

Title (en)

DEVICE FOR PACKAGING AND DISPENSING A PRODUCT IN AN AIRLESS MANNER, NOTABLY IN SEVERAL PHASES, ASSOCIATED PURGE RING AND METHOD

Title (de)

VORRICHTUNG ZUR LUFTLOSEN VERPACKUNG UND AUSGABE EINES PRODUKTES, INSBESONDERE IN MEHREREN PHASEN, ZUGEHÖRIGER SPÜLRING UND VERFAHREN

Title (fr)

DISPOSITIF DE CONDITIONNEMENT ET DE DISTRIBUTION SANS REPRISE D'AIR D'UN PRODUIT, NOTAMMENT À PLUSIEURS PHASES, BAGUE DE PURGE ET PROCÉDÉ ASSOCIÉS

Publication

EP 3405291 A1 20181128 (FR)

Application

EP 17700713 A 20170120

Priority

- FR 1650524 A 20160122
- EP 2017051251 W 20170120

Abstract (en)

[origin: WO2017125590A1] This device (10) comprises: - a container (20) defining an inner volume that is intended to contain the product (12) and is closed off by a movable end wall (38) and opens out through a dispensing neck (40); - a dispensing member (22); - a purge ring (24) comprising a base (62) that delimits a central orifice defining a central axis of the ring (24), the base (62) having an external contour (70) and a lateral surface (72) that converges from the external contour (70) towards a second end of the central orifice. The device (10) is characterized in that the purge ring (24) comprises at least one radial opening that is disposed radially with respect to the central axis and allows the product (12) to pass from the container (20) towards the central orifice.

IPC 8 full level

B05B 11/00 (2006.01); **B05B 15/00** (2018.01); **B05B 15/30** (2018.01)

CPC (source: EP KR US)

B05B 11/00446 (2018.07 - KR); **B05B 11/0081** (2013.01 - EP KR US); **B05B 11/0097** (2013.01 - EP KR US); **B05B 11/028** (2023.01 - EP KR US); **B05B 11/1047** (2023.01 - KR); **B05B 11/1074** (2023.01 - KR); **B05B 15/30** (2018.01 - EP KR US); **B05B 11/00446** (2018.07 - EP US); **B05B 11/1045** (2023.01 - EP US); **B05B 11/1047** (2023.01 - EP US); **B05B 11/1067** (2023.01 - EP); **B05B 11/1074** (2023.01 - EP US)

Citation (search report)

See references of WO 2017125590A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017125590 A1 20170727; CN 108778525 A 20181109; CN 108778525 B 20210831; EP 3405291 A1 20181128; EP 3405291 B1 20210721; FR 3046944 A1 20170728; FR 3046944 B1 20220401; KR 20180109948 A 20181008; US 10835910 B2 20201117; US 2019022679 A1 20190124

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