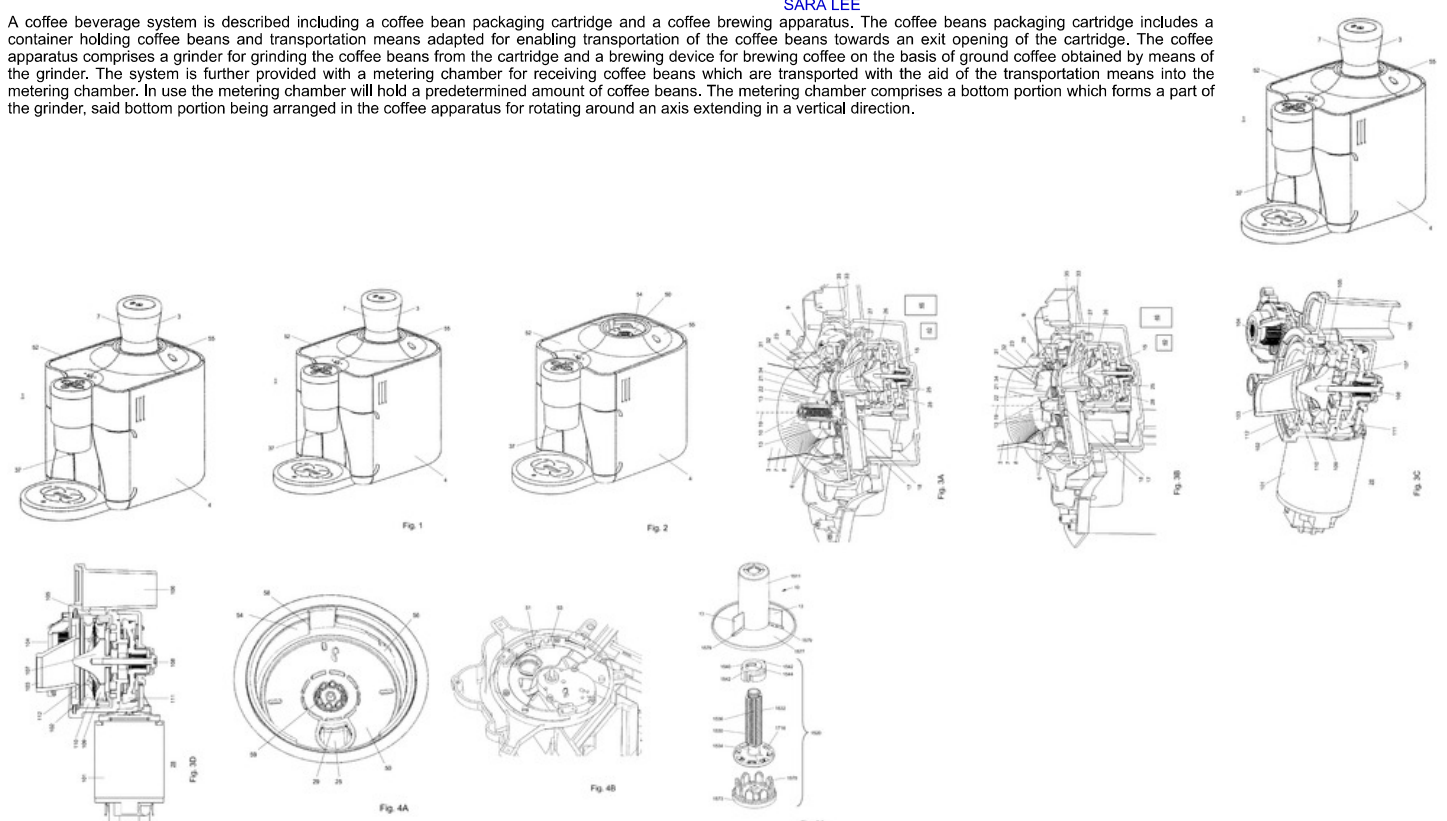
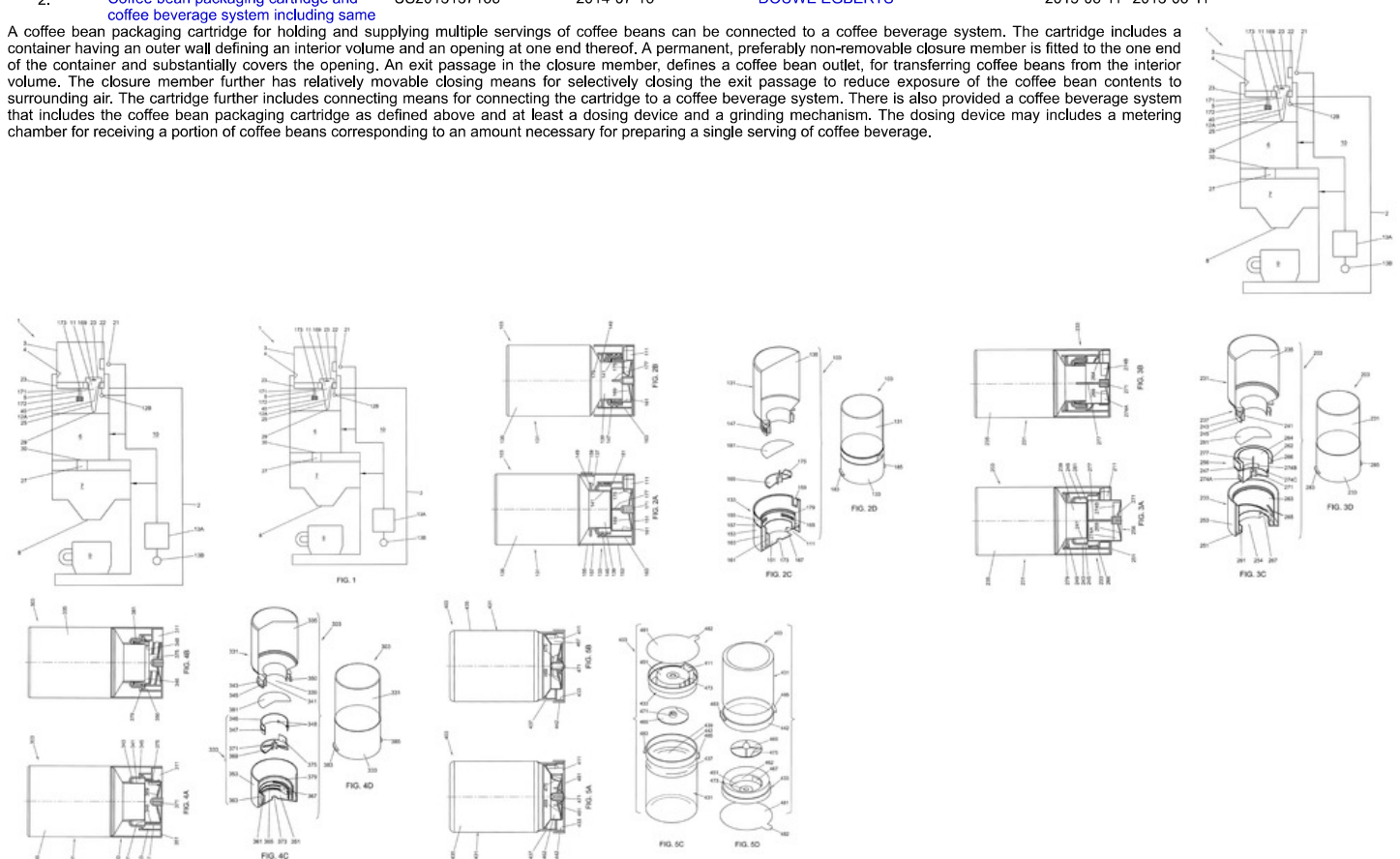
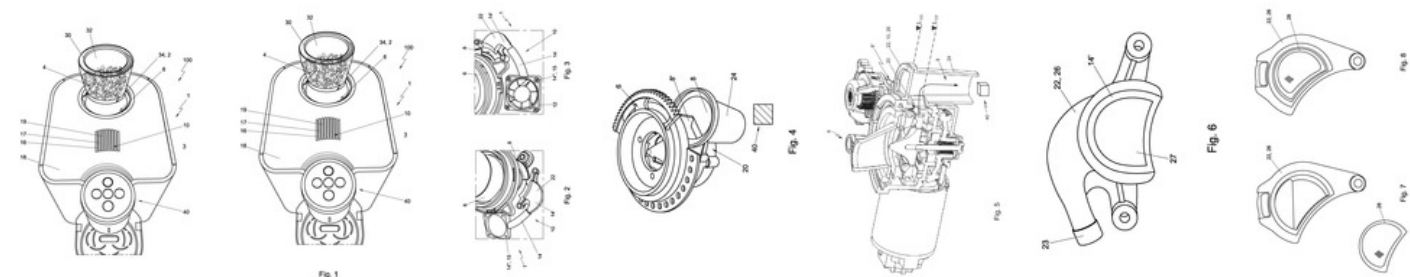
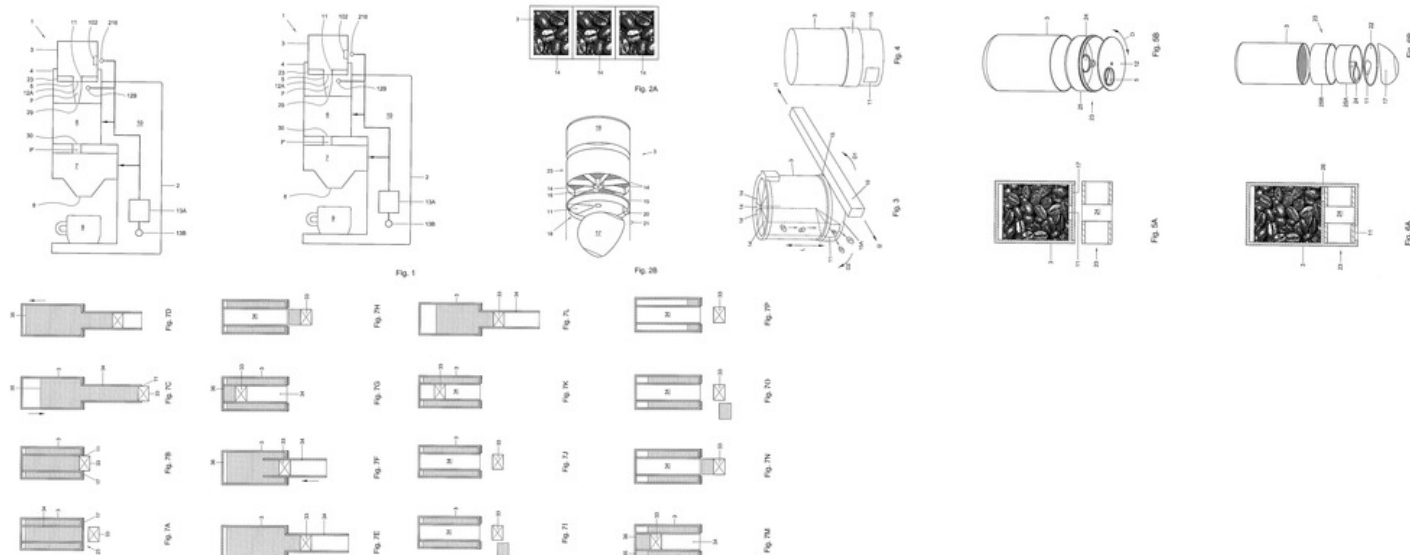
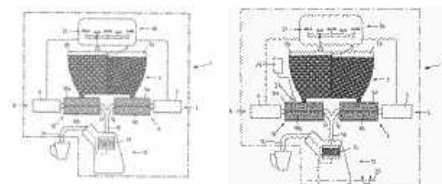


