

Title (en)

Pump for dispensing a liquid contained in a bottle

Title (de)

Sprühpumpe für eine Flüssigkeit in einem Flakon

Title (fr)

Pompe de distribution d'un liquide contenu dans un flacon

Publication

EP 2052786 B1 20120606 (FR)

Application

EP 08290937 A 20081006

Priority

FR 0707430 A 20071023

Abstract (en)

[origin: EP2052786A1] The pump has a frame (2) connected to a bottle and comprising an orifice (3) that communicates with a liquid product contained in the bottle. A needle valve (25) closes a liquid ejecting orifice (9) of an actuator (8), and is separated from a dosing sleeve (11) by a reversible displacement device. A dosing piston (16) having a liquid dispensing channel (17) is mounted in the frame. The displacement device displaces the valve between closing and ejecting positions, and is actuated by interference between the sleeve and the piston during displacement of the actuator on the frame.

IPC 8 full level

B05B 11/00 (2006.01); **B65D 47/24** (2006.01)

CPC (source: EP US)

B05B 11/1004 (2023.01 - EP US); **B05B 11/1053** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US); **B05B 11/1094** (2023.01 - EP US)

Cited by

BE1021429B1; GB2522817A; GB2522817B; US10113541B2; US9206797B2; WO2014083007A1; EP2667976B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2052786 A1 20090429; EP 2052786 B1 20120606; BR PI0804528 A2 20090630; CN 101417270 A 20090429; CN 101417270 B 20130605; ES 2388947 T3 20121022; FR 2922528 A1 20090424; FR 2922528 B1 20100326; US 2009101677 A1 20090423; US 8028862 B2 20111004

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EP 08290937 A 20081006; BR PI0804528 A 20081023; CN 200810170091 A 20081022; ES 08290937 T 20081006; FR 0707430 A 20071023; US 25618808 A 20081022