

Title (en)
NON-VENTED LIQUID PRODUCT DISPENSER

Title (de)
UNBELÜFTETER FLÜSSIGKEITSSPENDER

Title (fr)
DISPOSITIF POUR LA DISTRIBUTION DE PRODUITS LIQUIDES SANS REPRISE D'AIR

Publication
EP 1751020 A1 20070214 (FR)

Application
EP 05763724 A 20050428

Priority
• FR 2005001060 W 20050428
• FR 0405452 A 20040519

Abstract (en)
[origin: US7780045B2] The invention relates to a device which is used for the non-vented dispensing of liquid products from a container including a mobile base, an exhaust conduit and a push element which co-operates with a piston and a return spring. The invention is characterized in that the device includes a sealing and dosing bush bearing a sealing needle valve which can move in translation in a discharge channel in the bush, the needle valve being connected by means of a drive link to an axial guide rod which can slide in the exhaust conduit of the container that is connected to the channel by pressing on the bush and compressing the spring.

IPC 8 full level
B65D 47/24 (2006.01); **B05B 11/00** (2006.01)

CPC (source: EP KR US)
B05B 11/00 (2013.01 - KR); **B05B 11/1004** (2023.01 - EP US); **B05B 11/1094** (2023.01 - EP US); **B65D 47/24** (2013.01 - KR); **B65D 47/243** (2013.01 - EP US); **B65D 47/249** (2013.01 - EP US); **B05B 11/1053** (2023.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2870525 A1 20051125; FR 2870525 B1 20060623; AT E402086 T1 20080815; AU 2005254280 A1 20051229; BR PI0510209 A 20071016; BR PI0510209 B1 20180313; CA 2565273 A1 20051229; CN 100509578 C 20090708; CN 1953909 A 20070425; DE 602005008423 D1 20080904; EP 1751020 A1 20070214; EP 1751020 B1 20080723; ES 2311231 T3 20090201; JP 2007537942 A 20071227; KR 20070012717 A 20070126; MX PA06013400 A 20070301; RU 2006140471 A 20080627; US 2007084882 A1 20070419; US 7780045 B2 20100824; WO 2005123529 A1 20051229

DOCDB simple family (application)
FR 0405452 A 20040519; AT 05763724 T 20050428; AU 2005254280 A 20050428; BR PI0510209 A 20050428; CA 2565273 A 20050428; CN 200580015574 A 20050428; DE 602005008423 T 20050428; EP 05763724 A 20050428; ES 05763724 T 20050428; FR 2005001060 W 20050428; JP 2007517327 A 20050428; KR 20067024118 A 20061117; MX PA06013400 A 20050428; RU 2006140471 A 20050428; US 56122706 A 20061117