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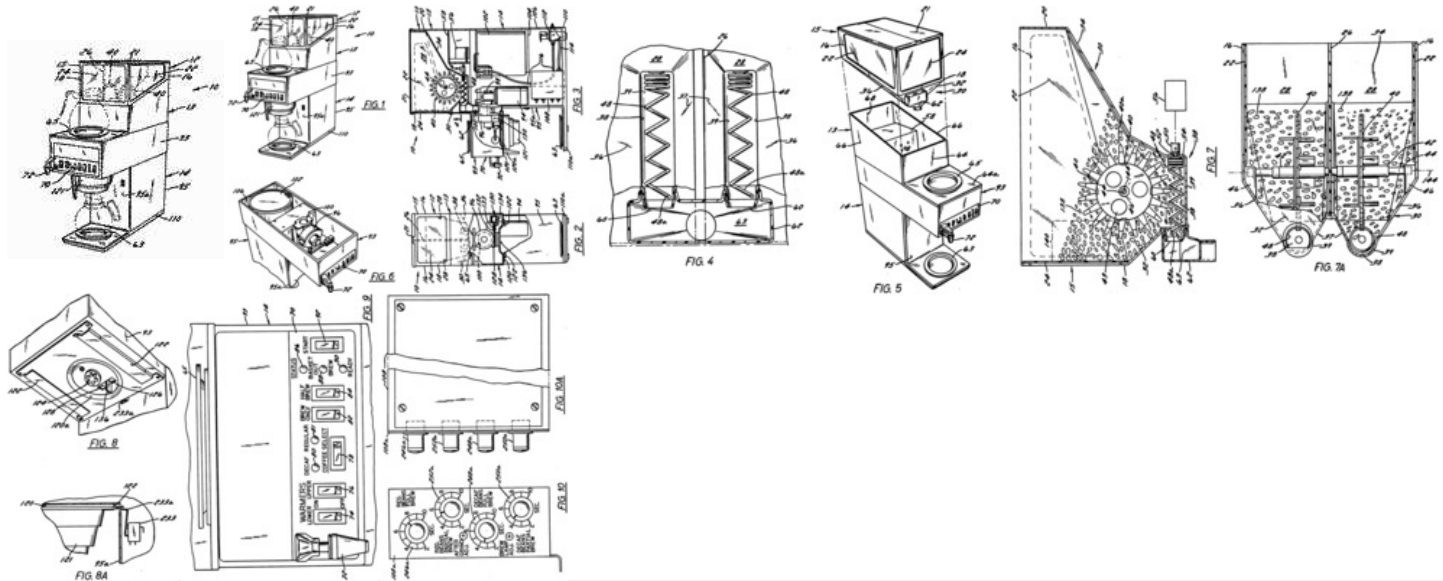
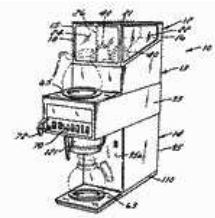
#	Title	Publication number	1st App. date	Applicant/Assignee	1st Publ. date	Publ. date
1.	Coffee bean packaging cartridge and method for preparing a coffee beverage	CA2950519	2010-02-17	CO BASED BELZ EEFU NINK LAKE DOW FADING CO EXECUTIVE DOW NIN KURAKE BE BAD BUOY DOUWE EGBERTS* KONINKLEJKE DAUVE EGBERTS KONINKLEJKE DAUVE EGBERTS PHILIPS* PHILIPS ELECTRONICS ROYAL PHILIPS SARA LEE	2010-08-26	2010-08-26
A coffee beverage system is described including a coffee bean packaging cartridge and a coffee brewing apparatus. The coffee beans packaging cartridge includes a container holding coffee beans and transportation means adapted for enabling transportation of the coffee beans towards an exit opening of the cartridge. The coffee apparatus comprises a grinder for grinding the coffee beans from the cartridge and a brewing device for brewing coffee on the basis of ground coffee obtained by means of the grinder. The system is further provided with a metering chamber for receiving coffee beans which are transported with the aid of the transportation means into the metering chamber. In use the metering chamber will hold a predetermined amount of coffee beans. The metering chamber comprises a bottom portion which forms a part of the grinder, said bottom portion being arranged in the coffee apparatus for rotating around an axis extending in a vertical direction.						
						
