

Title (en)

NOZZLE DEVICE HAVING AT LEAST TWO NOZZLE PLATES AND AT LEAST THREE OPENINGS

Title (de)

DÜSENVORRICHTUNG MIT ZUMINDEST ZWEI DÜSENPLATTEN UND ZUMINDEST DREI ÖFFNUNGEN

Title (fr)

DISPOSITIF À BUSES COMPRENANT AU MOINS DEUX PLAQUES À BUSES ET AU MOINS TROIS OUVERTURES

Publication

EP 3548191 A1 20191009 (DE)

Application

EP 17816557 A 20171129

Priority

- DE 102016014269 A 20161130
- EP 2017080803 W 20171129

Abstract (en)

[origin: WO2018099960A1] The invention relates to a nozzle device (1) for emitting at least one emission medium onto a component (100), preferably onto a seam, edge or transition joint of said component (100). The present nozzle device (1) comprises at least two adjacent nozzle plates (10, 20, 30), a first nozzle plate (10) comprising at least one opening (1.1, 1.2) for emitting at least one emission jet (S1.1, S1.2), and a second nozzle plate (20) comprising at least two openings (2.1, 2.2, 2.3) for emitting at least two emission jets (S2.1, S2.2, S2.3, S2.3).

IPC 8 full level

B05C 5/02 (2006.01); **B05B 1/04** (2006.01); **B05B 1/14** (2006.01); **B05B 7/08** (2006.01)

CPC (source: EP US)

B05B 1/044 (2013.01 - US); **B05B 1/14** (2013.01 - US); **B05B 7/0846** (2013.01 - US); **B05C 5/0204** (2013.01 - EP US); **B05C 5/0216** (2013.01 - EP US); **B05C 5/0254** (2013.01 - EP US); **B05C 5/027** (2013.01 - EP); **B05C 5/0279** (2013.01 - EP US); **B05B 1/044** (2013.01 - EP); **B05B 1/14** (2013.01 - EP); **B05B 7/0846** (2013.01 - EP)

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 102016014269 A1 20180530; CN 110022989 A 20190716; CN 110022989 B 20220531; EP 3548191 A1 20191009; EP 3548191 B1 20230816; ES 2961945 T3 20240314; HU E063588 T2 20240128; MX 2019005991 A 20190708; US 11583869 B2 20230221; US 2020179956 A1 20200611; WO 2018099960 A1 20180607

DOCDB simple family (application)

DE 102016014269 A 20161130; CN 201780074227 A 20171129; EP 17816557 A 20171129; EP 2017080803 W 20171129; ES 17816557 T 20171129; HU E17816557 A 20171129; MX 2019005991 A 20171129; US 201716349300 A 20171129