

Title (en)

Powder spraying device and powder coating process

Title (de)

Pulverzerstäuber und Pulverbeschichtungsverfahren

Title (fr)

Appareil de projection de poudre et procédé pour revêtement par poudre

Publication

EP 1238710 B1 20060906 (DE)

Application

EP 02004870 A 20020304

Priority

- DE 10111209 A 20010308
- US 5345501 A 20011025

Abstract (en)

[origin: EP1238710A1] The powder may be introduced through a central pipe (6) with a square-cut end. Additional air (30) passes through a tube or shaft (3) concentrically-surrounding the central pipe. The pipe is surrounded by an air turbine (2) which rotates it and rotates the spray bell (4). The mixture of air and powder passes through a channel (14) between the outer (8) and inner (12) parts of the bell. There is a wide inner channel (21) in the center of the inner part of the bell which accommodates an adjustable conical tip (22).

IPC 8 full level

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CPC (source: EP US)

B05B 3/1064 (2013.01 - EP US); **B05B 5/0407** (2013.01 - EP US); **B05B 5/0418** (2013.01 - EP US); **B05B 3/1092** (2013.01 - EP US); **B05B 5/0426** (2013.01 - EP US)

Cited by

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EP 1238710 A1 20020911; **EP 1238710 B1 20060906**; AT E338585 T1 20060915; DE 50208039 D1 20061019; ES 2269534 T3 20070401; US 2003080206 A1 20030501; US 2005001056 A1 20050106; US 6913214 B2 20050705

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