

Title (en)

PACKAGING AND DISPENSING DEVICE FOR FLUID PRODUCTS WITH A MANUAL PUMP

Title (de)

MIT EINER MANUELLEN PUMPE AUSGESTATTETE VERPACKUNGS- SOWIE AUSGABE-VORRICHTUNG EINES FLUIDES

Title (fr)

DISPOSITIF DE CONDITIONNEMENT ET DE DISTRIBUTION DE PRODUITS FLUIDES À POMPE MANUELLE.

Publication

EP 2841206 A2 20150304 (FR)

Application

EP 13780693 A 20130423

Priority

- FR 1253727 A 20120424
- FR 2013050902 W 20130423

Abstract (en)

[origin: WO2013160608A2] The invention relates to a device for packaging and dispensing fluid products. The device, which has a manual pump (2) mounted on a bottle (1) or a bag (5) containing the product to be dispensed, comprises a removable element (11) inserted between the pump (2) and the neck of the bottle (1), as well as a stopper (13) secured to the pump (2), which is capable of closing the circuit for the passage of the product to be dispensed between the inside of the flask (1) and the pump (2) when the removable element (11) is in place. The invention can be used for improving preservation during the storage of the product contained in the bottle or bag.

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: CN EP KR US)

B05B 11/0008 (2013.01 - KR); **B05B 11/0027** (2013.01 - CN EP US); **B05B 11/1043** (2023.01 - KR); **B05B 11/1047** (2023.01 - CN EP US); **B05B 11/105** (2023.01 - KR); **B05B 11/1054** (2023.01 - CN US); **B05B 11/026** (2023.01 - EP US); **B05B 11/1059** (2023.01 - US)

Citation (search report)

See references of WO 2013160608A2

Cited by

FR3106054A1; WO2021144293A1; FR3104554A1; WO2021122852A1; FR3112333A1; WO2022013156A1

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 2989598 A1 20131025; FR 2989598 B1 20160101; BR 112014026396 A2 20170627; BR 112014026396 B1 20201201; CA 2870231 A1 20131031; CA 2870231 C 20200331; CN 104364019 A 20150218; CN 104364019 B 20161109; EP 2841206 A2 20150304; EP 2841206 B1 20171220; ES 2660028 T3 20180320; IL 235304 B 20180531; JP 2015514647 A 20150521; JP 6215308 B2 20171018; KR 102077139 B1 20200213; KR 20150024314 A 20150306; US 2015102064 A1 20150416; US 9486826 B2 20161108; WO 2013160608 A2 20131031; WO 2013160608 A3 20141218

DOCDB simple family (application)

FR 1253727 A 20120424; BR 112014026396 A 20130423; CA 2870231 A 20130423; CN 201380031720 A 20130423; EP 13780693 A 20130423; ES 13780693 T 20130423; FR 2013050902 W 20130423; IL 23530414 A 20141023; JP 2015507584 A 20130423; KR 20147032929 A 20130423; US 201314395967 A 20130423