2.	Coffee bean packaging cartridge and coffee beverage system including same	US2015157166	2014-07-16	DOUWE EGBERTS*	2015-06-11	2015-06-11
A coffee bean packaging cartridge for holding and supplying multiple servings of coffee beans can be connected to a coffee beverage system. The cartridge includes a container having an outer wall defining an interior volume and an opening at one end thereof. A permanent, preferably non-removable closure member is fitted to the one end of the container and substantially covers the opening. An exit passage in the closure member, defines a coffee bean outlet, for transferring coffee beans from the interior volume. The closure member further has relatively movable closing means for selectively closing the exit passage to reduce exposure of the coffee bean contents to surrounding air. The cartridge further includes connecting means for connecting the cartridge to a coffee beverage system. There is also provided a coffee beverage system that includes the coffee bean packaging cartridge as defined above and at least a dosing device and a grinding mechanism. The dosing device may include a metering chamber for receiving a portion of coffee beans corresponding to an amount necessary for preparing a single serving of coffee beverage.						
						
3.	Coffee bean packaging cartridge and coffee beverage system including the same.	NL2005280	2010-08-26	SARA LEE*	2011-08-18	2011-08-18
No abstract available						



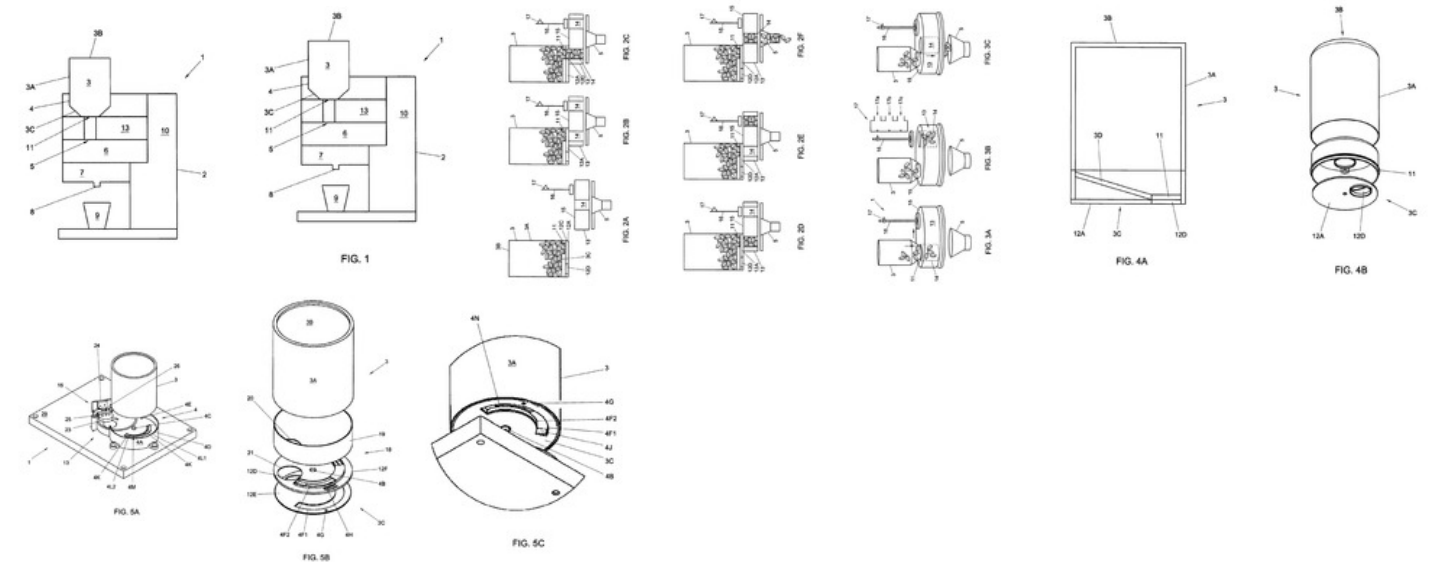
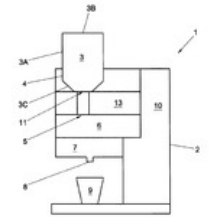
2006-05-09 2006-05-09



