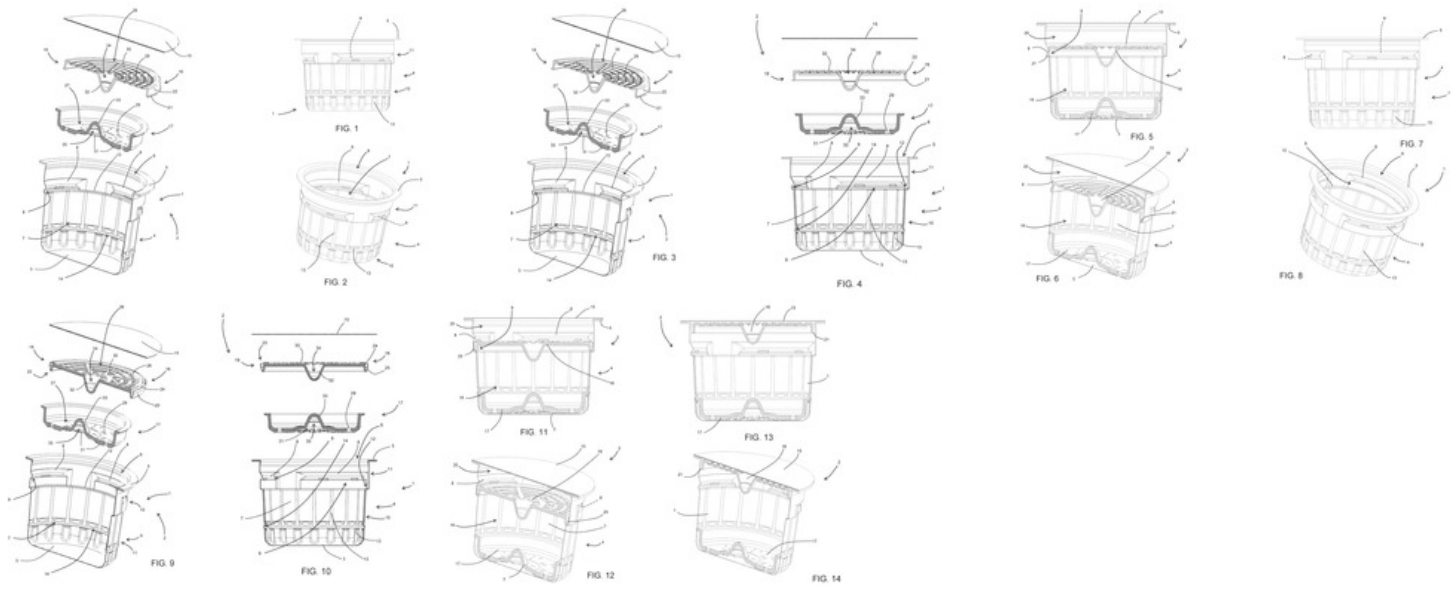
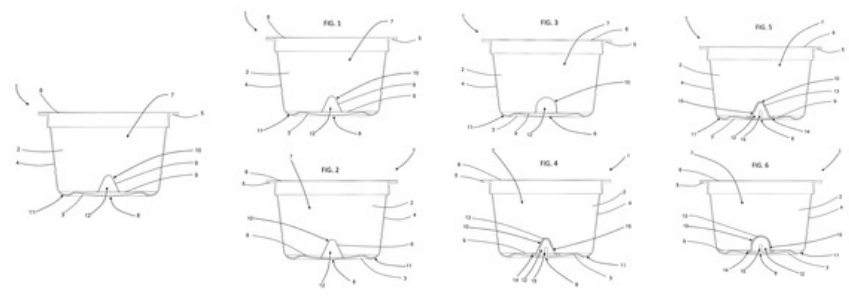
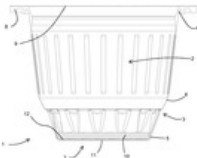
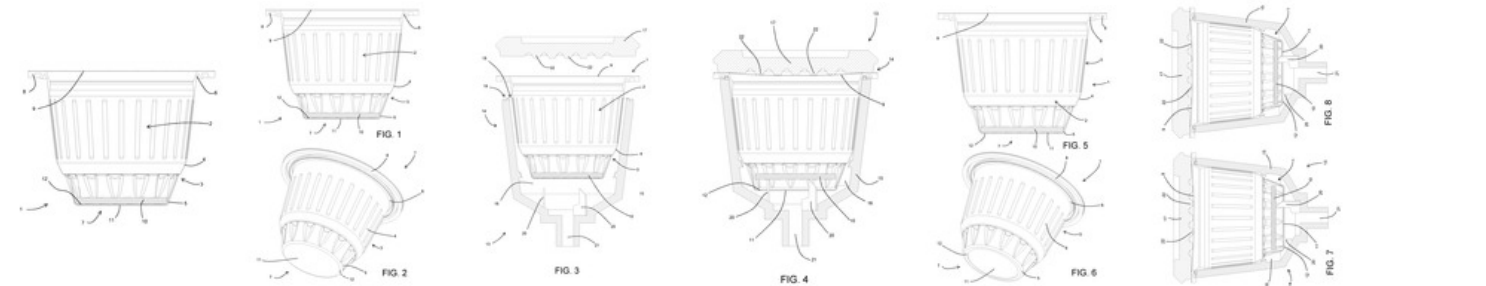


13175 results for (WO201687981)/PN - Collection: FAMPAT

#	  Title	Publication number	1st app. date	Applicant/Assignee	1st publ. date	Publ. date	
1.	Containment body for making a capsule for making beverages and method for making capsules with different quantities of powdered food substance using a single type of containment body	CA2967210	2015-11-20	CAFFITA SYSTEM CAFFITALY SYSTEM* KAKITARY S SYSTEMS P A CAFFITALY SYSTEM S P A	2016-06-09	2016-06-09	
A containment body for making a cup-shaped capsule for making beverages comprising a lateral wall (4) that, in a zone of it closer to an upper edge (5) than to a bottom wall (3), is provided with one or more retaining elements (8) projecting towards the central axis in a plane substantially perpendicular to the central axis, the one or more retaining elements (8) forming between them and the bottom wall (3) an undercut seat (9); and a method for making capsules comprising different quantities of powdered food substance using said containment body (1) and positioning an upper filtering element (16) either coupled to the undercut seat (9) or positioned close to a lid (15).							
							
