

Title (en)

MACHINE AND METHOD FOR PACKAGING CAPSULES FOR PRODUCING BEVERAGES

Title (de)

VERPACKUNGSMASCHINE UND VERFAHREN ZUR HERSTELLUNG VON GETRÄNKEKAPSELN

Title (fr)

MACHINE D'EMBALLAGE ET PROCÉDÉ POUR LA FABRICATION DE CAPSULES DE PRÉPARATION DE BOISSONS

Publication

EP 3040285 B1 20170301 (EN)

Application

EP 15202092 A 20151222

Priority

IT BO20140734 A 20141229

Abstract (en)

[origin: EP3040285A1] A machine (1) for simultaneously packaging a plurality of capsules (C) for producing beverages, for example espresso, is provided, comprising a carousel (2) adapted for transporting capsules (C) along a circular direction during packaging, wherein the capsules are housed on the carousel (2) in suitable seats (8), a transportation device (3) for transporting a film (4) along a linear sliding direction (X), cutting means (11) adapted for cutting closing elements (5), for closing the capsules (C), from the film (4) and closing means (21) configured to apply the closing elements (5) to the capsules (C) when the capsules (C) are housed on the carousel (2). The sliding direction (X) lies on a plane (P) parallel to the carousel (2). The imprints (6) of the cutting of the closing elements (5) on the film (4) are arranged along two or more rows (7) that are mutually parallel and offset. Moreover, a method for simultaneously packaging a plurality of capsules is provided.

IPC 8 full level

B65B 29/02 (2006.01); **B65B 7/16** (2006.01); **B65B 43/50** (2006.01); **B65B 65/00** (2006.01)

CPC (source: EP)

B65B 7/164 (2013.01); **B65B 29/022** (2017.07); **B65B 43/50** (2013.01); **B65B 65/003** (2013.01)

Citation (opposition)

Opponent : Rychiger AG

- DE 2602566 A1 19760805 - SUMITOMO BAKELITE CO
- EP 1564143 A1 20050817 - HANS RYCHIGER AG [CH]
- DE 1511620 A1 19690911 - HAMAC HANSELLA GMBH
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- EP 1312548 A1 20030521 - ERCA FORMSEAL [FR]
- "Low Speed Capsule Filling Machine", IMA GIMA 590, October 2014 (2014-10-01), XP055434434
- "590 - New GIMA Capsule Filling machine", IMA CORPORATE, 10 October 2014 (2014-10-10), XP055442825, Retrieved from the Internet <URL:www.ima.it/590-new-gima-capsule-filling-machine/> [retrieved on 20171113]
- "Tecnologie per il dosaggio di precisione", PACKAGING OBSERVER, 9 November 2014 (2014-11-09), XP055442826, Retrieved from the Internet <URL:www.packagingobserver.com/tecnologie-per-il-dosaggio-di-precisione/> [retrieved on 20171113]

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DOCDB simple family (application)

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