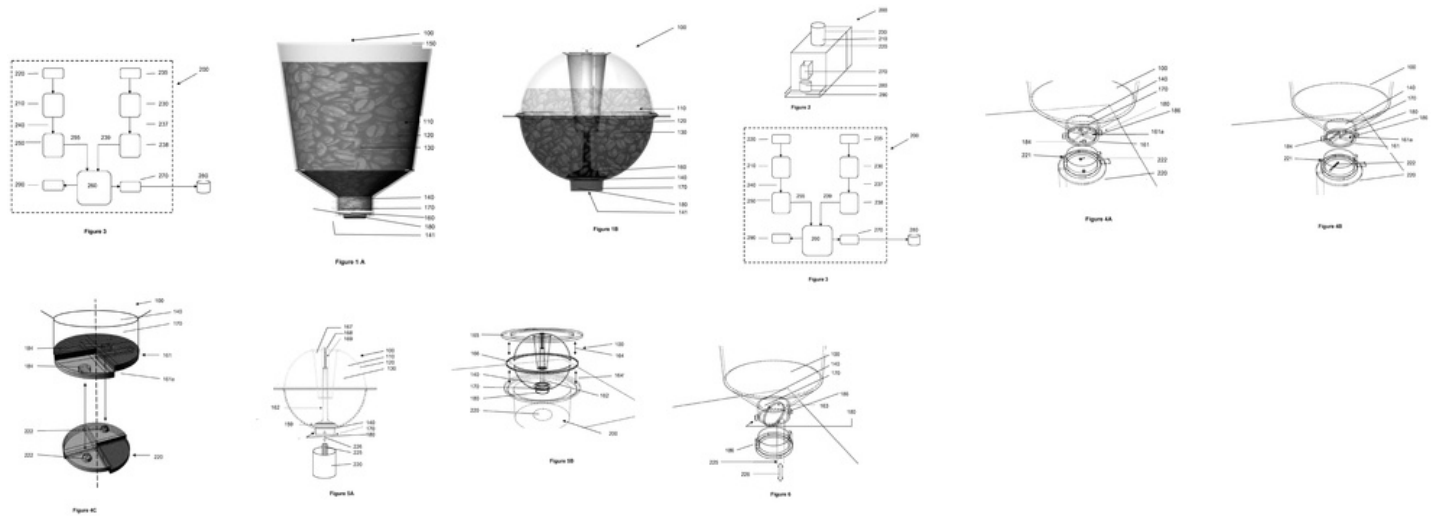
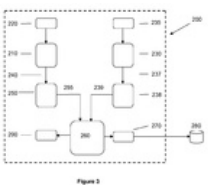
A coffee dispensing and brewing apparatus (10) in accordance with one embodiment of the present invention comprises components for dispensing a predetermined amount of coffee to a brew basket (121), the components including a hopper (12) for holding a supply of coffee beans and an auger device (48) communicating with the hopper for portioning coffee beans in a predetermined amount to a coffee grinder (96). The apparatus further includes a brew basket holding assembly for releasably holding the brew basket (121) in a region adjacent a passageway to the grinder and a hot water making and delivery system for distributing a predetermined volume of hot water from a hot water holding tank (102) to the region during a brewing cycle. The grinder motor has a right angle power transmission (98) that couples the motor (94) to the grinder with the motor being located below the grinder and adjacent a vertical side of the holding tank.



A system(I) for dosing coffee beans, comprising a coffee bean package (3) provided with at least one wall (3A, 3B) which at least partly encloses an inner space for multiple dosages of coffee beans, and a coffee bean outlet (11) for delivering coffee beans, and an apparatus (2) provided with a coffee bean inlet (5) for supplying coffee beans from the coffee bean package (1) to the grinder (6), a connecting device (4) for connecting the coffee bean package(I) to the apparatus (2), so that the coffee bean outlet(11) can be connected to the coffee bean inlet (5), and a dosing device (13) provided with a dosing space (14) which is arranged for feeding-through one predetermined dose of coffee beans from the coffee bean outlet (11) to the coffee bean inlet (5).



The present invention relates to a detachable coffee bean container (100) for storing, holding and supplying coffee beans, said container (100) comprising - a housing (110) having at least one outer wall (120) defining an inner volume (130) capable of storing and holding coffee beans, said housing (110) having at least one bottom side opening (140) defining a coffee bean outlet (141) capable of supplying coffee beans stored and held within the inner volume (130) to the outside of the housing (110); - a closure (160) exterior to said bottom side opening (140) of said housing (110) and capable of closing said bottom side opening (140) against, or transiently opening it for, a passage of coffee beans to the outside of the housing (110); - a passageway (170) capable of guiding coffee beans released from the housing (110) through the closure (160) to the outside of the housing (110); and - an adapter (180) capable of matching the passageway (170) of the coffee bean container (100) to the coffee bean inlet (220) of a conventional coffee brewing apparatus (200) for supplying a predeterminable amount of coffee beans to said apparatus (200). The invention also relates to a coffee brewing apparatus comprising the detachable coffee bean container (100) of the invention, and to a coffee brewing method wherein the detachable coffee bean container (100) if the invention is used.



10. A system for dosing coffee beans and method for dispensing a dose of coffee beans to a grinder

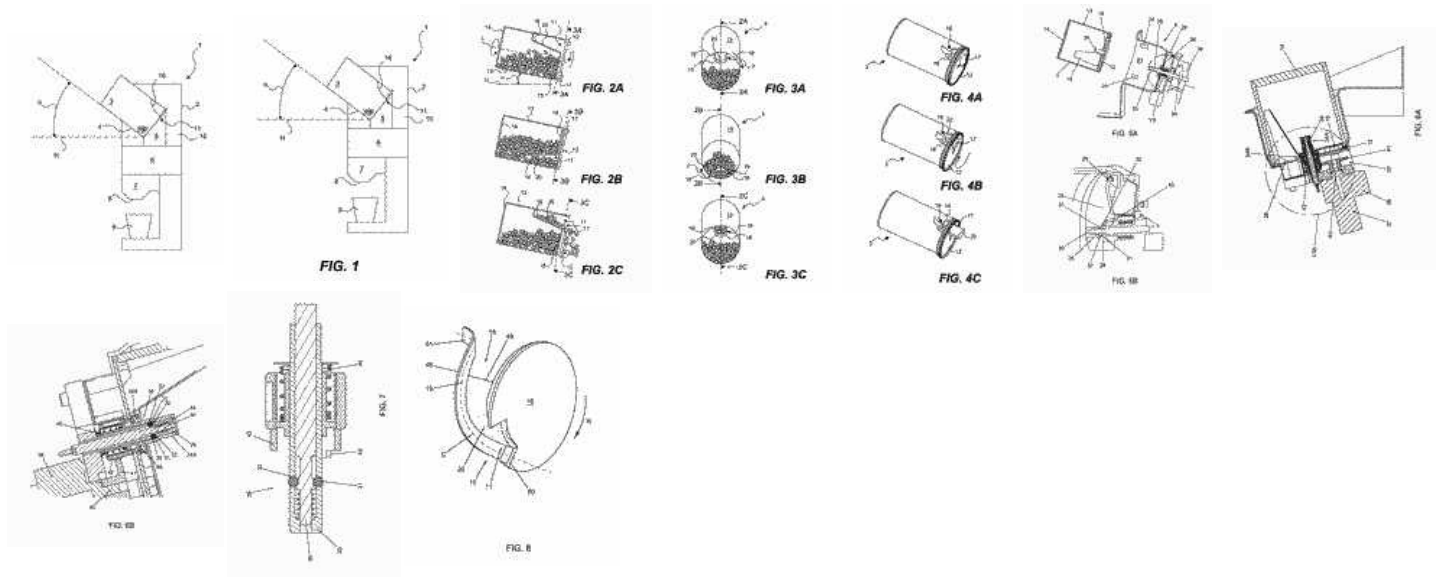
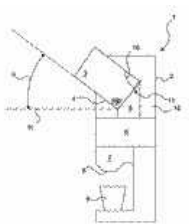
NL2002722

