

Title (en)  
TWO-PHASE DISPENSING DEVICE

Title (de)  
AUSGABEVORRICHTUNG FÜR ZWEI MEDIEN IN UNTERSCHIEDLICHEN PHASEN

Title (fr)  
DISPOSITIF DE DISTRIBUTION BIPHASIQUE

Publication  
**EP 1173288 A1 20020123 (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 slidale 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)

Citation (search report)  
See references of WO 0064593A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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