

Title (en)

Spray device for coating material

Title (de)

Sprühvorrichtung für Beschichtungsmaterial

Title (fr)

Dispositif de pulvérisation pour matériaux de revêtement

Publication

EP 0723815 B1 20010321 (DE)

Application

EP 95118742 A 19951129

Priority

DE 19502522 A 19950127

Abstract (en)

[origin: EP0723815A2] The plastic body (1) incorporates two compressed-air ducts (16, 17) leading to outlets (18, 19) on opposite sides of the central slot (10) through which the coating powder is ejected. A high-voltage electrode (26) is installed in one outlet (18) only. The blast from the other outlet (19) is directed into the stream of powder so as to counteract any deflection by the blast surrounding the electrode. For best results, the nozzle has a flattened face (20.1) at the end of a conical frustum (30) centred on the axis (4).

IPC 1-7

B05B 5/03

IPC 8 full level

B05B 5/025 (2006.01); **B05B 5/03** (2006.01); **B05B 5/053** (2006.01); **B05B 5/08** (2006.01); **B05B 1/04** (2006.01)

CPC (source: EP US)

B05B 5/032 (2013.01 - EP US); **B05B 5/0533** (2013.01 - EP US); **B05B 1/04** (2013.01 - EP US)

Cited by

DE19709786A1; WO9824555A1

Designated contracting state (EPC)

AT BE CH DE ES GB IT LI NL SE

DOCDB simple family (publication)

EP 0723815 A2 19960731; **EP 0723815 A3 19990317**; **EP 0723815 B1 20010321**; AT E199844 T1 20010415; DE 19502522 A1 19960801; DE 59509112 D1 20010426; JP 3842324 B2 20061108; JP H08229440 A 19960910; US 5686149 A 19971111

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EP 95118742 A 19951129; AT 95118742 T 19951129; DE 19502522 A 19950127; DE 59509112 T 19951129; JP 1258396 A 19960129; US 58270996 A 19960104