

Title (en)

Air pump device for a fluid dispenser

Title (de)

Luftpumpe für einen Medienspender

Title (fr)

Pompe à air pour un distributeur de fluide

Publication

EP 1818108 A1 20070815 (EN)

Application

EP 06001838 A 20060130

Priority

EP 06001838 A 20060130

Abstract (en)

A pump device (10) for fluid dispensers is provided whose chamber (62) is partitioned into a pressure room (621) and a fluid room (622). A piston element (4) is engaged inside the pressure room by an actuating rod (2) to push the piston element downward, or by a resilient element (5) beneath the piston element to restore the piston element back to the top. An air valve element (42) at the bottom of the piston element automatically opens or closes the induction of air to the pressure room when the piston element is moved upward or downward. The fluid room is dedicated to the passage of the fluid. A normally closed fluid valve element (7) is provided at the bottom of the fluid room. When the fluid in the container device is pressurized, the fluid pushes open the fluid valve element, flows into the fluid room and then out of the spout (61) of the pump device.

IPC 8 full level

B05B 11/00 (2006.01); **B05B 11/04** (2006.01)

CPC (source: EP)

B05B 11/0029 (2013.01); **B05B 11/02** (2013.01); **B05B 11/061** (2013.01); **B05B 11/026** (2023.01); **B05B 11/106** (2023.01)

Citation (search report)

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