

Title (en)

DEVICE FOR PACKAGING AND DISPENSING A PRODUCT, WITH BOTTLE AND END PIECE PROVIDED WITH ANNULAR RINGS

Title (de)

VORRICHTUNG ZUM VERPACKEN UND AUSGEBEN EINES PRODUKTE MIT EINER FLASCHE UND EINEM ENDSTÜCK MIT RINGFÖRMIGEN RINGEN

Title (fr)

DISPOSITIF DE CONDITIONNEMENT ET DISTRIBUTION D'UN PRODUIT AVEC FLACON ET EMBOUT MUNI DE JONCS ANNULAIRES

Publication

EP 3810524 A1 20210428 (FR)

Application

EP 19742832 A 20190527

Priority

- FR 1800678 A 20180621
- FR 2019051215 W 20190527

Abstract (en)

[origin: WO2019243684A1] The invention relates to a device for packaging and dispensing a liquid product which is semi-fluid or in suspension, said device comprising a container (1) containing the product (2) to be dispensed by an accessory (15) that can comprise at least one dosing chamber (16), as well as a renewal and filtration assembly (4, 5), the dispensing accessory (15) comprising a flexible portion (8) which cooperates with a rigid portion (7) so as to release a dose of the product (2) when the walls of the container (1) or the dosing chambers (16) are compressed but do not allow the outside air to penetrate inside the device when the actuating walls are no longer solicited, the area of contact between the rigid portion (7) and the flexible portion (8) being interrupted and formed from sealing rings (13, 13a, 13b et 13c) arranged circularly inside the flexible portion (8). The invention is applicable to the packaging and the dispensing of doses of sterile products, particularly drops used in ophthalmology.

IPC 8 full level

B65D 47/18 (2006.01); **B65D 47/20** (2006.01)

CPC (source: EP)

B65D 47/18 (2013.01); **B65D 47/2018** (2013.01); **B65D 47/2037** (2013.01)

Citation (search report)

See references of WO 2019243684A1

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)

WO 2019243684 A1 20191226; EP 3810524 A1 20210428; EP 3810524 B1 20220302; FR 3082835 A1 20191227; FR 3082835 B1 20200522

DOCDB simple family (application)

FR 2019051215 W 20190527; EP 19742832 A 20190527; FR 1800678 A 20180621