

Title (en)

Packaging device for a product with a load support ring of a manual pump dispensing unitary doses

Title (de)

Vorrichtung zum Aufbewahren eines Mediums mit einem Stützring einer handbetätigten Pumpe zur Abgabe einzelner Dosen

Title (fr)

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

Publication

EP 0769328 B1 19991124 (FR)

Application

EP 96402215 A 19961016

Priority

FR 9512300 A 19951019

Abstract (en)

[origin: EP0769328A1] The product dispenser packaging comprises an external rigid container (9) with an open neck (10) and an internal deformable container (10) with an open neck (2). The internal container is housed inside the external container. A manual pump (11), which dispenses single product doses, is sealed on the internal container neck by an annular sealing joint (21). The pump body (12), which has a tubular part (20) surrounded by the sealing joint which engages in the internal container neck, is supplied with the product from the internal container. The internal container neck is fixed by a sealed annular rigid collar (4) which has on its periphery fixings which engage complementary fixings in the external container neck. On the internal periphery of the collar are second fixings which engage complementary fixings in the pump body.

IPC 1-7

B05B 11/00

IPC 8 full level

B05B 11/00 (2006.01); **B65D 47/34** (2006.01)

CPC (source: EP US)

B05B 11/026 (2023.01 - EP US); **B05B 11/1023** (2023.01 - EP US); **B05B 11/1047** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US); **B05B 11/1067** (2023.01 - EP US)

Cited by

EP1308395A4; FR3021881A1; DE102005049531A1; FR2796050A1; FR2906577A1; FR2905681A1; US6540116B1; DE102005049531B4; WO2015189489A1; WO0103850A1

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

EP 0769328 A1 19970423; **EP 0769328 B1 19991124**; DE 69605267 D1 19991230; DE 69605267 T2 20000713; ES 2141453 T3 20000316; FR 2740114 A1 19970425; FR 2740114 B1 19980102; US 5813571 A 19980929

DOCDB simple family (application)

EP 96402215 A 19961016; DE 69605267 T 19961016; ES 96402215 T 19961016; FR 9512300 A 19951019; US 73018696 A 19961015