

Title (en)

Adapting a dispenser to produce foam

Title (de)

Umrüstung einer Austragpumpe zum Schaumspender

Title (fr)

Dispositif d'adaption à la production de mousse

Publication

EP 1747815 A1 20070131 (FR)

Application

EP 06291209 A 20060726

Priority

FR 0507949 A 20050726

Abstract (en)

The device has a supply conduit (1) that is open at its ends in which one end is connected to an inlet (301) of a pumping chamber. A part of the conduit circulates below the level of a foaming liquid (10). The conduit is connected at the ends by keeping absolute separation between the interior and exterior of the conduit, except for a suction hole (103). The hole is provided in the conduit below the liquid level (11). The size of the hole is such that the liquid does not circulate via the hole, except during circulation of air in the conduit, at a speed greater than a preset speed.

IPC 8 full level

B05B 7/00 (2006.01); **B67D 7/76** (2010.01)

CPC (source: EP US)

A47K 5/14 (2013.01 - US); **B05B 7/0037** (2013.01 - EP US); **B05B 11/1023** (2023.01 - EP US); **B05B 11/1087** (2023.01 - EP US); **B05B 11/1098** (2023.01 - EP US)

Citation (search report)

- [A] US 3010613 A 19611128 - ERNEST STOSSEL
- [A] US 4932567 A 19900612 - TANABE YOSHIKAZU [JP], et al
- [A] US 5071379 A 19911210 - POIZOT FRANCIS [FR]
- [A] US 4596343 A 19860624 - FORD JR GEORGE W [US]

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1747815 A1 20070131; **EP 1747815 B1 20090218**; **EP 1747815 B8 20090422**; AT E422967 T1 20090315; DE 602006005196 D1 20090402; FR 2889263 A1 20070202; FR 2889263 B1 20071026; US 2007040048 A1 20070222; US 2014069959 A1 20140313; US 8590811 B2 20131126; US 9265385 B2 20160223

DOCDB simple family (application)

EP 06291209 A 20060726; AT 06291209 T 20060726; DE 602006005196 T 20060726; FR 0507949 A 20050726; US 201314082719 A 20131118; US 45980706 A 20060725