

Title (en)
A BEVERAGE CAPSULE WITH ANTI-DRIPPING MEMBRANE

Title (de)
GETRÄNKEKAPSEL MIT TROPFSCHUTZMEMBRAN

Title (fr)
CAPSULE DE BOISSON AVEC MEMBRANE ANTI-ÉGOUTTEMENT

Publication
EP 2892824 B1 20170510 (EN)

Application
EP 13756172 A 20130903

Priority
• EP 12183057 A 20120905
• EP 2013068164 W 20130903
• EP 13756172 A 20130903

Abstract (en)
[origin: WO2014037339A1] The present invention concerns a beverage capsule (11) comprising capsule side walls (20), a capsule top, and a capsule bottom (21) having a dispensing outlet (22), that define a chamber for containing a food or beverage precursor ingredient soluble and/or extractable when a fluid is injected inside said chamber under pressure, said capsule (11) further comprising a pressure-sensitive membrane (25), characterized in that said pressure-sensitive membrane (25) comprises at least one weakened or precut zone defining a non-reclosable opening (26) which : (i) elastically and plastically opens, respectively widens when the fluid pressure inside said capsule reaches a predetermined value between 0.5 and 20 bar relative pressure, and then (ii) maintains a widen configuration after the fluid pressure within the chamber is released to an atmospheric pressure value, such that the width of said at least one opening (26) does not exceed 1 mm.

IPC 8 full level
B65D 85/804 (2006.01)

CPC (source: EP US)
B65D 17/404 (2017.12 - US); **B65D 65/38** (2013.01 - US); **B65D 85/8046** (2013.01 - EP US); **B65D 85/8055** (2020.05 - EP US);
B65D 2517/002 (2013.01 - US); **B65D 2565/388** (2013.01 - US)

Cited by
EP3572353A1

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)
WO 2014037339 A1 20140313; AR 092453 A1 20150422; CN 104603027 A 20150506; CN 104603027 B 20170811; EP 2892824 A1 20150715;
EP 2892824 B1 20170510; ES 2629178 T3 20170807; JP 2015530142 A 20151015; US 2015232263 A1 20150820

DOCDB simple family (application)
EP 2013068164 W 20130903; AR P130103159 A 20130905; CN 201380045860 A 20130903; EP 13756172 A 20130903;
ES 13756172 T 20130903; JP 2015529055 A 20130903; US 201314423484 A 20130903