2.	Capsule for making beverages	ITVR20120121	2012-06-08	CAFFITA SYSTEM CAFFITALY SYSTEM* COFFEE STAR KAKITARY S SYSTEMS P A CAFFITALY SYSTEM S P A	2013-12-09	2013-12-09	
A capsule (1) containing a powdered food substance which can be extracted by passing water through it to make a beverage comprises a body (2) comprising a lower wall (3) and a lateral wall (4), and a lid (6) fixed to the body (2). The lid (6) and a central portion (8) of the lower wall (3) are pierceable respectively to allow the injection of water into and the extraction of a beverage from the capsule (1). Between the lid (6) and the lower wall (3), and in a position close to the latter, there is a filter (9), permeable to the beverage, which retains the powdered food substance, the filter being at least mainly made of a layered sheet of flexible material fixed to the body (2), and separating the powdered food substance at least from the central portion (8). The sheet of flexible material is shaped to form, substantially at the central portion (8), at least one projection (10) towards the lid (6). At the projection (10) the filter (9) is distanced from the central portion (8) and there is a compartment (12), located between the filter (9) and the central portion (8), where a piercing element can be inserted following penetration through the central portion (8), without damaging the filter (9).							
							

3.	Capsule and system for making beverages	ITVR20130276	2013-12-11	CAFFITA SYSTEM CAFFITALY SYSTEM* KAFFITALI SISTEM KAKITARY S SYSTEMS P A KAKITARY S SYSTEMS P A CAFFITALY SYSTEM S P A	2015-06-12	2015-06-12
A capsule for making beverages, containing a powdered food substance which can be extracted by passing hot water through it, the capsule (1) comprising a cup-shaped containment body (3) which inside it forms a chamber (2) for housing (16) the powdered food substance, and which comprises a bottom portion (7) through which, in use, hot water can be fed into the capsule (1), and a lateral wall (4) connected to the bottom portion (7) and forming an access opening for accessing the chamber (2), and a closing element (9) fixed to the lateral wall (4) at the access opening for closing it, and through which, in use, the beverage can come out of the chamber (2). The capsule (1) also comprises a filter element (10) which is permeable to water and positioned inside the chamber (2) between the powdered food substance and the bottom portion (7), the filter element (10) resting on the bottom portion (7) and being free to move away from the latter towards the inside of the chamber (2) except for the resistance applied by the powdered food substance. The invention also relates to a system for making beverages which comprises the capsule (1).						

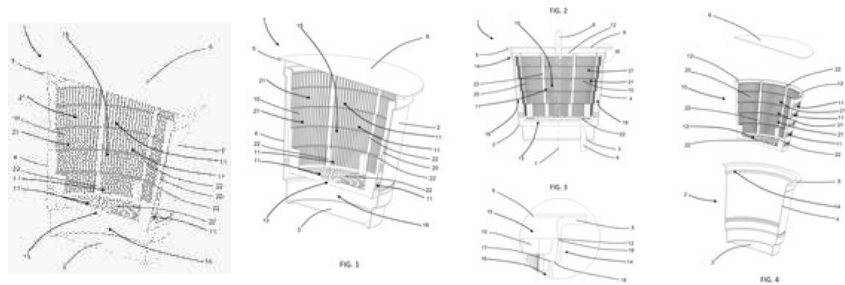
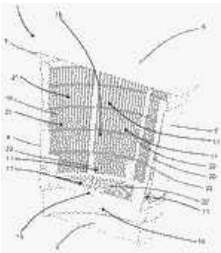


4.	Portion capsule with a three-ply nonwoven fabric	CA2988817	2016-06-09	K FEE SYSTEM*	2016-12-15	2016-12-15
The invention relates to a portion capsule for producing a beverage, having a capsule body with a capsule base and a filling side. A cavity for receiving a pulverulent or liquid beverage substrate is formed between the capsule base and the filling side, and a filter element is arranged between the beverage substrate and the capsule base. The filter element comprises an open-pore felt and/or nonwoven fabric, and the felt and/or nonwoven fabric has a first average pore size in a first region facing the beverage substrate and a second average pore size in a second region facing the capsule base, said first pore size being smaller than the second pore size.						



