

Title (en)
DEVICE FOR PACKAGING AND DISPENSING FLUID, LIQUID OR PASTY SUBSTANCES

Title (de)
VORRICHTUNG ZUR VERKAPSELUNG UND AUSGABE VON FLUIDEN, FLÜSSIGEN ODER PASTÖSEN STOFFEN

Title (fr)
DISPOSITIF DE CONDITIONNEMENT ET DE DISTRIBUTION DE PRODUITS FLUIDES, LIQUIDES OU PATEUX

Publication
EP 3086883 A1 20161102 (FR)

Application
EP 14827847 A 20141216

Priority
• FR 1363401 A 20131223
• FR 2014053361 W 20141216

Abstract (en)
[origin: CA2933359A1] The invention relates to a device for dispensing fluid products, provided with an extension tip (4) and connected by a first end to a nozzle (3) connected to a dosing pump mounted on a bottle containing the product to be dispensed and comprising at the second distal end thereof an discharge opening, said extension nozzle (4) having an seal (5) the first end (5A) of which is arranged on said discharge opening, said seal (5) being intended to open at the second distal end (5B) thereof under the pressure of the product during the activation of the said pump, and the said seal (5) comprising an external tubular part (6), elastically deformable when bent longitudinally, whose first end (5A) is arranged on the discharge opening and whose external section of refined form regularly tapers towards its second distal end (5B), at least on part of its length, the said external part (6) being intended to elastically deform radially at its second distal end (5B) under the pressure of the fluid going out of the pump by the said tube (3). According to the invention, the said seal (5) comprises inside the said external part (6), a tubular connector (7) interdependent with the said discharge opening of the end (4) and a rod (8) of section virtually identical to the internal section of the second distal end (6B) of the said external part, attached by its first end (8A) to this connector (11) through a joint and closing by its second end (8B) the second distal end (6B) of the said external part.

IPC 8 full level
B05B 11/00 (2006.01); **B05B 15/06** (2006.01); **B05B 15/652** (2018.01); **B05B 15/654** (2018.01)

CPC (source: EP KR US)
B05B 11/007 (2013.01 - EP KR US); **B05B 11/0072** (2013.01 - EP KR US); **B05B 11/0091** (2013.01 - EP KR US);
B05B 11/026 (2023.01 - EP US); **B05B 15/652** (2018.01 - KR); **B05B 15/654** (2018.01 - KR); **B05B 15/652** (2018.01 - EP US);
B05B 15/654 (2018.01 - EP US)

Citation (search report)
See references of WO 2015097362A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3015443 A1 20150626; FR 3015443 B1 20160701; BR 112016013585 B1 20210105; CA 2933359 A1 20150702; CN 105899298 A 20160824; CN 105899298 B 20180511; EP 3086883 A1 20161102; EP 3086883 B1 20171206; ES 2659287 T3 20180314; IL 246248 A0 20160731; IL 246248 B 20200430; JP 2017502825 A 20170126; JP 6486935 B2 20190320; KR 20160102279 A 20160829; US 10189039 B2 20190129; US 2018193858 A1 20180712; WO 2015097362 A1 20150702

DOCDB simple family (application)
FR 1363401 A 20131223; BR 112016013585 A 20141216; CA 2933359 A 20141216; CN 201480070344 A 20141216; EP 14827847 A 20141216; ES 14827847 T 20141216; FR 2014053361 W 20141216; IL 24624816 A 20160615; JP 2016537975 A 20141216; KR 20167020045 A 20141216; US 201415106893 A 20141216