2009-04-06

CO BASED BELZ EEFU NINK LAKE
DOW FADING
DOUWE EGBERTS*
SARA LEE

2010-10-07 2010-10-07

Coffee bean package (3) provided with an inner space for holding a collection of coffee beans for multiple portions of coffee beverage, which inner space is surrounded by at least one wall, a coffee bean outlet (11) for dispensing coffee beans from the inner space, and a dosing device (16) which is arranged for dispensing coffee beans from the inner space in a predetermined dose.



6/6/2018

11.

System, package, apparatus and method for dosing coffee beans

WO2010064902

2009-11-23

CO BASED BELZ EEFU NINK LAKE
DOW FADING
DOUWE EGBERTS*
SARA LEE

2010-06-10 2010-06-10

A system (1) for dosing coffee beans, comprising a coffee bean package (2) provided with walls (8,8a) enclosing an inner space for coffee beans, a coffee bean outlet (7) for delivering coffee beans, and a coupling part (12,13) for coupling and uncoupling the coffee bean package with an apparatus that is provided with a coffee bean grinder (4), and an at least partly movably arranged coffee bean receiving device (14) for supplying coffee beans from the coffee bean package (2) to the grinder (4), which coffee bean receiving device (14) is provided with a dosing space (18) for being capable of containing a predetermined dose of coffee beans, wherein the coffee bean package (2) prior to use in itself is closed off such that exposure of the coffee beans to ambient air is prevented, and the coffee bean receiving device (14) is arranged to be guided through the coffee bean outlet (7) into the inner space of the coffee bean package (2) for letting coffee beans from the coffee bean package into the dosing space (18), and to guide the dosing space through the coffee bean outlet (17) out of the inner space of the coffee bean package (2) for supplying the dose of coffee beans from the dosing space (18) to the grinder (4).

12.

Coffee mill and coffee machine equipped with such a mill

DE20300933

2003-01-22

WEIJIA ELECTRIC INDUSTRY
WICK FAR EAST
WIK*

2004-05-27 2004-05-27

The coffee grinder comprises a funnel (9) which is divided into two compartments (13, 14) feeding into a common outlet (20), below which is a grinder unit (10). A closure (22) allows either of the compartments to be sealed off as required and forms a single unit with the grinder. An Independent claim is included for a coffee machine fitted with the grinder.

13.

Coffee maker with grinder

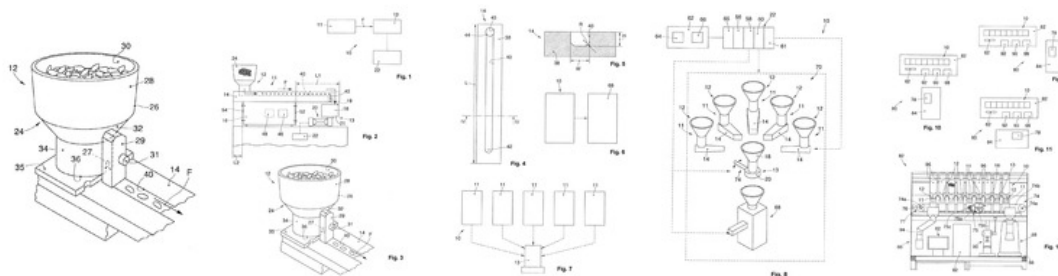
WO2007070874

2005-12-16

ABOVE BOARD MANUFACTURING*

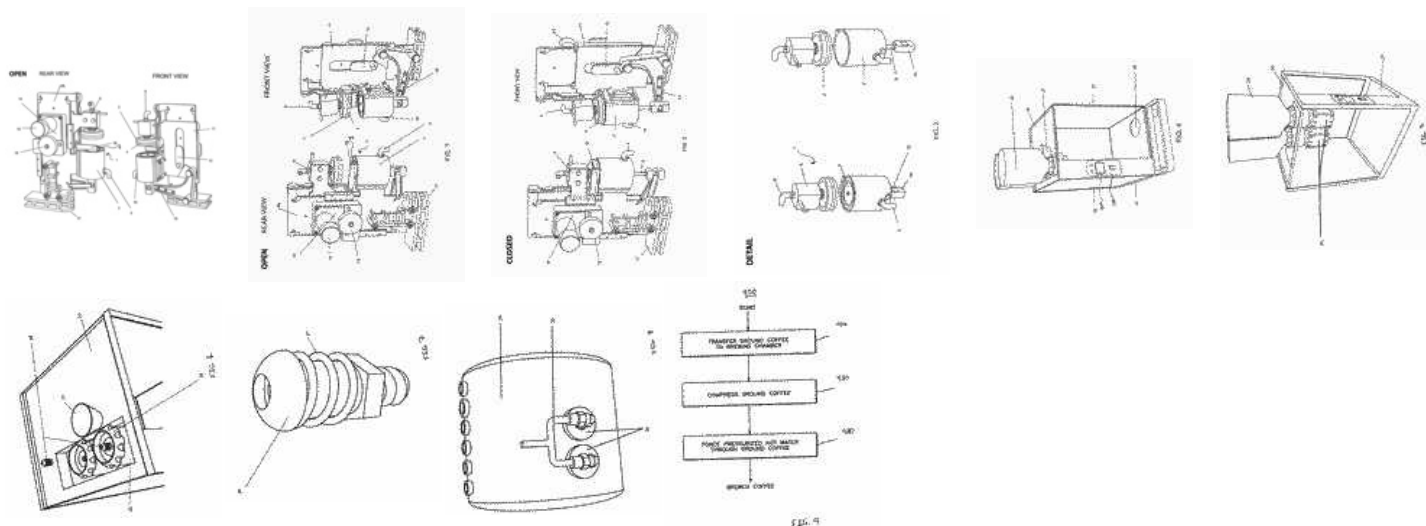
2007-06-21 2007-06-21

A coffee maker may include a reservoir section and a grinding section coupled to the reservoir section. The reservoir section and the grinding section may be included in an internal volume (108) of a container (102). A grinder (114) is disposed in the grinding section. The coffee maker includes a filter (152) between the grinding section and the reservoir section. In certain embodiments, a grinding section, reservoir section, and a pressing element (138) are contained within one chamber. In certain embodiments, the grinder grinds coffee beans while the coffee beans are in water. The container may dispense coffee from the reservoir section when the container is tipped.

