017-10-31	US9801495
US20170265675	A9	2017-09-21	US20170265675
US20170164782	A1	2017-06-15	US20170164782
US20170166392	A1	2017-06-15	US20170166392
CA2876920	C	2016-08-23	CA2876920
JP2015530882	A	2015-10-29	JP2015530882
CN104619188	A	2015-05-13	CN104619188
KR20150034182	A	2015-04-02	KR20150034182
CA2876920	A1	2013-12-27	CA2876920
WO2013/192625	A1	2013-12-27	WO2013192625
US20130340626	A1	2013-12-26	US20130340626
US20130344205	A1	2013-12-26	US20130344205

Abstract

(WO2013/192625)

A beverage cartridge system is adapted to brew a beverage through a brewer having a holder adapted to receive the cartridge system. The holder may have a deep well with one or more needles therewithin to pierce through the bottom of the cartridge system when inserted into the well. The cartridge system may include a short cup and a tall cup, where the tall cup is taller than the short cup to pack more beverage grind. The cartridge system may include a filter within an outer cup. The bottom of the filter may be deep enough to be juxtaposed to the bottom of the cup. The filter may be formed from a material that is substantially resistant to piercing by the needle within the holder such that when the outlet needle pierces through the bottom of the cup, the outlet needle raises the filter at a point of contact, and the filter substantially resists the outlet needle from piercing through the filter during a brewing process.

Inventors

OH SUNG

Latest standardized assignees - inventors removed

TOUCH COFFEE & BEVERAGES

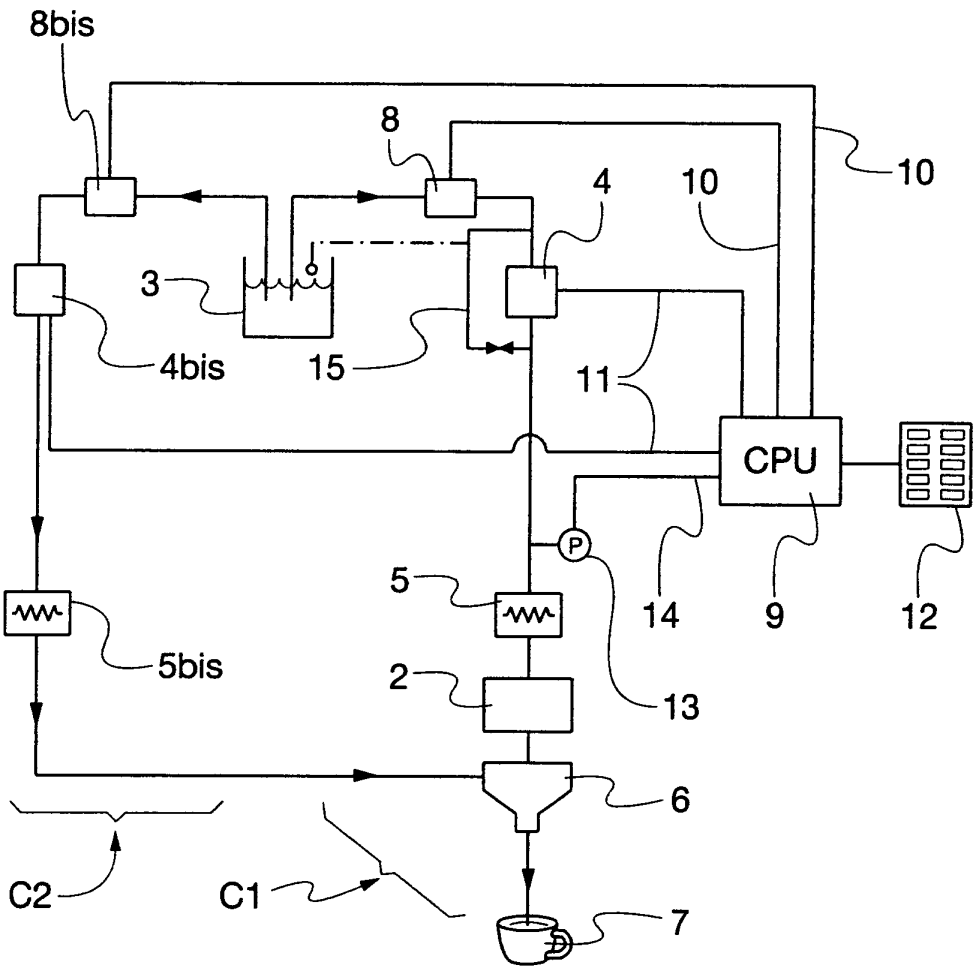
Family 188/200 - FAMPAT - ©Questel

Title

(EP3207835)

Device and method for preparation of beverages with differing tastes

Images



Publication data including kind & date

CA2800144	C	2019-02-12	CA2800144
US9993106	B2	2018-06-12	US9993106
EP3207835	A1	2017-08-23	EP3207835
ES2623755	T3	2017-07-12	ES2623755
AU2016204401	B2	2017-06-15	AU2016204401
EP2575561	B1	2017-02-15	EP2575561
MX343546	B	2016-11-08	MX-343546
HK1181622	A1	2016-11-04	HK1181622
BR112012030586	A2	2016-08-16	BR112012030586
AU2016204401	A1	2016-07-21	AU2016204401
AU2011260015	B2	2016-03-31	AU2011260015
JP5878919	B2	2016-02-05	JP5878919
CN103002780	B	2015-11-25	CN103002780B
RU2560251	C2	2015-08-20	RU2560251
SG10201502742U	A	2015-05-28	SG10201502742U
IN10653/DELNP/2012	A	2014-09-26	IN2012DN10653
RU2012156073	A	2014-07-20	RU2012156073
BR112012030586	A1	2013-07-02	BR112012030586
JP2013526995	A	2013-06-27	JP2013526995
US20130129885	A1	2013-05-23	US20130129885
EP2575561	A2	2013-04-10	EP2575561

CN103002780	A	2013-03-27	CN103002780
MX2012013791	A	2013-03-25	MX2012013791
SG185789	A1	2013-01-30	SG-185789
AU2011260015	A1	2012-12-13	AU2011260015
WO2011/151703	A3	2012-08-02	WO2011151703
CA2800144	A1	2011-12-08	CA2800144
WO2011/151703	A2	2011-12-08	WO2011151703

Abstract

(EP3207835)

A beverage dispensing machine (1) comprises a first hydraulic circuit (C1) including a water source (3), a pump (4), a water heating means (5), a brewing means (2) selected from a brewing chamber and a capsule, the brewing means having inlet and outlet means, beverage collecting (6) means for collecting brewed beverage leaving said brewing means and for dispensing said beverage to a container, further comprises a second hydraulic circuit (C2) that includes a second pump (4bis) and second water heating means (5bis), the outlet of said second water heating means (5bis) being connected to said first circuit (C1) at a location that is downstream to the said brewing means (2) with respect to the water flow in said first circuit (C1).

