

Title: ESPRESSO MACHINE

Abstract: The invention relates to an espresso machine (1) comprising a dosing piston (3), which is accommodated inside a dosing piston cylinder (5) while serving to press a quantity of water, which is dosed in the dosing piston cylinder (5), through a filter support (7) filled with ground coffee, whereby the dosing piston (3) is driven by a hydraulically driven working piston (2). Said working piston is connected in a fixed manner to the dosing piston (3) via a piston rod (6), and a sensor device (8) that senses the position of the piston rod (6) is provided for dosing the quantity of water.

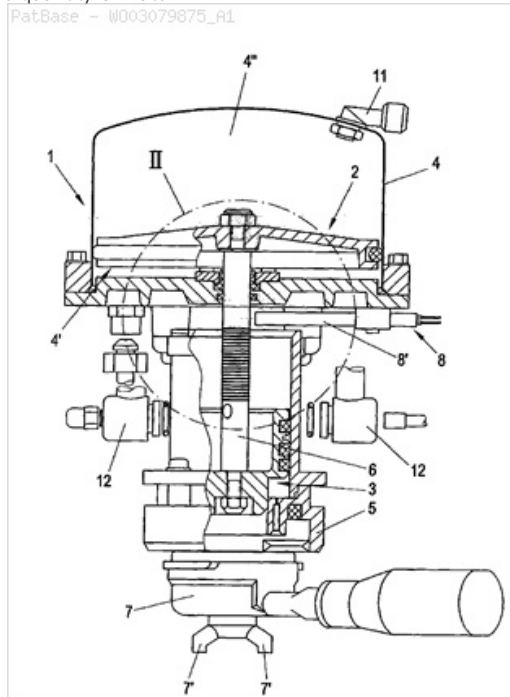
Classifications:

International (IPC 8-9): A47J31/36 A47J31/40 (Advanced/Invention); A47J31/24 A47J31/40 (Core/Invention)

International (IPC 1-7): A47J31/24 A47J31/34 A47J31/40

CPC: A47J31/36 A47J31/402

European: A47J31/36 A47J31/40D



Family:

Publication number	Publication date	Application number	Application date
AT325567 E	20060615	AT20030702171T	20030108
AT411009 B	20030925	AT20020000460	20020325
AT4602002 A	20030215	AT20020000460	20020325
AU2003205399 AA	20031008	AU20030205399	20030108
DE50303290 D1	20060614	DE20035003290	20030108
EP1487314 A1	20041222	EP20030702171	20030108
EP1487314 B1	20060510	EP20030702171	20030108
ES2263950 T3	20061216	ES20030702171T	20030108
WO03079875 A1	20031002	WO2003AT00003	20030108

Priority:

AT20020000460 20020325 EP20030702171 20030108 WO2003AT00003 20030108

Probable Assignee: ALEXANDER SCHAERF AND SOEHNE GES MBH

Assignee(s): (std): ALEXANDER SCHAERF AND SOEHNE GES ; ALEXANDER SCHAERF AND SOEHNE GMB ; ALEXANDER SCHARF AND SOHNE GES ; ALEXANDER SCHARF AND SOHNE GES M ; SCHAERF REINHOLD

Assignee(s): ALEXANDER SCHARF AND SOHNE GES MBH ; ALEXANDER SCHARF AND SOHNE GESELLSCHAFT M B H ;
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B H ; ALEXANDER SCHAERF AND SOEHNE GESELLSCHAFT MBH

Inventor(s): (std): SCHAERF REINHOLD ; SCHARF REINHOLD ; REINHOLD SCHARF

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

Title: COFFEE GRINDER APPARATUS

Abstract: An espresso machine has a built-in coffee grinder. A coffee grinding apparatus cooperates with a removable portafilter having a handle, the apparatus including: a cradle for supporting the portafilter; an actuator adjacent to the cradle for co-operating with the portafilter; a downward facing ledge engages a front tab of the portafilter for resisting imbalance of the portafilter when supported by the cradle. Wherein, when the portafilter is supported by the cradle and advanced forward,

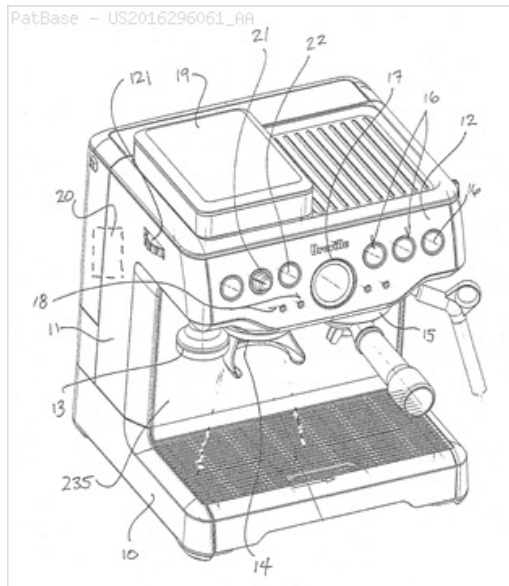
the front tab of the portafilter further contacts the actuator to operate an electrical switch, thereby causing a signal to be sent to a microprocessor for delivering coffee grinds to the portafilter.

Classifications:

International (IPC 8-9): A47J31/36 A47J31/42 A47J31/44 A47J42/40 A47J42/44 (Advanced/Invention)

CPC: A47J31/42 A47J31/4464

US: 1/1 99/280



Family:

Publication number	Publication date	Application number	Application date
US2016296061 AA	20161013	US20160185024	20160617
US10376091 BB	20190813	US20160185024	20160617

Priority:

US20110145777 20110721 US20160185024 20160617

Probable Assignee: BREVILLE PTY LTD

Assignee(s): (std): BREVILLE R AND D PTY LTD

Assignee(s): BREVILLE PTY LTD

Inventor(s): (std): HOARE RICHARD ; PSAROLOGOS CON ; DAVENPORT DAVID

Agent(s): MARSHALL GERSTEIN AND BORUN LLP

3) Family number: 59004239 (US2016242590A)

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Title: ADJUSTABLE PORTAFILTER AND GRIND ADJUSTMENT

Abstract: A portafilter apparatus for an espresso machine, the apparatus comprising: a metal head that is attachable to a group head of the espresso machine, the head defines a coffee grounds compartment for containing a quantity of ground coffee; and a perforated movable floor within the head; the floor forms a filter and defines the base of the coffee grounds compartment, the floor is vertically movable with respect to the head to adjust a volume of the coffee grounds compartment.

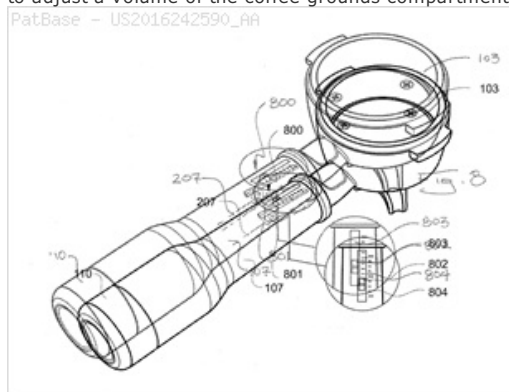
Classifications:

International (IPC 8-9): A47J31/06 A47J31/10 A47J31/24 A47J31/38 A47J31/44 (Advanced/Invention)

CPC: A47J31/0647 A47J31/0663 A47J31/38 A47J31/4403

A47J2031/0694

US: 1/1 99/281



Family:

Publication number	Publication date	Application number	Application date
AU2014334495 AA	20150416	AU20140334495	20141008
AU2014334495 BB	20190117	AU20140334495	20141008
AU2019202640 AA	20190509	AU20190202640	20190416
CN106170231 A	20161130	CN201480065421	20141008
CN106170231 B	20191011	CN201480065421	20141008
DE602014029325 D1	20180823	DE201460029325T	20141008
EP3054822 A1	20160817	EP20140852875	20141008
EP3054822 A4	20170816	EP20140852875	20141008
EP3054822 B1	20180725	EP20140852875	20141008
US2016242590 AA	20160825	US20140027244	20141008
WO15051401 A1	20150416	WO2014AU00959	20141008
WO15051401 A9	20161006	WO2014AU00959	20141008

Priority:

Probable Assignee: BREVILLE PTY LTD

Assignee(s): (std): BREVILLE R AND D PTY LTD

Assignee(s): BREVILLE PTY LTD ; BREVILLE PTY LTD ALEXANDRIA

Inventor(s): (std): GRASSIA ROBERT

Inventor(s): GRASSIA ROBERT SUMMER HILL

Agent(s): MOLINS AND CO PTY LTD; SPRUSON AND FERGUSON; SCHOPPE ZIMMERMANN STOECKELER ZINKLER
SCHENK AND PARTNER MBB PATENTANWALTE; WILLIAMS CEILI; ZIMMERMANN TANKRED KLAUS;
MOLINS MICHAEL

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

4) Family number: 50628289 (SE535273C)

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Title: Foerfarande och anordning vid provning av espressomaskiner Method and apparatus for testing espresso machines
(Machine translation)

Abstract: Source: SE535273C [SV] Foerfarande och anordning foer maetning av extraheringstrycket genom en filterhallare (1) placerad i ett brygg huvud (2) i en manuell eller halvautomatisk espressomaskin, varvid en slanghallare (21), i vilken ena aenden (25) av en tryckslang (24) aer monterad, placeras i espressomaskinens filterhallare (1) istaellet foer ett ordinarie filter pa sa saett att tryckslangen (24) straecker sig ut genom filterhallarens (1) utlopp (16) varefter tryckslangens andra aende (26) ansluts till en presentationsdel (31, 41) foer visning av atminstone ett vattentryck varefter filterhallaren (1) med slanghallaren (21) och tryckslangen (24) saetts fast pa espressomaskinens brygg huvud (2) och bryggningen aktiveras varvid vattentrycket erhalles fran presentationsdelen (31, 41).

Machine translation: Foerfarande and apparatus foer maetning of extraheringstrycket by filterhallare (1) placed in a brewing head (2) in a manual or semi-automatic espresso machine, wherein a slanghallare (21), in which one aenden (25) of a pressure hose (24) aer mounted; placed in the espresso machine filterhallare (1) istaellet foer an ordinary filter pa said saett the pressure hose (24) straecker out through the filter hall mixer (1) outlet (16) and then tryckslangens second-alone (26) connected to a presentationsdel (31, 41) foer display by At least one water after which the filter holder (1) with hose holder (21) and pressure hose (24) saetts fixed on espresso machine brewing head (2) and brewing activated wherein the water is obtained from the presentation part (31, 41).

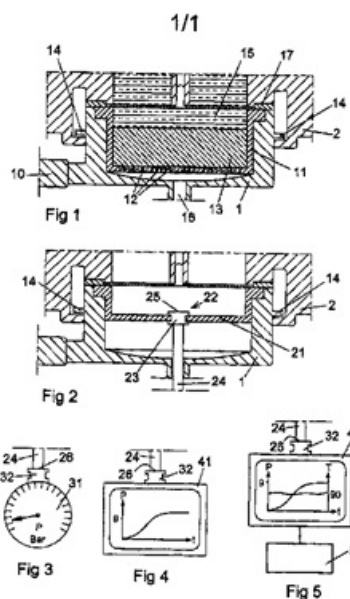
Classifications:

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

CPC: A47J31/303 A47J31/44

PatBase - SE535273_C2

595 273



Family:

Publication number	Publication date	Application number	Application date
SE201050709 A1	20111230	SE20100050709	20100629
SE535273 C2	20120612	SE20100050709	20100629

Priority:

SE20100050709 20100629

Probable Assignee:

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Assignee(s):

STEFAN JOHANSSON

Inventor(s): (std):

JOHANSSON STEFAN

Inventor(s):

STEFAN JOHANSSON

Title: Brewed beverage maker with unpressurized boiler vessel steam generator tube and common heating element

Abstract: An espresso coffee making system includes an unpressurized boiler vessel with an electric heating element arranged outside the boiler vessel for heating water in the boiler vessel for delivery to a perforated filter holder of the espresso coffee maker. A tube is provided between the electric heating element and the boiler vessel that is in thermal contact with both the heating element and the boiler vessel. A valve allows water from the boiler vessel to be recirculated by a pump through the tube to generate steam, without overheating the water contained in the boiler vessel.

Classifications:

International (IPC 8-9): A47J27/21 A47J31/36 A47J31/40

A47J31/54 (Advanced/Invention);

A47J27/21 A47J31/24 A47J31/40 A47J31/44 (Core/Invention)

International (IPC 1-7): A47J27/21 A47J31/00 A47J31/30 A47J31/36

A47J31/40 A47J31/54 F24H1/10 F24H1/12 H05B3/00

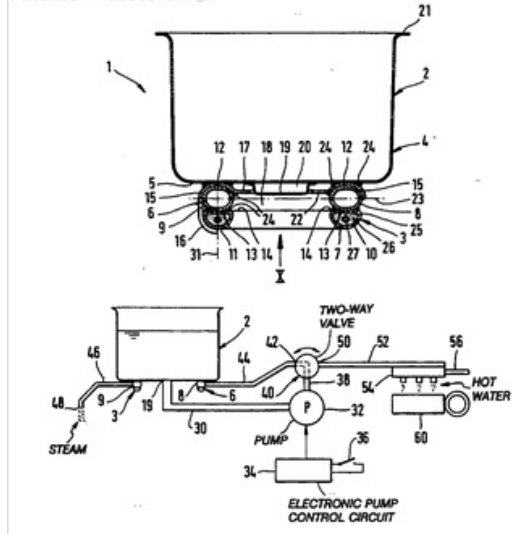
CPC: A47J31/36 A47J31/54 A47J31/542

European: A47J31/36 A47J31/54 A47J31/54A

US: 392/397 392/405 392/441 392/465 392/480 392/495 99/284

99/288 99/292 99/300

PatBase - US5367607_R



Family:

Publication number	Publication date	Application number	Application date
AT137397 E	19960515	AT19920113151T	19920801
DE4130447 A1	19930325	DE19914130447	19910913
DE59206165 D1	19960605	DE19925006165	19920801
EP0531699 A1	19930317	EP19920113151	19920801
EP0531699 B1	19960501	EP19920113151	19920801
ES2086592 T3	19960701	ES19920113151T	19920801
JP2026879 C3	19960226	JP19920220219	19920819
JP7047029 A2	19950221	JP19920220219	19920819
JP7053133 B4	19950607	JP19920220219	19920819
US5367607 A	19941122	US19920944063	19920911

Priority:

DE19914130447 19910913 DE19925006165 19920801

Probable Assignee: BRAUN AKTIENGESELLSCHAFT

Assignee(s): (std): BRAUN AG

Assignee(s): BRAUN AG 6000 FRANKFURT DE ; BRAUN AKTIENGESELLSCHAFT ; BRAUN AKTIENGESELLSCHAFT 60326 FRANKFURT DE

Inventor(s): (std): SCHAFER GERHARD ; MULLER ROLAND ; MANFUREETO KURAABUUFUN ; GEEAHARUTO SHIEEFUAA ; SHIYUTEFUAN SHIYAAMUBERUKU ; BUARUTAA FUUFUNAAGURU ; ROORANTO MIYURAA ; KLAUHN MANFRED ; MUELLER ROLAND ; SCHAEFER GERHARD ; SCHAMBERG STEFAN ; HUFNAGL WALTER

Inventor(s): KLAUHN MANFRED 6000 FRANKFURT DE ; MUELLER ROLAND 6072 DREIEICH DE ; HUFNAGL WALTER 6231 SULZBACH DE ; SCHAMBERG STEFAN 6390 USINGEN DE ; SCHAEFER GERHARD 6000 FRANKFURT DE ; SCHAMBERG STEFAN W 6390 USINGEN DE ; HUFNAGL WALTER W 6231 SULZBACH TS DE ; MUELLER ROLAND W 6072 DREIEICH OFFENTAL DE ; SCHAEFER GERHARD W 6000 FRANKFURT AM MAIN 50 DE ; KLAUHN MANFRED W 6000 FRANKFURT AM MAIN 1 DE

Agent(s): ITOH TADAHICO; KATAYAMA SHUHEI

Designated states: AT CH DE ES FR GB IT LI NL

Title: TAMPING AUGUR

Abstract: A compacting auger for ground coffee has an automatic cut off that responds to either timing signals or to the torque resistance to the auger offered by the coffee that has been compacted. The automation of the cut off increases the consistency of compaction and reduces the amount of skill required to compact ground coffee for making espresso.