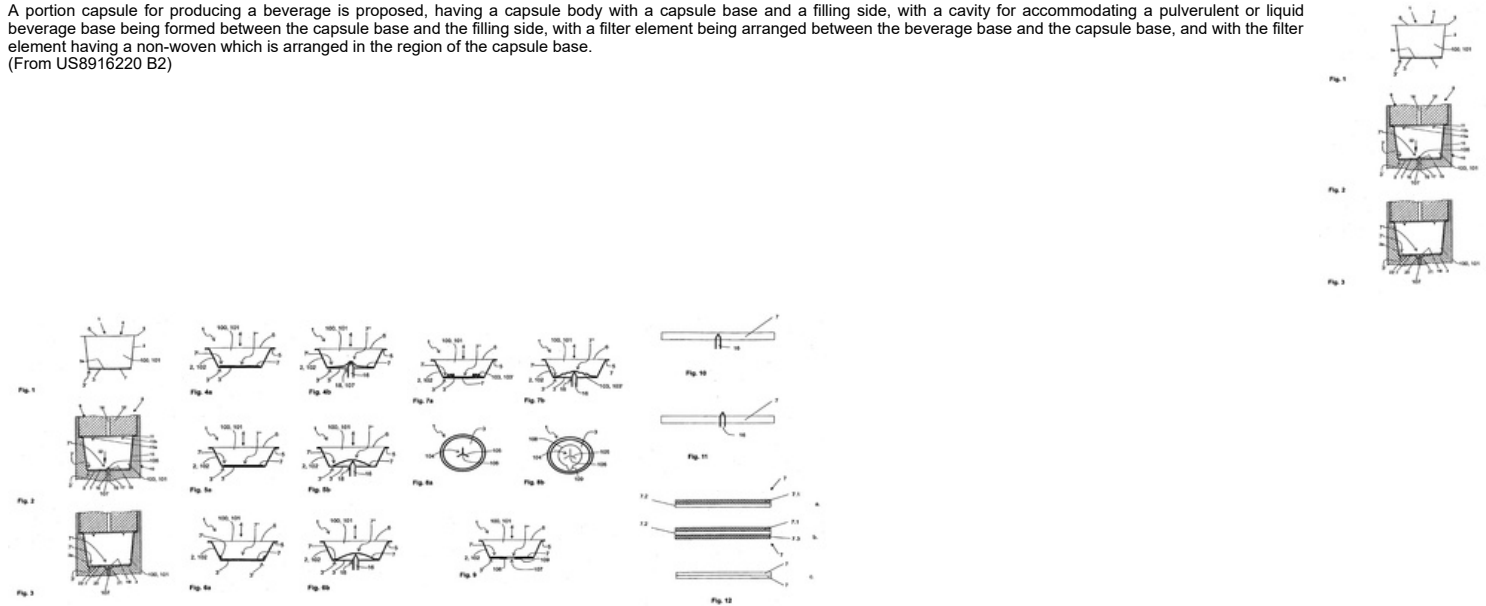
5.	Capsule for making beverages	ITVR20120133	2012-07-03	CAFFITA SYSTEM CAFFITALY SYSTEM* CAFFITALY SYSTEMS CARRIE FORSYTH NAANTALI SYSTEM EAS PI COFFEE STAR KAFFITALI SISTEM KAKITARY S SYSTEMS P A CAFFITALY SYSTEM S P A	2014-01-04	2014-01-04
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Capsule (1) for making beverages comprising a body (2) having a lower wall (3), a side wall (4), and a lid (6) fixed to an edge (5) of the side wall. Between the lid and the inner surface of the body is a chamber in which a filter (10) is positioned coupled at a coupling portion (14) located on the side wall close to the edge. The filter separates the chamber into a first compartment (15) containing the substance, delimited at least between the filter and the lid, and into a second compartment (16) partly positioned between the side wall and the filter, delimited between the filter, the lower wall and the portion of side wall located between the lower wall and the coupling portion. The second compartment comprises openings (11) at the part of it positioned between the filter and the side wall.



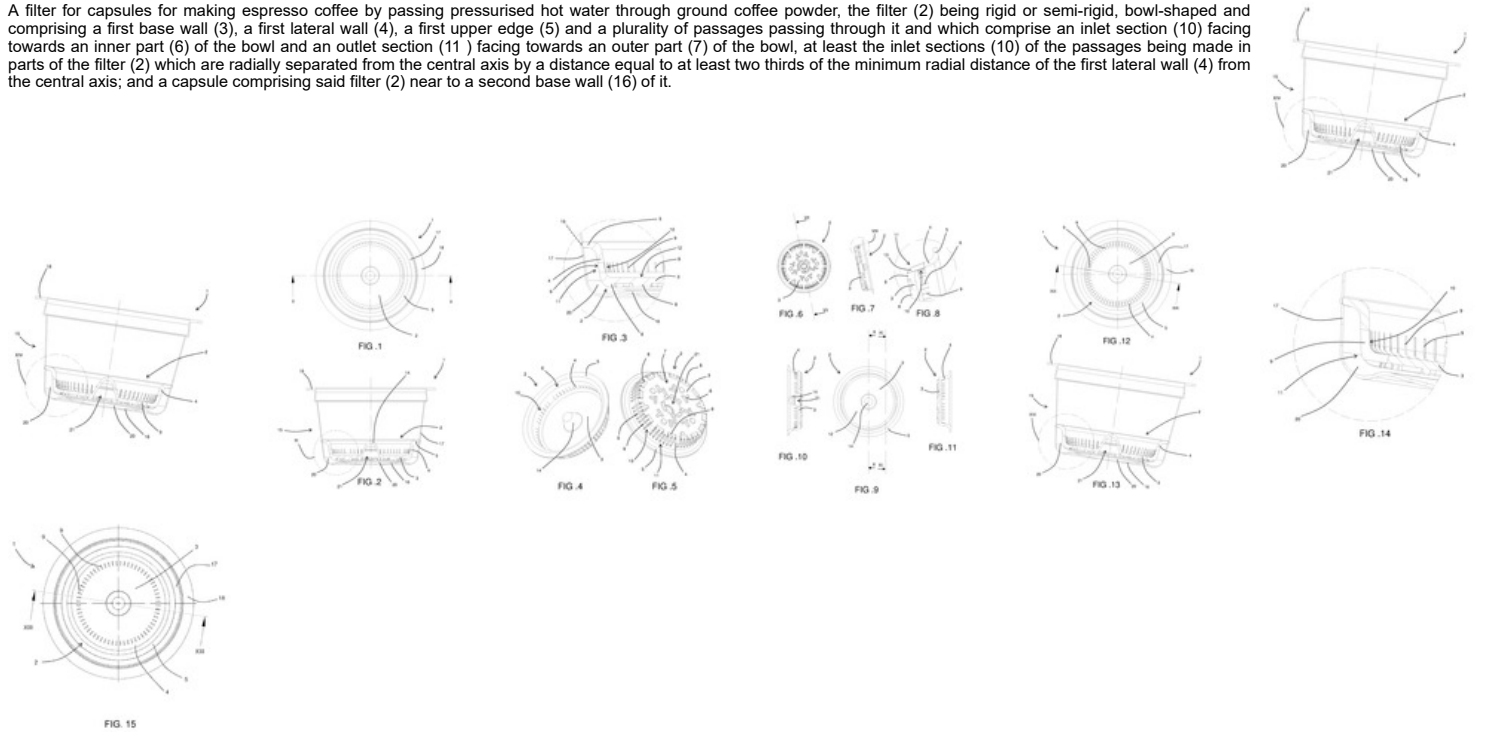
6.	Caspule and method for making a beverage using such a caspule	CA2965041	2011-09-20	CAR FE SYSTEMS GESELSCHAFT MITT BESHRENKTEL HUFTUNG CAR PHOSPHATE SYSTEM GESELLSCHAFT MITT BESHURENKUTERU K FEE SYSTEM* K FEE ZJYSTEM K FEE ZYUSTEM K FEED SYSTEMS KRÜGER	2012-03-22	2012-03-22
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A portion caspule for producing a beverage is proposed, having a caspule body with a caspule base and a filling side, with a cavity for accommodating a pulverulent or liquid beverage base being formed between the caspule base and the filling side, with a filter element being arranged between the beverage base and the caspule base, and with the filter element having a non-woven which is arranged in the region of the caspule base.
(From US8916220 B2)



