

Title (en)

Dispenser for discharging liquids comprising a perforated plate nozzle

Title (de)

Spender mit einer Lochplattendüse zum Austrag von Flüssigkeiten

Title (fr)

Distributeur de liquides comprenant buse à platine perforée

Publication

EP 2767346 A3 20141119 (DE)

Application

EP 14153198 A 20140130

Priority

DE 102013202531 A 20130216

Abstract (en)

[origin: EP2767346A2] The dispenser has a fluid reservoir, and a discharge head with a hole plate element (10), which has discharge openings (18) in discharge opening regions (16). The discharge opening region is attached in an edge region (12) at a discharge head. An antechamber is arranged in the discharge opening region and is formed as a curvature body in an accurate shape by pressing the force acting on the body in the discharge opening region.

IPC 8 full level

B05B 1/14 (2006.01); **B05B 1/16** (2006.01); **B05B 1/30** (2006.01); **B05B 11/00** (2006.01); **B65D 83/28** (2006.01)

CPC (source: EP US)

B05B 1/18 (2013.01 - EP US); **B05B 1/185** (2013.01 - US); **B05B 11/0064** (2013.01 - EP US); **B05B 11/0067** (2013.01 - EP US); **B65D 83/48** (2013.01 - US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102013202531 B3 20140528; EP 2767346 A2 20140820; EP 2767346 A3 20141119; EP 2767346 B1 20170823; US 10099229 B2 20181016; US 2014231540 A1 20140821; US 2016375448 A1 20161229; US 9463476 B2 20161011

DOCDB simple family (application)

DE 102013202531 A 20130216; EP 14153198 A 20140130; US 201414180452 A 20140214; US 201615259938 A 20160908