Inventors

DOGLIONI MAJER LUCA

Latest standardized assignees - inventors removed

TUTTOESPRESSO

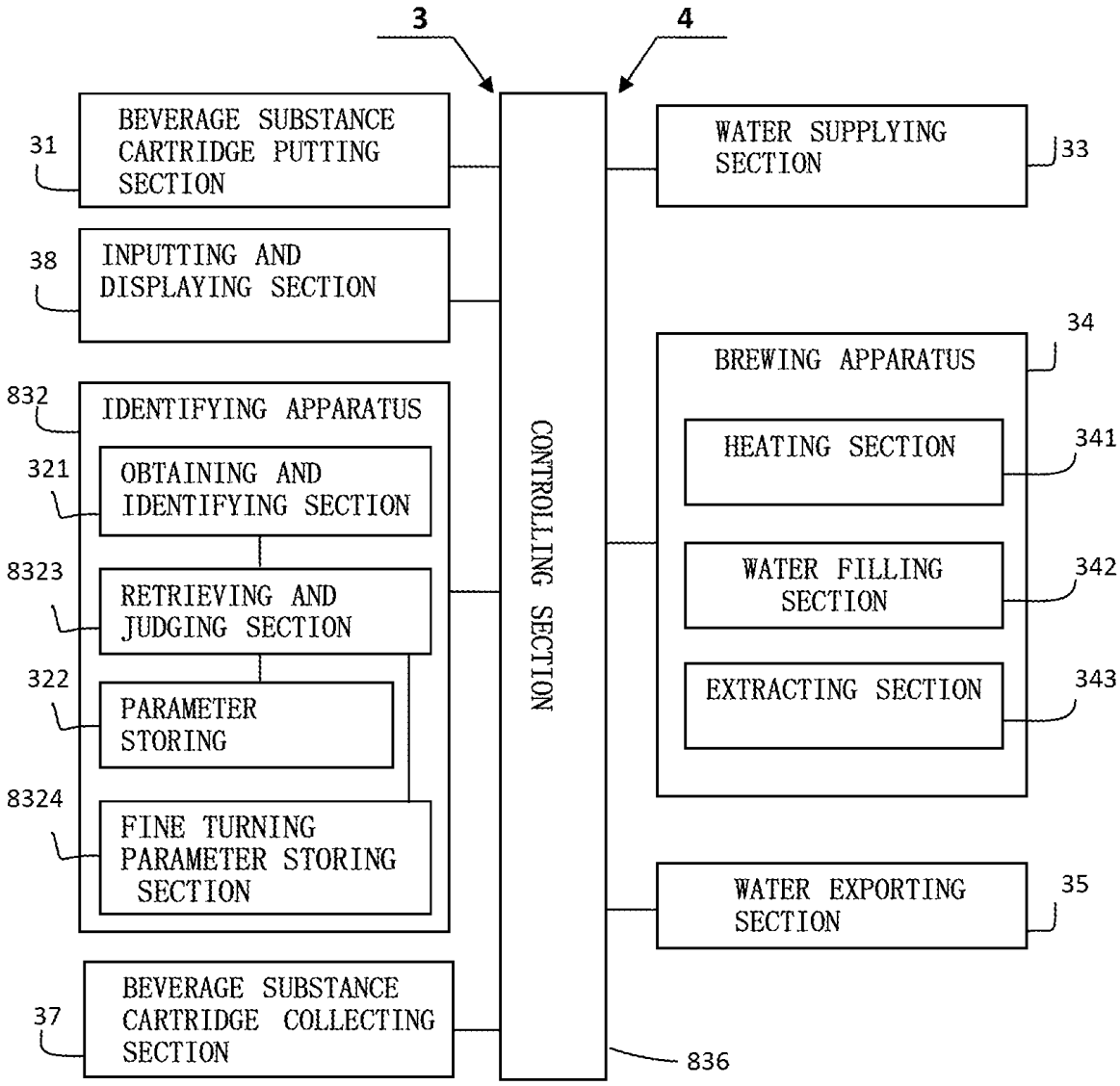
Family 189/200 - FAMPAT - ©Questel

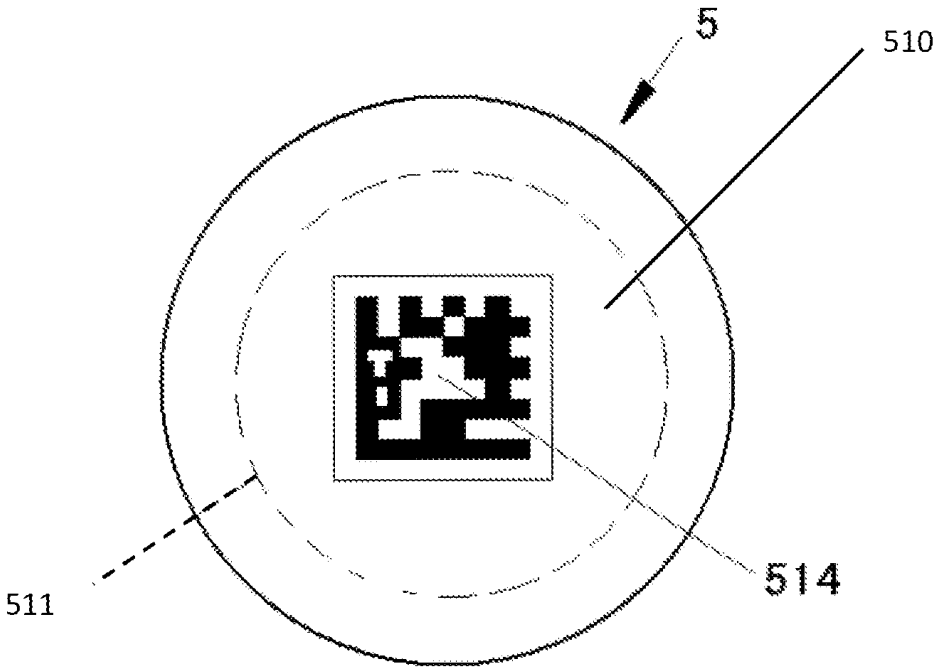
Title

(EP2572609)

Drink material cup, identification device, drink preparation machine, drink preparation system and drink preparation method

Images





Publication data including kind & date

EP2572609 B1 2019-01-09 EP2572609

US9999316	B2	2018-06-19	US9999316
US9918585	B2	2018-03-20	US9918585
US9545171	B2	2017-01-17	US9545171
CN103140154	B	2016-02-17	CN103140154B
EP2572609	A4	2015-11-18	EP2572609
US20150230654	A1	2015-08-20	US20150230654
JP5775928	B2	2015-07-10	JP5775928
US20150132449	A1	2015-05-14	US20150132449
JP2013529112	A	2013-07-18	JP2013529112
US20130142918	A1	2013-06-06	US20130142918
CN103140154	A	2013-06-05	CN103140154
US20130129871	A1	2013-05-23	US20130129871
US20130129876	A1	2013-05-23	US20130129876
EP2572609	A1	2013-03-27	EP2572609
WO2011/144040	A1	2011-11-24	WO2011144040
WO2011/144044	A1	2011-11-24	WO2011144044
WO2011/144047	A1	2011-11-24	WO2011144047
WO2011/144049	A1	2011-11-24	WO2011144049

Abstract

(EP2572609)

The invention provides a beverage substance cartridge, an identifying apparatus, a beverage producing equipment, a beverage producing system and a beverage producing method which could supply water automatically instead of manual work, identify information about beverage substance likewise such as variety and years of tea leaf, and furthermore, take different brewing methods targeting at different beverage substances (e.g. tea leaf) according to identified information in collaboration with pre-stored beverage brewing parameters to make sure every beverage substance could be brewed according to the perfect method, so the advantage of beverage substance will be given into full play. The beverage producing equipment which adopts the invention could yield brewing results accomplished by specialists and furthermore be widely used in offices and homes.

