

Title (en)

FOIL CAPSULE, BOTTLE, MACHINE AND METHOD FOR MAKING SCORE LINES IN A FOIL CAPSULE

Title (de)

FOLIENKAPSEL, FLASCHE, MASCHINE UND VERFAHREN ZUR HERSTELLUNG VON EINKERBUNGEN IN EINER FOLIENKAPSEL

Title (fr)

CAPSULE DE SURBOUCHAGE, BOUTEILLE, MACHINE ET PROCÉDÉ DESTINÉ À RÉALISER DES LIGNES D'AFFAIBLISSEMENT DANS UNE CAPSULE DE SURBOUCHAGE

Publication

EP 2835323 A4 20160316 (EN)

Application

EP 12873828 A 20121218

Priority

- ES 201230508 A 20120403
- ES 2012070876 W 20121218

Abstract (en)

[origin: EP2835323A1] The present invention relates to a foil capsule, bottle, machine for making score lines in a foil capsule, and method for making score lines in a foil capsule. The foil capsule is made of a metal alloy that comprises at least 99.5% by weight of aluminum. The machine for making score lines in a foil capsule comprises a rotary element (30) configured for being inserted in the capsule such that the capsule rotates on a longitudinal axis of the capsule when the rotary element (30) rotates, and at least two cutting elements (31, 32), arranged to make the corresponding cutting lines as the rotary element rotates. The cutting elements (31, 32) are arranged in a mounting (33) configured such that it can rock in a plane about a pivoting axis (35), said longitudinal axis being perpendicular to said plane.

IPC 8 full level

B21D 51/38 (2006.01); **B65D 41/62** (2006.01)

CPC (source: EP US)

B21D 33/00 (2013.01 - US); **B21D 51/383** (2013.01 - US); **B21D 51/443** (2013.01 - EP US); **B65B 7/00** (2013.01 - US); **B65B 7/168** (2013.01 - EP); **B65B 7/285** (2013.01 - EP); **B65B 61/005** (2013.01 - EP); **B65B 61/18** (2013.01 - EP); **B65D 39/0005** (2013.01 - US); **B65D 41/62** (2013.01 - EP US); **B65D 51/185** (2013.01 - EP US); **B65D 2251/0031** (2013.01 - EP US); **B65D 2251/0075** (2013.01 - EP US); **Y10T 83/0481** (2015.04 - EP US); **Y10T 83/4728** (2015.04 - EP US)

Citation (search report)

- [X] US 5222616 A 19930629 - DRUESNE GUY [FR], et al
- [A] US 5654022 A 19970805 - SAYRE DAVID P [US]
- See references of WO 2013150164A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2835323 A1 20150211; **EP 2835323 A4 20160316**; ES 2424896 A2 20131009; ES 2424896 B1 20150413; ES 2424896 R2 20140701; US 2015175326 A1 20150625; WO 2013150164 A1 20131010

DOCDB simple family (application)

EP 12873828 A 20121218; ES 2012070876 W 20121218; ES 201230508 A 20120403; US 201214390512 A 20121218