7.	Filter for capsules for making espresso coffee and capsule for making espresso coffee	CA2955610	2015-07-29	CAFFITALY SYSTEM*	2016-02-04	2016-02-04
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A filter for capsules for making espresso coffee by passing pressurised hot water through ground coffee powder, the filter (2) being rigid or semi-rigid, bowl-shaped and comprising a first base wall (3), a first lateral wall (4), a first upper edge (5) and a plurality of passages passing through it and which comprise an inlet section (10) facing towards an inner part (6) of the bowl and an outlet section (11) facing towards an outer part (7) of the bowl, at least the inlet sections (10) of the passages being made in parts of the filter (2) which are radially separated from the central axis by a distance equal to at least two thirds of the minimum radial distance of the first lateral wall (4) from the central axis; and a capsule comprising said filter (2) near to a second base wall (16) of it.

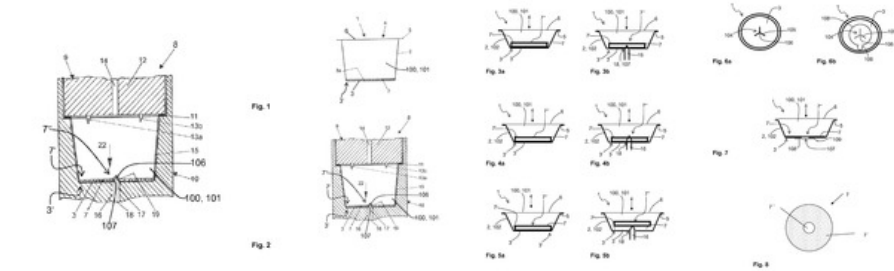
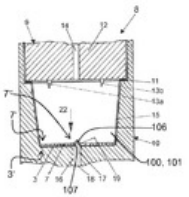


8.	Capsule for making beverages	WO2018055511	2017-09-19	CAFFITALY SYSTEM*	2018-03-29	2018-03-29
A capsule for making beverages, containing a powdered food substance (2) and comprising a cup-shaped containment body (3) that has a bottom portion (5) equipped with a dispensing hole (9), a lower filtering element (14) mounted in the containment chamber (6) and positioned between the powdered food substance (2) and the bottom portion (5), and a sheet of flexible material (19), impermeable to oxygen, mounted in the containment body (3) between the powdered food substance (2) and the dispensing hole (9), and comprising a first layer (20) made of plastic material and a second layer (21) made of aluminium, which are coupled to each other, wherein the first layer (20) comprises one or more through cuts (25), each surrounded by a dispensing zone (26), the first layer (20) being locally detached from the second layer (21) at each dispensing zone (26).						

9.	Capsule for making beverages	ITVR20130027	2013-02-04	CAFFITALY SYSTEM* COFFEE STAR KAKITARY S SYSTEMS P A CAFFITALY SYSTEM S P A	2014-08-05	2014-08-05
A capsule for making beverages comprising at least one powdered food substance which can be extracted by passing water through it to make a beverage, comprising a cup-shaped outer body (2) with a lower wall (3) and a first side wall (4), a lid (6), a filtering body (9) comprising a basket-shaped rigid or semi-rigid first skeleton (10) comprising a second side wall (11) and a bottom portion (12); the rigid or semi-rigid first skeleton (10) comprising openings (13) made at least through a part of the second side wall (11) which is distanced from the first side wall; the filtering body (9) also comprising at least one layer (26) of flexible filtering material applied to the rigid or semi-rigid skeleton (10) for in use intercepting the beverage which comes out of at least several openings (13) in the filtering body (9) and flows towards the lower wall (3) and filtering said beverage.						

