

Title (en)
PUMP LIQUID PRODUCT DISPENSER

Title (de)
SPENDER FÜR FLIESSFÄHIGE MEDIEN MIT EINER PUMPE

Title (fr)
DISTRIBUTEUR DE PRODUIT LIQUIDE A POMPE

Publication
EP 1472007 B1 20071114 (FR)

Application
EP 03712293 A 20030205

Priority
• FR 0300344 W 20030205
• FR 0201432 A 20020206

Abstract (en)
[origin: WO03066235A1] The invention concerns a liquid product dispenser comprising a reservoir and a pump. The invention is characterized in that the pump body (2) comprises an outer portion (16) forming a sealing closure between the pump body and the reservoir nozzle and the pump body includes an annular projection (23) extending inwards, moulded in one single piece, while the piston includes an annular stop (34) co-operating with the annular projection to define a released position of the piston.

IPC 8 full level
B05B 11/00 (2006.01); **B65D 83/76** (2006.01)

CPC (source: EP US)
B05B 11/0013 (2013.01 - EP US); **B05B 11/1018** (2023.01 - EP US); **B05B 11/1047** (2023.01 - EP US); **B05B 11/106** (2023.01 - EP US); **B05B 11/107** (2023.01 - EP US); **B05B 1/341** (2013.01 - EP US)

Cited by
WO2011045200A2; EP2314270A2

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

DOCDB simple family (publication)
WO 03066235 A1 20030814; AT E378114 T1 20071115; AT E380600 T1 20071215; AU 2003216972 A1 20030902;
AU 2003222332 A1 20030902; BR 0307384 A 20041109; BR 0307538 A 20041221; CA 2475049 A1 20030814; CA 2475369 A1 20030814;
CN 1287908 C 20061206; CN 1299835 C 20070214; CN 1625443 A 20050608; CN 1627997 A 20050615; DE 60317463 D1 20071227;
DE 60318019 D1 20080124; EP 1472007 A1 20041103; EP 1472007 B1 20071114; EP 1483056 A1 20041208; EP 1483056 B1 20071212;
ES 2297139 T3 20080501; ES 2297149 T3 20080501; FR 2835513 A1 20030808; FR 2835513 B1 20040806; JP 2005516758 A 20050609;
JP 2005521545 A 20050721; MX PA04007601 A 20041110; MX PA04007715 A 20041110; US 2005167452 A1 20050804;
US 2006060608 A1 20060323; US 7467732 B2 20081223; WO 03066234 A1 20030814

DOCDB simple family (application)
FR 0300344 W 20030205; AT 03712293 T 20030205; AT 03717345 T 20030120; AU 2003216972 A 20030205; AU 2003222332 A 20030120;
BR 0307384 A 20030120; BR 0307538 A 20030205; CA 2475049 A 20030120; CA 2475369 A 20030205; CN 03803042 A 20030205;
CN 03803213 A 20030120; DE 60317463 T 20030205; DE 60318019 T 20030120; EP 03712293 A 20030205; EP 03717345 A 20030120;
ES 03712293 T 20030205; ES 03717345 T 20030120; FR 0201432 A 20020206; FR 0300163 W 20030120; JP 2003565652 A 20030120;
JP 2003565653 A 20030205; MX PA04007601 A 20030120; MX PA04007715 A 20030205; US 50348905 A 20050810; US 50352605 A 20050325