Classifications:

International (IPC 8-9): A47J31/00 A47J31/06 A47J31/40 A47J31/42

A47J31/44 A47J31/52 B30B15/14 B30B9/00

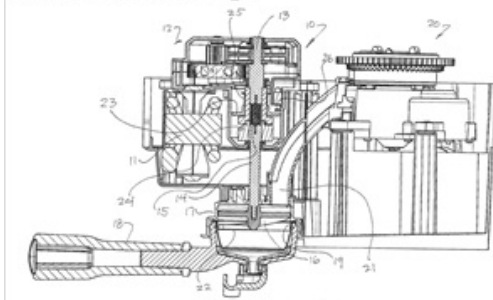
B30B9/28 (Advanced/Invention)

CPC: A47J31/0663 A47J31/44 A47J31/4464 B30B9/28 B30B15/144

A47J31/404 A47J31/42

European: A47J31/44

US: 1/1 99/280 99/286 99/287

**Family:**

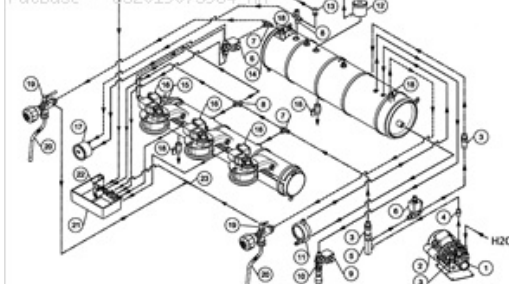
Publication number	Publication date	Application number	Application date
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AU2011313808 AA	20130328	AU20110313808	20111005
AU2011313808 AB	20130404	AU20110313808	20111005
AU2011313808 BB	20150528	AU20110313808	20111005
AU2015205905 AA	20150820	AU20150205905	20150723
AU2015205905 BB	20160428	AU20150205905	20150723
CN103188971 A	20130703	CN201180046905	20111005
CN103188971 B	20160413	CN201180046905	20111005
CN105686645 A	20160622	CN201610100940	20111005
CN105686645 B	20181123	CN201610100940	20111005
DE602011025103 D1	20160519	DE201160025103T	20111005
DE602011036363 D1	20170504	DE201160036363T	20111005
EP2624730 A1	20130814	EP20110830113	20111005
EP2624730 A4	20150121	EP20110830113	20111005
EP2624730 B1	20160406	EP20110830113	20111005
EP2962607 A1	20160106	EP20150176358	20111005
EP2962607 B1	20170322	EP20150176358	20111005
RU2013120292 A	20141120	RU20130120292	20111005
RU2591111 C2	20160710	RU20130120292	20111005
US2013167729 AA	20130704	US20110821993	20111005
US9301637 BB	20160405	US20110821993	20111005
WO12045112 A1	20120412	WO2011AU01263	20111005

Priority:

AU20100904466	20101005	AU20110313808	20111005	EP20110830113	20111005
CN201180046905	20111005	EP20150176358	20111005	WO2011AU01263	20111005
AU20150205905	20150723				

Probable Assignee: BREVILLE PTY LTD**Assignee(s):** (std): BREVILL PTI LTD ; BREVILLE R AND D PTY LTD ; GRASSIA ROBERT ; HOARE RICHARD**Assignee(s):** BREVILLE PTY LIMITED ; BREVILLE PTY LTD ; BREVILLE PTY LTD ALEXANDRIA**Inventor(s):** (std): GRASSIA ROBERT ; HOARE RICHARD ; KHOAR RICHARD**Inventor(s):** GRASSIA ROBERT SUMMER HILL ; HOARE RICHARD LANE COVE**Agent(s):** MOLINS AND CO; MOLINS AND CO PTY LTD; SPRUSON AND FERGUSON; LEDERER AND KELLER
PATENTANWALTE PARTNERSCHAFT MBB; WILLIAMS CEILI; MOLINS MICHAEL**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**7) Family number: 65493388** (US2019075964A)

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Title: ESPRESSO COFFEE MACHINE WITH SYSTEM FOR CLEANING THE COFFEE DISPENSING SYSTEM**Abstract:** An espresso coffee machine is described, said machine comprising a pump (1) for pumping water, a dispensing group (25) configured to cooperate with a portafilter (35), wherein said portafilter (35) is configured to support a filter (40) loaded with coffee powder, a coffee boiler (15) in fluid communication with said dispensing group (25), a water dispensing system (16, 28, 29, 30) for supplying hot water from said coffee boiler (15) to said portafilter; and a system (16, 31, 6, 33, 14) for supplying steam to said dispensing group (25) so as to perform cleaning of at least a part of said water dispensing system (16, 28, 29, 30).**Classifications:****International (IPC 8-9):** A47J A47J31/34 A47J31/36 A47J31/44 A47J31/46 A47J31/54 A47J31/60 (Advanced/Invention)**CPC:** A47J31/3671 A47J31/461 A47J31/60 A47J31/54 A47J31/46**US:** 1/1

Family:

Publication number	Publication date	Application number	Application date
AU2016342105 AA	20180426	AU20160342105	20161014
CA3000804 AA	20180403	CA20163000804	20161014
CN108463146 A	20180828	CN201680060349	20161014
EP3364837 A1	20180829	EP20160781469	20161014
EP3364837 B1	20200311	EP20160781469	20161014
HK1254648 A1	20190726	HK20180113615	20181024
ITUB20155210 A1	20170421	IT2015UB05210	20151021
JP2018531079 T2	20181025	JP20180517145T	20161014
KR20180067560 A	20180620	KR20187011975	20161014
NZ741695 A	20200228	NZ20160741695	20161014
RU2699271 C1	20190904	RU20180117493	20161014
US2019075964 AA	20190314	US20160765602	20161014
WO17067854 A1	20170427	WO2016EP74726	20161014
ZA201802378 A	20190130	ZA20180002378	20180411

Priority:

IT20151000064045 20151021 IT2015UB05210 20151021 WO2016EP74726 20161014

Probable Assignee: LA MARZOCCO S R L

Assignee(s): (std): LA MARZOCCO S R L

Assignee(s): LA MARZOCCO SRL ; BIANCHI ROBERTO ; DELLA PIETRA STEFANO

Inventor(s): (std): DELLA PIETRA STEFANO ; BIANCHI ROBERTO

Agent(s): FRANKE HYLAND; FRANKE HYLAND PTY LTD; RICHES MCKENZIE AND HERBERT LLP; COLOMBO STEFANO PAOLO; CLT PATENT AND TRADEMARK HK LTD; YURIDICHESKAYA GORODISSKI I PARTNER Y OOO FA; COLOMBO STEFANO PAOLO ET AL

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

8) Family number: 77353466 (WO20012291A1)

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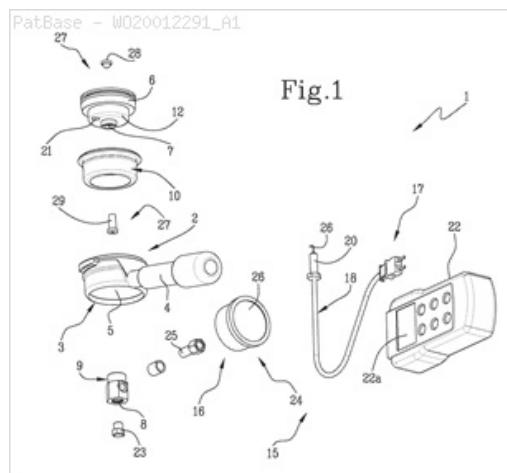
Title: APPARATUS FOR MEASURING OPERATING PARAMETERS OF ESPRESSO COFFEE MACHINES

Abstract: Apparatus (1) for measuring the operating parameters of espresso coffee machines, comprising: a filter-holder body (2) configured to be associated with a water dispensing nozzle of an espresso coffee machine; said body (2) internally defining a chamber (5) for the passage of the water dispensed by said nozzle; a filling element (6) arranged in said chamber (5) and having a cavity (7) for the passage of the water dispensed by the nozzle towards an outlet duct (8); a water outlet terminal element (9) associated with said filter-holder body (2) downstream of said chamber (5) and defining said water outlet duct (8); and reading means (15) for the water pressure and temperature values passing from the chamber (5) to the outlet duct (8); said reading means (15) comprise at least one pressure reading device (16) operatively engaged with said water outlet terminal element (9) and at least one temperature reading device (17) operatively engaged with said cavity (7) obtained in the filling element (6).

Classifications:

International (IPC 8-9): A47J31/06 A47J31/52 G01K13/00 G01L19/00 (Advanced/Invention)

CPC: A47J31/0663 A47J31/5251 A47J31/5253 G01K13/00 G01K2207/06

**Family:**

Publication number	Publication date	Application number	Application date
WO20012291 A1	20200116	WO2019IB55589	20190701

Priority:

IT201810000007032 20180709

Probable Assignee: DE VECCHI GIUSEPPE S R L

Assignee(s): (std): DE VECCHI GIUSEPPE S R L

Assignee(s): DE VECCHI GIUSEPPE SRL

Inventor(s): (std): PAROLINI DANIELE ; VILLANUEVA LUIGI ; CONTI MARIO

Agent(s): TANSINI ELIO FABRIZIO

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

9) Family number: 8470479 (US5372061A)

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Title: Espresso/cappuccino apparatus and method

Abstract: Several unique features for an improved espresso/cappuccino maker are disclosed. A method and apparatus for replenishing the steam tank for a cappuccino steam dispenser in which the cold replenishing water can only be added in stepped sequences, and only after the water in the tank has reached its desired operating temperature. The dispensing unit for holding the coffee filter is maintained in a constantly heated condition by direct thermal conductivity from the metal surface of the hot water tank which is nested and in direct contact with the metal of the dispensing assembly. The temperature probe for the steam wand is housed internally of the steam wand with only a tip protruding for ease of cleaning. Also, the entire steam wand assembly and solenoid control valve are pivotally mounted as a unit to eliminate the need for internal slip joints in the steam lines. A portafilter has an integral screen for holding a single, a double, or a double-double portion of ground coffee.

Classifications:

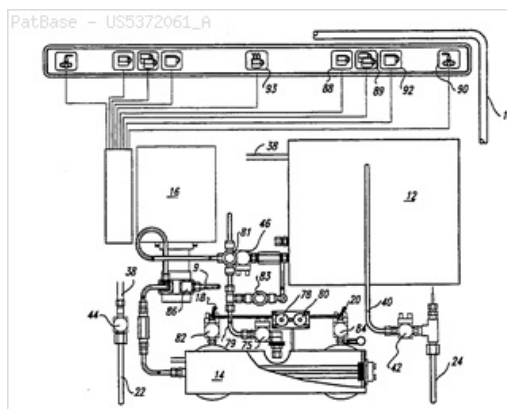
International (IPC 8-9): A47J31/46 A47J31/56 (Advanced/Invention); A47J31/44 (Core/Invention)

International (IPC 1-7): A47J1/56 A47J31/30 A47J31/46 A47J31/56

CPC: A47J31/46 A47J31/56

European: A47J31/46 A47J31/56

US: 99/281 99/293 992/810

**Family:**

Publication number	Publication date	Application number	Application date
AU199466348 A1	19941108	AU19940066348	19940414
US5372061 A	19941213	US19930046636	19930414
WO9423623 A2	19941027	WO1994US04137	19940414
WO9423623 A3	19950202	WO1994US04137	19940414

Priority:

US19930046636 19930414 WO1994US04137 19940414

Probable Assignee: SEMCO LLC

Assignee(s): (std): SEATTLE ESPRESSO MACH CO and ; SEATTLE ESPRESSO MACH CO AND AND AND ; SEATTLE ESPRESSO MACHINE COMPA ; AVANTI ESPRESSO U S A INC

Assignee(s): AVANTI ESPRESSO USA ; SEATTLE ESPRESSO MACHINE CO ; SEMCO LLC ; SEATTLE ESPRESSO MACHINE COMPANY

Inventor(s): (std): ALBERT A F ; MORGAN ROBERT C

Inventor(s): ALBERT A ; A F ALBERT ; ROBERT C MORGAN

Designated states: AT AU BE CA CH DE DK ES FR GB GR IE IT JP KR LU MC NL PT SE

10) Family number: 52603517 (EP2537449A1)

© PatBase

Title: An espresso coffee machine provided with independent control of operating temperature of each coffee dispensing unit

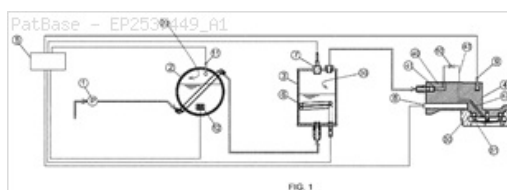
Abstract: The present invention relates to a coffee machine provided with a heat generator (8) and a temperature probe (9) in each coffee dispensing unit (4), in order to control the operating temperature of each coffee dispensing unit (4) independently.

Classifications:

International (IPC 8-9): A47J31/24 A47J31/36 A47J31/46 A47J31/56 (Advanced/Invention)

CPC: A47J31/36 A47J31/56

European: A47J31/36 A47J31/56

**Family:**

Publication number	Publication date	Application number	Application date
CN102835897 A	20121226	CN201210208800	20120619
CN102835897 B	20151028	CN201210208800	20120619
EP2537449 A1	20121226	EP20120170894	20120605
ITMC20110031 A1	20121221	IT2011MC00031	20110620
ITMC20120049 A1	20121221	IT2012MC00049	20120528
KR20120140198 A	20121228	KR20120062039	20120611

Priority:

IT2011MC00031 20110620 IT2012MC00049 20120528

Probable Assignee: NUOVA SIMONELLI S P A

Assignee(s): (std): NUOVA SIMONELLI S P A ; NUOVA SIMONELLI SPA

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

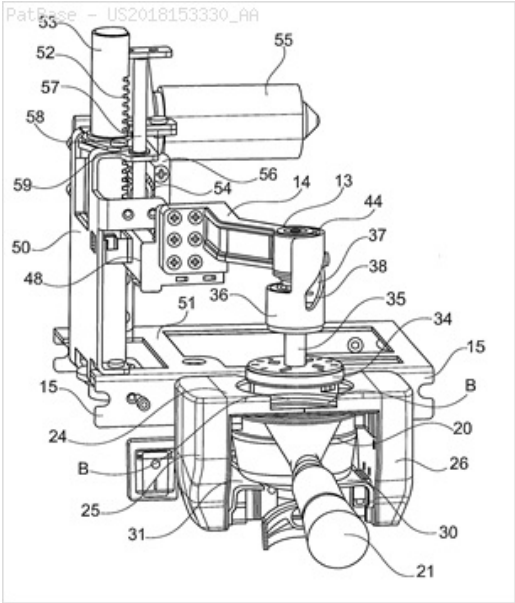
11) Family number: 69990561 (US2018153330A) © PatBase

Title: APPARATUS FOR PRESSING A DOSE OF COFFEE WITHIN THE PORTAFILTER

Abstract: An apparatus for filling the basket of a portafilter of an espresso machine with a predetermined dose of coffee grounds and for pressing it within the portafilter comprises a frame having a front wall, a support device for supporting the portafilter, which projects out of said front wall, and upon which the portafilter is placed, a first emplacement, configured on said support, in which said portafilter is placed for filling a predetermined dose of coffee grounds in its basket, a conduit with its opening facing said first emplacement configured on the support, a dispenser device for dispensing coffee grounds and cause a predetermined dose of coffee grounds to reach the basket of the portafilter, through said conduit, a second emplacement, configured on said support, in which said portafilter is positioned with the basket filled with the predetermined dose of coffee grounds, upon displacement thereof from said first emplacement, a pressing device for pressing the coffee grounds, mechanical means for supporting said pressing device in cantilever fashion from said frame, in a vertically aligned position above said second emplacement as well as motor means for moving it toward and away from the dose of coffee grounds contained in the basket of the portafilter.

