

Title (en)

Dosing pump and method for manufacturing the same

Title (de)

Dosierpumpenanordnung und Verfahren zu ihrer Herstellung

Title (fr)

Pompe de dosage et son procédé de fabrication

Publication

EP 1588772 A3 20071010 (DE)

Application

EP 05008625 A 20050420

Priority

DE 102004020152 A 20040424

Abstract (en)

[origin: EP1588772A2] The dosing pump assembly for pharmaceutical or cosmetic substances has the manually-operated pump installed in a variable volume container (2). The pump cylinder (4) has a non-return inlet valve (6) with a spring-loaded ball (6a). A spring (8) forcing a piston (5) with a central passage (9) upward toward a non-return outlet valve (7) with a spring-loaded (7b) ball (7a). There is a release channel (11) with a valve (12) for removal of air from the container. A suction cap (13), with a spring-loaded (14) stamp (16) inside it, is fitted over the valve.

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: EP US)

B05B 11/0097 (2013.01 - EP US); **B05B 11/026** (2023.01 - EP US)

Citation (search report)

- [X] EP 0628355 A1 19941214 - OREAL [FR]
- [A] GB 2358388 A 20010725 - CORTHERM LTD [GB]

Cited by

EP1717159A3; DE102007001777A1

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

Designated extension state (EPC)

AL BA HR LV MK YU

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EP 05008625 A 20050420; AT 05008625 T 20050420; CN 200510066266 A 20050425; DE 102004020152 A 20040424; DE 502005010095 T 20050420; ES 05008625 T 20050420; US 11344805 A 20050422