

Title (en)

Rotary atomizer for coating workpieces with an effect laquer

Title (de)

Rotationszerstäuber zum Beschichten von Werkstücken mit Effektlack

Title (fr)

Pulvérisateur rotatif pour le revêtement de pièces avec une laque à effets

Publication

EP 1426113 B1 20071128 (DE)

Application

EP 04002679 A 19990325

Priority

- EP 99106063 A 19990325
- US 7956598 P 19980327

Abstract (en)

[origin: EP0951942A2] The method involves using electrostatic rotation atomizers with a rotating bell plate (22) on whose end surface the paint is fed over a flow surface (30) to a spray edge (32), from which the sprayed droplets containing the effect particles pass to a work piece. The paint material is fed to the spray edge on the flow surface in a surface region bounding on the edge in a direction at an essentially constant angle to the rotation axis. An Independent claim is also included for a rotation atomizer for series coating of work pieces.

IPC 8 full level

B05B 3/10 (2006.01); **B05B 5/04** (2006.01); **B05B 13/04** (2006.01); **B05B 7/08** (2006.01)

CPC (source: EP US)

B05B 3/1014 (2013.01 - EP US); **B05B 3/1042** (2013.01 - EP US); **B05B 3/1064** (2013.01 - EP US); **B05B 5/0407** (2013.01 - EP US); **B05B 13/0452** (2013.01 - EP US); **B05B 3/1092** (2013.01 - EP US); **B05B 5/0426** (2013.01 - EP US)

Citation (examination)

- HUBER FRANK: "Karosserie in der Nasszelle", SPEKTRUM DER WISSENSCHAFT, June 2003 (2003-06-01), pages 72 - 73
- "Einführung in die Technik der PKW-Lackierung", April 1990, BEHR INDUSTRIEANLAGEN, BIETIGHEIM-BISSINGEN

Cited by

WO2008068005A1; US8827181B2; US8141797B2; FR3087680A1; WO2020089242A1; US11998940B2

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DOCDB simple family (application)

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