

Title (en)
Refillable foam pump

Title (de)
Nachfüllbare Schaum-Pumpe

Title (fr)
Pompe à mousse rechargeable

Publication
EP 1714707 B1 20120516 (FR)

Application
EP 06290460 A 20060322

Priority
FR 0503972 A 20050420

Abstract (en)
[origin: EP1714707A2] The pump has a deformable bottle (1), sealed by a nozzle (2), containing a liquid with a foaming agent. The nozzle has a distribution orifice (11) communicating with an outlet passage including sieving grids (7a, 7b). The passage communicates with a membrane (4) and with a mixer (6) having a variable flow rate. The mixer opens through a dip tube dipping in the liquid. The membrane is closed when the bottle is deformed, due to the pressure exerted by a user, to drive out the liquid through the mixer. The membrane is opened to allow air to enter into the bottle when it takes its initial shape.

IPC 8 full level
B05B 11/04 (2006.01); **B05B 7/00** (2006.01)

CPC (source: EP)
B05B 7/0031 (2013.01); **B05B 7/0037** (2013.01); **B05B 11/043** (2013.01)

Cited by
CN105750159A; NL2009219C2; WO2014017904A1

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 1714707 A2 20061025; EP 1714707 A3 20090603; EP 1714707 B1 20120516; FR 2884737 A1 20061027; FR 2884737 B1 20070803

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