Inventors

YE YANGSHENG

SHI YUSHENG

Latest standardized assignees - inventors removed

TEATEK

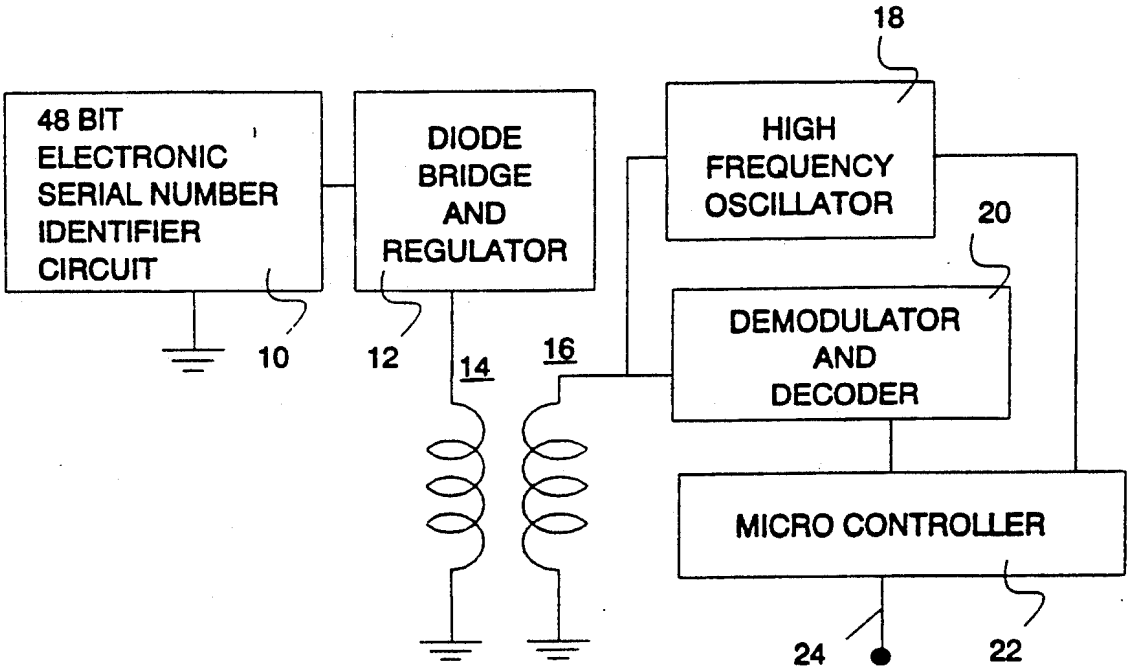
Family 190/200 - FAMPAT - ©Questel

Title

(US5295611)

Beverage dispenser coding device

Images



Publication data including kind & date

US5295611 A 1994-03-22 US5295611

Abstract

(US5295611)

A non-contact coding device working in a magnetic field, for use with a liquor bottle stopper and electromagnetic valve system. The stopper can be provided with a secondary coil and a diode bridge/rectifier circuit for powering a serial number identifier chip, which serially varies the impedance of the secondary coil. A primary coil on activator unit is coupled with the secondary coil to provide power and read the serial number. The activator unit can also be provided with a number of Hall effect transducers, and the stopper a number of metal peg holes, such that when the transducers are aligned on top of the holes, the presence/absence of metal pegs can be read to reproduce the serial number.

Inventors

SIMARD GILBERT

Latest standardized assignees - inventors removed

AZBAR

Family 191/200 - FAMPAT - ©Questel

Title

(EP2757925)

Dispenser for hot and cold beverages

Images

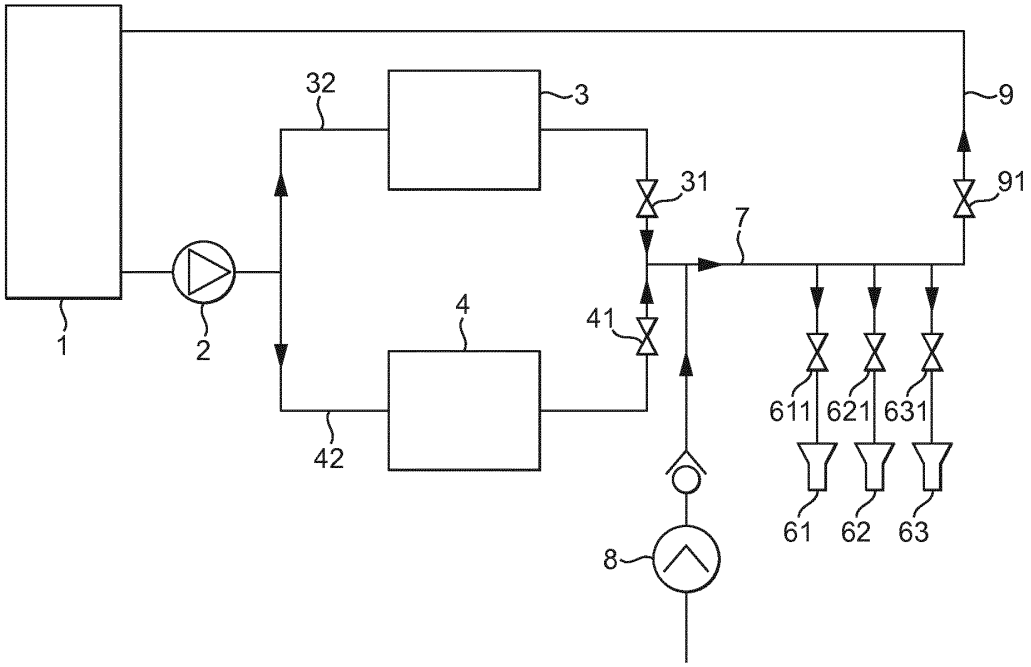


FIG. 1

Publication data including kind & date

JP6113169	B2	2017-04-12	JP6113169
EP2757925	B1	2015-04-08	EP2757925
JP2014531233	A	2014-11-27	JP2014531233
EP2757925	A1	2014-07-30	EP2757925
WO2013/041581	A1	2013-03-28	WO201341581

Abstract

(EP2757925)

The invention concerns a beverage dispenser for dispensing hot or cold beverages by interaction between a beverage ingredient with hot or cold water includes : a water source (1), at least one pump (2) connected to the water source for pumping the water from the water source, a heater (3) for heating the pumped water, a cooler (4) for cooling the pumped water, at least one water outlet (61, 62, 63), a feeding pipe (7) connecting the at least one water outlet to the heater and to the cooler, wherein the dispenser comprises a device (8) for emptying the feeding pipe and the at least one water outlet after the dispensing of a beverage.

