

Title (en)

DISPENSING MEMBER WITH OUTLET VALVE FORMED BY A DIFFERENTIAL PISTON

Title (de)

ABGABEVORRICHTUNG MIT EINEM DURCH EINEM DIFFERENTIALKOLBEN GEBILDETES AUSLASSVENTIL

Title (fr)

ORGANE DE DISTRIBUTION A CLAPET DE SORTIE FORME PAR UN PISTON DIFFERENTIEL

Publication

**EP 1268083 A1 20030102 (FR)**

Application

**EP 01907797 A 20010214**

Priority

- FR 0100437 W 20010214
- FR 0003533 A 20000320

Abstract (en)

[origin: US2001022309A1] A fluid-dispensing member comprising: a body defining a chamber; an actuating rod provided with a pusher; a piston mounted on the actuating rod to slide in leaktight manner in the chamber; an inlet valve; and an outlet valve; wherein the outlet valve comprises a differential piston that can be moved under the action of the pressure exerted on the fluid by the piston against the action of a spring which abuts at one end against the differential piston, and at its other end against the pusher.

IPC 1-7

**B05B 11/00**

IPC 8 full level

**B65D 83/00** (2006.01); **B05B 11/00** (2006.01)

CPC (source: EP US)

**B05B 11/1015** (2023.01 - EP US); **B05B 11/1022** (2023.01 - EP US); **B05B 11/104** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US)

Citation (search report)

See references of WO 0170412A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**US 2001022309 A1 20010920**; **US 6371337 B2 20020416**; BR 0109431 A 20021210; CN 1171686 C 20041020; CN 1424943 A 20030618; DE 60113516 D1 20051027; DE 60113516 T2 20060614; EP 1268083 A1 20030102; EP 1268083 B1 20050921; ES 2250357 T3 20060416; FR 2806330 A1 20010921; FR 2806330 B1 20021025; JP 2004511324 A 20040415; WO 0170412 A1 20010927

DOCDB simple family (application)

**US 80987701 A 20010316**; BR 0109431 A 20010214; CN 01808352 A 20010214; DE 60113516 T 20010214; EP 01907797 A 20010214; ES 01907797 T 20010214; FR 0003533 A 20000320; FR 0100437 W 20010214; JP 2001568596 A 20010214