

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

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

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