Inventors

STIEGER MICHAEL MISCHA

BRUNNER YANN

Latest standardized assignees - inventors removed

NESTEC

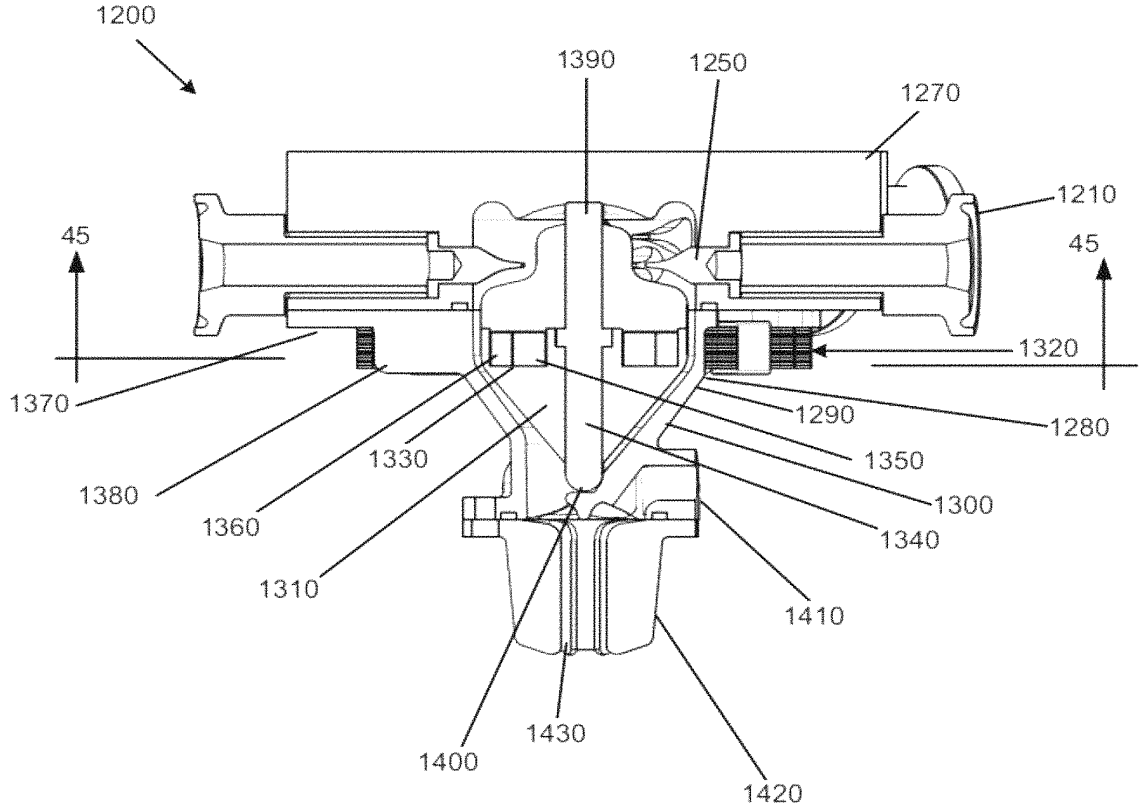
Family 192/200 - FAMPAT - ©Questel

Title

(US9415992)

Dispenser for beverages having a rotary micro-ingredient combination chamber

Images



Publication data including kind & date

US10280060	B2	2019-05-07	US10280060
US9415992	B2	2016-08-16	US9415992
US20120228328	A1	2012-09-13	US20120228328
US20120230148	A1	2012-09-13	US20120230148

Abstract

(US20120228328)

The present application provides a beverage dispenser. The beverage dispenser may include a number of micro-ingredients, a water stream, and a rotary chamber. The rotary chamber may include a first element in communication with the micro-ingredients and the water stream and a second element maneuverable to a dispense position and a sealed position.

Inventors

RYAN CHRISTOPHER THOMAS
VAN OPSTAL EDWIN PETRUS ELISABETH
NG KENNETH HENG-CHONG
MIU SASHA

Latest standardized assignees - inventors removed

COCA COLA

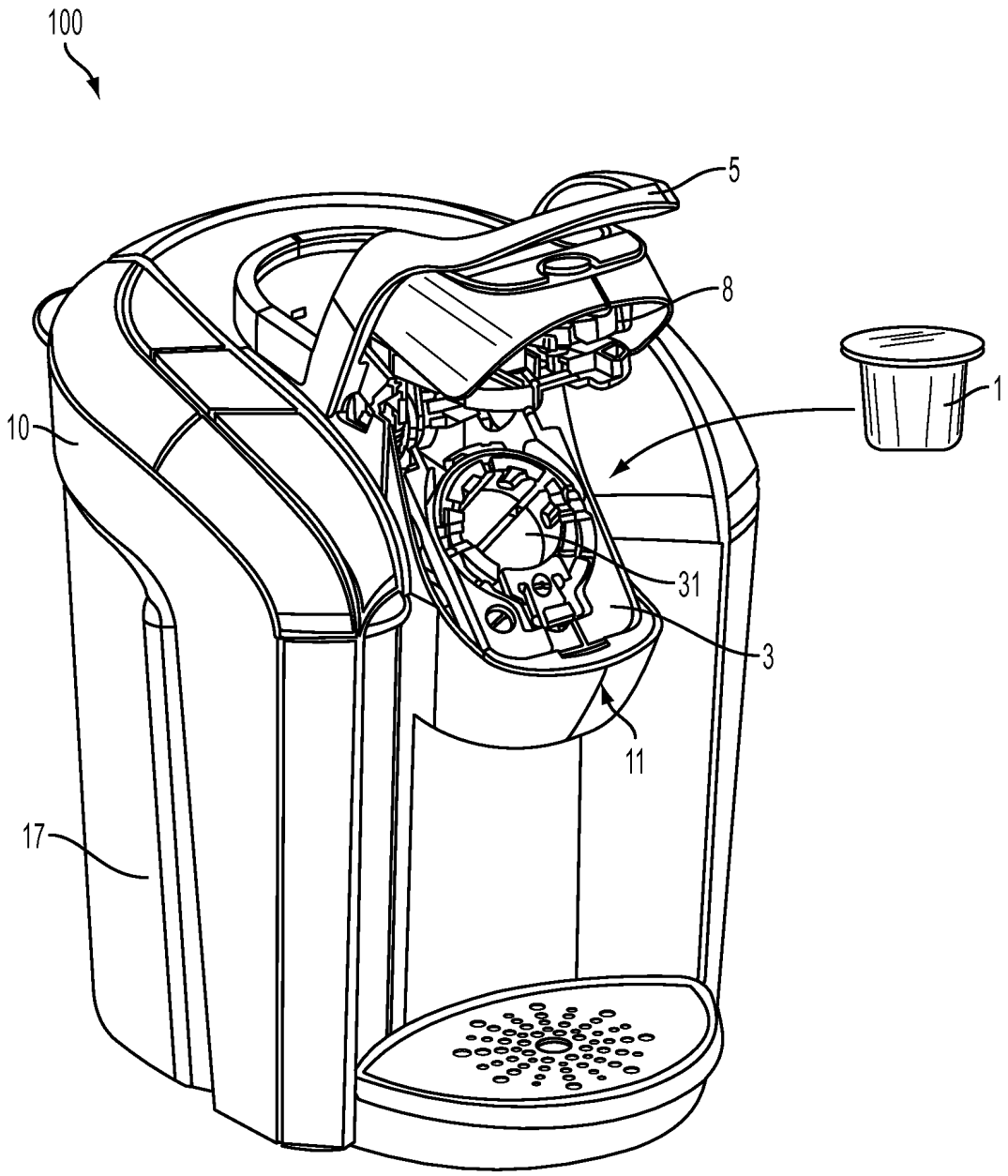
Family 193/200 - FAMPAT - ©Questel

Title

(EP3094219)

Beverage cartridge holder with movable outlet

Images



Publication data including kind & date

CN105916414	B	2019-05-10	CN105916414B
BR112016015663	A2	2018-10-16	BR112016015663
EP3094219	B1	2018-07-04	EP3094219
US20180140129	A1	2018-05-24	US20180140129
US9918586	B2	2018-03-20	US9918586
JP2017508571	A	2017-03-30	JP2017508571
US20170027374	A1	2017-02-02	US20170027374
EP3094219	A1	2016-11-23	EP3094219
US9474406	B2	2016-10-25	US9474406
KR20160110437	A	2016-09-21	KR20160110437
CN105916414	A	2016-08-31	CN105916414
AU2015206492	A1	2016-08-04	AU2015206492
BR112016015663	A1	2016-07-19	BR112016015663

CA2935180	A1	2015-07-23	CA2935180
US20150201790	A1	2015-07-23	US20150201790
WO2015/109052	A1	2015-07-23	WO2015109052

Abstract

(EP3094219)

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.