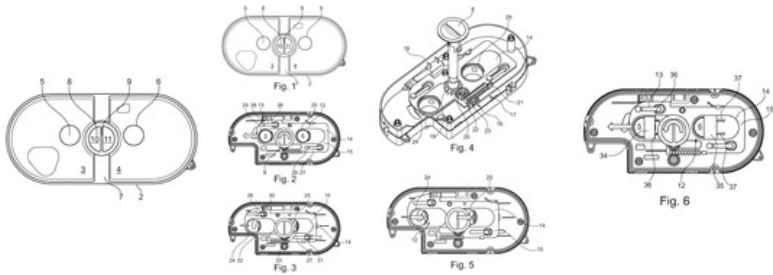
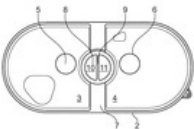


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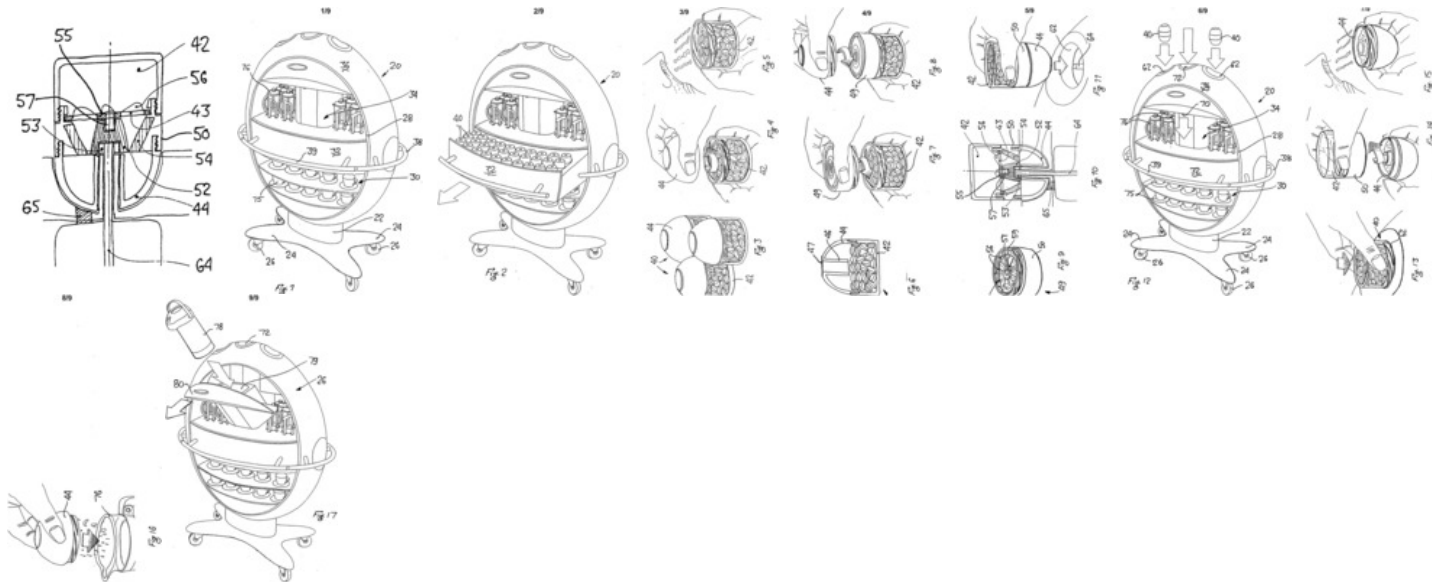
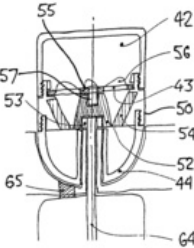
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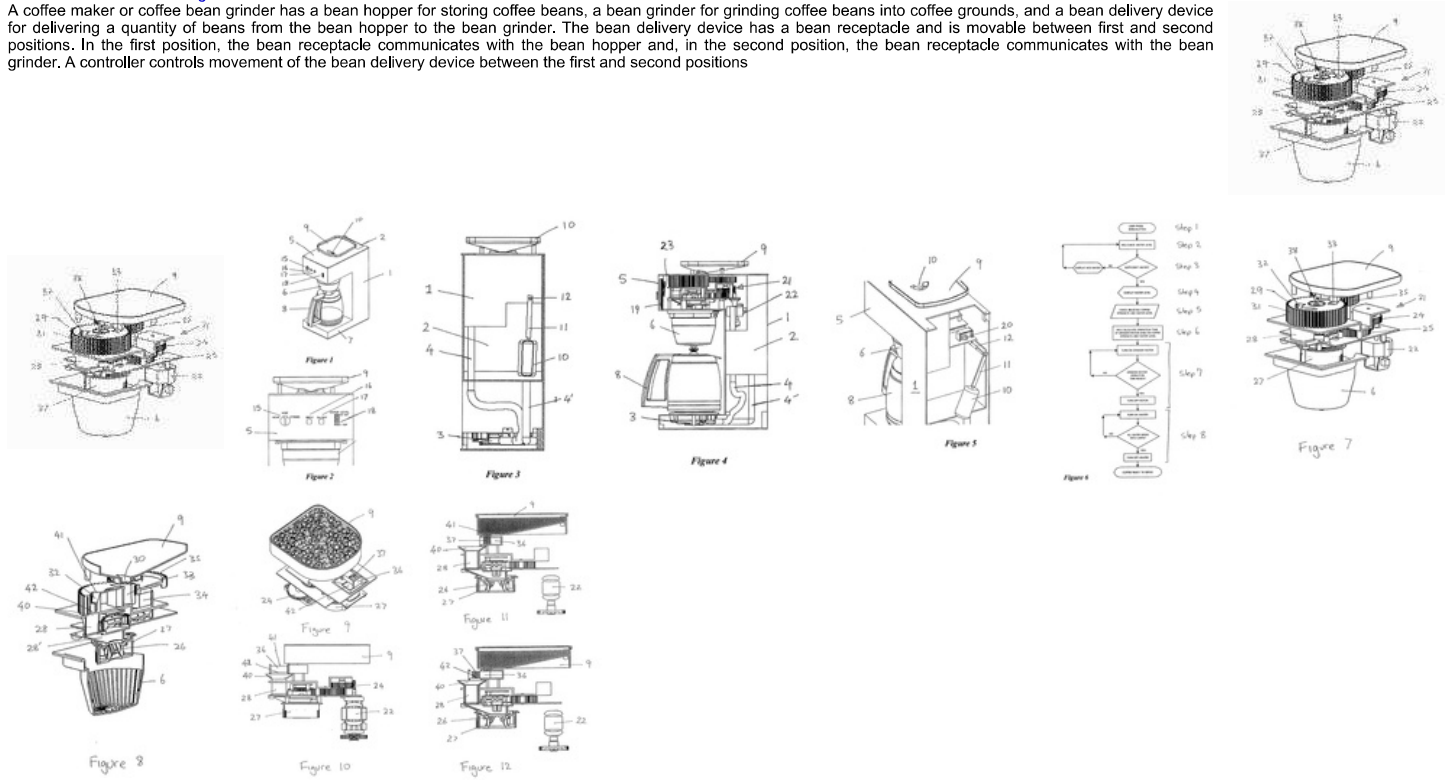
The invention relates to a coffee bean container, in particular a double bean container, for releasably fixing on a coffee grinder or a coffee machine with an integrated coffee grinder, comprising a first bean compartment (3) which has a first bean outlet (6) and at least one second bean compartment (4) which has a second bean outlet (6), closure means (12) which are paired with the bean outlets (5, 6) for closing the bean outlets (5, 6), locking means (13) for locking the bean container on the coffee grinder or on the coffee machine, and an actuating element (8) which can be actuated by a user and thereby moved relative to the bean compartments (3, 4). The actuating element (8) is designed and arranged so as to open all the bean outlets (5, 6) as well as to lock the locking means (13), in particular with a single actuating movement, and/or to close all the bean outlets (5, 6) as well as to unlock the locking means (12), in particular with a single actuating movement.



