Title (en)

High speed rotary atomizer for applying a powder coating

Title (de)

Hochrotationszerstäuber zur Aufbringung von Pulverlack

Title (fr)

Pulvérisateur à vitesse de rotation élevée pour appliquer un revêtement sous forme de poudre

Publication

EP 1201314 B1 20041222 (DE)

Application

EP 01123727 A 20011004

Priority

DE 10053296 A 20001027

Abstract (en)

[origin: EP1201314A2] The device has a housing with a motorized bell disk, a powder feed channel and a deflector for blowing air at raised pressure towards the powder cloud from the bell disk. The air deflector has a rotation-symmetrical air guide body and a peripheral surface to which air is fed to flow out along the peripheral surface as a rotation-symmetrical air curtain. The guide body has an axial through bore via which paint powder flows towards the bell disk. The device has a housing with a bell disk driven by a motor, a powder feed channel and an air deflector for blowing air at raised pressure towards the powder cloud from the bell disk. The air deflector has a rotation-symmetrical air guide body (37) and a peripheral surface (39,43) to which the deflection air is fed so that it flows out along the peripheral surface as a rotation-symmetrical air curtain. The air guide body has an axial through bore (38) via which the paint powder flows towards the bell disk.

IPC 1-7

B05B 5/04

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

CN102510775A; CN103337928A

Designated contracting state (EPC)

CH DE FR LI SE

DOCDB simple family (publication)

EP 1201314 A2 20020502; **EP 1201314 A3 20030129**; **EP 1201314 B1 20041222**; DE 10053296 A1 20020516; DE 10053296 C2 20031218; DE 50104872 D1 20050127; US 2002088394 A1 20020711; US 6817555 B2 20041116

DOCDB simple family (application)

EP 01123727 A 20011004; DE 10053296 A 20001027; DE 50104872 T 20011004; US 99977301 A 20011024