

[SS 1] (beverages) AND (capsule OR capsules)

Results in EPODOC **1.417**

[SS 2] 1 and (machine)

Results in EPODOC 418

[SS 3] 2 and (forget OR forgotten)

Results in EPODOC 0

[SS 4] 2 and (identification or identifying)

Results in EPODOC 0

[SS 5] 2 and code

Results in EPODOC 3

[SS 6] ..li

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PN - [RU2014124129](#) A 20151227

PNFP - RU2612852 C2 20170313

PR - EP20110189235
20111115; EP20110189237
20111115; EP20110189588
20111117; WO2012EP72461
20121113

AP - RU20140124129 20121113

DT - 1

CT

- || STSE (C2)
[EP1764015](#) A1 20070321 [
] (GRIMAC S R L [IT]);
[DE102010002439](#) A1 20110901 [
] (BSH BOSCH SIEMENS
HAUSGERAETE [DE]);
[US2008245236](#) A1 20081009 [
] (TCHIBO GMBH [DE]);
[WO2005106769](#) A2 20051110 [
] (DIRECT MEASUREMENTS INC
[US], et al)

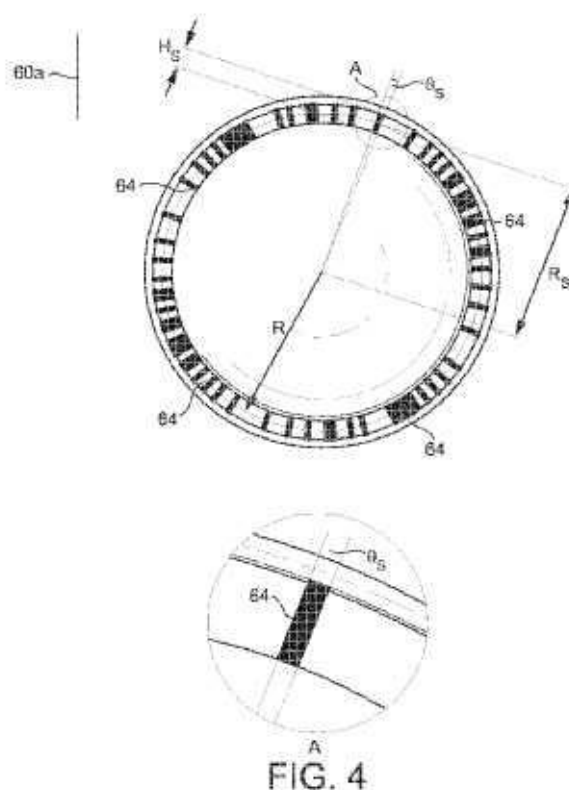
CCI - [A47J31/22](#) ; [A47J31/4492](#) ;
[G06K19/06168](#)

CUI - [A47J31/407](#) ; [B65D85/8043](#) ;
[G06K19/06009](#) ; [G06K19/0614](#)

CNOA - (C2)
G06K19/06

PA - (C2)
NESTEK S A [CH]

TI - (C2)
SUBSTRATE AND CAPSULE
FOR BEVERAGES PREPARATION BY
CENTRIFUGATION, SYSTEM AND



METHOD FOR PREPARATION
OF **BEVERAGES** BY
CENTRIFUGATION

AB - (C2)
FIELD: food industry; **machine**
building.SUBSTANCE: invention
relates to optically
readable **code** substrate, which
can be connected to **capsule** or
can be part of **capsule** used for
beverage delivery into beverage
preparation device by **capsule**
centrifugation. Substrate
contains, at least, one sequence
of symbols, applied onto
substrate surface so, to when
bringing **capsule** into rotation
about axis external reading
device reader read each symbol
in sequential order. Symbols are
formed, at least, partially by
surfaces, providing in any
direction at angle varying from 3
to 10° relative to normal to said
surface, mainly, diffuse
reflection of any incident light
beam, forming with normal to
said surfaces angle of incidence,
which can range from 0 to 10°.
EFFECT: disclosed are substrate
and **capsule** for **beverages**
preparation by centrifugation,
system and method for
preparation of **beverages** by
centrifugation.25 cl, 14 dwg

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PN - [WO2013110203](#) A1 20130801

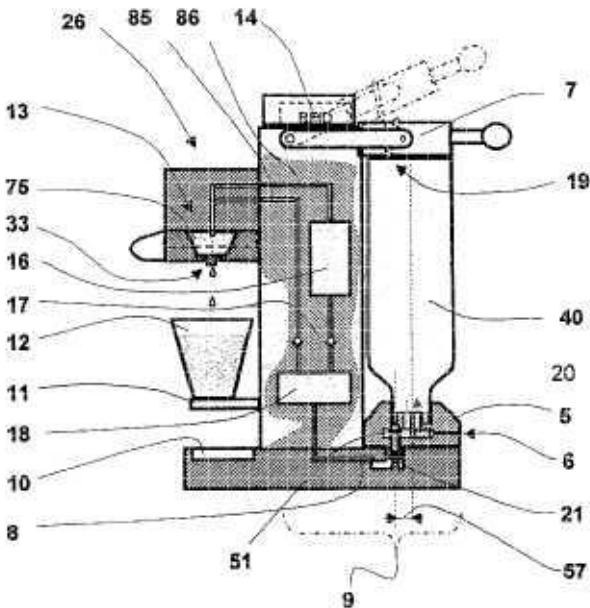
PNFP - WO2013110203 A9 20140206

PR - CH20120000099
20120123; CH20120001301
20120808

AP - WO2013CH00010 20130116

DT - **

CT - |EP| ISR (A1)
[CH700109](#) B1 20100630
[XY] (FOSSEN GMBH [CH])
[X] 1
* the whole document *
[Y] 2-14,17-21;
[EP0165494](#) A1 19851227
[XY] (STREICHER EMIDE METALL
[DE])
[X] 1
* the whole document *
[Y] 2-14,17-21;
[AT6254U](#) U1 20030725 [Y] (BLUE
DOLPHIN HANDELS GMBH [AT])