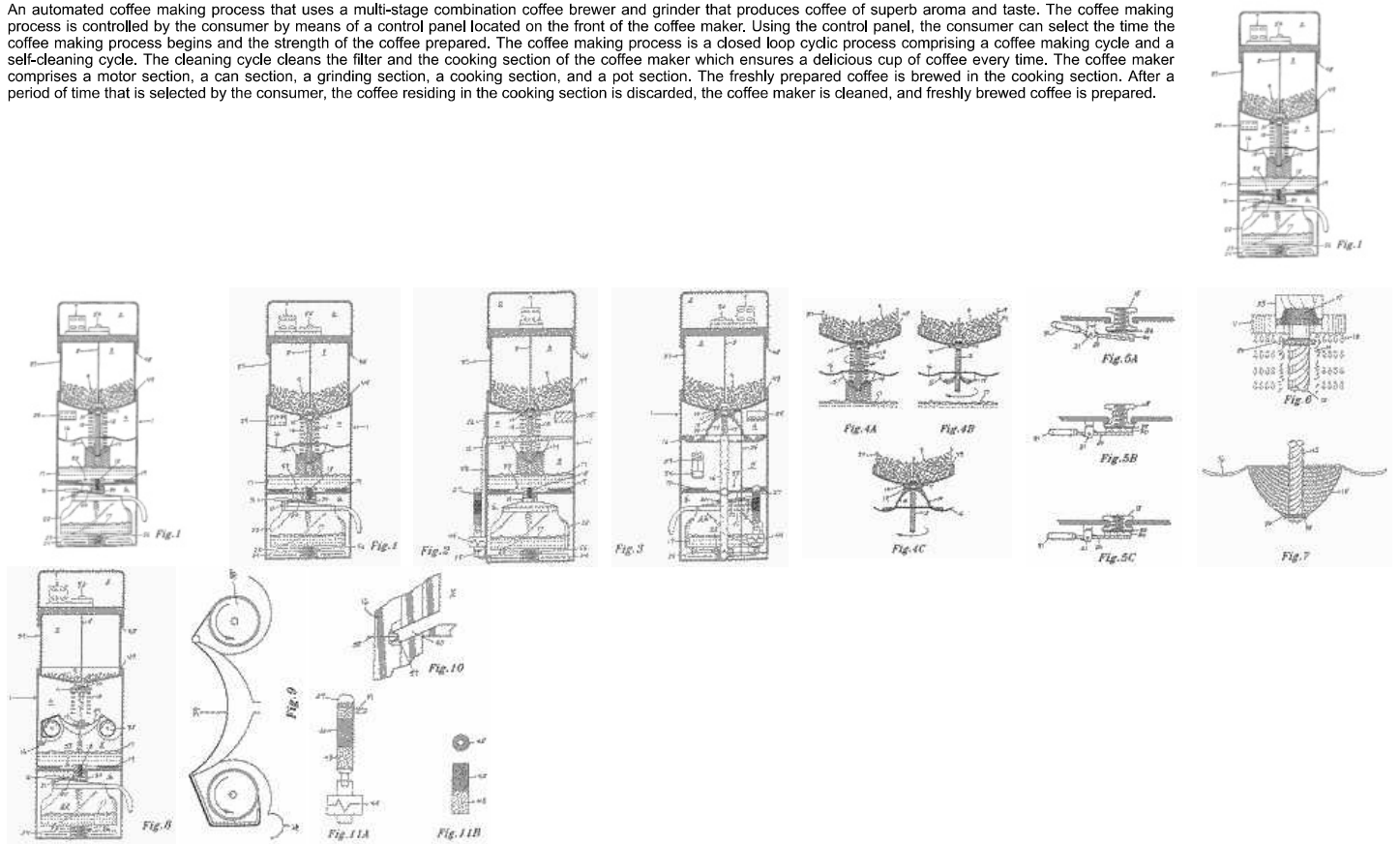
A coffee bean container (40) comprising a compartment (42) or housing for containing a single serving of beans, a removable sealed closure means (44), and information display means for displaying information relating to the type of coffee bean contained within the container. The single serving may be for a single person or cup or for a number of persons or cups served together as part of the same serving. The removable sealed closure portion is in the form of a hollow lid housing which is threadably connectable to the bean compartment. The lid housing includes a hollow shaft (46) with an access opening at one end, the remaining volume of the lid housing being sufficient to contain the ground coffee beans. The access opening is provided with a removable seal (47). The container includes first and second grinding blades (52, 54) such that when the first or second grinding blades are engaged by a rotatable shaft (64) the blades can be induced to rotate relative to each other to grind the beans in the container.



