

Title (en)
Powder coating apparatus

Title (de)
Pulversprühbeschichtungsvorrichtung

Title (fr)
Dispositif de pulvérisation de poudre

Publication
EP 1283074 A3 20050615 (DE)

Application
EP 02012881 A 20020611

Priority
DE 10138917 A 20010808

Abstract (en)
[origin: EP1283074A2] The spray coating device has a powder channel (4) for a coating powder air stream (18) and at least one pressurized air outlet (8) connected to a pressurized air supply (14), providing an air feed at an air pressure which lifts the powder edge layer from the powder channel with radial compression and turbulence of the coating powder air stream. An Independent claim for a powder spray coating method is also included.

IPC 1-7
B05B 5/03; **B05B 7/14**

IPC 8 full level
B05B 7/14 (2006.01); **B05B 1/14** (2006.01); **B05B 5/025** (2006.01); **B05B 5/03** (2006.01); **B05B 5/053** (2006.01)

CPC (source: EP US)
B05B 5/032 (2013.01 - EP US); **B05B 5/0533** (2013.01 - EP US)

Citation (search report)

- [X] US 4772982 A 19880920 - NAGASAKA HIDEO [JP]
- [DX] EP 1008392 A2 20000614 - NIHON PARKERIZING [JP], et al
- [X] DE 2722100 B1 19781109 - HAJTOMUEVEK ES FESTOBERENDEZE
- [X] US 5928731 A 19990727 - YANAGIDA KENZO [JP], et al

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FR2944980A1; WO2007033985A1; WO2010125282A1

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 1283074 A2 20030212; **EP 1283074 A3 20050615**; CA 2397046 A1 20030208; DE 10138917 A1 20030306; JP 2003053218 A 20030225; US 2003042341 A1 20030306; US 6951309 B2 20051004

DOCDB simple family (application)
EP 02012881 A 20020611; CA 2397046 A 20020807; DE 10138917 A 20010808; JP 2002210927 A 20020719; US 21344802 A 20020807