

Title (en)

Dispensing device for delivering fluid comprising a dosing chamber and a slide valve assembly

Title (de)

Flüssigkeitsabgabevorrichtung mit Dosierkammer und Schieberventil

Title (fr)

Dispositif de distribution de liquide avec chambre de dosage et assemblage de soupape à tiroir

Publication

**EP 1709945 A1 20061011 (EN)**

Application

**EP 05102808 A 20050408**

Priority

EP 05102808 A 20050408

Abstract (en)

The present invention provides a dispensing device (10) for applying fluid comprising a pressurized reservoir (14) equipped with a dosing module (20) having at least one dosing chamber (42) which is able to communicate with the reservoir and with a nozzle (50,52) provided for dispensing a dose of fluid, characterized in that the dosing chamber comprises a moving and/or deformable member (60) which delimits at least a first and a second compartments of variable volume, each compartment having an inlet (46,48) and an outlet (50,52) associated with valve means, wherein valve means are controlled according to a first configuration in which the inlet (46) of the first compartment and the outlet (52) of the second compartment are open while the other inlet (48) and outlet (50) being closed, and according to a second configuration in which the inlet (48) of the second compartment and the outlet (50) of the first compartment are open while the other inlet (46) and outlet (52) being closed.

IPC 8 full level

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CPC (source: EP)

**B05B 9/0838** (2013.01); **B05B 11/02** (2013.01); **B05B 1/14** (2013.01)

Citation (search report)

- [DA] WO 9812511 A2 19980326 - BOOTS CO PLC [GB], et al
- [A] US 5944702 A 19990831 - PY DANIEL [US]
- [A] US 5361944 A 19941108 - HAUF ERIC [CH], et al
- [A] EP 1385779 A1 20040204 - COHEN BEN Z [US]

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