Classifications:

International (IPC 8-9): A23F5/08 A47J31/06 A47J31/08 A47J31/10 A47J31/24 A47J31/36 A47J31/40 A47J31/42 A47J31/44 A47J42/40 A47J42/44 B30B15/30 B30B9/04 B30B9/06 (Advanced/Invention)
CPC: A47J31/36 A47J31/0631 A47J31/10 A47J31/24 A47J31/404 A47J31/4403 A47J42/40 A47J31/0657 B30B9/047 B30B9/06 B30B15/30
US: 1/1 100/99



Family:

Publication number	Publication date	Application number	Application date
AU2017268500 AA	20180621	AU20170268500	20171128
CA2987588 AA	20180602	CA20172987588	20171130
CN108143278 A	20180612	CN201711262554	20171204
EP3329812 A1	20180606	EP20170203239	20171123
EP3329812 B1	20190703	EP20170203239	20171123
ES2742123 T3	20200213	ES20170203239T	20171123
IT201600122741 A1	20180602	IT201610000122741	20161202
JP2018108349 A2	20180712	JP20170228780	20171129
KR20180063846 A	20180612	KR20170164229	20171201
PT3329812 T	20190829	PT20170203239T	20171123
RU2017140656 A	20190523	RU20170140656	20171122
TW201821002 A	20180616	TW20170140543	20171122
US2018153330 AA	20180607	US20170829029	20171201

Priority:

IT201610000122741 20161202 JP20170228780 20171129 KR20170164229 20171201

Probable Assignee: GRUPPO CIMBALI SPA

Assignee(s): (std): GRUPPO CIMBALI S P A ; GRUPPO CIMBALI SPA

Assignee(s): ABBIATI GIACOMO ; GRUPPO CHIMBALI S P A

Inventor(s): (std): GIACOMO ABBIATI ; ABBIATI GIACOMO

Inventor(s): ABBYATI DZHAKOMO

Agent(s): PHILLIPS ORMONDE FITZPATRICK; OYEN WIGGS GREEN AND MUTALA LLP; PERANI AND PARTNERS SPA; JORGE ISERN ISERN; AOKI ATSUSHI; SOYUZPATENT OOO

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

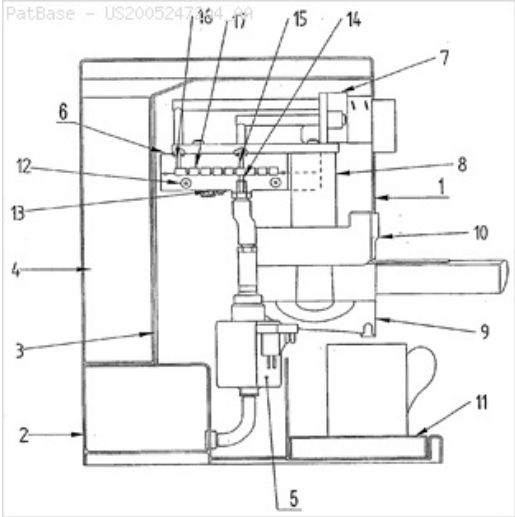
12) Family number: 30164612 (US2005247204A) © PatBase

Title: ESPRESSO COFFEEMAKER WITH REMOVABLE WATER RESERVOIR

Abstract: The invention concerns an espresso coffeemaker having a removable water reservoir (4) connected to a main

hydraulic circuit including a pump which sucks up water from the reservoir (4) and sends it into a heating unit and hence through the ground coffee contained in a filter-holder, said reservoir (4) being also connected to a return water hydraulic circuit exiting from the heating unit. The invention is characterized in that the device (28) connecting said reservoir (4) to said hydraulic circuits comprises means for expanding (49) the water jet returning through the hydraulic circuit to the reservoir and means for directing (44) said jet to a storage zone.

Classifications:
International (ipc 8-9): A47J31/36 (Advanced/Invention); A47J31/24 (Core/Invention)
International (ipc 1-7): A47J31/00 A47J31/057 A47J31/36 A47J31/58
CPC: A47J31/36
European: A47J31/36
US: 99/279 99/281 99/293 99/299 99/302R



Family:

Publication number	Publication date	Application number	Application date
AT373982 E	20071015	AT20030760718T	20030527
AU2003249422 AA	20040106	AU20030249422	20030527
DE60316560 D1	20071108	DE20036016560	20030527
DE60316560 D1	20071108	DE20036016560T	20030527
DE60316560 T2	20080626	DE20036016560T	20030527
EP1513434 A1	20050316	EP20030760718	20030527
EP1513434 B1	20070926	EP20030760718	20030527
ES2291683 T3	20080301	ES20030760718T	20030527
FR2841116 A1	20031226	FR20020007557	20020619
FR2841116 B1	20041126	FR20020007557	20020619
PT1513434 T	20080111	PT20030760718T	20030527
US2005247204 AA	20051110	US20040518354	20041217
US7347137 BB	20080325	US20040518354	20041217
WO04000083 A1	20031231	WO2003FR01593	20030527

Priority:

FR20020007557 20020619 FR20020207557 20020619 WO2003FR01593 20030527

Probable Assignee: SEB SA

Assignee(s): (std): CHARLES PATRICK ; LAFOND JEAN M ; LAFOND JEAN MARIE ; ROUCHES ALEXANDRE ; SEB SA

Assignee(s): SEB S A

Inventor(s): (std): LAFOND JEAN MARIE ; CHARLES PATRICK ; ROUCHES ALEXANDRE ; ALEXANDRE ROUCHES ; PATRICK CHARLES ; JEAN MARIE LAFOND ; LAFOND JEAN M

Inventor(s): LAFOND JEAN

Agent(s): SEB DEVELOPPEMENT; BROWDY AND NEIMARK PLLC 624 NINTH STREET NW; BROWDY AND NEIMARK PLLC

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

13) Family number: 58681630 (US2015114234A)

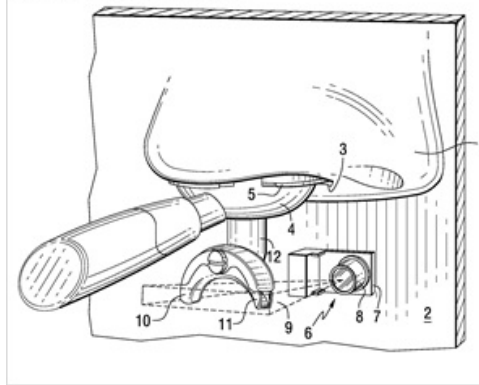
© PatBase

Title: DEVICE FOR IDENTIFICATION OF A FILTER HOLDER OF AN ESPRESSO COFFEE MACHINE

Abstract: A device for identification of a filter holder (4, 13) of an espresso coffee machine, comprising a support (3, 17, 18) on which the filter holder to be identified is removably placed, at least one thermopile radiation sensor (6, 6a) having a plurality of heat radiation-sensitive elements, an optical apparatus (8, 8a) that focuses radiations on said sensitive elements and circuit means, which receive electric signals transmitted by said sensitive elements and process a corresponding output signal. Said radiation sensor (6, 6a) is placed, relative to the support (3, 17, 18) for the filter holder to be identified, such that at least one portion thereof (10, 11, 15), when it is placed on the support, falls within the field of view (9, 9a) of the optical apparatus (8, 8a) of said sensor, such that said circuit means can determine a signal representative of the radiations of the filter holder portion detected by said optical apparatus of the sensor. According to the invention, the filter holder portion that is identified by the radiation sensor is a beverage dispensing spout portion of the filter holder.

Classifications:

International (ipc 8-9): A47J31/06 A47J31/24 A47J31/44 G01J5/08 G01J5/10 (Advanced/Invention)
CPC: A47J31/4492 G01J5/10 A47J31/24 G01J5/0806 A47J31/446
US: 99/285

**Family:**

Publication number	Publication date	Application number	Application date
CN104545470 A	20150429	CN201410587679	20141028
CN204192374 U	20150311	CN201420631373U	20141028
DE602014000849 D1	20160324	DE201460000849T	20141015
EP2865302 A1	20150429	EP20140189065	20141015
EP2865302 B1	20160203	EP20140189065	20141015
ES2564684 T3	20160328	ES20140189065T	20141015
ITMI20131791 A1	20150429	IT2013MI01791	20131028
KR20150048659 A	20150507	KR20140147554	20141028
US2015114234 AA	20150430	US20140526115	20141028

Priority:

IT2013MI01791 20131028 EP20140189065 20141015

Probable Assignee: GRUPPO CIMBALI SPA**Assignee(s):** (std): GRUPPO CIMBALI SPA**Assignee(s):** GRUPPO CIMBALI S P A**Inventor(s):** (std): ERBA ROBERTO**Agent(s):** PERANI AURELIO; DE ELZABURU ALBERTO**Designated states:** AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR**14) Family number: 61266642 (US2015374168A)**

© PatBase

Title: DEVICE FOR WETTING A DOSE OF GROUND COFFEE IN COFFEE MACHINES HAVING A HEATING ELEMENT ON THE DISPENSER UNIT, AND WETTING PROCESS

Abstract: An improved device for wetting a dose of ground coffee in coffee machines, preferably espresso machines, particularly but without limitation professional espresso making machines. The device comprises a source of pressurized water, at least one beverage dispenser unit, a filter holder removably coupled to said dispenser, a water heater placed on the dispenser unit, a water supply system connecting said source of pressurized water with said heater, a dispensing conduit connecting the heater with the dispenser unit, as well as a dispensing valve device inserted in said dispensing conduit for closing and opening the conduit and for feeding heated water to the filter holder and cause it to spread into the dose of ground coffee contained in the filter holder, as well as an electronic control and programming unit connected at least with said source of pressurized water, with said heater and with said dispensing valve device. The device further comprises an additional valve device located on said water supply system which connects said source of pressurized water with said heater, said additional valve device being connected to said electronic control and programming unit.

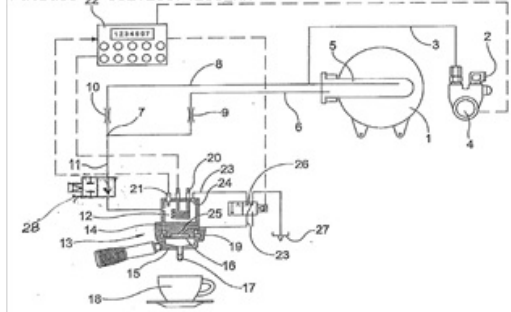
Classifications:

International (IPC 8-9): A23F5/26 A47J31/00 A47J31/02 A47J31/06 A47J31/24 A47J31/36 A47J31/40 A47J31/44 A47J31/46 A47J31/52 A47J31/54 A47J31/56 (Advanced/Invention)

CPC: A47J31/02 A47J31/0657 A23F5/262 A47J31/002 A47J31/465 A47J31/44 A47J31/56 A47J31/469

US: 426/433 99/283 99/300

PatBase - US2015374168_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2015202632 AA	20160121	AU20150202632	20150515
AU2015202632 BB	20190711	AU20150202632	20150515
CA2892207 AA	20151227	CA20152892207	20150520
CN105266592 A	20160127	CN201510363915	20150626
CN105266592 B	20190618	CN201510363915	20150626
DE602015022128 D1	20190117	DE201560022128T	20150514
EP2959808 A1	20151230	EP20150167712	20150514
EP2959808 B1	20181226	EP20150167712	20150514
ES2707983 T3	20190408	ES20150167712T	20150514

JP2016010684 A2	20160121	JP20150124413	20150622
JP6605851 B2	20191113	JP20150124413	20150622
KR20160001678 A	20160106	KR20150090175	20150625
PT2959808 T	20190204	PT20150167712T	20150514
RU2015125522 A	20170110	RU20150125522	20150626
RU2015125522 A3	20181130	RU20150125522	20150626
RU2687686 C2	20190515	RU20150125522	20150626
US2015374168 AA	20151231	US20150748664	20150624
US10149570 BB	20181211	US20150748664	20150624

Priority:

IT2014MI01182 20140627 EP20150167712 20150514 KR20150090175 20150625
RU20150125522 20150626 RU20150125522 20156226

Probable Assignee: GRUPPO CIMBALI SPA

Assignee(s): (std): GRUPPO CHIMBALI S P A ; GRUPPO CIMBALI SPA

Assignee(s): SAMPAOLI DAVIDE ; GRUPPO CHIMBALI SPA ; GRUPPO CIMBALI S P A ; CASALI ANDREA

Inventor(s): (std): ANDREA CASALI ; CASALI ANDREA ; SAMPOLI DAVIDE ; SAMPAOLI DAVIDE ; DAVIDE SAMPAOLI ; KAZALI ANDREA

Agent(s): PHILLIPS ORMONDE FITZPATRICK; SMART AND BIGGAR; PERANI AURELIO; PERANI AND PARTNERS SPA; ELZABURU SLP ELZABURU SLP; AOKI ATSUSHI; SHIMADA TETSURO; SOYUZPATENT OOO; TOWNER ESQ ALAN G; LEECH TISHMAN FUSCALDO AND LAMPL

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

15) Family number: 32025694 (US2005132891A)

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Title: CABINET DESIGN OF FILTER HOLDER FOR PRESSURIZED COFFEE MACHINES

Abstract: This invention provides a brewing head unit of a coffee machine for inserting and locking the filter and the filter holder into the brewing head of a coffee machine. The filter and the filter holder can be inserted into the coffee machine visually. This invention further provides a simpler and easier method for inserting filter holder into a pressurized coffee machine. This invention also provides a cabinet filter holder which can be inserted or placed into the brewing head assembly/unit of a coffee machine by sliding the filter holder into the brewing head unit from front or side; by swinging the filter holder into the brewing head assembly/unit on a pivot; or by inserting the filter holder from the top. This invention further provides a brewing head assembly/unit wherein the locking mechanism is motor-driven. In one aspect of this invention, the method for opening and closing the brewing head assembly/unit of the coffee machine can be operated by remote control. This invention further provides a cabinet filter design wherein the boiler or heating system is separated from the brewing head assembly/unit.

Classifications:

International (IPC 8-9): A47J A47J31/00 A47J31/057 A47J31/06 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/54

A47J31/58 (Advanced/Invention);

A47J31/06 A47J31/40 (Advanced/Non-invention);

A47J31/00 A47J31/04 A47J31/06 A47J31/24 A47J31/40

A47J31/44 (Core/Invention);

A47J (Subclass/Invention)

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

CPC: A47J31/0626 A47J31/0663 A47J31/0684 A47J31/3666

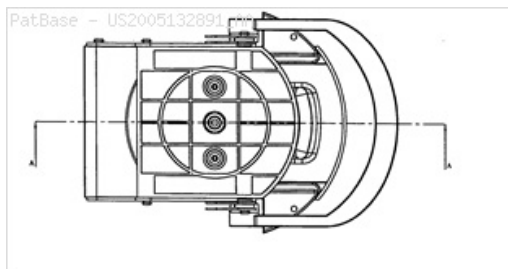
A47J31/3685 A47J31/4407 A47J31/4467

European: A47J31/06B A47J31/06G A47J31/06P2 A47J31/06P5

A47J31/36B A47J31/36B4B2 A47J31/40B A47J31/40H A47J31/44A1

A47J31/44A4D

US: 99/279 99/289R 99/295 99/302R



Family:

Publication number	Publication date	Application number	Application date
AT390874 E	20080415	AT20030029686T	20031223
AU2004308478 AA	20050714	AU20040308478	20041223
AU2004308478 BB	20080110	AU20040308478	20041223
BRPI0417942 A	20070417	BR2004PI17942	20041223
CA2547851 A	20060530	CA20042547851	20041223
CN1921787 A	20070228	CN200480041525	20041223
CN1921787 B	20100526	CN200480041525	20041223
DE03029686 T1	20051229	DE20030029686T	20031223
DE60320121 D1	20080515	DE20036020121	20031223
DE60320121 D1	20080515	DE20036020121T	20031223
DE60320121 T2	20090618	DE20036020121T	20031223
EP1547498 A1	20050629	EP20030029686	20031223
EP1547498 B1	20080402	EP20030029686	20031223
EP1703826 A1	20060927	EP20040815491	20041223
EP1703826 A4	20120829	EP20040815491	20041223
ES2250020 T1	20060416	ES20030029686T	20031223
HK1073416 A1	20080613	HK20050105612	20050705
HK1073416 A1	20051007	HK20050105612	20050705
HK1073416 A3	20051007	HK20050105612	20050705
HK1073416 B	20080613	HK20050105612	20050705
HK1093412 A1	20070302	HK20070100546	20070116
HK1093412 A3	20070302	HK20070100546	20070116
JP2007516053 T2	20070621	JP20060547403T	20041223
KR20070019971 A	20070216	KR200607014481	20060719
US2005132891 AA	20050623	US20030745440	20031223
US2006137534 AA	20060629	US20060325806	20060105
US2007151458 AA	20070705	US20040584421	20041223
US7237475 BB	20070703	US20030745440	20031223