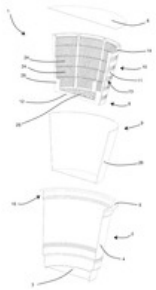
10.	Portion capsule and method for producing a beverage by means of a portion capsule	DE102012223291	2012-12-14	K FEE SYSTEM* K FEE ZYUSTEM K FEE SYSTEMS	2014-06-18	2014-06-18
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The invention relates to a portion capsule for producing a beverage, comprising a capsule body (2), which has a capsule bottom (3) and a filling side (4), wherein a cavity (100) for accommodating a powdery or liquid beverage substrate (101) is formed between the capsule bottom (3) and the filling side (4), wherein a filter element (7) is arranged between the beverage substrate (101) and the capsule bottom (3).

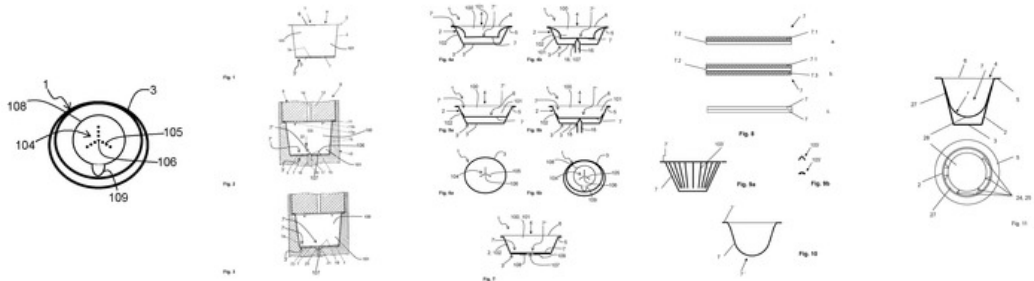
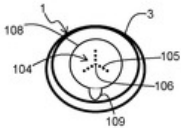


11.	Capsule for the preparation of beverages	US20140220189	2013-02-04	CAFFITALY SYSTEM* CAFFITALY SYSTEMS*	2014-08-07	2014-08-07
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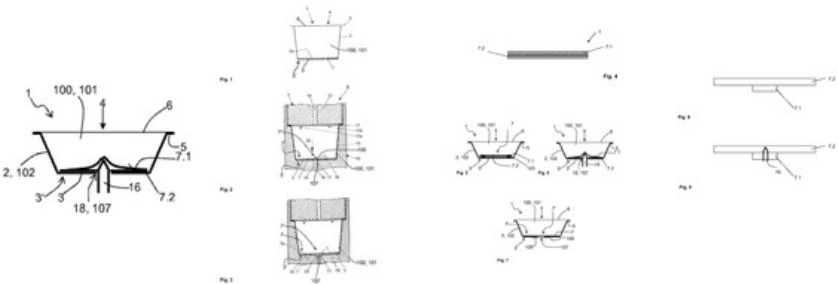
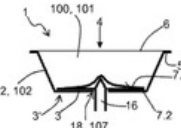
A capsule for making beverages comprising at least one powdered food substance which can be extracted using water to make a beverage, comprises a cup-shaped outer body (2) with a lower wall (3) and a first side wall (4), a lid (6), a filtering body (9) comprising a first basket-shaped rigid or semi-rigid skeleton (10) with a second side wall (11) and a bottom portion (12); the first rigid or semi-rigid skeleton (10) comprises openings (13) made at least through a part of the second side wall (11) which is distanced from the first side wall; the filtering body (9) also comprising at least one layer (26) of flexible filtering material applied to the rigid or semi-rigid skeleton (10) for in use intercepting the beverage which comes out of at least some openings (13) of the filtering body (9) and flows towards the bottom wall (3) and for filtering said beverage.



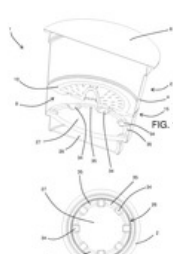
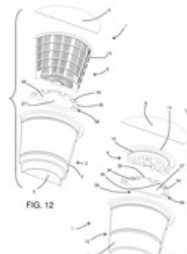
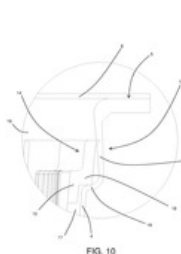
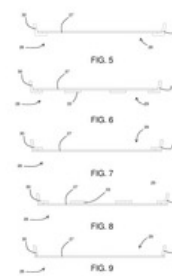
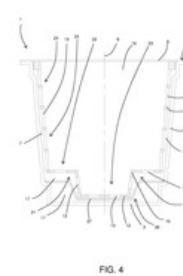
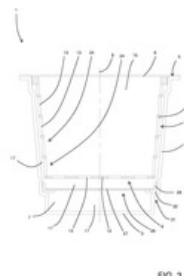
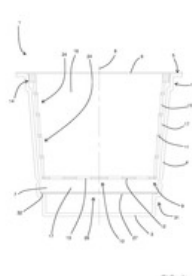
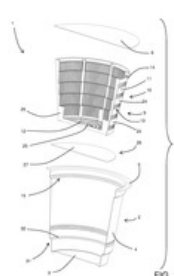
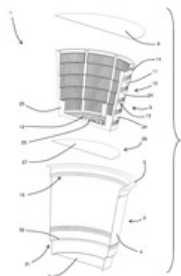
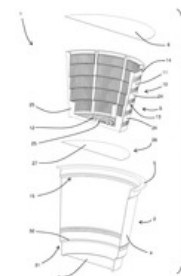
The invention relates to a portion capsule for producing a beverage, having a capsule body, which has a capsule bottom and a lid, wherein a cavity for accommodating a powdery or liquid beverage Substrate is formed between the capsule bottom and the lid and wherein a filter element is arranged in the cavity. The invention further relates to a method for producing a portion capsule and the use of the portion capsule to produce a beverage.
(From US9394101 B2)



Disclosed is a single-serve capsule for preparing a beverage, comprising a capsule member that includes a capsule bottom and a filling end, a cavity being formed between the capsule bottom and the filling end for holding a powdery or liquid beverage substrate. A filter element is placed between the beverage substrate and the capsule bottom, said filter element comprising a nonwoven fabric which is placed in the region of the capsule bottom.



