

Title (en)

PERFORATED PLATE WITH A REDUCED DIAMETER IN ONE OR BOTH EDGE REGIONS OF A ROW OF NOZZLES

Title (de)

LOCHPLATTE MIT REDUZIERTEM DURCHMESSER IN EINEM ODER BEIDEN RANDBEREICHEN EINER DÜSENREIHE

Title (fr)

PLAQUE PERFORÉE DE DIAMÈTRE RÉDUIT DANS UNE DES ZONES DE BORDURE, OU DANS LES DEUX, D'UNE RANGÉE DE BUSES

Publication

**EP 3402607 A1 20181121 (DE)**

Application

**EP 17704658 A 20170113**

Priority

- DE 102016000356 A 20160114
- EP 2017000037 W 20170113

Abstract (en)

[origin: WO2017121643A1] The invention relates to a perforated plate (1) for an application device for applying a fluid to a component, preferably to a motor vehicle body and/or to an add-on part for the latter. The perforated plate (1) comprises at least three through-holes (2.1, 3.1, 3.2, 3.3) for the passage of the fluid, wherein the through-holes (2.1, 3.1, 3.2, 3.3) of a row of nozzles are assigned to a central region (2) and to two edge regions (3a, 3b), wherein the at least one outermost through-hole (3.1) has, in at least one edge region (3a), at least one reference through-diameter (d, dl, d2) which is smaller than at least one reference through-diameter (d3) of at least one through-hole (2.1) in the central region (2). The invention also comprises an application device and an application method using such a perforated plate (1).

IPC 8 full level

**B05C 5/02** (2006.01); **B05B 1/14** (2006.01); **B05B 17/00** (2006.01)

CPC (source: EP KR US)

**B05B 1/14** (2013.01 - EP KR US); **B05B 17/0638** (2013.01 - EP US); **B05C 5/027** (2013.01 - EP KR US); **B05C 5/0291** (2013.01 - EP KR US)

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)

**WO 2017121643 A1 20170720**; CN 108698072 A 20181023; DE 102016000356 A1 20170720; EP 3402607 A1 20181121; JP 2019501770 A 20190124; JP 6927983 B2 20210901; KR 102637856 B1 20240219; KR 20180103079 A 20180918; MX 2018008623 A 20190515; US 11529645 B2 20221220; US 2019022689 A1 20190124

DOCDB simple family (application)

**EP 2017000037 W 20170113**; CN 201780013200 A 20170113; DE 102016000356 A 20160114; EP 17704658 A 20170113; JP 2018536725 A 20170113; KR 20187021799 A 20170113; MX 2018008623 A 20170113; US 201716069926 A 20170113