

Title (en)  
Rotary atomizing electrostatic coating apparatus

Title (de)  
Rotierende elektrostatische Sprühvorrichtung

Title (fr)  
Appareil rotatif de pulvérisation électrostatique

Publication  
**EP 0801991 A2 19971022 (EN)**

Application  
**EP 97106001 A 19970411**

Priority  
JP 9379296 A 19960416

Abstract (en)  
A rotary atomizing electrostatic coating apparatus includes a pin type electrode (15) provided so as to oppose any one of the atomizing head (1) and the drive shaft (2). The atomizing head (1) is electrically charged by using a corona discharge generated between the pin type electrode (15) and the atomizing head (1) or the drive shaft (2). Due to this structure, the bearing (8,9) for rotatably supporting the drive shaft (2) and the bearing housing (10,11) can be made from ceramics or synthetic resin. As a result, the coating apparatus is compact in size and is lightened. <IMAGE>

IPC 1-7  
**B05B 5/04**

IPC 8 full level  
**B05B 5/04** (2006.01); **B05B 5/053** (2006.01); **B05B 3/10** (2006.01)

CPC (source: EP)  
**B05B 3/1064** (2013.01); **B05B 5/0415** (2013.01); **B05B 5/0533** (2013.01)

Cited by  
CN104640339A; EP1118388A1; DE102015004066A1; EP1384515A1; CN104619107A; US6991178B2; US7328123B2; US7051950B2; US8840050B2; EP1393816A1; US6972052B2; US7347649B2; US6896735B2

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0801991 A2 19971022; EP 0801991 A3 19980819; JP H09276750 A 19971028**

DOCDB simple family (application)  
**EP 97106001 A 19970411; JP 9379296 A 19960416**