

Title (en)

SPRAY NOZZLE FOR ELECTROSTATIC SPRAYING OF A COATING PRODUCT AND FACILITY FOR SPRAYING

Title (de)

SPRÜHDÜSE ZUM ELEKTROSTATISCHEN SPRITZEN EINES BESCHICHTUNGSPRODUKTES UND ANLAGE ZUM SPRITZEN

Title (fr)

PULVERISATEUR DE PROJECTION ELECTROSTATIQUE DE PRODUIT DE REVETEMENT ET INSTALLATION DE PROJECTION

Publication

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Application

**EP 14738474 A 20140708**

Priority

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Abstract (en)

[origin: WO2015004111A1] The invention relates to a spray nozzle for electrostatic spraying of a coating product which includes a needle (3) which forms a mobile shutter of a valve (63) for controlling the spraying of the coating product and which is positioned in a recess (4) of a barrel of the spray nozzle. The recess (4) defines a surface (S4) for guiding the axial translation of the needle (3) along a longitudinal axis (Y4) of the recess (4). The needle includes a front end (3a) having a shape suitable for abutting against a seat (33) in order to obstruct a duct (2) for the flow of the coating product, a rear portion (3c) which interacts with means for controlling the translation of the needle (3) and a central portion (3b) comprised between the front end (3a) and the rear portion (3c), while a high-voltage unit included in the spray nozzle (1) is capable of applying a high-voltage to the front end (3a) of the needle (3). At least one first raised portion (8) is provided on the central portion (3b) of the needle, inside the recess (4), which is capable of increasing the electric creepage distance along the central portion (3b).

IPC 8 full level

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