

Title (en)

A PACKAGING WITH A SPOUT FOR FLOWABLE PRODUCTS

Title (de)

VERPACKUNG MIT AUSGUSS FÜR FLIESSFÄHIGE PRODUKTE

Title (fr)

CONDITIONNEMENT MUNI D'UN BEC VERSEUR DESTINÉ À DES PRODUITS POUVANT S'ÉCOULER

Publication

EP 2739538 A1 20140611 (EN)

Application

EP 12740979 A 20120731

Priority

- EP 11176558 A 20110804
- EP 2012064910 W 20120731
- EP 12740979 A 20120731

Abstract (en)

[origin: EP2554486A1] The present invention is directed to a container (1) comprising a deformable container body (2) with at least one compartment, for containing a flowable liquid, semi-liquid, or jellified product having a viscosity lower than 1 Pa.s at 20°C, and at least one dispensing opening (4) for dispensing said product, which is located in a spout element (3), said container having a capacity of at least 10ml, preferably at least 50ml, characterized in that the functional cross-section of said at least one opening is fixed and comprised between 0.002 mm² and 7 mm², preferably between 0.008 mm² and 0.8 mm², more preferably between 0.03 mm² and 0.4 mm², and most preferably between 0.07 mm² and 0.2 mm², such that said product flows through said opening only after an external force of at least 0.5 kg, preferably at least 1 kg, more preferably at least 3 kg, is exerted onto the container body walls which is directed towards the inside of said body.

IPC 8 full level

B65D 1/32 (2006.01); **B65D 47/20** (2006.01); **B65D 83/00** (2006.01)

CPC (source: EP US)

B65D 1/32 (2013.01 - EP US); **B65D 35/28** (2013.01 - US); **B65D 35/38** (2013.01 - US); **B65D 35/44** (2013.01 - US);
B65D 47/20 (2013.01 - EP US); **B65D 47/2018** (2013.01 - EP US); **B65D 83/0055** (2013.01 - EP US); **B65D 2401/15** (2020.05 - EP US)

Citation (search report)

See references of WO 2013017579A1

Citation (examination)

- US 2011017772 A1 20110127 - JACOULET MARIE-PAULE [FR], et al
- CN 201390453 Y 20100127 - HANGZHOU DINGZHENG PACKAGE MATERIAL CO LTD
- JP 2005008246 A 20050113 - DAINIPPON PRINTING CO LTD
- JP 2005247375 A 20050915 - TOYO SEIKAN KAISHA LTD
- US 5851333 A 19981222 - FAGNANT ANTHONY G [US], et al

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 2554486 A1 20130206; CA 2842393 A1 20130207; CN 103717499 A 20140409; CN 103717499 B 20161116; EP 2739538 A1 20140611;
JP 2014524872 A 20140925; MX 2014001266 A 20140519; MX 340935 B 20160801; US 2014203048 A1 20140724;
WO 2013017579 A1 20130207

DOCDB simple family (application)

EP 11176558 A 20110804; CA 2842393 A 20120731; CN 201280038256 A 20120731; EP 12740979 A 20120731; EP 2012064910 W 20120731;
JP 2014523300 A 20120731; MX 2014001266 A 20120731; US 201214236570 A 20120731