US7617763 BB	20091117	US20060325806	20060105
US7694624 BB	20100413	US20040584421	20041223
WO05063092 A1	20050714	WO2004US43422	20041223

Priority:

EP20030029686 20031223 US20030745440 20031223 EP20040815491 20041223
US20040584421 20041223 WO2004US43422 20041223 US20060325806 20060105

Probable Assignee: ELECTRICAL AND ELECTRONICS LTD

Assignee(s): (std): CHEN ANDREW Y C ; CHEN ANDREW YUEN CHIN ; CHIN CHEN ANDREW Y ; ELECTRICAL AND ELECTRONICS LTD ; POON SUM FAT ; POON SUM F

Assignee(s): ELECTRICAL AND ELECTRONICS LTD TAI PO ; ELECTRICAL AND ELECTRONICS 12 FL BLOCK 3 TAI PING LTD ; ELECTRICAL AND ELECTRONICS LIMITED

Inventor(s): (std): CHEN ANDREW YUEN CHIN ; POON SUM FAT ; CHEN ANDREW YUEN C ; POON SUM F ; CHIN CHEN ANDREW Y ; SUM FAT POON ; ANDREW YUEN CHIN CHEN ; CHEN ANDREW Y C ; FAT CHEN ANDREW YUEN CHIN POON ; CHEN ANDREW YUEN ; POON SUM ; CHEN ANDREW ; CHIN CHEN ANDREW YUEN ; FAT POON SUM ; POON SUM FAT F

Inventor(s): CHIN CHEN ANDREW ; CHEN ANDREW YC ; CHEN ANDREW YUEN CHIN POON SUM FAT

Agent(s): PATENT ATTORNEY SERVICES; MACPHERSON LESLIE AND TYERMAN LLP; CAPASSO OLGA ET AL; WENPING AND CO ROOM 1701 TUNG WAI COMMERCIAL BUILDING 111 GLOUCESTER; WENPING AND CO; ALBERT WAI-KIT CHAN, WORLD PLAZA SUITE 604; ALBERT WAI KIT CHAN WORLD PLAZA SUITE 604; LAW OFFICES OF ALBERT WAI-KIT CHAN LLC; LAW OFFICES OF ALBERT WAI KIT CHAN LLC; ALBERT WAI KIT CHAN; LAW OFFICES OF ALBERT WAI KIT CHAN PLLC; GEORGE A

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

16) Family number: 44928694 (US2010098823A)

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Title: PORTABLE ELECTRICAL PISTON-DRIVEN ESPRESSO MACHINE

Abstract: A method of making espresso and a portable espresso machine incorporating that method that is compact, lightweight, requires low power, and is readily transportable. The quantity of water required to make espresso is heated to the brewing temperature in a boiler equipped with a piston. The piston is driven by an electric motor. During the brewing cycle, the hot water is pushed by the piston through the compacted coffee contained in the portafilter. The rate of piston movement is chosen such that the coffee in the portafilter is infused by the hot water at the high pressure necessary for making espresso, typically about 100 psi or higher, and also such that the contact between the coffee and water is of a duration suitable for making espresso, typically about 15-25 seconds. The components are thermally insulated and strategically placed to minimize the size of the machine and allow for portability.

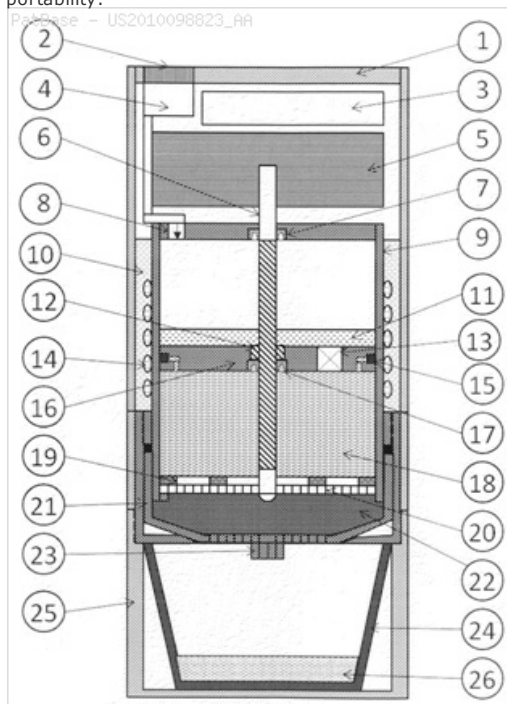
Classifications:

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

CPC: A47J31/36

European: A47J31/36

US: 426/433 426/433P 99/302.00PS 99/302P



Family:

Publication number	Publication date	Application number	Application date
US2010098823 AA	20100422	US20080288391	20081020

Priority:

US20080288391 20081020

Probable Assignee: NENOV CHRIS

Assignee(s): (std): NENOV CHRIS ; PETROV PETER

Inventor(s): (std): NENOV CHRIS ; PETROV PETER

Agent(s): CHRIS NENOV

Title: APPARATUSES FOR LOADING PORTAFILTERS OF ESPRESSO COFFEE MACHINES WITH DOSES OF GROUND COFFEE HAVING PREDETERMINED WEIGHTS AND COMPOSED OF DIFFERENT TYPES OF COFFEE, ACCORDING TO GIVEN RECIPES

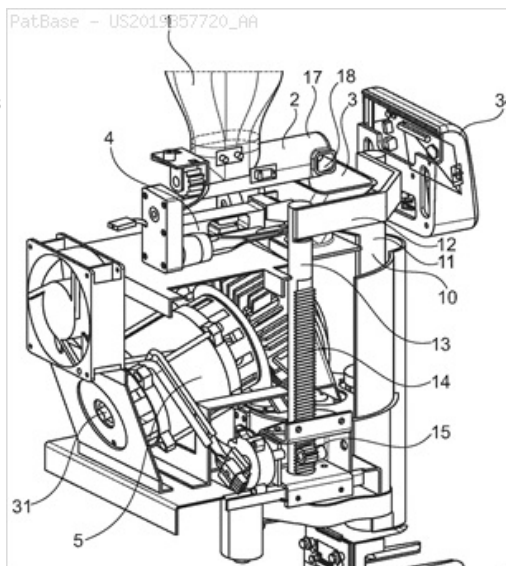
Abstract: An apparatus for loading a portafilter of an espresso coffee machine with a dose of ground coffee having a predetermined weight and composed of a single type of coffee or of a composition of different types of coffee, according to a given recipe. The apparatus comprises a plurality of hoppers each containing a different type of coffee beans. The exhaust pipes of the hoppers converge into a single collection point associated with a coffee bean weighing device and a coffee bean grinding device that can provide different grinding degrees. The ground coffee, which may have different particle sizes according to the types of coffee that form the dose, flows into a respective cylindrical container of a loading device having a plurality of containers arranged around a central axis of rotation and a radially and axially open compartment, which is designed to allow the passage of the tamper for tamping the dose of ground coffee in the portafilter, when said compartment is moved by an angular displacement of the loader to alignment with the tamper and with the underlying portafilter. The apparatus comprises a tamper for tamping the ground coffee, which may also provide different tamping degrees for the different amounts of ground coffee that form the dose according to the selected recipe, as the dose is being received in the portafilter.

Classifications:

International (IPC 8-9): A47J31/06 A47J31/36 A47J31/40 A47J31/42 A47J31/44 A47J31/52 A47J42/00 A47J42/38 A47J42/40 A47J42/42

A47J42/46 A47J42/50 (Advanced/Invention)

CPC: A47J31/3609 A47J31/525 A47J31/42 A47J42/38 A47J2043/0733 A47J42/50



Family:

Publication number	Publication date	Application number	Application date
AU2019203463 AA	20191212	AU20190203463	20190517
CA3043413 AA	20191128	CA20193043413	20190514
CN110537854 A	20191206	CN201910446489	20190527
EP3574811 A1	20191204	EP20190174575	20190515
JP2020006148 A2	20200116	JP20190095033	20190521
KR20190135419 A	20191206	KR20190060714	20190523
TW202002866 A	20200116	TW20190116278	20190510
US2019357720 AA	20191128	US20190422429	20190524

Priority:

IT201810000005774 20180528 KR20190060714 20190523

Probable Assignee: GRUPPO CIMBALI SPA

Assignee(s): (std): GRUPPO CIMBALI SPA

Assignee(s): ABBIATI GIACOMO ; GRUPPO CIMBALI S P A

Inventor(s): (std): ABBIATI GIACOMO

Agent(s): PHILLIPS ORMONDE FITZPATRICK; OYEN WIGGS GREEN AND MUTALA LLP; PERANI AND PARTNERS SPA

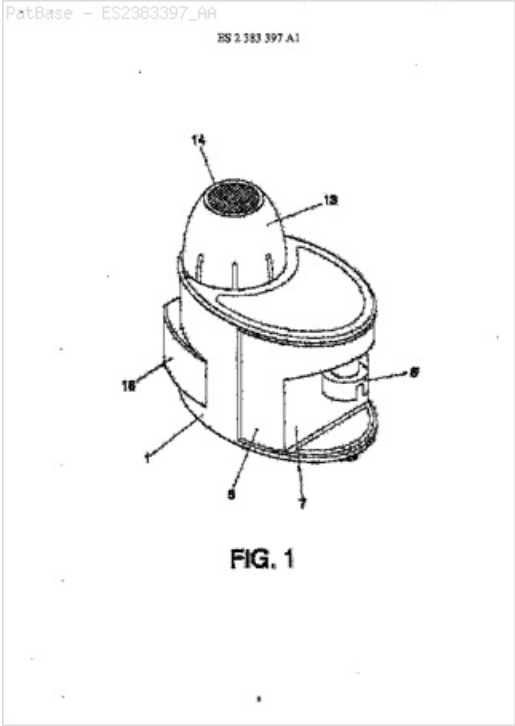
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: MAQUINA PARA VACIAR EL POSO DE CAFE DEL PORTA-FILTROS DE CAFETERAS EXPRESO MACHINE TO EMPTY COFFEE GROUNDS OF COFFEE FILTERS CARRIER EXPRESS (Machine translation)

Abstract: Source: ES2383397A [ES] Maquina para vaciar el poso de cafe del porta-filtros de cafeteras expreso que comprende una carcasa soporte (1), un motor de aspiracion (8) y un deposito extraible (5) para el almacenamiento del poso de cafe extraido, cuya carcasa soporte (1) dispone de una cavidad (3), con abertura frontal (4), para la insercion del deposito extraible (5) de almacenamiento del poso del cafe de igual configuracion geometrica que la cavidad (3), estando dicho deposito extraible (5) provisto de una embocadura de aspiracion (6) para el acoplamiento del portafiltros y aspiracion del poso de cafe contenido en el mismo, y de una tapa superior (12) provista de un orificio (11) en correspondencia con otro orificio (10) practicado sobre la carcasa soporte (1) en posicion cerrada, a traves de los cuales actua el motor de aspiracion (8), el cual esta protegido mediante un filtro.

Machine translation: Machine to empty the dregs of the coffee filter holder espresso machines comprising a housing support (1), a suction motor (8) and a removable tank (5) for storing the extracted coffee grounds, which housing support (1) has a cavity (3), with door (4), for the insertion of the removable tank (5) storage of coffee grounds in the same geometric configuration the cavity (3), wherein said removable tank (5) provided with a suction mouth (6) for coupling the suction holder and spent coffee contained therein, and an upper cover (12) provided with a hole (11) in correspondence with another hole (10) formed on the housing support (1) in closed position, through which it acts the suction motor (8), which is protected by a filter.

Classifications:
International (IPC 8-9): A47J31/60 (Advanced/Invention)
CPC: A47J31/60



Family:

Publication number	Publication date	Application number	Application date
ES2383397 AA	20120620	ES20090000948	20090407
ES2383397 BA	20130426	ES20090000948	20090407

Priority:

ES20090000948 20090407

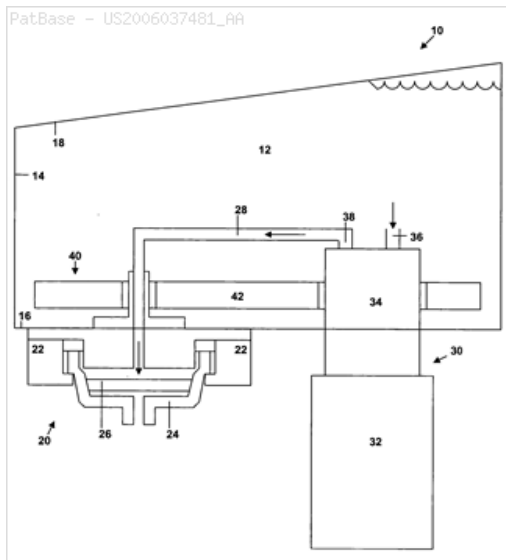
Probable Assignee:	SOTO ZAPATA MANUEL
Assignee(s): (std):	SOTO ZAPATA MANUEL
Assignee(s):	MANUEL SOTO ZAPATA
Inventor(s): (std):	SOTO ZAPATA MANUEL
Inventor(s):	MANUEL SOTO ZAPATA
Agent(s):	PONS ANGEL

19) Family number: 32631782 (US2006037481A) © PatBase

Title: ESPRESSO MACHINE AND METHOD OF USE THEREOF

Abstract: An espresso machine having a brew water tank and a heating block located within the brew water tank. The heating block is preferably made of a thermally conductive material such as copper and will preferably have a body and thermally conductive vertical members extending vertically from the body within the brew water tank. The heating block will be associated with a heat source which can be an electric heater. The espresso machine may also include a pump head consisting of an input, and output, and an impeller mechanism, positioned within the brew water tank and in contact on at least one side with heated brew water. In addition, the brew water conduit connecting the pump to the brew head will be located substantially within the brew water tank. Thus, temperature loss in the brew water conduit or in the pump head will be minimized. In addition, a second heat source may be operatively associated with the bayonet or portafilter. Thus, a reduction in the temperature of brew water as it passes through the ground coffee in the portafilter can be minimized. A separate and distinct exhaust conduit may also be placed in fluid communication with the brew head, allowing the exhaustion of pressurized water from the brew head, after the preparation of a shot of espresso, entirely through a conduit which is separate from the clean water supply.

Classifications:
International (IPC 8-9): A47J31/44 (Advanced/Invention);
A47J31/44 (Core/Invention)
CPC: A47J31/545
European: A47J31/54A1
US: 99/279

**Family:**

Publication number	Publication date	Application number	Application date
US2006037481 AA	20060223	US20050206417	20050818

Priority:

US20040602529P 20040818 US20050206417 20050818

Probable Assignee:

BICHT JOHN

Assignee(s): (std):

BICHT JOHN

Inventor(s): (std):

BICHT JOHN

Agent(s):

SWANSON AND BRATSCHUN LLC

20) Family number: 48769829 (US2011094391A)

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Title: APPARATUS AND A METHOD FOR REFILLING THE FILTER-HOLDERS OF AN ESPRESSO COFFEE MACHINE WITH SELECTED DOSES OF GROUND COFFEE TO ORDER

Abstract: An apparatus for refilling the filter-holders of a machine for the preparation of espresso coffee with selected doses of ground coffee to order, comprising at least one machine for the preparation of espresso coffee the machine being provided with a plurality of dispensing units for the preparation of respective coffee beverages, each dispensing unit comprising a respective detachable filter-holder and a plurality of keys for selecting the beverage to be dispensed by the relative dispensing unit and at least one coffee bean grinder and metering device provided with a hopper for supplying the beans with adjustable grinding adapted to provide a desired grain size for the ground coffee. The grinder and metering device is provided with a hopper for supplying the ground coffee and with supporting means for maintaining the filter-holder of the coffee machine with respect to the supply outlet when it is being refilled with the dose of ground coffee. An identification unit is provided on the espresso coffee machine generating information for recognising the filter-holder of a selected relative dispensing unit and information related to the type of dose with which the filter-holder is to be refilled. A detection unit is provided on the coffee bean metering and grinding device for detecting the information generated by the identification unit, the detection unit causing the corresponding dose to be supplied to the filter-holder when the latter is positioned and held by the supporting means. A wireless communicating device on the espresso coffee machine is provided for transmitting the information generated by the identification unit to the detection unit on the coffee bean metering and grinding device.

