

Title (en)

PRODUCT DISTRIBUTOR COMPRISING A PUMP OPERATED BY A PLUNGER

Title (de)

ABGABEVORRICHTUNG MIT EINER DRUCKBETÄTIGBAREN PUMPE

Title (fr)

DISTRIBUTEUR DE PRODUIT COMPRENANT UNE POMPE MISE EN OEUVRE PAR UN PISTON

Publication

**EP 1606192 A1 20051221 (FR)**

Application

**EP 04722848 A 20040324**

Priority

- EP 2004003116 W 20040324
- FR 0303755 A 20030327

Abstract (en)

[origin: US2006065675A1] The dispenser comprises a reservoir and a pump that is activated by a tappet, comprising a pump body that includes a tubular part with a smaller gauge than that of the reservoir, covering the piston, and an annular spacer by means of which it is tightly mounted against the inner wall of the reservoir such as to define an annular chamber for the product, which communicates with a dosage chamber located in the bottom of the reservoir.

IPC 1-7

**B65D 83/00**; **B05B 11/00**

IPC 8 full level

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

CPC (source: EP US)

**B05B 11/1026** (2023.01 - EP US); **B05B 11/107** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US)

Citation (search report)

See references of WO 2004085286A1

Cited by

CN102026735A; EP2236213A2; DE102009017459A1; US8348096B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2006065675 A1 20060330**; **US 7243821 B2 20070717**; AT E375937 T1 20071115; BR PI0409025 A 20060328; CA 2519525 A1 20041007; CN 1767987 A 20060503; DE 602004009551 D1 20071129; DE 602004009551 T2 20080731; EP 1606192 A1 20051221; EP 1606192 B1 20071017; ES 2294484 T3 20080401; FR 2852934 A1 20041001; FR 2852934 B1 20051223; JP 2006521247 A 20060921; MX PA05010153 A 20051116; WO 2004085286 A1 20041007; WO 2004085286 A8 20060119

DOCDB simple family (application)

**US 23638705 A 20050927**; AT 04722848 T 20040324; BR PI0409025 A 20040324; CA 2519525 A 20040324; CN 200480008424 A 20040324; DE 602004009551 T 20040324; EP 04722848 A 20040324; EP 2004003116 W 20040324; ES 04722848 T 20040324; FR 0303755 A 20030327; JP 2006504842 A 20040324; MX PA05010153 A 20040324