

Title (en)
LIQUID SPRAYER

Title (de)
FLÜSSIGKEITSSPRÜHGERÄT

Title (fr)
PULVERISATEUR DE LIQUIDE

Publication
EP 1100625 A1 20010523 (FR)

Application
EP 99934822 A 19990730

Priority
• FR 9901890 W 19990730
• FR 9809853 A 19980731

Abstract (en)
[origin: US6419124B1] A liquid dispenser of the type comprising a tank (R) fitted with liquid extractor means (P) suitable for being actuated by axial displacement of the tank relative to a delivery tube (T) having a portion that projects outwards, the dispenser being characterized in that it comprises firstly a discharge duct (1) connected in leakproof manner to the outer portion of the delivery tube (T) and passing through an endpiece (2) connected rigidly to a housing (B) containing the tank (R), and secondly at least one side knob (11, 12) engaging the tank or the delivery tube and carrying a cam (110, 120) designed to co-operate in sliding contact with at least one sloping wall (21, 22) secured to said endpiece (2) in such a manner that substantially radial thrust on said knob (11, 12) is transformed into axial displacement of the tube (T) relative to the tank (R), thereby causing the liquid to be dispensed.

IPC 1-7
B05B 11/00; **B65D 83/14**

IPC 8 full level
B65D 83/76 (2006.01); **B05B 11/00** (2006.01); **B65D 83/14** (2006.01)

CPC (source: EP US)
B05B 11/0038 (2018.08 - EP US); **B05B 11/1052** (2023.01 - EP US); **B65D 83/386** (2013.01 - EP US); **B05B 11/1001** (2023.01 - EP US); **B05B 11/1015** (2023.01 - EP US)

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)
US 6419124 B1 20020716; AT E257747 T1 20040115; AU 5047199 A 20000228; BR 9912679 A 20010605; CA 2339151 A1 20000217; CA 2339151 C 20091215; CN 1095696 C 20021211; CN 1315884 A 20011003; DE 69914204 D1 20040219; DE 69914204 T2 20050217; DK 1100625 T3 20040517; EP 1100625 A1 20010523; EP 1100625 B1 20040114; ES 2215393 T3 20041001; FR 2781772 A1 20000204; FR 2781772 B1 20001013; HK 1039759 A1 20020510; HK 1039759 B 20030718; JP 2002522208 A 20020723; JP 4201985 B2 20081224; MX PA01001126 A 20020424; PT 1100625 E 20040630; WO 0007740 A1 20000217

DOCDB simple family (application)
US 74424301 A 20010130; AT 99934822 T 19990730; AU 5047199 A 19990730; BR 9912679 A 19990730; CA 2339151 A 19990730; CN 99810359 A 19990730; DE 69914204 T 19990730; DK 99934822 T 19990730; EP 99934822 A 19990730; ES 99934822 T 19990730; FR 9809853 A 19980731; FR 9901890 W 19990730; HK 02101320 A 20020222; JP 2000563410 A 19990730; MX PA01001126 A 19990730; PT 99934822 T 19990730