

Title (en)
HIGH-SPEED ROTATION ATOMISER FOR APPLICATION OF POWDER PAINT

Title (de)
HOCHROTATIONSZERSTÄUBER ZUR AUFBRINGUNG VON PULVERLACK

Title (fr)
ATOMISEUR ROTATIF A GRANDE VITESSE POUR APPLICATION DE PEINTURE EN POUDRE

Publication
EP 1242190 A1 20020925 (DE)

Application
EP 01988628 A 20011002

Priority
• DE 10053292 A 20001027
• EP 0111362 W 20011002

Abstract (en)
[origin: WO0234410A1] A high-speed rotation atomiser for application of powder paint conventionally comprises a housing (1), in which a motor (13) is housed. The motor (13) sets a bell disc (16), arranged on the front side of the housing (1), in rotation. At least one powder feed channel (28, 29, 22, 23, 24, 25, 1, 12, 9, 10) runs through the housing (1), which discharge at the front side of the housing (1). Said powder feed channel (28, 29, 22, 23, 24, 25, 11, 12, 9, 10) runs radially outside the motor (13). A large cross-section thereof can thus be maintained, which increases the capacity of the high-speed rotation atomiser. Furthermore, several powder feed channels (18, 29, 22, 23, 24, 25, 11, 12, 9, 10) can thus be fitted, which results in high powder throughput and improved homogeneity of the powder cloud generated.

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 5/0415 (2013.01 - EP US); **B05B 5/0418** (2013.01 - EP US); **B05B 3/1057** (2013.01 - EP US); **B05B 5/0426** (2013.01 - EP US)

Citation (search report)
See references of WO 0234410A1

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)
WO 0234410 A1 20020502; CZ 20022225 A3 20030212; CZ 301128 B6 20091111; DE 10053292 C1 20020523; DE 50113290 D1 20080103; EP 1242190 A1 20020925; EP 1242190 B1 20071121; PL 198164 B1 20080630; PL 355203 A1 20040405; US 2003001032 A1 20030102; US 6672521 B2 20040106

DOCDB simple family (application)
EP 0111362 W 20011002; CZ 20022225 A 20011002; DE 10053292 A 20001027; DE 50113290 T 20011002; EP 01988628 A 20011002; PL 35520301 A 20011002; US 16883502 A 20020621