

Title (en)

Dosing dispenser for flowable media with a hand-operated pump incorporated in the container

Title (de)

Dosierspender für fließfähige Medien mit einer in einem Medienbehälter integrierten, handbetätigbaren Pumpe

Title (fr)

Distributeur-doseur de produit fluide avec une pompe à main intégrée dans le récipient

Publication

EP 1199106 B1 20040630 (DE)

Application

EP 00122808 A 20001019

Priority

EP 00122808 A 20001019

Abstract (en)

[origin: EP1199106A1] The applicator to give a dosed delivery of a flowable medium, with an integrated hand pump, has a piston (140) which is out of the piston chamber (130) when in the upper position. When the piston is pushed into the lower position, it passes through the piston chamber and blocks the neighboring inner zone (180) of the container (110). A spring (160) returns the piston to the upper position. A seal (123) closes the opening of the connecting channel (150) when the piston is in the upper position.

IPC 1-7

B05B 11/00

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: EP US)

B05B 11/0078 (2013.01 - EP US); **B05B 11/1001** (2023.01 - EP US); **B05B 11/1004** (2023.01 - EP US); **B05B 11/107** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US)

Cited by

CN112377392A; EP2236213A3; FR2854821A1; CN1310806C; EP1477234A3; EP2827937A4; US8348096B2; US6948639B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1199106 A1 20020424; **EP 1199106 B1 20040630**; AT E270155 T1 20040715; DE 50006973 D1 20040805; US 2002047027 A1 20020425; US 6405905 B1 20020618

DOCDB simple family (application)

EP 00122808 A 20001019; AT 00122808 T 20001019; DE 50006973 T 20001019; US 98264201 A 20011018