Inventors

SMITH GEOFFREY Y
BRODIE JONATHAN ALEXANDER
FOSTER STUART JAY
SHEPARD JAMES E
RABINO YOAV
TINKLER IAN

Latest standardized assignees - inventors removed

KEURIG GREEN MOUNTAIN

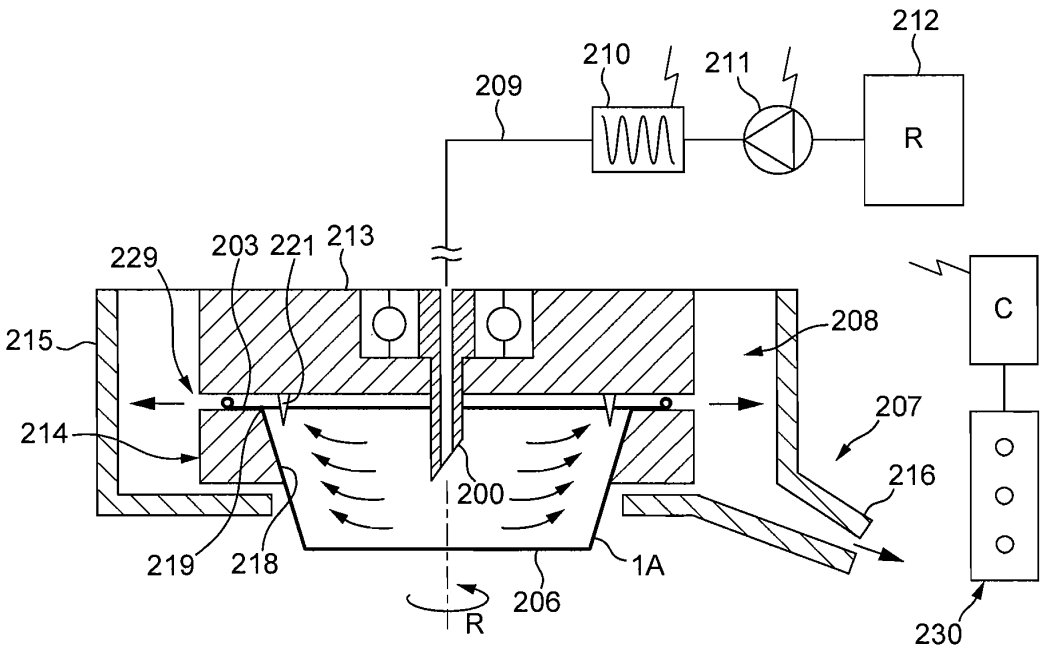
Family 194/200 - FAMPAT - ©Questel

Title

(US8431175)

Method for preparing a beverage or food liquid and system using brewing centrifugal force

Images



Publication data including kind & date

US8431175	B2	2013-04-30	US8431175
US20100239734	A1	2010-09-23	US20100239734

Abstract

(US20100239734)

A capsule, device, system and method for preparing a liquid food or beverage. The capsule comprises an enclosure containing one or more extractable or infusible ingredients and configured and dimensioned to have a perimeter and be radially symmetrical about a central axis to facilitate rotation; and an opening arrangement that allows liquid food to leave the capsule after passing through the ingredient(s), wherein the opening arrangement is configured and positioned near or upon the perimeter of the enclosure to allow the liquid food to leave the capsule radially due to the application of the centrifugal forces. The method and device introduce liquid into the capsule to form the liquid food while applying centrifugal forces to the capsule to urge the liquid to pass through the ingredient(s).

Inventors

YOAKIM ALFRED
DENISART JEAN-PAUL
RYSER ANTOINE
PERENTES ALEXANDRE

Latest standardized assignees - inventors removed

NESTLE

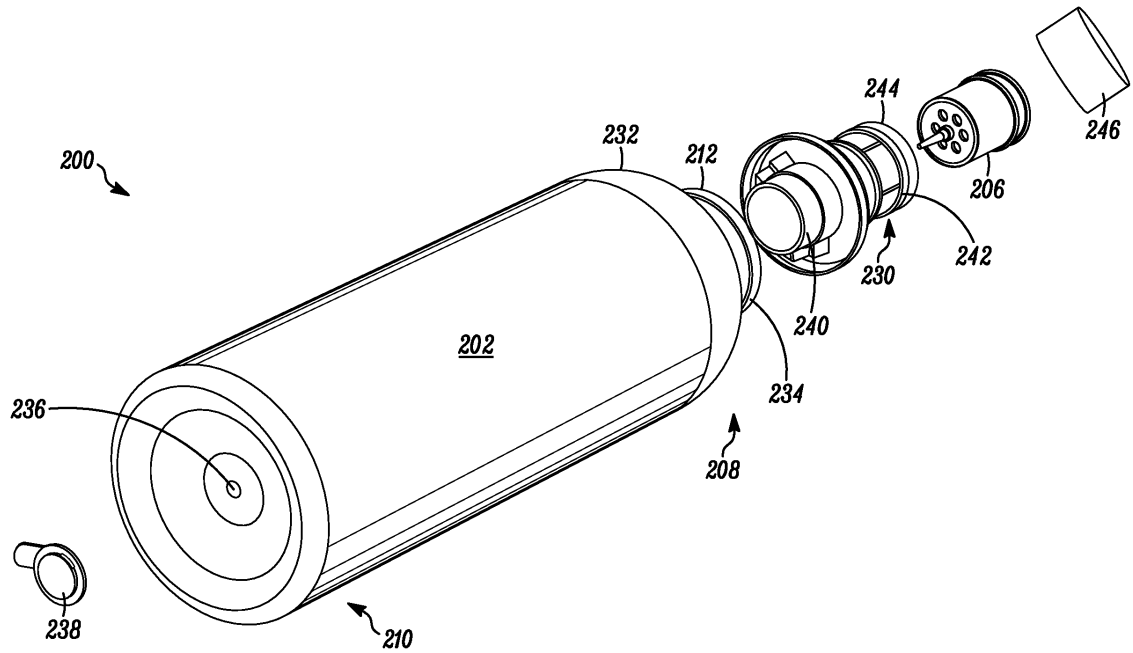
Family 195/200 - FAMPAT - ©Questel

Title

(EP3126251)

Container for preserving liquid contents

Images



Publication data including kind & date

ZA201607054	B	2018-11-28	ZA201607054
US20180162717	A1	2018-06-14	US20180162717
US9914631	B2	2018-03-13	US9914631
EP3126251	A4	2018-01-03	EP3126251
CN106458375	A	2017-02-22	CN106458375
EP3126251	A1	2017-02-08	EP3126251
AU2015240940	A1	2016-11-10	AU2015240940
US20160257554	A1	2016-09-08	US20160257554
CA2944629	A1	2015-10-08	CA2944629

US20150284163	A1	2015-10-08	US20150284163
WO2015/153598	A1	2015-10-08	WO2015153598

Abstract

(EP3126251)

A beverage container includes a flexible inside container and a rigid outside container. The flexible container can retain a liquid and seal the liquid from environmental air, while the surrounding rigid container facilitates handling and pouring in a form factor that reproduces the look and feel of a conventional wine bottle. A one-way valve permits pouring from the flexible container while preventing ingress of atmospheric oxygen or other contaminants. In particular, the one-way valve can be configured to retain a beverage within the flexible container until an exit path for the beverage through the valve is filled with liquid to seal the exit path and effectively eliminate any return path for ingress of air. To create a bottle-like pouring experience, the valve may automatically open to allow for the pouring of fluid when the bottle is tilted, and the valve may automatically close at the end of a pour.

