

Title (en)

Device for distributing pulverulent solids on the surface of a substrate for coating this substrate

Title (de)

Vorrichtung zur Verteilung pulverförmiger Feststoffe auf der Oberfläche eines Substrats zur Beschichtung dieses Substrates

Title (fr)

Dispositif de distribution de solides pulvérulents à la surface d'un substrat en vue d'y déposer un revêtement

Publication

**EP 0704249 B1 20000126 (FR)**

Application

**EP 95402160 A 19950927**

Priority

FR 9411504 A 19940927

Abstract (en)

[origin: EP0704249A1] The distributor consists of a nozzle (24) with its walls forming a cavity which ends in a lengthwise slit, and a powder delivery system with a main feed duct (6), a divider (7) and a series of secondary ducts (8), at least some of which have a pneumatic modulator for the powder/gas flow. The modulator forms part of regulating loop which is linked to a coating quality or thickness monitor, and has an auxiliary gas feed duct to the secondary ducts and equipped with a gas flow or pressure regulator. Each secondary duct ends in an injector (9), the injectors being set at regular intervals along a line in the cavity inlet. The cavity also has a pressurised gas injector.

IPC 1-7

**B05B 7/14**; B05B 12/04; B05B 12/12

IPC 8 full level

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CPC (source: EP US)

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