

Title (en)

Spray device for coating powder and spray apparatus with the same

Title (de)

Sprühvorrichtung für Beschichtungspulver und mit dieser Sprühvorrichtung ausgerüsteter Sprühapparat

Title (fr)

Dispositif de projection d'un produit de revêtement en poudre et organe de projection équipant un tel dispositif

Publication

EP 1038587 B1 20070425 (FR)

Application

EP 00400702 A 20000314

Priority

FR 9903743 A 19990325

Abstract (en)

[origin: EP1038587A1] The electrostatic spray coating gun has a delivery head (13) with a rotating disc, having a radial passage formed with an inner chicane (62) and an outer straight path (56). The mixture of coating powder and air is delivered to the head through a central axial passage (14) which opens just behind the rotating disc. The disc is charged to ionize the coating powder.

IPC 8 full level

B05B 5/04 (2006.01); **B05B 7/08** (2006.01)

CPC (source: EP US)

B05B 5/0407 (2013.01 - EP US); **B05B 5/0418** (2013.01 - EP US); **B05B 5/0426** (2013.01 - EP US)

Cited by

EP1317962A1; FR2915115A1; US6578779B2; US8905325B2; WO2008145846A3

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 1038587 A1 20000927; **EP 1038587 B1 20070425**; DE 60034501 D1 20070606; DE 60034501 T2 20080110; FR 2791279 A1 20000929; FR 2791279 B1 20020329; US 6854665 B1 20050215

DOCDB simple family (application)

EP 00400702 A 20000314; DE 60034501 T 20000314; FR 9903743 A 19990325; US 53634100 A 20000325