Classifications:

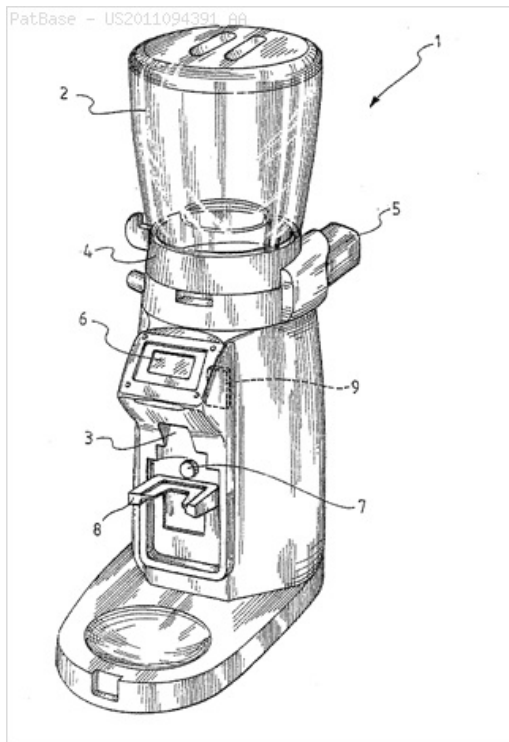
International (IPC 8-9): A47J31/06 A47J31/42 A47J31/52

A47J42/40 (Advanced/Invention)

CPC: A47J31/525 A47J31/404 A47J31/52 A47J42/40 A47J31/0663

European: A47J31/52 A47J42/40 K47J31/40E

US: 99/285 99/285P 99/286 99/286S 99/317 99/317S

**Family:**

Publication number	Publication date	Application number	Application date
DE602009010467 D1	20121213	DE200960010467T	20091023
EP2314188 A1	20110427	EP20090425421	20091023
EP2314188 B1	20121017	EP20090425421	20091023
ES2395696 T3	20130214	ES20090425421T	20091023
PT2314188 T	20121121	PT20090425421T	20091023
US2011094391 AA	20110428	US20100909176	20101021
US8800432 BB	20140812	US20100909176	20101021

Priority:

EP20090425421 20091023

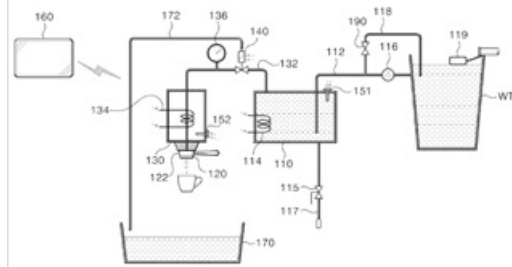
Probable Assignee: GRUPPO CIMBALI SPA**Assignee(s):** (std): ERBA ROBERTO ; GRUPPO CIMBALI SPA ; ORESOLI DAVIDE**Assignee(s):** GRUPPO CIMBALI S P A**Inventor(s):** (std): ERBA ROBERTO ; ORESOLI DAVIDE**Inventor(s):** DAVIDE ORESOLI ; ROBERTO ERBA**Agent(s):** CBDL PATENTANWALTE; PERANI AURELIO; CARPINTERO MARIO; NIXON AND VANDERHYE PC**Designated states:** AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR**21) Family number: 67650836** (KR20170131075A)

© PatBase

Title: GROUP HEAD HEATING SYSTEM OF ESPRESSO COFFEE MACHINE

Abstract: The present invention includes: a housing shaping the body of an espresso machine; a hot water boiler generating hot water by heating water supplied from a water tank; a portafilter storing ground coffee powder, and including an outlet for discharging extracted coffee on a lower portion; a group head supplying the hot water to the portafilter to extract coffee; a second heater reheating the hot water supplied to the portafilter; a bypass valve selectively discharging water in accordance with settings of a user to control pressure of the hot water supplied to the group head; a sensor part measuring the temperature of the hot water supplied to the portafilter; and a control part controlling the operation of the bypass valve. As such, the present invention is capable of extracting high quality coffee by maintaining the temperature of hot water in the hot water boiler and the temperature of hot water supplied to the portafilter at a level which the user sets.

Classifications:**International (IPC 8-9):** A47J31/10 A47J31/36 A47J31/46 A47J31/54 A47J31/56 (Advanced/Invention)**CPC:** A47J31/106 A47J31/36 A47J31/3671 A47J31/465 A47J31/545 A47J31/56

**Family:**

Publication number	Publication date	Application number	Application date
■ KR101900920 B1	20181108	KR20160062248	20160520
■ KR20170131075 A	20171129	KR20160062248	20160520

Priority:

KR20160062248 20160520

Probable Assignee:

FLOWELL

Assignee(s): (std):

FLOWELL

Inventor(s): (std):

UHM YONG HOE

22) Family number: 52531882 (FR2975578B)

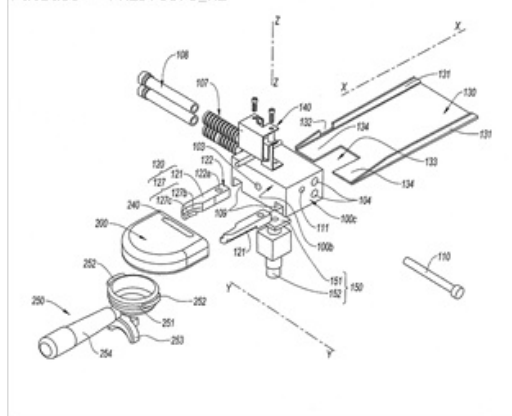
© PatBase

Title: MACHINE A CAFE DE TYPE EXPRESSO

Abstract: Source: FR2975578B [FR] Machine a cafe de type expresso munie d'un porte-filtre (250) et comprenant un support (120) ayant deux bras (121) formant une glissiere pour recevoir la tete amovible (200) avec deux rampes laterales pour chevaucher les bras (121) laissant libre le dessous pour l'acces a l'emplacement de fixation du porte-filtre. Un canal de distribution debouche dans le cote arriere de la tete (200) et vient contre le bloc de chauffe (100) en communication avec sa sortie (103). Le dessus est muni d'une encoche de verrouillage (240) pour cooperer avec un verrou (140) retenant la tete (200) contre le bloc de chauffe (100).

Classifications:**International (IPC 8-9):** A47J31/24 A47J31/44 (Advanced/Invention)**CPC:** A47J31/4467 A47J31/4464**European:** A47J31/44A4B A47J31/44A4D

PatBase - FR2975578_A1

**Family:**

Publication number	Publication date	Application number	Application date
■ FR2975578 A1	20121130	FR20110054475	20110523
■ FR2975578 B1	20130524	FR20110054475	20110523

Priority:

FR20110054475 20110523

Probable Assignee:

SARL SAGAA

Assignee(s): (std):

SARL SAGAA

Inventor(s): (std):

CAMPANINI DENIS

Inventor(s):

DENIS CAMPANINI

23) Family number: 62755946 (EP3037023B1)

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Title: DEVICE FOR CARRYING OUT THE CONNECTION OF A FILTER-HOLDER TO THE RELATIVE DISPENSING GROUP OF AN ESPRESSO COFFEE MACHINE DISPOSITIF POUR LA MISE EN OEUVRE DE LA CONNEXION D'UN PORTE-FILTRE POUR LE GROUPE DE DISTRIBUTION RELATIVE D'UNE MACHINE A CAFÉ

Abstract: Device for carrying out the connection of a filter-holder (5) of an espresso coffee machine to the relative hot water dispensing group (1) for producing the beverage, wherein the filter-holder (5) comprises a body, provided with a handle (24), with a cavity inside it defined by a cylindrical wall (19), a pair of diametrically opposite tabs (17, 18) projecting radially from said side wall (19) and wherein the dispensing group (1) comprises an opening (4) suitable for receiving the open end of the cavity of the body of the filter-holder (5) and a pair of guides (14,15) extending helically about an axis (Z-Z') perpendicular to the plane on which the connection between filter-holder and dispensing group occurs, arranged around said opening and each suitable for receiving a respective tab of said pair of tabs (17, 18) of the filter-holder on it, through bayonet coupling. The device comprises a plate-shaped element (6) fixed to said dispensing group (1). Said plate-shaped element is provided with an opening (8) in alignment with said opening (4) of the dispensing group and is provided with a tubular cavity (7), open at both axial ends (8, 9) arranged in alignment with said opening (4) of the dispensing group. The device also comprises an annular element (13) positioned inside said cavity (7), free to rotate about the longitudinal axis thereof and provided with motor means (30, 31, 32, 33) to carry out angular displacements and, since the pair of helically-extending guides (14, 15) is formed on the inner wall (16) of said annular element, the insertion of the filter-holder takes place in a servo-assisted manner.

Classifications:

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

CPC: A47J31/4464

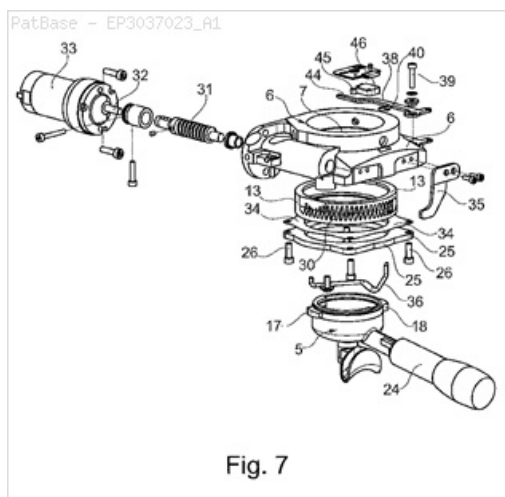


Fig. 7

Family:

Publication number	Publication date	Application number	Application date
DE602015002436 D1	20170608	DE201560002436T	20151109
EP3037023 A1	20160629	EP20150193743	20151109
EP3037023 B1	20170426	EP20150193743	20151109
ES2628030 T3	20170801	ES20150193743T	20151109
PT3037023 T	20170622	PT20150193743T	20151109

Priority:

IT2014MI02213 20141222 EP20150193743 20151109

Probable Assignee: GRUPPO CIMBALI SPA

Assignee(s): (std): GRUPPO CIMBALI SPA

Inventor(s): (std): MOSCONI CLAUDIO ; CLAUDIO MOSCONI

Agent(s): PERANI AURELIO; ELZABURU SLP ELZABURU SLP

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

24) Family number: 67651962 (EP3248521B1)

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Title: DEVICE FOR CONTROLLING THE FLOW OF GROUND COFFEE COMING OUT FROM A COFFEE GRINDER APPAREIL POUR REGLER L'ÉCOULEMENT DE CAFÉ MOULÉ SORTANT D'UN MOULIN À CAFÉ

Abstract: A device for imparting uniformity to the flow of ground coffee that comes from an "on-demand" grinder-doser (1) and directed, under the dispensing thrust of the latter, when in operation, toward the portafilter (7) of an espresso coffee machine, in which said flow is collected until the amount corresponding to the dose required for beverage formation is reached, whereupon the grinder-doser stops. The device comprises a tubular conduit (5) for said flow, an opening (6) through which the flow is discharged, which is placed in the conduit in a point that overlies the location (8) in which the portafilter (7) is placed for receiving said flow of ground coffee. The section of said opening, as viewed transverse to the axis of the conduit (5) for said flow of ground coffee, has a contour that extends along a closed line. The device comprises a partition (12) connected to portion (13) of the contour of said opening (6) and able to angularly move toward the exterior of the opening between at least two angularly offset positions under the thrust of said flow of ground coffee and against elastic means (15). Said elastic means comprise means (18) for adjusting the intensity of the elastic forces exerted thereby. Once the flow has been compacted against said partition (12) it becomes a smooth, fluctuation-free flow and the amount of ground coffee that is received in the portafilter (7) during operation of the grinder-doser actually corresponds to the required dose.

Classifications:

International (IPC 8-9): A47J42/40 (Advanced/Invention)

CPC: A47J42/40

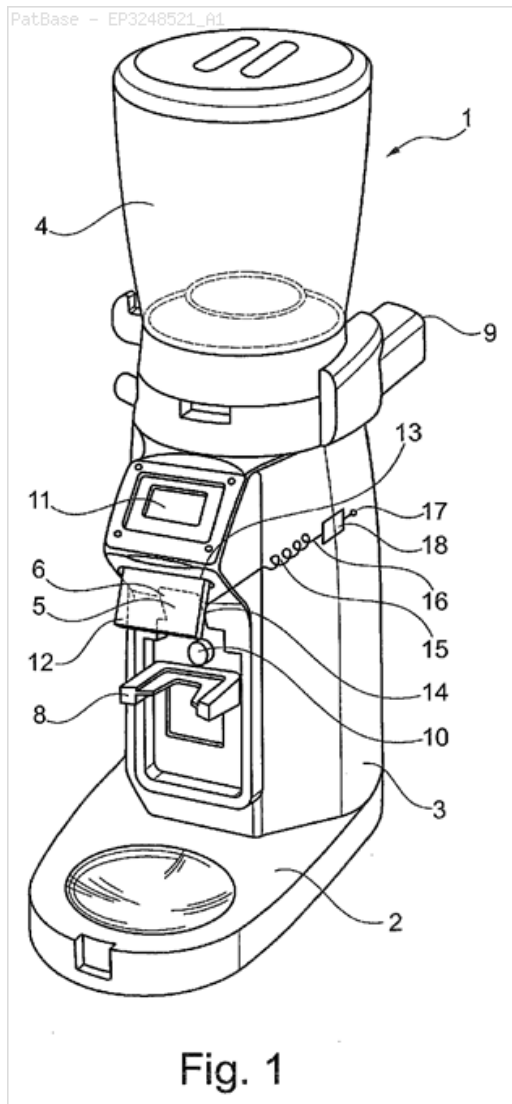


Fig. 1

Family:

Publication number	Publication date	Application number	Application date
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EP3248521 A1	20171129	EP20170166778	20170418
EP3248521 B1	20190522	EP20170166778	20170418
ES2735799 T3	20191220	ES20170166778T	20170418
ITUA20162938 A1	20171027	IT2016UA02938	20160427
PT3248521 T	20190726	PT20170166778T	20170418

Priority:

IT2016UA02938 20160427 EP20170166778 20170418

Probable Assignee: GRUPPO CIMBALI SPA**Assignee(s):** (std): GRUPPO CIMBALI SPA**Inventor(s):** (std): ABBIATI GIACOMO ; GIACOMO ABBIATI**Agent(s):** PERANI AURELIO; PERANI AND PARTNERS SPA; ISERN JARA JORGE**Designated states:** AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR**25) Family number: 46418991 (US2011283889A)**

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Title: ESPRESSO MACHINE WITH GRINDER DOSING CONTROL

Abstract: An espresso machine has a built-in coffee grinder. An electrical switch toggles between a one cup dose and a two cup dose. The switch works in conjunction with a dose strength adjustment. Alteration of the dose strength adjustment alters the dose strength for both the one cup or two cup dose settings. The internal coffee grinder dispenses into a portafilter that is held in a hand free support cradle. In some embodiments, the upper burr head of the grinder is retained by a bracket. The combination of upper burr head and bracket allows the upper burr head to be removed and replaced without having to re-set the grind size.

