

Title (en)

Packaging device for a product comprising a manual pump for dispensing unitary doses

Title (de)

Verpackung für ein Medium, mit einer handbetätigten Pumpe zur Abgabe einzelner Dosen

Title (fr)

Dispositif de conditionnement d'un produit avec pompe manuelle de distribution en doses unitaires

Publication

EP 0696479 B1 19980923 (FR)

Application

EP 95401836 A 19950804

Priority

FR 9409815 A 19940808

Abstract (en)

[origin: EP0696479A1] The packaging comprises an external rigid container (2) with an open neck (16) and an internal deformable container (1) with an open neck (17), containing the product. A manual pump (15) which distributes the product in single doses is mounted on the external container neck. A cap (3) seals the system. The volume (12) between the deformable and rigid containers receives outside air, when the pump is activated, through orifices (18,20) in the pump body (13) and the deformable container neck, and through ribbed passages (21) in the external container neck. A sealing joint (4) forms a non return valve against the air inlet orifice in the pump body. A special stop limits displacement of the pump piston (6), preventing passage to the outside of vapours or gases which have migrated from the inside of the container into the volume between containers when the pump is not activated.

IPC 1-7

B05B 11/00

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: EP US)

B05B 11/0044 (2018.07 - EP US); **B05B 11/026** (2023.01 - EP US); **B05B 11/1001** (2023.01 - EP US)

Cited by

US5873491A; US5950880A; NL1036085C; EP2314380A3; USRE39520E; US9700907B2; WO2010044659A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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