Inventors

MANWANI VIJAY GIRDHAR
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BERCU ADAM ELLIOT
CHESLEY DAVID DOLLOFF

Latest standardized assignees - inventors removed

KUVEE

Family 196/200 - FAMPAT - ©Questel

Title

(EP2594174)

Beverage preparation machine

Images

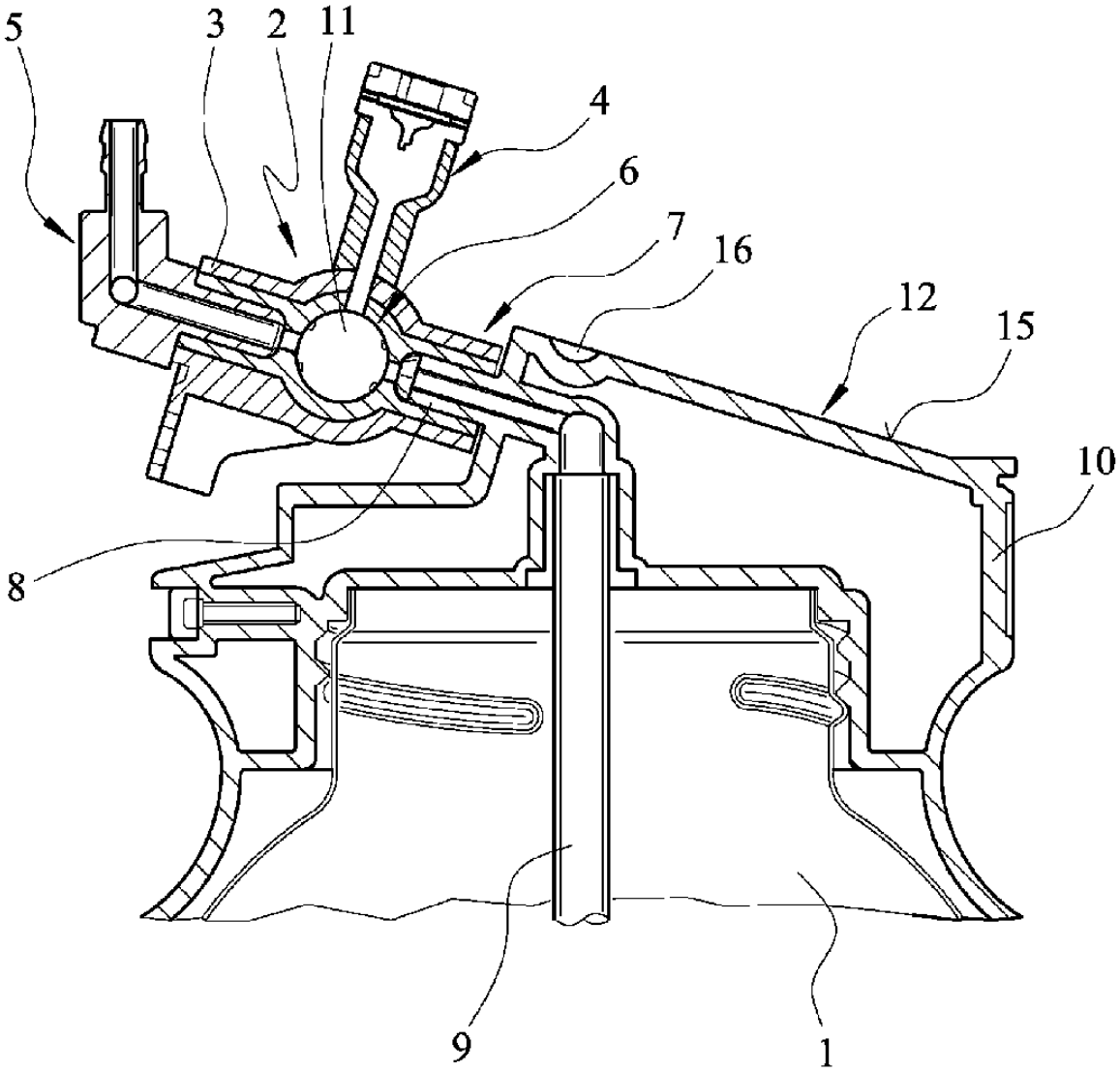


Fig. 1

Publication data including kind & date

ES2436594	T3	2014-01-03	ES2436594
EP2594174	B1	2013-10-30	EP2594174
EP2594174	A1	2013-05-22	EP2594174

Abstract

(EP2594174)

The maker has a multi-way valve (2) fluid-conductively connected with a liquid container (1). The multi-way valve comprises a flush nozzle (4) attached to a flow line, and an exhaust flange (5) attached to another flow line. The multi-way valve comprises an adjustable unit (6) for optionally opening and closing the flow lines. A connection nozzle (7) is formed on the multi-way valve. The liquid container comprises a flange (8) directly and sealingly connectable with the nozzle, where the flange is formed as a connector pin and arranged at a lid (10) of the liquid container. Independent claims are also included for the following: (1) a method for rinsing a beverage maker (2) a method for cleaning a beverage maker.