	[Y] 2-14,17-21
	* the whole document *
CUI	- A47J31/4403
PA	- (A1 A9) SPEICH FRANCISCO [CH]
TI	- (A1 A9) COFFEE MACHINE
AB	- (A1 A9) The invention relates to coffee and beverage machines and methods for preparing hygienically pure and perfect beverages . The intention is to achieve this even in locations without a mains water connection or locations where mains water is difficult to acquire for beverages and washing the integrated water container. According to the invention, the beverage or coffee water is drawn directly from commercially available disposable water bottles (40, 40') by the beverage machine (26) via a pump (18). The commercially available disposable containers (40, 40') contain hygienically packaged high-quality mineral water, are securely closed by rotary closure lids (41/42/42') and are in the form of PET or glass bottles, cartons or plastic bags with a volume of from 0.3 to 2 litres. If the content of the disposable container (40, 40') is depleted by the machine (26) or the water quality has to be changed, a new disposable water container with correspondingly packaged water is directly used. The disposable water container is directly received by the machine (26/9/60) by means of a coupling apparatus (5) with container connection nozzles (46/47) and a machine connection nozzle (50) with a non-return valve (51) which is freely switched by an unlocking apparatus (61) in the water introduction apparatus (21/60) of the machine (26). The coupling apparatus is further designed with a ventilation apparatus (6) for the disposable container. The disposable container (40) is designed such that it can be

installed in and removed from the beverage **machine** (26) individually and together with the coupling apparatus (5). A further refinement of the beverage **machine** (26) for drawing a large number of hot or cold **beverages** using hot or cold water which flows through the lines (85, 86) involves the hot or cold water passing through the beverage **capsule** (75) in the brewing chamber (88) with a downstream discharge channel (33), without the beverage liquid (87) which flows through touching or wetting the wall of the **capsule** holder (80) and/or the discharge channel (33) thereof. In a further embodiment of the invention, the beverage **machine** is designed for a large number of types of beverage such that the hot or cold beverage can be prepared in two ways. In the first way, a beverage **capsule** is inserted into the **capsule** holder of the brewing chamber (88) of the **machine** in order to produce a cold or warm **capsule** beverage (figure 2), and in the second way a beverage **capsule** is not inserted into the **capsule** holder of the brewing chamber (88), in order to draw only pure cold or hot water. In this case, the water passes through the brewing chamber (88) and **capsule** holder (80) (figure 2a). In both cases, the beverage liquids or the pure water flowing through do not touch the walls of the **capsule** chamber (81) or the brewing chamber (88) and the outlet opening (33) or the outlet channel (33). Since the liquids which flow through or the pure water do not come into contact with the brewing chamber wall (88/81) and the outlet opening (33), the brewing chamber and outlet opening cannot be soiled, and therefore the **machine** remains completely hygienic and completely taste-neutral without intermediate cleaning. Therefore, coffee, hot chocolate, tea or cold drinking water can be prepared immediately in succession. A

sensor **machine** controller with RFID readers (14) and RFID labels (70) can be used in order to perfectly adjust the beverage **machine** for the corresponding beverage/soup etc. The **machine** (26) is adjusted and the consumable material data is identified independently of spoken instructions and automatically without visible contact with the label. The RFID label is equipped with a unique **code** which prevents use of counterfeit consumable materials in the beverage **machine**.

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PN	- RU2009146995 A 20110627
PNFP	- RU2448634 C2 20120427
PR	- GB20070009590 20070518; US20070940118P 20070525
AP	- RU20090146995 20080516
DT	- I
CCI	- A47J31/3638 ; A47J31/3695 ; A47J31/4492
CUI	- A47J31/3628 ; A47J31/407
CCA	- A47J2201/00
PA	- (C2) KRAFT FOODS R & D INC [US]
TI	- (C2) MACHINE FOR MAKING BEVERAGES
AB	- (C2) FIELD: personal use articles. ^ SUBSTANCE: invention relates to a machine for making beverages . The feeding head for machine for making beverages contains upward inlet for water supply to the capsule inserted into the feeding head. The outlet for drink flowing is down-directed. A bar code reader has a window of the bar code reader, through which signals can be transmitted. The inlet, the outlet and the window of the bar code reader and the tray for removing are located on the same line. The outlet is located between the inlet and the window of the bar code reader. The outlet and the inlet are located between the window of the bar code reader



and tray for removing. ^ EFFECT:
increased precision of the reader
by preventing contamination of
the window of the bar **code**. ^ 18
cl, 20 dwg

[SS 6] ..v

[EPODOC: SS 6]