

Title (en)  
POWDER SPRAYING DEVICE

Title (de)  
PULVERSPRÜHEINRICHTUNG

Title (fr)  
DISPOSITIF DE PULVERISATION POUR POUDRAGE

Publication  
**EP 0941145 B1 20020918 (DE)**

Application  
**EP 96942367 A 19961206**

Priority  
EP 9605462 W 19961206

Abstract (en)  
[origin: WO9824555A1] The invention relates to a powder spraying device for electrostatic powder coating of workpieces. In order to achieve a particularly good powder particle charge, the powder spraying device (10) contains a chamber (1) into which a powder/air mixture (PL) is introduced crosswise to the spraying device (13) by means of a feed pipe (11). A ground electrode (5) and multiple high-voltage electrodes (7) are placed in the chamber (1). All electrodes (5, 7) are swept by purified air (RLE, RLH) in order to prevent powder deposits.

IPC 1-7  
**B05B 5/03**

IPC 8 full level  
**B05B 5/025** (2006.01); **B05B 5/03** (2006.01)

CPC (source: EP US)  
**B05B 5/032** (2013.01 - EP US)

Designated contracting state (EPC)  
BE DE ES FR GB IT NL SE

DOCDB simple family (publication)  
**WO 9824555 A1 19980611**; AU 1177497 A 19980629; CA 2273830 A1 19980611; DE 59609702 D1 20021024; EP 0941145 A1 19990915; EP 0941145 B1 20020918; JP 2001505125 A 20010417; JP 3866295 B2 20070110; US 6254684 B1 20010703

DOCDB simple family (application)  
**EP 9605462 W 19961206**; AU 1177497 A 19961206; CA 2273830 A 19961206; DE 59609702 T 19961206; EP 96942367 A 19961206; JP 52509598 A 19961206; US 32700799 A 19990607