Inventors

JUNGCLAUS DIRK

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VAN PELS ULRICH

Latest standardized assignees - inventors removed

MIELE

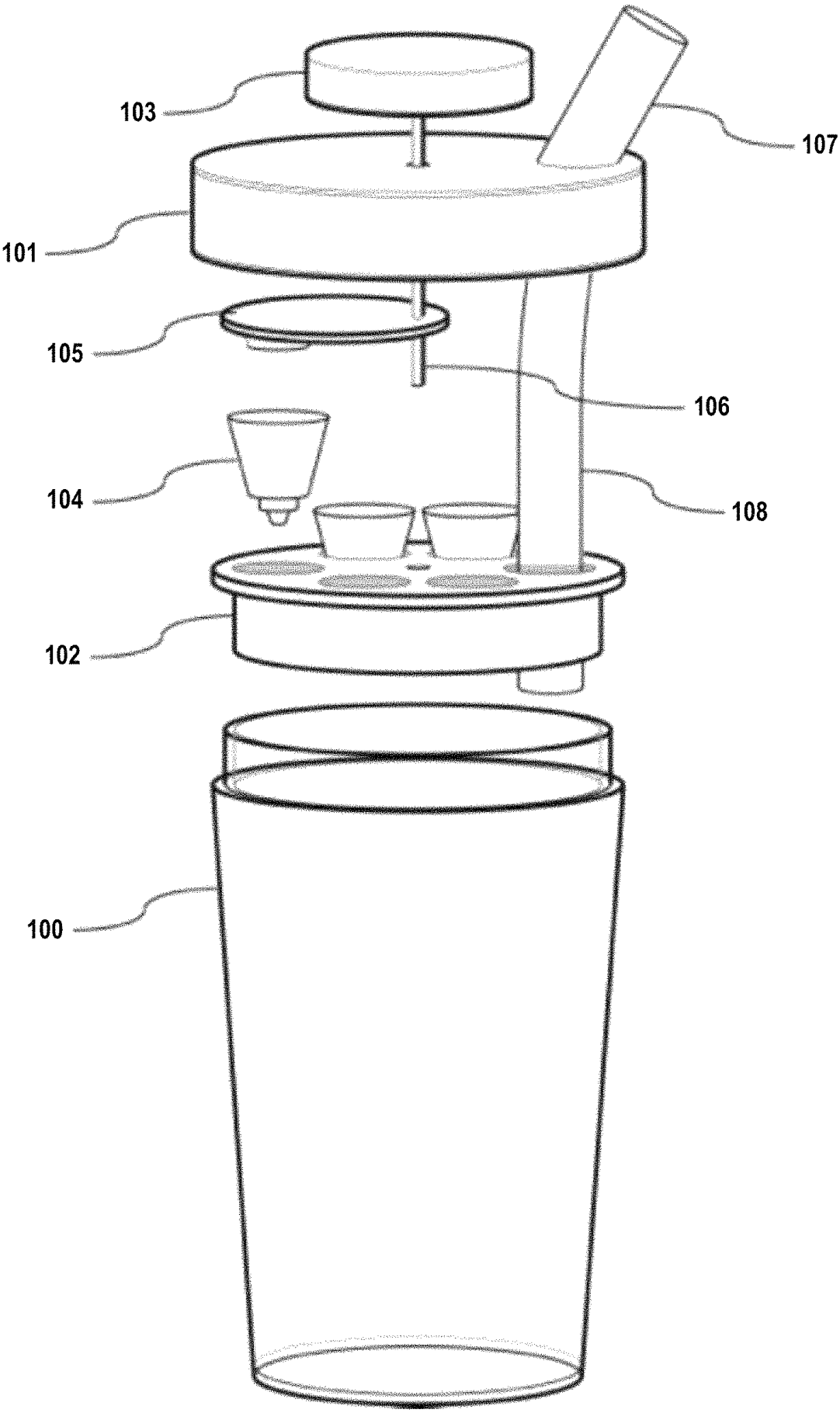
Family 197/200 - FAMPAT - ©Questel

Title

(EP3226733)

A system and apparatus for optimizing hydration and for the contextual dispensing of additives

Images



Publication data including kind & date

EP3226733	A4	2018-09-19	EP3226733
US20180208447	A1	2018-07-26	US20180208447

US9932217	B2	2018-04-03	US9932217
CN107427162	A	2017-12-01	CN107427162
EP3226733	A1	2017-10-11	EP3226733
CA2969844	A1	2016-06-09	CA2969844
US20160159632	A1	2016-06-09	US20160159632
WO2016/090235	A1	2016-06-09	WO201690235

Abstract

(EP3226733)

Provided are systems, methods, and apparatuses for a portable hydration system including a mechanical or electromechanical mechanism for dispensing additives into a liquid or other solute in a portable container. Such additives include solids, liquid, powders, and gases, and include vitamins, minerals, nutritional supplements, pharmaceuticals, and other consumables. Additives are introduced into the hydration device via closed vessels equipped with RFID tags or similar, capable of transferring data about the vessels' contents to the device. Dispensing is initiated manually by direct user action, automatically by the device, and/or externally through an associated application on a user device. Dispensing is adjustable by contextual factors such as a user's preferences, location, activity, physiologic status, and the like, obtained via APIs to third party applications or through more direct measurements or inputs. Consumption of additives and consumable liquids in the container is measured and monitored, and the data used to generate recommendations.

Inventors

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PERRELLI JONATHON E
BACON CONNOR J

Latest standardized assignees - inventors removed

LIFEFUELS

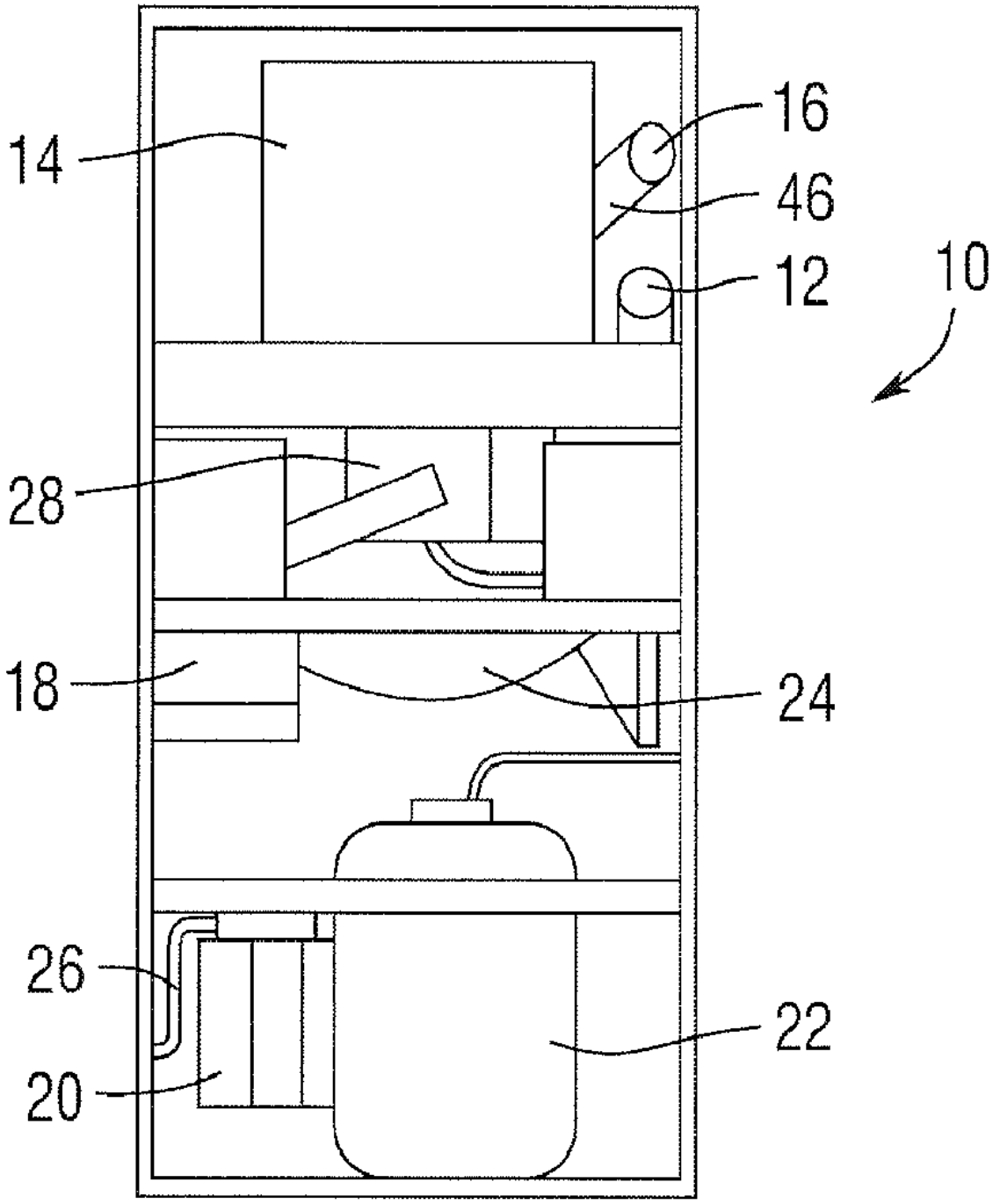
Family 198/200 - FAMPAT - ©Questel

Title

(EP2625134)

Apparatus, system, and method for dispensing, receiving, cleaning and/or filling a container

Images



Publication data including kind & date

CA2813021	C	2018-04-09	CA2813021
US9731845	B2	2017-08-15	US9731845
US20170088296	A1	2017-03-30	US20170088296
US9540124	B2	2017-01-10	US9540124
EP2625134	A4	2016-09-28	EP2625134
WO2012/047916	A3	2014-04-03	WO201247916
US20130240079	A1	2013-09-19	US20130240079
EP2625134	A2	2013-08-14	EP2625134
CA2813021	A1	2012-04-12	CA2813021
WO2012/047916	A2	2012-04-12	WO201247916

Abstract

(EP2625134)

A vending machine comprising multiple subsystems typically including container receiving, container cleaning, container storage, container filling, container vending, a computer system, and a user interface A vending machine for dispensing, receiving, cleaning and/or filling containers comprising container receiving means for receiving a first container; container cleaning means for cleaning the first container; container dispensing means for dispensing the first container; and container filling means for filling the first container or a second container.

