

Title (en)

Automatic infusion machine for preparing coffee and similar beverages.

Title (de)

Automatische Einrichtung zur Zubereitung von Expresskaffeeaufgüssen oder von ähnlichen Getränken.

Title (fr)

Dispositif automatique pour l'infusion de doses de café express ou autres boissons similaires.

Publication

EP 0000685 A1 19790207 (FR)

Application

EP 78430005 A 19780712

Priority

FR 7722992 A 19770718

Abstract (en)

1. Automatic device for the infusion of espresso coffee or other similar beverages in which a drawer (7) places above a cylinder (3) can hold two positions, the drawer (7) having an opening (8) for the measure of grinding coffee which goes through the depth of the drawer (7) and can be placed in a position co-axial with the cylinder (3), a piston (4) sliding into the latter when raised, it is characterised by : - A reception chamber for the measure of grinding coffee is delimited by the interior lateral surface of the cylinder (3) and the upper surface of the piston (4) in lower position, the drawer being in rest position in which the opening (8) is co-axial with the cylinder (3), thus allowing the introduction of the measure of grinding coffee into the aforementioned reception chamber, - An infusion chamber is delimited by a blind hole (9) placed on the lower surface of the drawer (7) and the frontal upper side of the piston (4) in upper position, the drawer (7) being in work position, position in which the blind hole (9) caps the cylinder (3) and is coaxial with this latter, the frontal surface of the piston (4) touching the lower surface of the drawer (7) the water being injected into the infusion chamber, the piston (4) staying in this upper position during the infusion off and ejecting the cake of used grounds, the piston (4) returning to its lower position so that a new cycle can begin.

Abstract (fr)

Dispositif automatique pour l'infusion de doses de café express ou autres boissons similaires. Il comprend un corps 1 dans lequel un tiroir 7 peut occuper par l'action du vérin 12 deux positions: Une position repos pour l'admission de la dose de mouture au travers du passage 8 du tiroir 7, dans la chambre 34 créée par le piston 4 en position basse, Une position travail où s'effectue la montée du piston 4 en position haute qui forme la galette dans l'évidement 9 du tiroir 7 et ouvre en fin de course le clapet 21 d'arrivée d'eau pour infuser de bas en haut la galette de mouture. L'infusion terminée le tiroir 7 entraîne la galette épuisée vers la position repos où le piston 4 peut alors redescendre en chassant l'eau de la chambre 34 dans l'évidement 9 pour démouler la galette épuisée et laver la chambre d'infusion.

IPC 1-7

A47J 31/40

IPC 8 full level

A47J 31/36 (2006.01); **A47J 31/40** (2006.01)

CPC (source: EP)

A47J 31/3614 (2013.01); **A47J 31/3619** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

BE CH DE NL

DOCDB simple family (publication)

EP 0000685 A1 19790207; **EP 0000685 B1 19820915**; DE 2862027 D1 19821104; FR 2397815 A1 19790216; FR 2397815 B1 19800711

DOCDB simple family (application)

EP 78430005 A 19780712; DE 2862027 T 19780712; FR 7722992 A 19770718