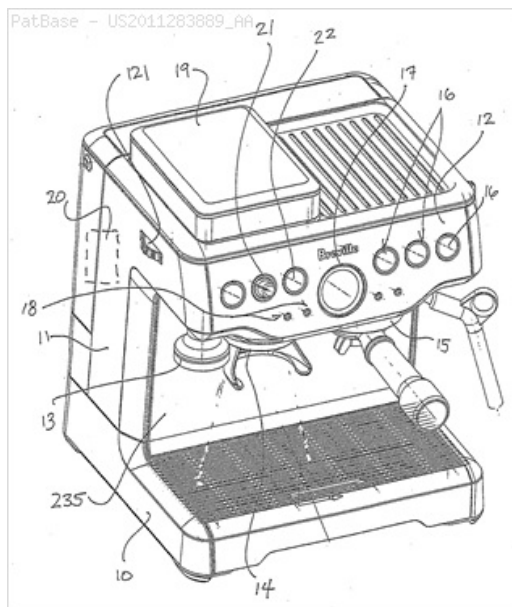
Classifications:

International (IPC 8-9): A47J31/00 A47J31/06 A47J31/36 A47J31/42 A47J31/44 A47J31/46 A47J42/40 A47J42/44 (Advanced/Invention); A47J31/42 A47J42/00 (Core/Invention)

CPC: A47J37/00 A47J31/3609 A47J31/42 A47J31/4464 A47J42/40 A47J42/44

European: A47J31/42 A47J31/44A4B A47J42/40 A47J42/44

US: 99/286 99/286P



Family:

Publication number	Publication date	Application number	Application date
AU2010207886 AA	20100805	AU20100207886	20100129
AU2010207886 AA	20110811	AU20100207886	20100129
AU2016203881 AA	20160630	AU20160203881	20160609
AU2016203881 BB	20180215	AU20160203881	20160609
CN102325485 A	20120118	CN201080008807	20100129
CN102325485 B	20150909	CN201080008807	20100129
CN105054791 A	20151118	CN201510500733	20100129
CN105054791 B	20180703	CN201510500733	20100129
DE202010018613 U1	20181004	DE201020018613U	20100129
EP2391250 A1	20111207	EP20100735432	20100129
EP2391250 A4	20140521	EP20100735432	20100129
RU2011135818 A	20130310	RU20110135818	20100129
RU2015104155 A	20160827	RU20150104155	20150209
RU2015104155 A3	20180731	RU20150104155	20150209
RU2555800 C2	20150710	RU20110135818	20100129
RU2680420 C2	20190221	RU20150104155	20150209
US2011283889 AA	20111124	US20100145777	20100129
US2020077832 AA	20200312	US20190538766	20190812
WO10085850 A1	20100805	WO2010AU00087	20100129

Priority:

AU20090900315 20090129	AU20100207886 20100129	CN201080008807 20100129
EP20100735432 20100129	WO2010AU00087 20100129	US20110145777 20110721
RU20150104155 20150209	AU20160203881 20160609	US20160185024 20160617
US20190538766 20190812		

Probable Assignee: BREVILLE PTY LTD

Assignee(s): (std): BREVILLE R AND D PTY LTD ; CON PSAROLOGOS ; PSAROLOGOS CON ; DAVENPORT DAVID ; HOARE RICHARD ; BREVILL PTI LTD

Assignee(s): BREVILLE PTY LIMITED ; BREVILLE PTY LTD

Inventor(s): (std): DEHVENPORT DEHVID ; KHOR RICHARD ; PSAROLOGOS KON ; DEVENPORT DEVID ; DAVID DAVENPORT ; RICHARD HOARE ; CON PSAROLOGOS ; HOARE RICHARD ; DAVENPORT DAVID ; PSAROLOGOS CON

Agent(s): MOLINS AND CO; MOLINS AND CO PTY LTD; SPRUSON AND FERGUSON; WILLIAMS CEILI; SOYUZPATENT OOO; MOLINS MICHAEL

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

1) Family number: 32271013 (US2007175335A)

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Title: BEVERAGE EXTRACTION ASSEMBLY FOR EXTRACTING A BEVERAGE FROM A PARTICULATE SUBSTANCE CONTAINED IN A CARTRIDGE

Abstract: A beverage extraction assembly for application to beverage extraction machines for extracting a beverage from a particulate substance contained in a cartridge, comprising: a support connectable to a water outlet of a beverage extraction machine; a cartridge holder removably mounted on the support for holding a cartridge containing a particulate substance, the cartridge comprising at least a first cartridge port protruding outwardly from its upper surface for receiving water under pressure; the support comprising a water inlet port connectable to the water outlet, for delivering the water to the first cartridge port, the cartridge holder comprising a bottom aperture for providing an escape for the extracted beverage; the water inlet port of the support comprising means for providing a radial fluid-tight seal between the water inlet port and the first cartridge port.

Classifications:

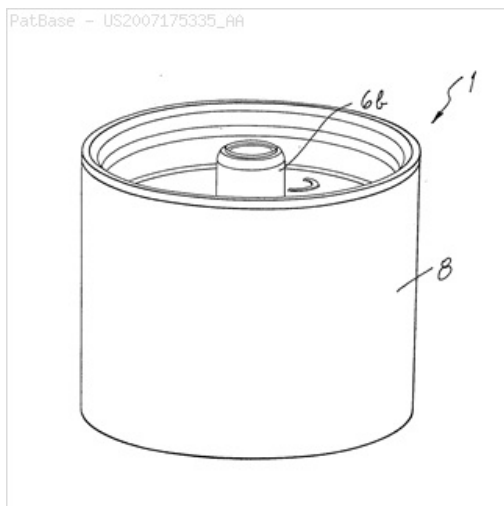
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A47J31/00 A47J31/24 A47J31/40 A47J31/44 (Core/Invention)

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

CPC: A47J31/3695 B65D85/8043

European: A47J31/36B4D2 A47J31/40B A47J31/40H B65D85/804B

US: 99/279 99/279P 99/295 99/302.00R 99/302R



Family:

Publication number	Publication date	Application number	Application date
AR050488 AA	20061101	AR2005P101094	20050321
AT366535 E	20070815	AT20040007297T	20040326
AU2005226878 AA	20051006	AU20050226878	20050318
AU2005226878 BB	20100603	AU20050226878	20050318
BRPI0509178 A	20070918	BR2005PI09178	20050318
CA2560846 AA	20060922	CA20052560846	20050318
CA2560846 C	20130716	CA20052560846	20050318
CN1933754 A	20070321	CN200580009442	20050318
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DE602004007478 D1	20070823	DE200460007478T	20040326
DE602004007478 T2	20080410	DE200460007478T	20040326
DK1579793 T3	20070924	DK20040007297T	20040326
EP1579793 A1	20050928	EP20040007297	20040326
EP1579793 B1	20070711	EP20040007297	20040326
ES2289382 T3	20080201	ES20040007297T	20040326
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JP4815431 B2	20111116	JP20070504324T	20050318
MXPA06010984 A1	20070321	MX2006PA10984	20050318
RU2006137713 A	20080510	RU20060137713	20050318
RU2372827 C2	20091120	RU20060137713	20050318
TW200605829 A	20060216	TW20050109347	20050325
TWI359002 B	20120301	TW20050109347	20050325
US2007175335 AA	20070802	US20050590288	20050318
US7703381 BB	20100427	US20050590288	20050318
WO05092162 A1	20051006	WO2005EP02919	20050318

Priority:

EP20040007297 20040326 WO2005EP02919 20050318

Probable Assignee: ILLY CAFFE SPA

Assignee(s): (std): DELLAPIETRA BRUNO ; ILLIKAFFE S P A ; SUGGI LIVERANI FURIO ; MASTROPASQUA LUCA ; VAN EEDEN FRANS ; LIVERANI FURIO S ; ILLYCAFFE AND PRIME S P A ; ILLYCAFFE SPA

Assignee(s): ILLYCAFFE AND 39 SPA ; ILLYCAFFE AND 8242 SPA ; ILLYCAFFE S P A ; ILLIKAFFE SPA ; ILLY CAFFE SPA ; ILLYCAFFE ; ILLYCAFFE 8242 S P A

Inventor(s): (std): SUGGI LIVERANI FURIO ; MASTROPASQUA LUCA ; VAN EEDEN FRANS ; DELLAPIETRA BRUNO ; BRUNO SUGGI LIVERANI FURIO MAS ; BRUNO DELLAPIETRA ; FRANS EEDEN VAN ; LUCA MASTROPASQUA ;

Inventor(s): FURIO SUGGI LIVERANI ; SUDZHI LIVERANI FURIO ; MASTROPASKUA LUKA ; DELLAP'ETRA BRUNO ; VAN EHDEN FRANS ; LIVERANI FURIO SUGGI ; EEDEN FRANS VAN ; LIVERANI FURIO S

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; CANTOR COLBURN LLP

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

2) Family number: 55360055 (US2015175347A) © PatBase

Title: PORTION CAPSULE AND METHOD FOR PRODUCING A BEVERAGE BY MEANS OF A PORTION CAPSULE

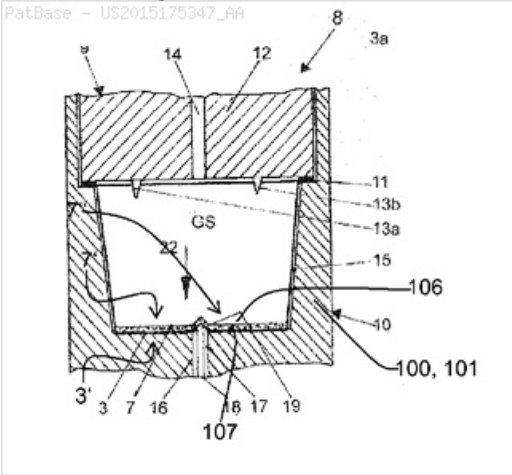
Abstract: The invention relates to a portion capsule for producing a beverage, comprising a capsule body, which has a capsule bottom and a lid, wherein a cavity for accommodating a powdery or liquid beverage Substrate is formed between the capsule bottom and the lid and wherein a filter element is arranged in the cavity. The invention further relates to a method for producing a portion capsule and the use of the portion capsule to produce a beverage.

Classifications:

International (IPC 8-9): A23C9/15 A23F3/16 A23F3/18 A23F5/24 A23F5/26 A23G1/56 A23L2/38 A47J31/06 A47J31/36 B65B25/00 B65B29/02 B65B47/04 B65B7/28 B65D B65D65/02 B65D85/72 B65D85/804 (Advanced/Invention); B65D65/46 (Advanced/Non-invention); B65D85/00 B65D85/804 (Core/Invention); B65D (Subclass/Invention)

CPC: B65D85/804 B65B29/022 A23F3/18 A23F5/262 B65D65/466 B65D85/8043 A23C9/1508 B65D85/8046 A23G1/56 A23V2002/00 A47J31/0642 A47J31/0673 A47J31/369 A47J31/3695 B65B7/2842 B65B25/001 B65B29/02 B65B47/04 B65D65/02

US: 1/1 426/115 426/431 426/433 426/435 53/454 99/295



Family:

Publication number	Publication date	Application number	Application date
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AU2019204741 AA	20190718	AU20190204741	20190702
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EP3210911 A1	20170830	EP20170160005	20130618
EP3210911 B1	20190925	EP20170160005	20130618
EP3597566 A1	20200122	EP20190197541	20130618
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HK1209394 B	20180215	HK20150110111	20151015
HK1251530 A1	20190201	HK20180102831	20180227
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JP2015527099 T2	20150917	JP20150517721T	20130618
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MK7624 T1	20180131	MK20170000358T	20170517
MX2014015654 A1	20150320	MX20140015654	20130618
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SG11201408446U A1	20150330	SG20141108446	20130618
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US2015175347 AA	20150625	US20130409225	20130618
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WO13189923 A1	20131227	WO2013EP62610	20130618
ZA201409527 A	20160831	ZA20140009527	20130618
ZA201509294 A	20171129	ZA20150009294	20130618

Priority:

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CN201380032324	20130618	WO2013EP62610	20130618	US20140409225	20141218
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US20190398701	20190430	AU20190204741	20190702		

Probable Assignee: K FEE SYSTEM GMBH

Assignee(s): (std): K FEE SYSTEM GMBH ; K FEE SYSTEMS GMBH ; K FEE ZYUSTEM GMBKH

Assignee(s): K FEE SYSTEM GMBHSENEFELDER STR. 4451469BERGISCH GLADBACHDE ; EMPL GUNTER ; EMPL GUNTHER

Inventor(s): (std): EMPL GUENTER ; GUENTER EMPL ; EMPL GNTER ; EMPL GYUNTER ; EMPL GUNTHER ; EMPL GUNTER

Inventor(s): EMPL GUNTERDE

Agent(s): COLLISON AND CO; FETHERSTONHAUGH AND CO; KUTZENBERGER WOLFF AND PARTNER
PATENTANWALTSPARTNERSCHAFT MBB; WOLFF FELIX; LEHMANN MARIA ISABEL; EAGLE IP LTD;
IPWELL INT INTELLECTUAL PROPERTY CO LTD; MAULITTA PRAMULASARI; I P CONSULTING; REINHOLD
COHN AND PARTNERS; EVROMARKPAT; DREW AND NAPIER LLC; TOLGA CAYLAK; MCNEES WALLACE
AND NURICK LLC; DOBRUSIN LAW FIRM PC

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

3) Family number: 34680148 (ES1063019Y)

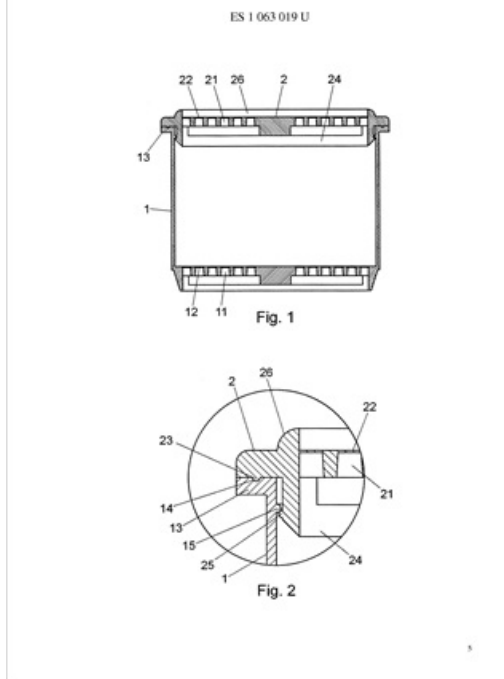
© PatBase

Title: CAPSULA PARA PRODUCTO MOLIDO

Abstract: Source: ES1063019U [ES] 1. Capsula para producto molido, del tipo de las que comprenden una cuerpo cilindrico hueco (1) de alojamiento del producto molido, presentando este cuerpo (1) un anillo superior (13) con una entalla circular frontal (14), y una tapa (2) de cierre superior de dicho cuerpo inferior (1) por encaje en dicho anillo (13) por un saliente inferior frontal (23) y un tramo tubular (24) ligeramente prolongado, caracterizada porque la tapa (2) y el cuerpo (1) unos orificios (11, 21) presentan unos orificios (11, 21) preformados y cerrados por un extremo mediante una fina lamina de material (12, 22) definida en la propia inyeccion del material de conformacion de la tapa (2) y el cuerpo (2), siendo dichas laminas (12, 22) aptas para la conservacion estanca del producto molido contenido en su interior hasta el momento de realizacion de la infusion en la que las laminas de material (12, 22) se rompen por la presion del agua permitiendo la circulacion por dichos orificios (11, 21); y porque la tapa (2) presenta en su parte superior una junta (26) conformada por un resalte circundante de contorno lateral exterior aproximadamente redondeado para acoplarse en la boveda de la ducha de agua de la maquina preparadora de infusiones. **Machine translation:** 1. Capsule for ground product, of the type comprising a hollow cylindrical body (1) for housing the ground product, presenting this body (1) An upper ring (13) with a circular front notch (14), and a lid (2) Upper closure of said lower body (1) by engagement in said ring (13) by a lower projecting front (23) and a tubular section (24) slightly prolonged, wherein the lid (2) and the body (1) holes (11, 21) have holes (11, 21) preformed and closed at one end by a thin sheet of material (12, 22) defined in the own material injection forming the lid (2) and the body (2), being said sheets (12, 22) suitable For the conservation tight milled product contained therein until the moment of performing infusion in which the sheet of material (12, 22) are broken by the water pressure allowing flow through these holes (11, 21); and in that the cover (2) has at its top a joint (26) formed by a surrounding outer side projection contour approximately rounded dome to engage the shower water preparer machine infusions.

