

Title (en)
Rotary atomizing electrostatic coating apparatus

Title (de)
Rotierende elektrostatische Sprühhvorrichtung

Title (fr)
Appareil rotatif de pulvérisation électrostatique

Publication
EP 0801992 A3 20000524 (EN)

Application
EP 97106088 A 19970414

Priority
• JP 9284596 A 19960415
• JP 5792197 A 19970312
• JP 8350397 A 19970402

Abstract (en)
[origin: EP0801992A2] A rotary atomizing electrostatic coating apparatus includes a plurality of shaping air nozzles (6) disposed on a first circle having its circle center on an axis of rotation of an atomizing head (1), a plurality of pattern control air nozzles (7) disposed on a second circle having a larger diameter than the first circle. The pattern control air nozzles are located at 3-100 mm on a rear side of the shaping air nozzles (6) and inside a circle having a diameter three times a diameter of the atomizing head (1). An air passable opening may be formed radially between the shaping air nozzles (6) and the pattern control air nozzles (7). <IMAGE>

IPC 1-7
B05B 5/04; **B05B 5/03**

IPC 8 full level
B05B 5/03 (2006.01); **B05B 5/04** (2006.01); **B05B 3/10** (2006.01); **B05B 7/08** (2006.01)

CPC (source: EP)
B05B 3/1064 (2013.01); **B05B 5/04** (2013.01); **B05B 5/0426** (2013.01); **B05B 3/1092** (2013.01)

Citation (search report)
• [X] US 5397063 A 19950314 - WEINSTEIN RICHARD [US]
• [X] US 4572437 A 19860225 - HUBER WILLI [CH], et al
• [X] WO 8810152 A1 19881229 - RANSBURG CORP [US]

Cited by
CN107597463A; CN102015115A; DE10321614A1; DE102007006547A1; DE102007006547B4; US10919065B2; US8481124B2; US8642131B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0801992 A2 19971022; **EP 0801992 A3 20000524**; **EP 0801992 B1 20041013**; CA 2202671 A1 19971015; CA 2202671 C 20000808; DE 69731138 D1 20041118; DE 69731138 T2 20060309; JP 3307266 B2 20020724; JP H10309498 A 19981124

DOCDB simple family (application)
EP 97106088 A 19970414; CA 2202671 A 19970414; DE 69731138 T 19970414; JP 8350397 A 19970402