A capsule for making beverages comprising at least one powdered food substance which can be extracted using water to make a beverage, comprising a cup-shaped outer body (2) with a lower wall (3) and a first side wall (4), a lid (6), a filtering body (9) comprising a first rigid or semi-rigid skeleton (10); the first rigid or semi-rigid skeleton (10) comprising openings (13); the capsule also comprising an additional filtering element (26) positioned in the chamber (7) between the filtering body (9) and the lower wall (3) for in use intercepting the beverage which comes out of the filtering body (9) and flows towards the lower wall (3), the additional filtering element (26) comprising at least one layer (27) of flexible filtering material and being coupled to the inner part of the outer body (2).



15. Capsule for the preparation of beverages US20140220190

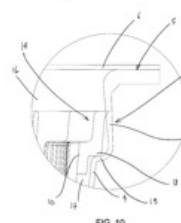
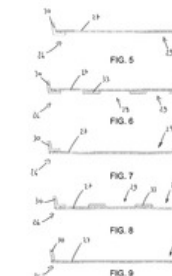
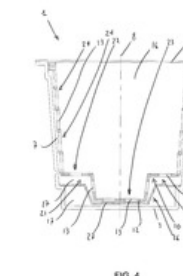
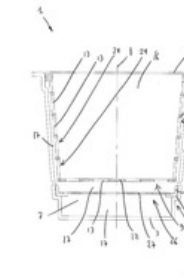
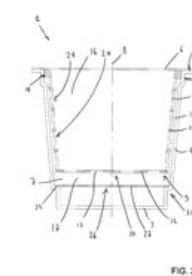
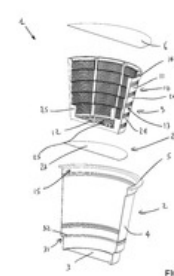
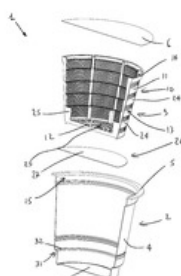
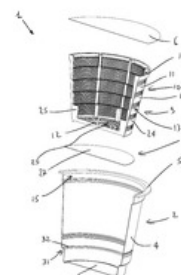
2013-02-04

CAFFITALY SYSTEM*
CAFFITALY SYSTEMS*

2014-08-07

2014-08-07

A capsule for making beverages comprising at least one powdered food substance which can be extracted using water to make a beverage, comprises a cup-shaped outer body (2) with a lower wall (3) and a first side wall (4), a lid (6), a filtering body (9) comprising a first basket-shaped rigid or semi-rigid skeleton (10) with a second side wall (11) and a bottom portion (12); the first rigid or semi-rigid skeleton (10) comprises openings (13) made at least through a part of the second side wall (11) which is distanced from the first side wall; the capsule also comprises an additional filtering element (26) positioned in the chamber (7) between the filtering body (9) and the lower wall (3) for in use intercepting the beverage which comes out of the filtering body (9) and flows towards the bottom wall (3), the additional filtering element (26) comprising at least one layer (27) of flexible filtering material and being coupled to the inner part of the outer body (2).



16.

Portion capsule for production of a beverage

US20120070543

2011-03-02

K FEE SYSTEM*
KRÜGER

2012-03-22

2012-03-22

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.

17.

Single portion cartridge

EP1792850

2005-12-02

TCHIBO*

2007-06-06

2007-06-06

The capsule has a filter device (6) arranged between a beverage substance (9) e.g. coffee, and a capsule base (3). The filter device is held at a distance to the base in a central area of the base using a ring-shaped structure (16), where an outer area (20) and an inner area (21) are defined through the structure in an intermediate space between the filter device and the capsule base. The outer area is connected with the inner area through openings (22), where the openings are relatively smaller for formation of the cream.

18.

System for making beverages

ITVR20120093

2012-05-15

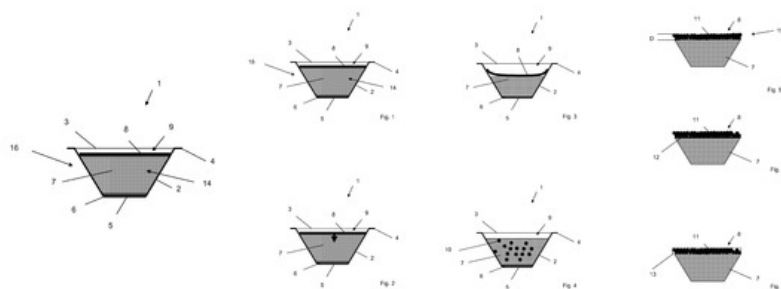
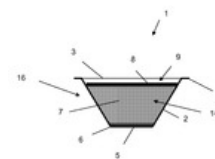
CAFFITA SYSTEM
CAFFITALY SYSTEM*
CAFFITALY SYSTEMS*
COFFEE STAR