Classifications:

International (IPC 8-9): A47J31/02 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
ES1063019 UA	20060816	ES20060001237U	20060530
ES1063019 Y	20061201	ES20060001237U	20060530
ES1063019 YA	20061201	ES20060001237U	20060530

Priority:

ES20060001237U 20060530

Probable Assignee:

BELLOT PARRA JORGE

Assignee(s): (std):

BELLOT PARRA JORGE

Inventor(s): (std):

BELLOT PARRA JORGE

4) Family number: 52733207 (US2015045206A)

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Title: ZEOLITE NANOSHEET MEMBRANE

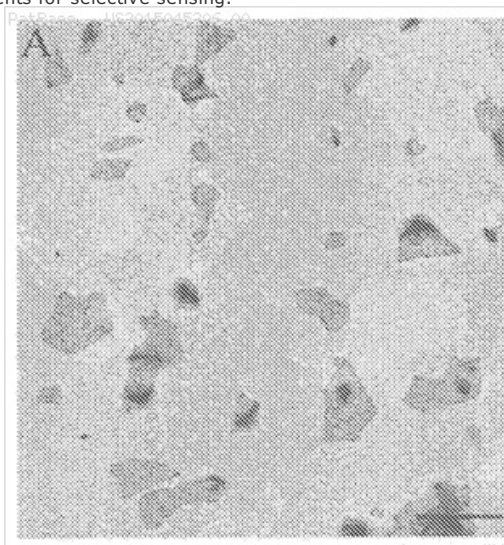
Abstract: Oxide materials, thin films, coatings, and methods of preparing the same are disclosed herein. In certain embodiments the oxide material can have an MWW type framework or an MFI type framework. In one embodiment, the method includes: providing a suspension of an exfoliated layered oxide material in a solvent; and filtering the suspension through a porous support to provide a film of the oxide material, optionally directly on the porous support. Secondary grown films of the oxide material and methods of preparing the same are also provided. Thin zeolite films are attractive for a wide range of applications including molecular sieve membranes and catalytic membrane reactors, permeation barriers, low dielectric constant materials for microelectronics and sensor components for selective sensing.

Classifications:

International (IPC 8-9): B01D53/22 B01D67/00 B01D69/12 B01D71/02 B01D71/06 B01J31/26 B01J37/02 B82B3/00 C01B39/02 C01B39/46 C08K3/34 C30B29/16 (Advanced/Invention); B82Y30/00 B82Y40/00 (Advanced/Non-invention)

CPC: B01J31/26 C30B29/16 C08K3/34 B01J37/0215 B01J2231/00 B01D53/228 B01D67/0046 B01D67/0051 B01D67/0076 B01D69/12 B01D71/024 B01D71/027 B01D71/028 B01D2323/08 B01D2325/04 B82Y30/00 B82Y40/00 C01B39/026

US: 423/700 427/243 502/60 502/62 524/450

**Family:**

Publication number	Publication date	Application number	Application date
US2015045206 AA	20150212	US20120130589	20120703
US10005077 BB	20180626	US20120130589	20120703
WO13006623 A1	20130110	WO2012US45411	20120703

Priority:

US20110504214P 20110703 US20120130589 20120703 WO2012US45411 20120703

Probable Assignee: UNIV MINNESOTA

Assignee(s): (std): AGRAWAL KUMAR VAROON ; TSAPATSIS MICHAEL ; UNIV MINNESOTA

Assignee(s): NATIONAL SCIENCE FOUNDATION ; OF MINNESOTA UNIV ; REGENTS OF THE UNIVERSITY OF MINNESOTA

Inventor(s): (std): AGRAWAL KUMAR VAROON ; TSAPATSIS MICHAEL

Agent(s): MUETING RAASCH AND GEBHARDT PA; ALBIN LOREN D

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

5) Family number: 73616216 (CO20180008737A)

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Title: DISPOSITIVO DE PORTAFILTRO ULTRASONICO PARA LA EXTRACCION DE CAFE Ultrasonic-HOLDER DEVICE FOR THE EXTRACTION OF COFFEE (Machine translation)

Abstract: Source: CO20180008737A [ES] Un dispositivo para extraccion de cafe con formato de portafiltro para maquinas espresso, con generacion de frecuencias ultrasonicas especificas, que aporta una nueva variable con la cual las diferentes diluciones de las sustancias que se encuentran en el cafe puedan ser favorecidas de manera controlable y permita extraer elementos que forman parte de la composicion del grano, pero que no se hacen presentes en la dilucion mediante el solo uso de las variables convencionales, caracterizado por el desarrollo y control preciso de dicha implementacion, una comoda interfaz de usuario que puede vincularse con otros dispositivos de tipo terminal, y la universalidad del sistema, pudiendo ser usado en cualquier maquina expreso ya existente. **Machine translation:** A device for removing the filter holder for espresso coffee machines, generating format with ultrasonic frequencies, which brings a new variable with which the different dilutions of the substances that are found in the coffee can be favored in a controllable manner and to remove elements forming part of the composition of the grain, but that are not present in the dilution by the use of conventional variables, characterized by development and precise control of such implementation, a comfortable user interface that can be linked to other devices, and the universality of the system terminal type, can be used on any machine that already exists.

Classifications:

International (IPC 8-9): A23F5/24 B01J19/10 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
CO20180008737 A1	20181228	CO20180008737	20180821

Priority:

CO20180008737 20180821

Probable Assignee: ARDUH ALEJANDRO DAVID

Assignee(s): (std): ARDUH ALEJANDRO DAVID ; YEPES GIRALDO HECTOR FABIAN

Inventor(s): (std): ARDUH ALEJANDRO DAVID ; YEPES GIRALDO HECTOR FABIAN

6) Family number: 34286226 (EP1762162B1)

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Title: COFFEE DOSING DEVICE AND GROUND COFFEE DISTRIBUTING ASSEMBLY WITH DOSING DEVICE DOSEUR DE CAFE, ET ENSEMBLE DE DISTRIBUTION DE CAFE BROYE COMPRENANT AU MOINS

Abstract: The dispenser (2), comprising a body (4) that holds a given volume of ground coffee and an optional packer, incorporates a quick lock mechanism that engages with a matching mechanism on an additional component such as a support or mill (100) to which the dispenser can be temporarily attached. The mill has a receiver (136) for coffee beans, a grinder and an outlet (138) connecting with an inlet (8) on the dispenser.

Classifications:

International (IPC 8-9): A47J31/40 A47J42/40

A47J42/48 (Advanced/Invention);

A47J42/48 (Advanced/Non-invention);

A47J31/40 A47J42/00 (Core/Invention);

A47J42/00 (Core/Non-invention)

CPC: A47J31/0663 A47J31/404

European: A47J31/40E

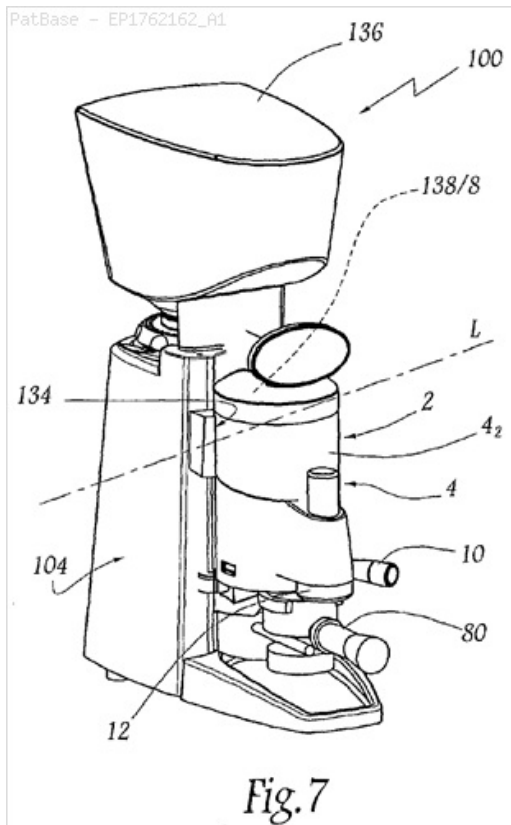


Fig. 7

Family:

Publication number	Publication date	Application number	Application date
DE602006045961 D1	20150827	DE200660045961T	20060908
EP1762162 A1	20070314	EP20060356109	20060908
EP1762162 B1	20150715	EP20060356109	20060908
FR2890550 A1	20070316	FR20050009221	20050909
FR2890550 B1	20071130	FR20050009221	20050909

Priority:

FR20050009221 20050909 FR20050509221 20050909 EP20060356109 20060908

Probable Assignee: SANTOS SOC PAR ACTIONS SIMPLIF

Assignee(s): (std): SANTOS ; SANTOS SOC PAR ACTIONS SIMPLIF

Assignee(s): SANTOS SOC PAR ACTIONS SIMPLIFIEE ; SANTOS SOCIETE PAR ACTIONS SIMPLIFIEE

Inventor(s): (std): FOUQUET NICOLAS

Inventor(s): NICOLAS FOUQUET

Agent(s): GRAND GUILLAUME; CABINET LAVOIX LYON

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

7) Family number: 32271252 (US2007186784A)

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Title: BEVERAGE EXTRACTION ASSEMBLY FOR EXTRACTING A BEVERAGE FROM A PARTICULATE SUBSTANCE CONTAINED IN A CARTRIDGE

Abstract: A cartridge for extracting a beverage from a particulate substance contained therein by means of water under pressure, the cartridge comprising: a main body comprising a cup portion and a lid portion, the cup portion comprising a base, a sidewall and a rim opposed to the base, the lid portion being fixedly attached to the rim of the cup portion so as to define an internal volume of the cartridge, the internal volume of the cartridge housing the particulate substance comprised within filtering means for retaining the particulate substance and for percolating fluid substances therethrough, the lid portion comprising a lid port defining a first passage for percolation fluid substances, the base of the cup portion comprising a cup port defining a second passage for percolation fluid substances, wherein the base comprises a plurality of ridges directly formed thereon and protruding towards the internal volume of the cartridge, so as to support the filtering means and the particulate substance and to define a fine canalization between the filtering means and the cup port.

Classifications:

International (IPC 8-9): A23F3/18 A23F5/26 A47J A47J31/00 A47J31/06 A47J31/24 A47J31/30 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/46 B65B29/02 B65D B65D81/00 B65D83/00 B65D85/00 B65D85/804 (Advanced/Invention); A23F3/00 A23F5/24 A47J31/00 A47J31/06 A47J31/24 A47J31/40 A47J31/44 B65D81/00 B65D83/00 B65D85/804 (Core/Invention); A47J B65D (Subclass/Invention)

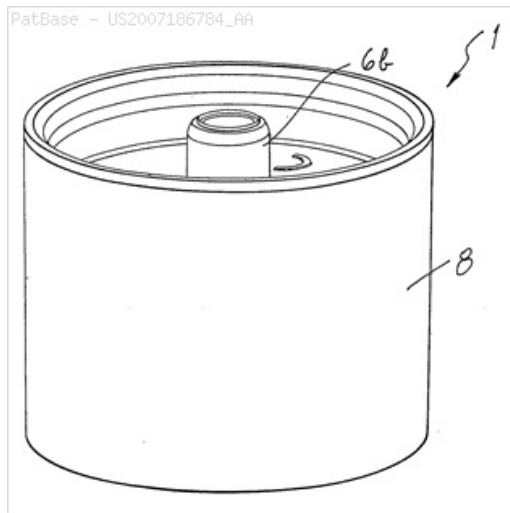
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CPC: A47J31/369 A47J31/0668 A47J31/3695 B65D85/8043

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

A47J31/36B4D2 A47J31/40B A47J31/40H B65D85/804B

US: 206/530 426/123 426/77 426/77 426/82 99/295 99/295P 99/299 99/302.00R 99/302R 99/323 99/323

**Family:**

Publication number	Publication date	Application number	Application date
AR048338 AA	20060419	AR2005P101180	20050323
AR048511 AA	20060503	AR2005P101179	20050323
AR048512 AA	20060503	AR2005P101181	20050323
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AT368409 E	20070815	AT20040007294T	20040326
AT368410 E	20070815	AT20040007295T	20040326
AT368626 E	20070815	AT20040007296T	20040326
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CN101618786 B	20110406	CN200910139443	20050322
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EP1579791 B1	20070801	EP20040007294	20040326
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HK1140172 B	20120525	HK20100106213	20100623
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IN02538KN2006 A	20070601	IN2006KN02538	20060905

IN92568KN2013 A	20140807	IN2006KN02558	20130809
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RU2376922 C2	20091227	RU20060137719	20050322
TW200536502 A	20051116	TW20050109374	20050325
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TWI360403 B	20120321	TW20050109374	20050325
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US2010043646 AA	20100225	US20090617341	20091112
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US8464631 BB	20130618	US20090617303	20091112
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WO05092160 A1	20051006	WO2005EP03037	20050322

Priority:

EP20040007293	20040326	EP20040007294	20040326	EP20040007295	20040326
EP20040007296	20040326	CA20052560841	20050322	CA20052829795	20050322
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US20060590286	20060822	US20090617257	20091112	US20090617303	20091112
US20090617341	20091112	CA20132560841	20131021	CA20132560841	20131022

Probable Assignee: ILLY CAFFE SPA

Assignee(s): (std): DELLAPIETRA BRUNO ; ILLIKAFFE S P A ; ILLY CAFFE S P A ; ILLYCAFFE SPA ; LIVERANI FURIO S ; ILLYCAFFE AND PRIME S P A ; ILLYCAFFE IT SPA ; ILLYCAFFES P A ; SUGGI LIVERANI FURIO ; MASTROPASQUA LUCA ; VAN EEDEN FRANS

Assignee(s): ILLYCAFFE AND 8242 SPA ; ILLYCAFFE SPAVIA FLAVIA 110I-34137TRIESTEIT ; ILLYCAFFE 8242 S P A ; ILLYCAFFE AND 39 SPA ; ILLYCAFFE S P A ; ILLY CAFFE SPA ; ILLYCAFFE ; ILLIKAFFE SPA

Inventor(s): (std): SUGGI LIVERANI FURIO ; MASTROPASQUA LUCA ; VAN EEDEN FRANS ; DELLAPIETRA BRUNO ; LIVERANI FURIO SUGGI ; EEDEN FRANS VAN ; BRUNO EEDEN FRANS MASTROPASQUA ; VAN EHEND FRANS ; DELLAP ETRA BRUNO ; MASTROPASKUA LUCA ; SUDZHI LIVERANI FURIO ; FRANS EEDEN VAN ; LIVERANI FURIO S ; BRUNO DELLAPIETRA ; LUCA MASTROPASQUA ; FURIO SUGGI LIVERANI

Inventor(s): DELLAPIETRA BRUNO ; VAN EEDEN FRANS MASTROPASQUA LUCA SUGGI... ; MASTROPASQUA LUCAIT ; VAN EEDEN FRANSIT ; DELLAPIETRA BRUNOIT ; SUGGI LIVERANI FURIOIT ; LIVERANI FURIO ; FLURIO SUGGI LIVERANI ; VAN EEDEN FRANS MASTROPASQUA LUCA SUGGI LIVERANI F ; FRANS VAN EEDEN

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; MODIANO MICHAELA NADIA; SHANGHAI PATENT AND TRADEMARK OFFICE; CANTOR COLBURN LLP

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

8) Family number: 61319520 (EP2962606B1)

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Title: ELECTRIC COFFEE MACHINE WITH OPTIONAL USE OF AN EXTERNAL COFFEE MILL AND ASSEMBLY COMPRISING SUCH A COFFEE MACHINE AND AT LEAST ONE EXTERNAL MILL MACHINE A CAFE ELECTRIQUE POUVANT UTILISER SELECTIVEMENT UN MOULIN A CAFE EXTERNE ET AGENCEMENT D'UNE TELLE MACHINE A CAFE ET D'AU MOINS UN MOULIN A CAFE EXTERNE

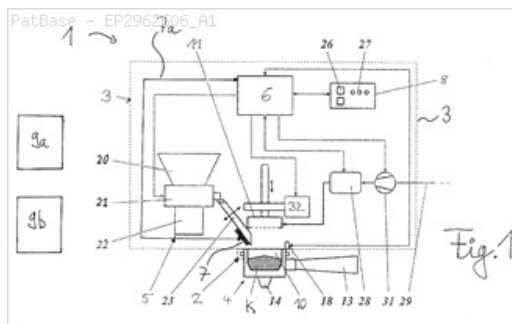
Abstract: Source: EP2962606A1 [DE] Elektrisch betriebene Kaffeemaschine (1) mit mindestens einem abnehmbaren, fuer den Bruehvorgang in eine Halterung (2) am Gehaeuse (3) der Kaffeemaschine (1) einsetzbaren Siebtraeger (4), einer in das Gehaeuse (3) integrierten Kaffeemuehle (5), deren Mahlgut in den eingesetzten Siebtraeger (4) einbringbar ist, und einer die Kaffeemuehle (5) und den Bruehvorgang steuernden Steuereinrichtung (6), dadurch gekennzeichnet, dass bei eingesetztem Siebtraeger (4) mittels der Steuereinrichtung (6) wahlweise entweder ein Bruehvorgang ohne vorherige Betaetigung der Kaffeemuehle (5) oder ein Bruehvorgang mit vorheriger Betaetigung der Kaffeemuehle (5) durchfuehrbar ist. **Machine translation:** Electrically operated coffee machine (1) with at least one removable, for the brewing process into a holder (2) on the housing (3) of the coffee machine (1) usable filter holder (4), one in the housing (3) integrated Kaffeemuehle (5) whose grinding material is in the used filter holder (4) can be introduced, and a coffee mill (5) and the brewing process controlling controller (6), characterized in that at portafilter inserted (4) by means of the control device (6) selectively either a brewing without pressing the Kaffeemuehle (5) or a brewing process with the prior operation of Kaffeemuehle (5) is durchfuehrbar.

