

Title (en)  
FLUID PRODUCT DISPENSING DEVICE

Title (de)  
SPENDER FÜR EIN FLÜSSIGPRODUKT

Title (fr)  
DISPOSITIF DE DISTRIBUTION DE PRODUIT FLUIDE

Publication  
**EP 2069077 B1 20100721 (FR)**

Application  
**EP 07848349 A 20070920**

Priority  
• FR 2007051977 W 20070920  
• FR 0653967 A 20060927

Abstract (en)  
[origin: US2008073380A1] A liquid dispenser device for being associated with a liquid reservoir, said device comprising: a chamber ( 10 ) provided with an inlet valve ( 5, 15 ), an outlet valve ( 27, 32 ), and a piston ( 3 ) that is suitable for varying the volume of the chamber ( 10 ); a liquid dispenser orifice ( 25 ); and a pusher ( 2 ) that is axially displaceable down and up between a rest position and a depressed position; the dispenser device being characterized in that the piston ( 3 ) includes an elastically-deformable portion ( 31 ) that is deformed by the pusher ( 2 ) in its depressed position, in such a manner as to open the outlet valve.

IPC 8 full level  
**B05B 11/00** (2006.01); **B67D 7/58** (2010.01)

CPC (source: EP US)  
**B05B 11/1016** (2023.01 - EP US); **B05B 11/1061** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US); **B05B 11/1067** (2023.01 - EP US)

Citation (examination)  
WO 2004071673 A1 20040826 - WORDON GMBH [CH], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2906233 A1 20080328; FR 2906233 B1 20110211**; AT E474671 T1 20100815; BR PI0717543 A2 20131022; CN 101534958 A 20090916; CN 101534958 B 20120613; DE 602007007971 D1 20100902; EP 2069077 A1 20090617; EP 2069077 B1 20100721; ES 2348798 T3 20101214; US 2008073380 A1 20080327; US 7770759 B2 20100810; WO 2008037910 A1 20080403; WO 2008037910 A8 20090507

DOCDB simple family (application)  
**FR 0653967 A 20060927**; AT 07848349 T 20070920; BR PI0717543 A 20070920; CN 200780041130 A 20070920; DE 602007007971 T 20070920; EP 07848349 A 20070920; ES 07848349 T 20070920; FR 2007051977 W 20070920; US 90501907 A 20070927