

Title (en)

TWO-PHASE DISPENSING DEVICE

Title (de)

AUSGABEVORRICHTUNG FÜR ZWEI MEDIEN IN UNTERSCHIEDLICHEN PHASEN

Title (fr)

DISPOSITIF DE DISTRIBUTION BIPHASIQUE

Publication

EP 1173288 B1 20030702 (FR)

Application

EP 00920838 A 20000419

Priority

- FR 0001018 W 20000419
- FR 9905118 A 19990422

Abstract (en)

[origin: FR2792553A1] The fluid foam or spray dispenser has a pump housing (10) with an inlet valve (12). An actuating rod is axially movable in the housing. A free piston is slidable in the housing and is mounted on the rod (2) to form an outlet valve.

IPC 1-7

B05B 11/00; **B05B 7/00**

IPC 8 full level

B65D 83/76 (2006.01); **B05B 7/00** (2006.01); **B05B 11/00** (2006.01)

CPC (source: EP US)

B05B 7/0031 (2013.01 - EP US); **B05B 11/1023** (2023.01 - EP US); **B05B 11/1087** (2023.01 - EP US)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

FR 2792553 A1 20001027; **FR 2792553 B1 20020419**; DE 60003665 D1 20030807; DE 60003665 T2 20040609; EP 1173288 A1 20020123; EP 1173288 B1 20030702; ES 2200863 T3 20040316; JP 2002542124 A 20021210; US 6398079 B1 20020604; WO 0064593 A1 20001102

DOCDB simple family (application)

FR 9905118 A 19990422; DE 60003665 T 20000419; EP 00920838 A 20000419; ES 00920838 T 20000419; FR 0001018 W 20000419; JP 2000613577 A 20000419; US 95915101 A 20011018