Inventors

PETRINI THOMAS L

Latest standardized assignees - inventors removed

EVIVE STATION

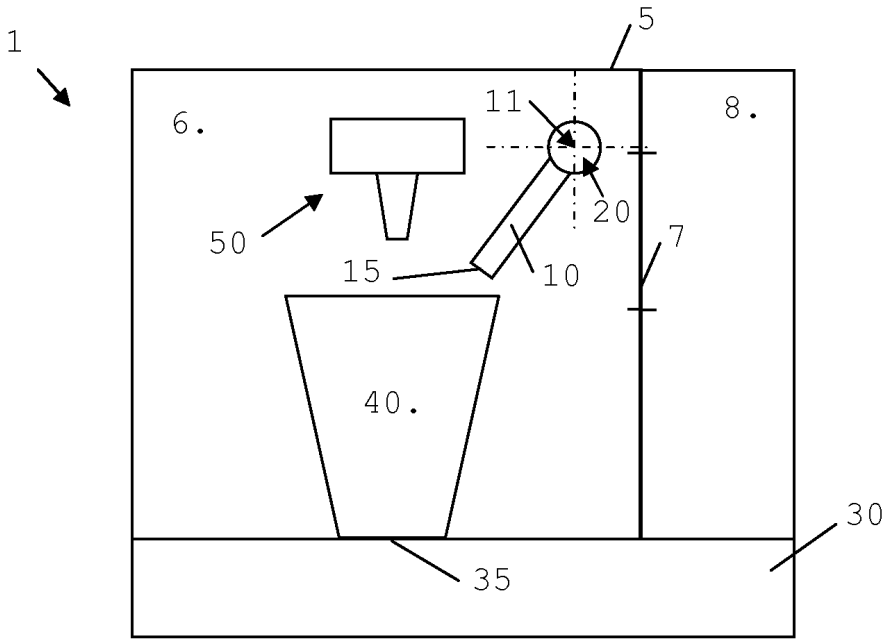
Family 199/200 - FAMPAT - ©Questel

Title

(EP2353474)

Beverage dispenser with safe cleaning arrangement

Images



Publication data including kind & date

CN102740749	B	2018-10-02	CN102740749B
BR112012019346	A2	2018-05-08	BR112012019346
EP2531084	B1	2016-11-16	EP2531084
IN6438DEN2012	A	2015-10-09	IN2012DN06438
US9138095	B2	2015-09-22	US9138095
AU2011212498	B2	2015-07-02	AU2011212498
RU2549060	C2	2015-04-20	RU2549060
RU2012137292	A	2014-03-10	RU2012137292

ZA201206548	B	2014-02-26	ZA201206548
NZ601050	A	2013-07-26	NZ-601050
BR112012019346	A1	2013-06-18	BR112012019346
JP2013518646	A	2013-05-23	JP2013518646
EP2531084	A1	2012-12-12	EP2531084
US20120305111	A1	2012-12-06	US20120305111
KR20120121908	A	2012-11-06	KR20120121908
CN102740749	A	2012-10-17	CN102740749
IL220728	A	2012-08-30	IL-220728
SG182350	A1	2012-08-30	SG-182350
MX2012008710	A	2012-08-17	MX2012008710
AU2011212498	A1	2012-08-02	AU2011212498
CA2786518	A1	2011-08-11	CA2786518
WO2011/095511	A1	2011-08-11	WO201195511
EP2353474	A1	2011-08-10	EP2353474

Abstract

(EP2353474)

A beverage preparation machine (1) has: a housing (5); a duct (10) with an outlet (15); a conduit (20) upstream the duct and connected thereto; and a waste liquid collector (30) arranged to collect waste liquid from the outlet. The duct has: an operative position for circulating beverage through the conduit and dispensing said beverage from the outlet outside the housing above a user-receptacle filling area (35); and a cleaning position for circulating cleaning fluid through the conduit and evacuating said cleaning fluid from the outlet inside the housing to the waste liquid collector. The duct is pivotally assembled about a pivoting axis (11) to the conduit for pivoting the outlet between the operative position and the cleaning position.

Inventors

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Latest standardized assignees - inventors removed

NESTLE

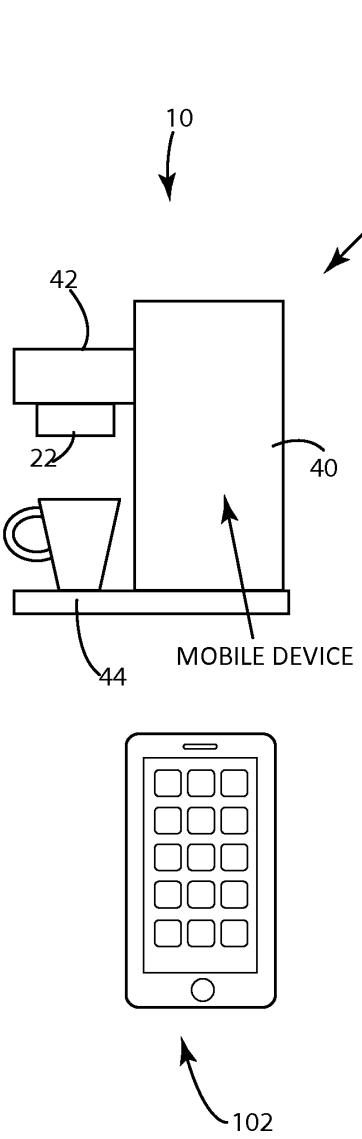
Family 200/200 - FAMPAT - ©Questel

Title

(WO2015148089)

Beverage dispenser

Images



BREWING IDENTIFICATION

DESCRIPTION	EXAMPLE
TCM	FIRE REMOVAL DRINK
USE BY DATE	12/1/15
RINSE CYCLES	1
RINSE TEMP F	180
RINSE PRESSURE (PSI)	20
SOAK TEMP F	180
SOAK CYCLES	1
SOAK TIME (SECS)	10
SOAK PRESSURE (PSI)	20
BREW TEMP F	212
BREW TIME (SECS)	600
BREW PRESSURE (PSI)	80
MAKES X CUPS	8

Publication data including kind & date

JP2017519529	A	2017-07-20	JP2017519529
US20170172340	A1	2017-06-22	US20170172340
CN106458561	A	2017-02-22	CN106458561
KR20160138166	A	2016-12-02	KR20160138166
TW201545965	A	2015-12-16	TW201545965
WO2015/148089	A1	2015-10-01	WO2015148089

Abstract

(WO2015/148089)

A beverage dispenser capable of preparing a variety of alternative types of beverages using different brewing parameters depending on the type of beverage. In one embodiment, the beverage dispenser is configured to use temperature, pressure and time parameters selected to provide optimal extraction for the type of beverage being prepared. In one embodiment, the beverage dispenser is intended to brew a variety of herbal teas with ingredients selected in accordance with traditional Chinese medicine. In one embodiment, the particle sizes of the various TCM ingredients are selected to provide optimized extraction in the beverage dispenser. The beverage dispenser may be configured to identify the type of beverage pod installed in the system and automatically prepare that beverage in accordance with optimized brewing parameters determined based on the ingredients and the particle sizes of those ingredients. The beverage dispenser may be capable of collecting user information and providing beverage recommendations.

Inventors

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Latest standardized assignees - inventors removed

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