

Title (en)

Dispensing valve and dispenser provided with this valve

Title (de)

Abgabeventil und mit diesem versehener Spender

Title (fr)

Valve de distribution et récipient distributeur équipé d'une telle valve

Publication

EP 0709305 B1 19971015 (FR)

Application

EP 95402039 A 19950908

Priority

FR 9411741 A 19940930

Abstract (en)

[origin: EP0709305A1] The valve comprises a chamber (5) having a product suction orifice (6). A jet (7), having first (8) and second (9) cylindrical portions defining an annular stop (10), slides in the chamber. An ejection channel (11a, 11b) communicates the chamber interior with the jet outside. The jet is moved in a sealing joint (12) by a return spring (13) to a first position where the channel is closed and the stop engages with the joint. A second orifice (14) takes the gas propellant into the chamber. An annular joint (15) seals, in the closed position, the second orifice and separates the chamber into first (A) and second (B) compartments. During partial insertion of the jet communication is established between the second orifice and the outside and propellant gas passes to the outside via the first compartment and the jet channel. A longitudinal and/or circular groove (C, 31) in the chamber internal wall, inoperative in the jet first and second positions, operates during maximum jet insertion, putting both compartments in communication.

IPC 1-7

B65D 83/34

IPC 8 full level

B05B 9/047 (2006.01); **B65D 83/14** (2006.01); **B65D 83/44** (2006.01)

CPC (source: EP US)

B05B 7/1209 (2013.01 - EP US); **B05B 7/1245** (2013.01 - EP US); **B65D 83/34** (2013.01 - EP US); **B05B 7/0483** (2013.01 - EP US); **B05B 15/55** (2018.01 - EP US)

Cited by

EP1256526A1; FR2824539A1; EP1111241A1; US6920904B2; FR2804666A1; EP1132318A1; US6520377B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

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FR 9411741 A 19940930; BR 9504755 A 19950929; CA 2159575 A 19950929; DE 69500880 T 19950908; EP 95402039 A 19950908; ES 95402039 T 19950908; JP 25325195 A 19950929; US 53828495 A 19951002