

Title (en)

High-speed rotary atomizer for powder paint

Title (de)

Hochrotationszerstäuber zur Aufbringung von Pulverlack

Title (fr)

Pulvérisateur à vitesse de rotation élevée pour peinture en poudre

Publication

**EP 1201316 B1 20050720 (DE)**

Application

**EP 01123729 A 20011004**

Priority

DE 10053295 A 20001027

Abstract (en)

[origin: EP1201316A1] The device has a rotary motorized bell disk, at least one powder feed channel and at least one high voltage electrode for ionizing the paint powder particles. The powder feed channel (9-11,22-25,28,29) contains an acceleration nozzle (27,28) in which the particles are accelerated to a higher speed that is maintained at least over a known distance.

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 5/04** (2013.01 - EP US); **B05B 5/0426** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1201316 A1 20020502; EP 1201316 B1 20050720**; AT E299756 T1 20050815; DE 10053295 A1 20020516; DE 10053295 C2 20021031; DE 50106769 D1 20050825; US 2002083893 A1 20020704; US 6722591 B2 20040420

DOCDB simple family (application)

**EP 01123729 A 20011004**; AT 01123729 T 20011004; DE 10053295 A 20001027; DE 50106769 T 20011004; US 99977101 A 20011024