

Title (en)

Plastic dispenser with a pump

Title (de)

Mit einer Pumpe ausgestatteter Kunststoffspender

Title (fr)

Flacon en matière synthétique équipé d'une pompe

Publication

EP 1671705 B1 20100127 (FR)

Application

EP 05356215 A 20051214

Priority

FR 0413509 A 20041217

Abstract (en)

[origin: EP1671705A1] The dispenser has a hollow body (2) containing liquid (31), and a hoop (20) with a socket (21) fit in a spray pump (11). A neck (9) has a socket (10) whose end is surrounded by a cylindrical crown (13) in which vent holes (14) are arranged. Air and the liquid expelled by the holes are retained in a recuperation chamber delimited by an inner and outer skirt (24, 23) of the hoop and the neck, during insertion of the pump in the body.

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: EP)

B05B 11/028 (2023.01); **B05B 11/1047** (2023.01)

Cited by

EP2133153A1; EP2095882A1; FR2922534A1; CN107173969A; CN102114935A; FR2932171A1; FR2926798A1; JP2019135172A; CN111655067A; AU2010204624B2; EP2409775A3; EP2689858A1; FR2993868A1; EP2153908A1; EP2353727A1; ITMI20081462A1; AU2011200143B2; FR2927889A1; FR2931462A1; EP2324929A1; US8556130B2; US11224888B2; WO2009056736A1; US8434645B2; US8939323B2; US9010584B2; US8528795B2; US9433960B2; WO2010083419A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1671705 A1 20060621; **EP 1671705 B1 20100127**; AT E456404 T1 20100215; DE 602005019130 D1 20100318; FR 2879567 A1 20060623; FR 2879567 B1 20070126

DOCDB simple family (application)

EP 05356215 A 20051214; AT 05356215 T 20051214; DE 602005019130 T 20051214; FR 0413509 A 20041217