

Title (en)

DEVICE FOR DISPENSING A DOSE OF LIQUID OR GEL PRODUCTS

Title (de)

VORRICHTUNG ZUR DOSIERTEN ABGABE VON FLÜSSIGEN ODER GELFÖRMIGEN MEDIEN

Title (fr)

DISPOSITIF POUR LE DOSAGE DE PRODUITS LIQUIDES OU EN GEL

Publication

EP 1379442 A1 20040114 (FR)

Application

EP 02727678 A 20020419

Priority

- FR 0201345 W 20020419
- FR 0105367 A 20010420

Abstract (en)

[origin: WO02085732A1] The invention concerns a device for dispensing a dose of liquid or gel products comprising a dispensing head (1) axially mobile mounted on a product reservoir and provided with an outlet conduit (11) and a metering chamber (20) delimited by an intake valve (22) and by a piston (3) whereof the rod (31) is connected to said head (1) and which is equipped with an exhaust valve (32). The invention is characterised in that the rod (31) of the piston (3) extends inside the chamber (20) through a projecting lower end (31a) providing sealed locking of the intake valve (22) when the head (1) is in low position.

IPC 1-7

B65D 47/34; B05B 11/00

IPC 8 full level

B65D 83/76 (2006.01); **B05B 11/00** (2006.01); **B65D 47/34** (2006.01)

CPC (source: EP US)

B05B 11/1001 (2023.01 - EP US); **B05B 11/106** (2023.01 - EP US)

Citation (search report)

See references of WO 02085732A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02085732 A1 20021031; AT E329849 T1 20060715; BR 0209019 A 20040713; CA 2445036 A1 20021031; CA 2445036 C 20070911; CN 1274560 C 20060913; CN 1503753 A 20040609; DE 60212360 D1 20060727; DE 60212360 T2 20070614; EP 1379442 A1 20040114; EP 1379442 B1 20060614; FR 2823845 A1 20021025; FR 2823845 B1 20031031; JP 2005506249 A 20050303; MX PA03009533 A 20041206; US 2004134935 A1 20040715; US 6866167 B2 20050315

DOCDB simple family (application)

FR 0201345 W 20020419; AT 02727678 T 20020419; BR 0209019 A 20020419; CA 2445036 A 20020419; CN 02808234 A 20020419; DE 60212360 T 20020419; EP 02727678 A 20020419; FR 0105367 A 20010420; JP 2002583272 A 20020419; MX PA03009533 A 20020419; US 68902003 A 20031020