

Title (en)

Rotary atomiser for electrostatic assisted coating of objects with paints or varnishes

Title (de)

Rotationszerstäuber zum elektrostatisch unterstützten Beschichten von Gegenständen mit Farben bzw. Lacken

Title (fr)

Pulvérisateur rotatif pour le revêtement assisté par voie électrostatique d'objets par des peintures ou des lacques

Publication

EP 0796663 B1 20010822 (DE)

Application

EP 97104734 A 19970320

Priority

DE 19611369 A 19960322

Abstract (en)

[origin: EP0796663A2] The atomiser has a spray head (10) and its drive shaft (16) is connected to a defined electrical potential, esp. earth potential. An electrical contact device (20) stationary w.r.t. the housing has a contact element connected to a potential source and also in contact with the drive shaft. The radial distance of the drive shaft from the rotation axle is greater than half the internal dia. of spray head drive shaft. The contact element is made of a carbon fibre bundle, or of another material of at least equal wear resistance, elasticity and ability to make contact to the drive shaft as a carbon fibre bundle.

IPC 1-7

B05B 5/04; B05B 5/053

IPC 8 full level

B05B 5/04 (2006.01); **B05B 5/053** (2006.01); B05B 7/08 (2006.01)

CPC (source: EP)

B05B 5/04 (2013.01); **B05B 5/053** (2013.01); B05B 5/0426 (2013.01)

Citation (examination)

DE 4105116 A1 19920820 - BEHR INDUSTRIEANLAGEN [DE]

Cited by

US7520450B2; EP1384515A1; CN103650303A; US8734164B2; US7432495B2; US7328123B2; WO2013062988A3; WO2013003331A3; US7051950B2; US8840050B2; US6991178B2; EP2407247A1; US7339777B2; US7136271B2; EP1393816A1; US6972052B2; US8963398B2; US7347649B2; US6896735B2; US6986366B2; US7193836B2; US8169766B2; US8199453B2; US8671495B2

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