

Title (en)

PAINT NOZZLE FOR A BELL CUP OF A ROTARY ATOMIZER

Title (de)

FARBDÜSE FÜR EINEN GLOCKENTELLER EINES ROTATIONSZERSTÄUBERS

Title (fr)

BUSE DE PEINTURE POUR UNE CLOCHE D'UN PULVÉRISATEUR ROTATIF

Publication

**EP 2464459 B1 20160518 (DE)**

Application

**EP 10740554 A 20100802**

Priority

- DE 102009037604 A 20090814
- EP 2010004714 W 20100802

Abstract (en)

[origin: WO2011018169A1] The invention relates to an ink jet (5) that may be placed in a bell plate of a rotary atomizer and, when thus placed, forms an annular gap between the ink jet (5) and a distribution disc recess of the bell plate, having a common rinsing agent channel (11.1, 11.2) running in the ink jet (5) for conducting a rinsing agent for rinsing the bell plate (3), a first rinsing agent outlet (16) that is supplied with rinsing agent by the common rinsing agent channel (11.1, 11.2) and directed forward in a substantially axial direction toward a distribution disc of the bell plate, and having a second rinsing agent outlet (18) that is supplied with rinsing agent by the common rinsing agent channel (11.1, 11.2). According to the invention, in the installed state, the second rinsing agent outlet (18) empties into the annular gap between the distribution disc recess and the ink jet (5) in order to clean the annular gap with the rising agent.

IPC 8 full level

**B05B 3/10** (2006.01); **B05B 15/02** (2006.01); **B05B 15/555** (2018.01)

CPC (source: EP US)

**B05B 3/1014** (2013.01 - EP US); **B05B 15/55** (2018.01 - US); **B05B 15/555** (2018.01 - EP); **B05B 3/1064** (2013.01 - EP US); **B05B 15/531** (2018.01 - US)

Cited by

FR3087680A1; WO2020089242A1; US11998940B2; DE102021127163A1; WO2023066673A1; WO2023066996A1

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 SE SI SK SM TR

DOCDB simple family (publication)

**WO 2011018169 A1 20110217**; CN 102574136 A 20120711; CN 102574136 B 20151007; DE 102009037604 A1 20110224; EP 2464459 A1 20120620; EP 2464459 B1 20160518; ES 2587391 T3 20161024; HU E028798 T2 20170130; JP 2013501607 A 20130117; JP 5785545 B2 20150930; PL 2464459 T3 20161130; PT 2464459 T 20160812; US 2012137968 A1 20120607; US 9126217 B2 20150908

DOCDB simple family (application)

**EP 2010004714 W 20100802**; CN 201080045932 A 20100802; DE 102009037604 A 20090814; EP 10740554 A 20100802; ES 10740554 T 20100802; HU E10740554 A 20100802; JP 2012524129 A 20100802; PL 10740554 T 20100802; PT 10740554 T 20100802; US 201013390395 A 20100802