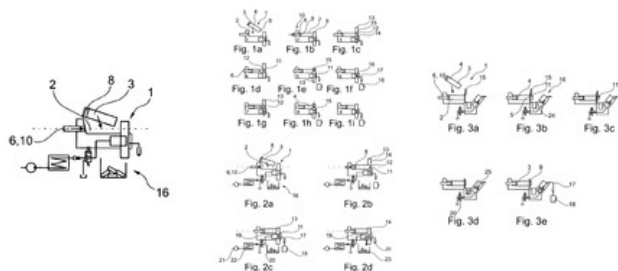
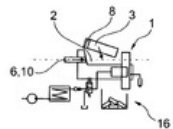
A coffee maker or coffee bean grinder has a bean hopper for storing coffee beans, a bean grinder for grinding coffee beans into coffee grounds, and a bean delivery device for delivering a quantity of beans from the bean hopper to the bean grinder. The bean delivery device has a bean receptacle and is movable between first and second positions. In the first position, the bean receptacle communicates with the bean hopper and, in the second position, the bean receptacle communicates with the bean grinder. A controller controls movement of the bean delivery device between the first and second positions



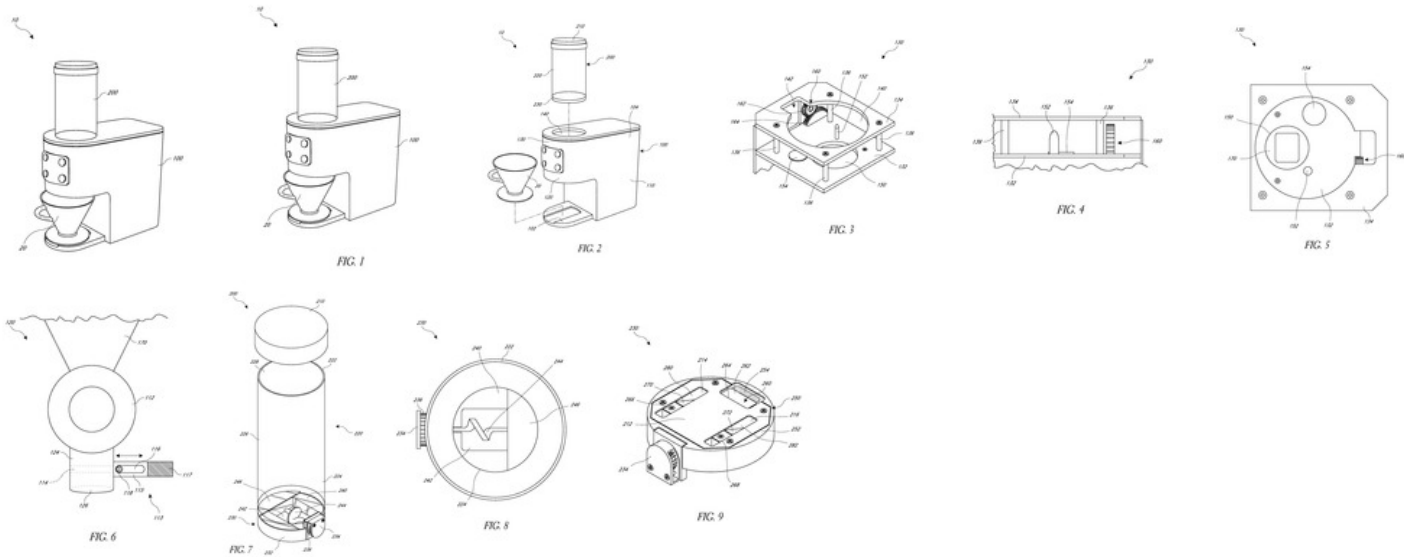
An automated coffee making process that uses a multi-stage combination coffee brewer and grinder that produces coffee of superb aroma and taste. The coffee making process is controlled by the consumer by means of a control panel located on the front of the coffee maker. Using the control panel, the consumer can select the time the coffee making process begins and the strength of the coffee prepared. The coffee making process is a closed loop cyclic process comprising a coffee making cycle and a self-cleaning cycle. The cleaning cycle cleans the filter and the cooking section of the coffee maker which ensures a delicious cup of coffee every time. The coffee maker comprises a motor section, a can section, a grinding section, a cooking section, and a pot section. The freshly prepared coffee is brewed in the cooking section. After a period of time that is selected by the consumer, the coffee residing in the cooking section is discarded, the coffee maker is cleaned, and freshly brewed coffee is prepared.

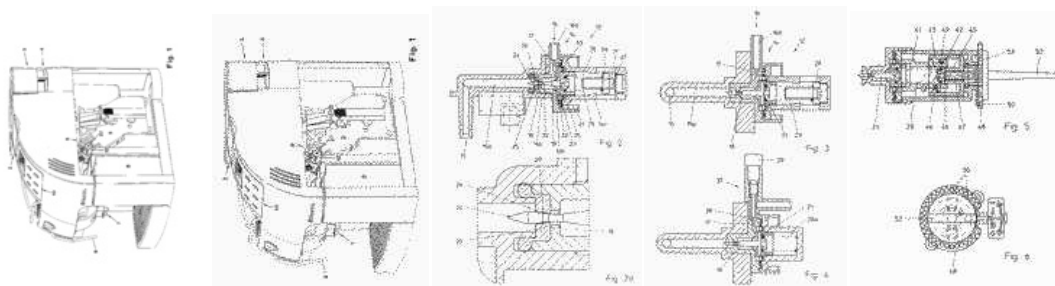
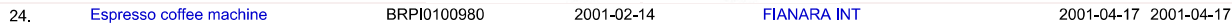


The invention relates to a method for the automated production of a coffee preparation with a coffee preparation device (1) comprising a brewing unit, the method comprising the following steps: - insertion of a pre-filled cartridge (3) with a powder supply (4) comprising a plurality of, preferably compressed, powder portions (11) of ground coffee beans into a cartridge receptacle (2) of a preparation device (1), - automatic or at least partially manual metering of a powder portion (11) from the powder supply (4), wherein the entire powder supply (4) is moved for this purpose, preferably displaced axially, with the assistance of metering means (10), and then the powder portion (11) is separated from the powder supply (4), - transfer of the powder portion (11) to a brewing unit of a preparation device (16), - automatic preparation of the coffee in the brewing unit, using the powder portion (11) and a heated, potable fluid flowing through the powder portion in the brewing unit, more particularly under pressure, - closure of the cartridge (3) in the cartridge outlet opening area (5) of the preparation device.



An apparatus is disclosed for containing a material, such as coffee beans, that may be used with a grinding apparatus. The apparatus may have a directing component to guide a controlled dose of material toward the grinding apparatus. In one embodiment, the apparatus comprises a container with a base portion that engages a grinding apparatus. The container, when engaged with the grinding apparatus, can direct coffee beans toward the grinding apparatus and has a door that releases a controlled dose of beans. A grinding apparatus is also disclosed that may have a movable tongue to cause excess grounds caught on interior components of the grinding apparatus to exit the grinding apparatus. The apparatus, systems, and methods reduce labor associated with grinding the material and allow a user, such as a barista, to more efficiently prepare brewed beverages, such as single-cup portions of coffee.





The vibratory or oscillating levels of the grinding mill (3) during its operation can be used to determine the absence of coffee beans in such mill. Such absence is confirmed if the vibratory or oscillating level changes with respect to a predetermined value. The sound level produced by the housing (3a) of the grinding mill during milling can also be used to determine the coffee bean absence. An independent claim is also included for a coffeemaker.