Classifications:

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

A47J31/42 (Advanced/Invention)

CPC: A47J31/0663 A47J31/3671 A47J31/42



Family:

Publication number	Publication date	Application number	Application date
DE102014213078 A1	20160107	DE201410213078	20140704
DE102014213078 B4	20160616	DE201410213078	20140704
DE502015001210 D1	20170727	DE201550001210T	20150624
EP2962606 A1	20160106	EP20150173541	20150624
EP2962606 B1	20170614	EP20150173541	20150624

Priority:

DE201410213078 20140704 EP20150173541 20150624

Probable Assignee: WMF GROUP GMBH

Assignee(s): (std): WMF GROUP GMBH

Inventor(s): (std): GOELTENBOTH FRANK

Agent(s): PFENNING MEINIG AND PARTNER GBR; PFENNING MEINIG AND PARTNER MBB

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

9) Family number: 2512546 (CH636311A)

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Title: PROCESS FOR THE PRODUCTION OF COFFEE PACKS FOR USE IN PRESSURE-BREWING SYSTEMS AS WELL AS COFFEE PACKS PRODUCED BY THIS PROCESS AND THEIR USE

Abstract: The process is intended to simplify the production of coffee packs. For this purpose, ground roast coffee is first compacted to form tablets (1). The tablets (1) are thereafter enclosed in packs (4) which consist of filter material. As a result of mechanical action, for example by means of rollers (5) or ultrasonic waves, the tablets in the closed packs (4) are returned to powder form, the volume occupied by the coffee increasing. The tablet size and pack volume are selected in such a way that the coffee in powder form essentially fills the entire pack volume. The packs obtained are deformable and therefore fit different internal shapes of filter baskets in pressure-brewing systems, for example Espresso machines. They have a high degree of filling.

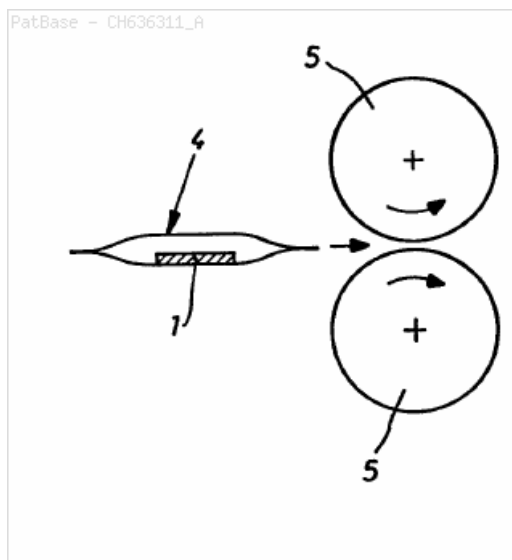
Classifications:

International (IPC 8-9): A23F5/10 B65B29/02 (Advanced/Invention); A23F5/00 B65B29/00 (Core/Invention)

International (IPC 1-7): A23F5/12 B65B29/02

CPC: A23F5/10 B65B29/028

European: A23F5/10 B65B29/02



Family:

Publication number	Publication date	Application number	Application date
CH636311 A	19830531	CH19790002521	19790316

Priority:

CH19790002521 19790316

Probable Assignee: JACOBS CAFE AG

Assignee(s): (std): JACOBS CAFE AG

Inventor(s): ERFINDER HAT AUF NENNUNG VERZICHTET

10) Family number: 17721617 (DE29518737U1)

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Title: EspressoSieb Reinigungsvorrichtung

Abstract: Source: DE29518737U1 [DE] (Claim 1) 1. EspressoSieb-Reinigungsvorrichtung umfassend einen Schwingungsgeber (8), der in Schwingungen im Schall- oderUltraschallbereich versetzt werden kann, und eine Schwingungsuebertragungsvorrichtung (9, 6), die dieSchwingungen des Schwingungsgebers (8) auf eine EspressoSieb-Halterung (2) uebertragen kann, in der dasEspressoSieb (1) gehalten werden kann, so dass durch Betaetigung des Schwingungsgebers (8) in dem EspressoSieb(1) befindliches Kaffeemehl durch Schwingen des EspressoSiebes (1) aus diesem entfernt werden kann.

Machine translation: (Claim 1) 1 EspressoSieb cleaning apparatus comprising a vibration sensor (8), in vibrations in the sonic or ultrasonic range can be set, and a Schwingungsuebertragungsvorrichtung (9, 6), which can dieSchwingungen transmitting the vibration sensor (8) to a EspressoSieb Holder (2), in the dasEspressoSieb (1) can be retained, so that by operating the vibration sensor (8) in the EspressoSieb (1) are wings of the espresso coffee powder by sieve (1) can be removed from this.

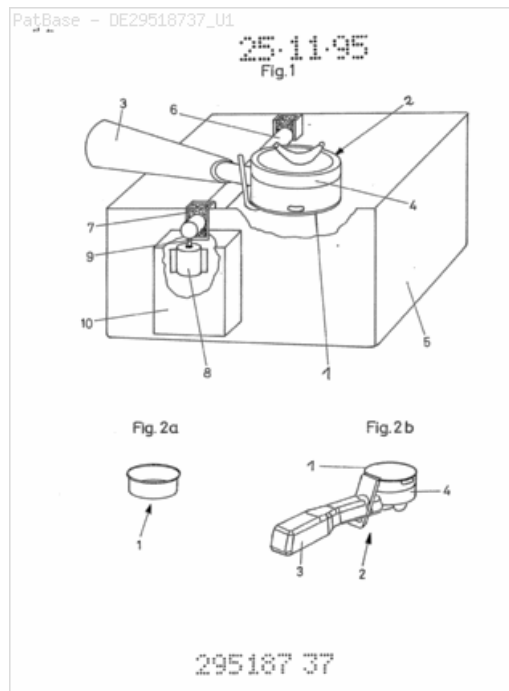
Classifications:

International (IPC 8-9): A47J31/60 B08B7/02 (Advanced/Invention); A47J31/44 B08B7/02 (Core/Invention)

International (IPC 1-7): A47J31/60 B08B3/02 B08B3/12 B08B5/00

CPC: A47J31/60 B08B7/028

European: A47J31/60 B08B7/02S2



Family:

Publication number	Publication date	Application number	Application date
DE29518737 U1	19960229	DE19952018737U	19951125

Priority:

DE19952018737U 19951125

Probable Assignee: BRAUKMANN BERND

Assignee(s): (std): BRAUKMANN BERND ; BRAUKMANN PETER

Assignee(s): BRAUKMANN PETER 59757 ARNSBERG DE ; BRAUKMANN BERND 59757 ARNSBERG DE

11) Family number: 34324753 (US2007062375A)

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Title: INTEGRATED CARTRIDGE CONTAINING A SUBSTANCE FOR EXTRACTING A BEVERAGE

Abstract: A cartridge for extracting a beverage from an edible substance contained therein by means of a liquid under pressure, the cartridge comprising a main body having a cup portion and a lid portion. The base of said cup portion comprises a cup port defining a passage for the extracted beverage and protruding from the base outwardly with respect to the internal volume of the cartridge. Valve means are fixedly mounted on the internal surface of the cup port and are resiliently openable under pressure of the extracted beverage during a beverage extraction phase. The diameter of the open end of said cup port that is opposite to said cup base is sized so as to allow insertion of the valve means within the cup port. A safety cap is mounted on the external surface of the cup port and partially closes the external open end thereof.

Classifications:

International (IPC 8-9): A47J31/00 A47J31/34 A47J31/40 A47J31/44 B65D85/80 B65D85/804 G07F13/06 (Advanced/Invention);

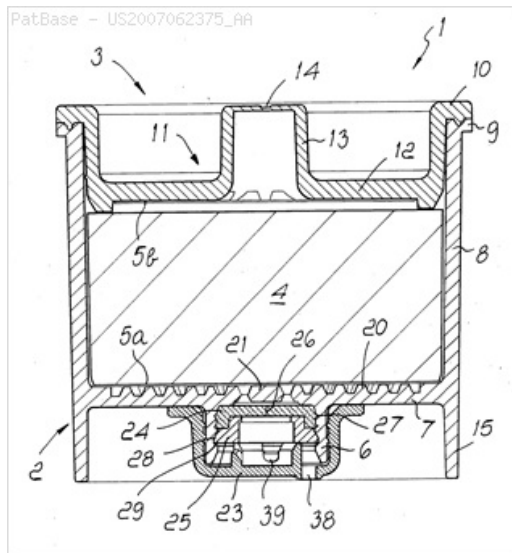
A47J31/00 A47J31/24 A47J31/44 B65D85/80 B65D85/804 G07F13/06 (Core/Invention)

International (IPC 1-7): B65D85/804

CPC: B65D85/8043

European: A47J31/40B A47J31/40H B65D85/804B

US: 426/115 426/77 426/80 99/279 99/279P 99/295 99/323

**Family:**

Publication number	Publication date	Application number	Application date
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CA2622933 C	20140819	CA20062622933	20060904
CN101287662 A	20081015	CN200680034271	20060904
CN101287662 B	20111005	CN200680034271	20060904
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RU2397934 C2	20100827	RU20080115440	20060904
TW200722019 A	20070616	TW20060134993	20060921
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US2007062375 AA	20070322	US20060506008	20060817
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WO07039032 A2	20070412	WO2006EP08607	20060904
WO07039032 A3	20070531	WO2006EP08607	20060904

Priority:

EP20050020525 20050921 WO2006EP08607 20060904

Probable Assignee: ILLY CAFFE SPA

Assignee(s): (std): DELLAPIETRA BRUNO ; ILLIKAFFE S P A ; SMOTLAK SASA ; LEVSTIK MIRAN ; MASTROPASQUA LUCA ; SUGGI LIVERANI FURIO ; LIVERANI FURIO S ; ILLYCAFFE SPA

Assignee(s): ILLYCAFFE SPA VIA FLAVIA 1101-34137 TRIESTE IT ; ILLIKAFFE SPA ; ILLY CAFFE SPA ; ILLYCAFFE S P A

Inventor(s): (std): LIVERANI FURIO SUGGI ; SMOTLAK SASA ; MASTROPASQUA LUCA ; SUGGI LIVERANI FURIO ; DELLAPIETRA BRUNO ; LEVSTIK MIRAN ; LIVERANI FURIO S ; LUCA MASTROPASQUA ; FURIO SUGGI LIVERANI ; MIRAN LEVSTIK ; SASA SMOTLAK ; BRUNO DELLAPIETRA ; DELLAPIETRA BRUNO ; MASTROPASQUA LUCA ; SMOTLAK SASA ; SUDZHI LIVERANI FURIO ; LEVSTIK MIRAN

Inventor(s): DELLAPIETRA BRUNO ; LIVERANI FURIO ; SUGGI LIVERANI FURIO IT ; SMOTLAK SASA IT ; LEVSTIK MIRAN IT ; DELLAPIETRA BRUNO IT ; MASTROPASQUA LUCA IT ; MIRAN LEVSTIK

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; ALAGEM MODIANO LARA S ET AL; CANTOR COLBURN LLP

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

12) Family number: 50795800 (US2012070543A)

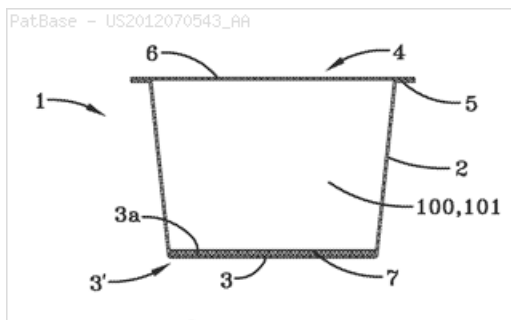
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Title: PORTION CAPSULE AND METHOD FOR PRODUCING A BEVERAGE USING A PORTION CAPSULE

Abstract: A portion capsule for producing a beverage is proposed, having a capsule body with a capsule base and a filling side, with a cavity for accommodating a pulverulent or liquid beverage base being formed between the capsule base and the filling side, with a filter element being arranged between the beverage base and the capsule base, and with the filter element having a non-woven which is arranged in the region of the capsule base.

Classifications:**International (IPC 8-9):** A21C15/04 A23C9/00 A23F3/18 A23F5/26

A23G1/56 A23L2/38 A47G19/14 A47G19/16 A47J A47J31/06
A47J31/34 A47J31/36 A47J31/40 B01D35/02 B23P19/00 B31B50/00
B65B B65B1/04 B65B29/02 B65B3/02 B65B7/28 B65D B65D65/46
B65D77/00 B65D81/34 B65D85/804 (Advanced/Invention);
B65B29/02 (Advanced/Non-invention);
B65B29/00 B65D85/00 B65D85/804 (Core/Invention);
A47J B65D (Subclass/Invention)
CPC: A47J31/3623 A47J31/3628 A47J31/3695 B65D85/8046
B65D85/804 A23F5/26 B65B29/02 B65B29/022 B65D65/466
B65D85/8043 Y10T29/49826
European: B65D85/804B
US: 1/1 29/428 29/428S 426/106 426/106S 426/115 426/122
426/122S 426/123 426/123S 426/425 426/431 426/431S 426/433
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53/435 53/435S 53/452 53/452S 99/323 99/323S



Family:

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Priority:

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AU20110304736	20110920	CA20112753230	20110920	CA20112965041	20110920
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WO2011EP04703	20110920	EP20140178389	20110920	JP20130528557T	20110920
EP20150197280	20110920	JP20160225685	20110920	AU20140203212	20140613
EP20140178389	20140724	US20140552794	20141125	US20140553088	20141125
EP20150197280	20151201	AU20160204473	20160629	JP20160225685	20161121
CA20172753230	20170503	AU20180203503	20180517	JP20180195903	20181017

Probable Assignee: KRUGER GMBH AND CO KG

Assignee(s): (std): K FEE SYSTEM GMBH ; K FEE ZJUSTEM GMBKH ; K FEE ZYUSTEM GMBKH ; KRUEGER GMBH AND CO KG ; MAHLICH GOTTHARD

Assignee(s): MAHLICH GOTTHARD CH ; KRUGER GMBH AND CO KG

Inventor(s): (std): MAHLICH GOTTHARD CH ; MAHLICH GOTTHARD G ; GOTTHARD MACHLICH ; MACHLICH GOTTHARD ; GOTTHARD MAHLICH ; GOTTKHARD MALIKH ; MAHLICH GOTTHARD

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; FETHERSTONHAUGH AND CO; SMART AND BIGGAR IP AGENCY CO; KUTZENBERGER WOLFF AND PARTNER
PATENTANWALTSPARTNERSCHAFT MBG; WOLFF FELIX; KUTZENBERGER WOLFF AND PARTNER;
LAZZANO JESUS; SAEZ ANA; LEHMANN MARIA ISABEL; EAGLE IP LTD; DREW AND NAPIER LLC; TOLGA
CAYLAK; MCNEES WALLACE AND NURICK LLC; WOLFF FELIX ET AL

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