2013-11-16

2013-11-16

A system (1) for making beverages comprises a capsule holder (11) and a capsule (2) containing a powdered food substance which can be extracted to make a beverage; the capsule (2) comprises a body (3) comprising a lower wall (4), a lateral wall (5), a lid (7) and a filter bag (9). The system (1) also comprises injection means (13) for injecting water into the capsule (2) through the lid (7) and collecting means (16) comprising a piercing element (17) for piercing the lower wall (4). The inside of the capsule (2), at the lower wall (4), comprises a protection element (20) for preventing contact between the piercing element (17) and the filter bag (9). The protection element (20) together with at least the lower wall (4) forms an annular chamber (21), extending around an axis of extension (8) and being in fluid communication with the filter bag (9), and forms a seat (33) facing towards the lid (7), in which a lower part (37) of the filter bag (9) is inserted, and which is surrounded by the annular chamber (21). The piercing element (17) is positioned off centre relative to the axis of extension (8), passes through the lower wall (4) at the annular chamber (21) and is partly inserted in said chamber.

The invention relates to a portion capsule for producing a beverage or a food, comprising a side wall and a bottom, which together define a volume in which a raw material is located, which is extracted, desorbed, and/or dissolved by means of a liquid in order to produce the beverage.
(From US2016060023 A1)



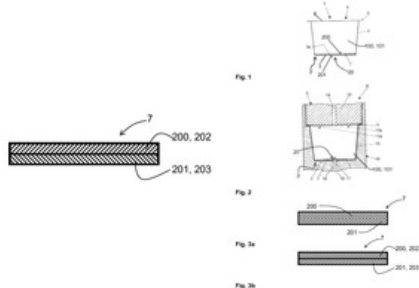
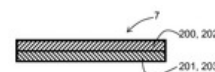
20. Portion capsule for producing a beverage CA2815948
with a portion capsule

2011-10-13

K FEE SYSTEM*
K FEE ZJUSTEM

2013-04-18	2013-04-18
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A portion capsule for producing a beverage, comprising a capsule body (2) with a capsule base (3) and a filling side (4) is proposed, wherein a hollow space (100) for the acceptance of a beverage substrate (101) in liquid or powder form is formed between the capsule base (3) and the filling side (4) and a filter element (7) is arranged between the beverage substrate (101) and the capsule base (3), wherein the filter element (7) comprises an open-pored felt and/or non-woven material, and wherein the felt and/or non-woven material has an average first pore size in a first region (200) facing the beverage substrate (101) and an average second pore size in a second region (201) facing the capsule base (3), the first pore size being smaller than the second pore size.



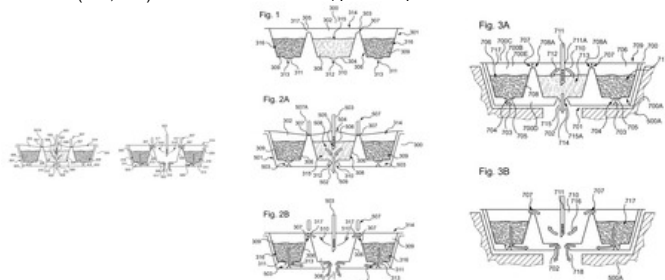
21. A capsule-based food preparation system CA2885805

2013-10-04

NESTEC*
NESTECH SOCIETE ANONYM

2014-04-17 2014-04-17

The present invention concerns a food preparation system producing a food product, comprising a food preparation machine (500) with a receptacle (501) for a food capsule (300) and fluid injecting means (503), and a food capsule (300) comprising a capsule body (301), a cavity (302), a first end (303), an opening (305) communicating with said cavity (302), a second end (304) comprising at least one outlet (310, 311) communicating with said cavity (302), an injection wall (314), and at least one partition (306) dividing said cavity (302) into chambers (308, 309) containing a respective quantity of an alimentary substance (315, 316) and having at least one outlet (310, 311) with an independently-operable closure means (312, 313) in said second end (304), characterized in that the injection means (503) injects a quantity of fluid (508, 512) into said capsule (300) through a single injection point (504), and a sealing means (507A) selectively blocks fluid communication between said chambers (308, 309) into said chambers (308, 309) of between 2 and 20 bar, preferably between 4 and 15 bar.



