

Title (en)

IMPROVED PUMP FOR AN AIRLESS-RESERVOIR DISTRIBUTOR

Title (de)

VERBESSERTE PUMPE FÜR EINEN VERTEILER MIT LUFTLOSEM BEHÄLTER

Title (fr)

AMELIORATION D'UNE POMPE POUR DISTRIBUTEUR A RESERVOIR SANS AIR

Publication

**EP 2300171 A1 20110330 (FR)**

Application

**EP 08874377 A 20080520**

Priority

FR 2008000693 W 20080520

Abstract (en)

[origin: WO2009141511A1] The invention relates to an improved pumping device which provides good sealing with a reduced number of components, owing in particular to the use of a valve including at least: a rigid retaining ring (52) clamped in a cylindrical portion (45) extending from a bellows (44); a flexible resilient diaphragm connected at the periphery thereof to the retaining ring and including a domed part (51) curved towards the outside of the pumping chamber (3), said domed part having a slot (F) that divides the domed part into several portions; and a sleeve (534) extending from the ring outside the pumping chamber and coming into sealed contact around a hollow member (65) inside which an outlet duct (61) opens into a distribution port (611), the aforementioned portions of the domed part moving apart during expulsion and moving back together during suction.

IPC 8 full level

**B05B 11/02** (2006.01)

CPC (source: EP)

**B05B 11/007** (2013.01); **B05B 11/0075** (2013.01); **B05B 11/028** (2023.01); **B05B 11/1035** (2023.01)

Citation (search report)

See references of WO 2009141511A1

Cited by

WO2023012238A1; IT202100020864A1

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DOCDB simple family (publication)

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