

Title (en)
ELECTROSTATIC SPRAY HEAD

Title (de)
ELEKTROSTATISCHER PULVERSPRÜHKOPF

Title (fr)
TÊTE DE PULVÉRISATION ÉLECTROSTATIQUE

Publication
EP 3551336 B1 20201021 (DE)

Application
EP 17825362 A 20171214

Priority
• CH 4302017 A 20170330
• CH 2017000103 W 20171214

Abstract (en)
[origin: WO2018176164A1] The invention relates to a powder spraying head (2) for spraying a powder onto a can body (12) to be coated, comprising a working chamber (11) in the interior of the powder spraying head (2), a powder tube (9) for providing the powder, a charging electrode (6) for applying an electrostatic charge to the powder, and a guide electrode (7) for deflecting the electrostatically charged powder substantially in the direction of the working opening (4). The charging electrode (6) is arranged in the region of the powder outlet (9a) and runs in the direction of the powder flowing into the working chamber (11) in a pointed manner (6a). Additionally or alternatively thereto, the guide electrode (7) is plate-shaped, and a flat face (7a) of the guide electrode (7) faces the working chamber (11).

IPC 8 full level
B05B 1/26 (2006.01); **B05B 5/03** (2006.01); **B05B 5/053** (2006.01)

CPC (source: CH EP US)
B05B 1/267 (2013.01 - EP US); **B05B 5/032** (2013.01 - EP); **B05B 5/0533** (2013.01 - EP US); **B05B 5/081** (2013.01 - CH US); **B05B 5/12** (2013.01 - CH US); **B05B 13/0618** (2013.01 - CH US); **B05D 1/06** (2013.01 - CH US); **B21D 51/2676** (2013.01 - US); **B21D 51/2676** (2013.01 - CH)

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

DOCDB simple family (publication)
WO 2018176164 A1 20181004; CH 713662 A2 20181015; CN 110325285 A 20191011; CN 110325285 B 20210709; EP 3551336 A1 20191016; EP 3551336 B1 20201021; ES 2828068 T3 20210525; PT 3551336 T 20201211; TW 201838719 A 20181101; TW I749148 B 20211211; US 2020360942 A1 20201119

DOCDB simple family (application)
CH 2017000103 W 20171214; CH 4302017 A 20170330; CN 201780087428 A 20171214; EP 17825362 A 20171214; ES 17825362 T 20171214; PT 17825362 T 20171214; TW 107101496 A 20180116; US 201716497625 A 20171214