22. A capsule for food or beverage preparation

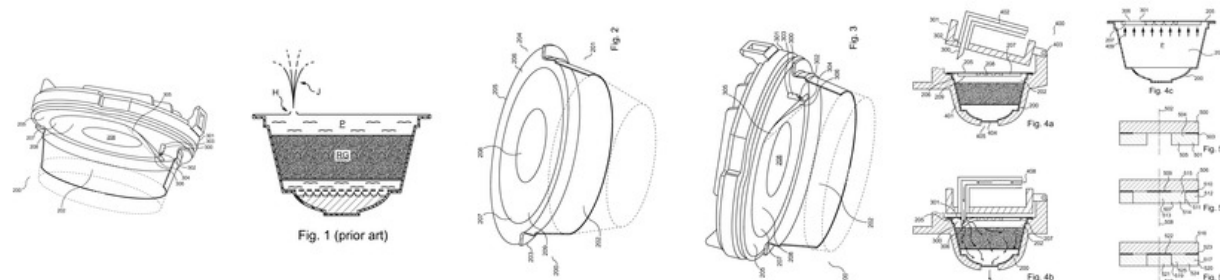
WO2014198586

2014-06-03

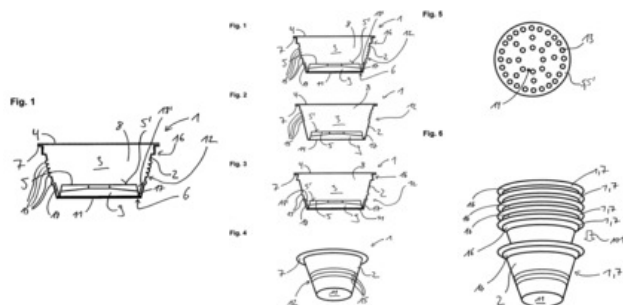
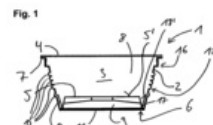
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2014-12-18	2014-12-18
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A food or beverage capsule (200), comprises: • a capsule body (201) comprising a cavity (202) and an open end (204) in communication with the cavity (202); • an injection wall (205) disposed upon the open end (204) so as to enclose the cavity (202), the injection wall (205) thereby comprising an interior side (206) facing the cavity (202); and • a quantity of a food or beverage ingredient disposed within the cavity (202). The capsule (200) further comprises a sealing membrane (207) fabricated from a flexible material and disposed upon the interior side (206) of the injection wall (205), the sealing membrane (207) being attached to the interior side (206) of the injection wall (205) over at least one fixed region (208) of the sealing membrane (207), at least one free region (209) of the sealing membrane (207) extending freely from an edge of said at least one fixed region (208).



The invention relates to a portion capsule for producing a beverage, comprising a substantially truncated cone-shaped or cylindrical base element (2), which has a cavity (3) for receiving a beverage raw material, and to a membrane (4) closing said cavity, wherein a wall region of the base element comprises a plurality of grooves (15).



24. Machines for using capsules for obtaining infusions such as espresso or beverages from water soluble products

ITBO20100216

RAPPARINI

2011-10-10

2011-10-10

The present invention relates to a machine (17) for using capsules for obtaining infusions, such as espresso, or beverages from water-soluble products, wherein the capsules are of the type comprising an internal out flow duct comprising an internal through hole for the outflow of the infusions or beverages from the capsule and an upper surface supporting a sealing element, the machine (17) comprising housing means for housing at least one capsule during the dispensing phase and injection means (11) for injecting water under pressure into the capsule so as to obtain an infusion or beverage flowing out from the capsule through the internal through hole of the capsule, wherein the injection means are adapted to inject water into the capsule through the sidewall (2) of the capsule.

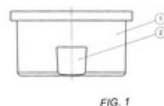
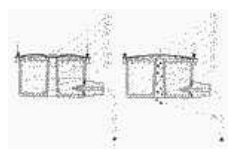
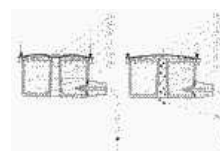


FIG. 1

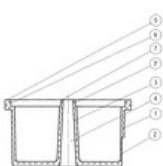


FIG. 2A

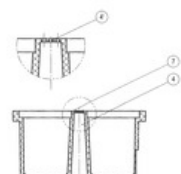


FIG. 2B

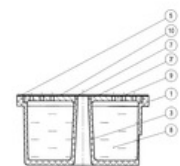


FIG. 3

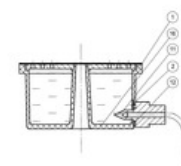


FIG. 4A

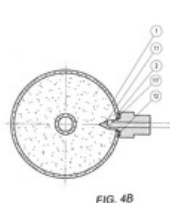


FIG. 4B

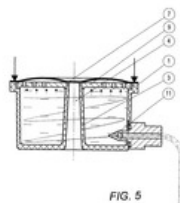


FIG. 5

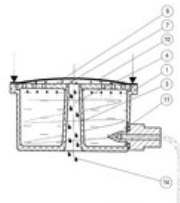


FIG. 6

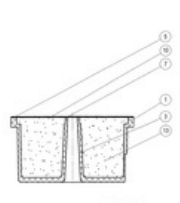


FIG. 7

25. Capsule for preparing a beverage with enhanced sealing means

WO2013068242

2012-10-26

NESTEC*

2013-05-16

2013-05-16

The present invention relates to a capsule (1) for containing beverage ingredients intended to produce a beverage in a beverage preparation device (20) upon liquid injection into the capsule and by rotating the capsule around its central axis in the device (20), the capsule (1) comprising: a side wall (2a), a bottom wall (2b) and a flange-like rim (2c), an upper wall (3) attached to the flange-like rim (2c) and/or the side wall (2b) of the capsule (1), the upper wall (3) comprising a central liquid inlet (4) and peripheral outlet apertures (5), wherein the upper wall (3) further comprises an outwardly protruding sealing member (6) which is arranged at an annular portion (3a) of the upper wall (3) between the central liquid inlet (4) and the peripheral outlet apertures (5), and which is designed to at least significantly hinder, preferably prevent liquid from flowing at the outside of the capsule (1) from the liquid inlet (4) to the outlet apertures (5) when the sealing member is engaged by the beverage preparation device (20) and, wherein the sealing member (6) is located radially distanced from the liquid inlet (4).

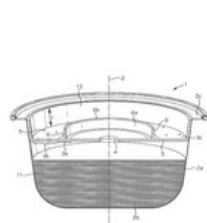
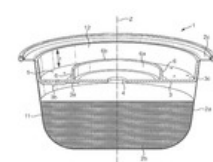


FIG. 1A

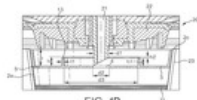


FIG. 1B

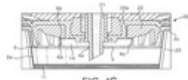


FIG. 1C



FIG. 2A

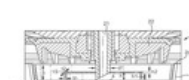


FIG. 2B

