

Title (en)
ELECTROSTATIC SPRAY DEVICE FOR SPRAYING A LIQUID COATING PRODUCT, AND SPRAY FACILITY COMPRISING SUCH A SPRAY DEVICE

Title (de)
ELEKTROSTATISCHE SPRÜHVORRICHTUNG ZUM VERSPRÜHEN EINES BESCHICHTUNGSFLÜSSIGKEITSPRODUKTS UND SPRÜHANLAGE MIT SOLCH EINER SPRÜHVORRICHTUNG

Title (fr)
PROJETEUR ELECTROSTATIQUE DE PRODUIT DE REVETEMENT LIQUIDE ET INSTALLATION DE PROJECTION COMPRENANT UN TEL PROJETEUR

Publication
EP 2988877 A1 20160302 (FR)

Application
EP 14722576 A 20140418

Priority
• FR 1353636 A 20130422
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Abstract (en)
[origin: WO2014173837A1] The invention relates to an electrostatic spray device for spraying a liquid coating product, comprising a rotating bowl (20) and means (42) for driving said bowl around a rotational axis (X 30), the bowl defining a concave surface (212) for the distribution of the coating product and an edge (214) which limits an area (Z 2) for the spraying of the coating product. Said spray device is provided with at least one electrode (22) that charges by means of ionisation of drops (3000) of the coating product. Said electrode (22) charging by means of ionisation is arranged, in relation to the edge (214) and along the rotational axis (X 30), opposite the spray area (Z 2), between the edge and the means (42) for driving the bowl (20). A second electrode (70) mounted on a stationary body (30) allows the creation of an electrostatic field for transporting drops. A third electrode (90), which is also mounted on a stationary body, is brought to an intermediate potential between those of the first and second electrodes (22, 70) during the operation of the spray device.

IPC 8 full level
B05B 5/04 (2006.01); **B05B 5/053** (2006.01)

CPC (source: EP RU US)
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Citation (search report)
See references of WO 2014173837A1

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