

Title (en)

Method and spraying apparatus for coating workpieces in series

Title (de)

Verfahren und Zerstäuber für die Serienbeschichtung von Werkstücken

Title (fr)

Procédé et pulvérisateur pour le revêtement de pièces en séries

Publication

EP 1331037 B1 20080625 (DE)

Application

EP 03001129 A 20030120

Priority

DE 10202712 A 20020124

Abstract (en)

[origin: EP1331037A2] The method involves controlling the spray jet shape of the atomizer with a controllable annular gas flow concentric to the atomizer's spray cone axis and coating different regions of the workpiece using different jet shapes. At least two mutually independently controllable gas flows are produced that emanate at different radial distances from the spray cone axis and are adjusted depending on the workpiece region to be coated. An independent claim is also included for the following: an atomizer for serial coating of workpieces.

IPC 8 full level

B05B 5/04 (2006.01); **B05B 7/08** (2006.01)

CPC (source: EP)

B05B 5/04 (2013.01); **B05B 5/0407** (2013.01); **B05B 5/0426** (2013.01)

Cited by

DE102006054786A1; US2010021646A1; US8481124B2; US2013266734A1; US8642131B2; US6899279B2; US8097293B2; US8827181B2; WO2008068005A1; WO2008061584A1; WO2008093866A1; WO2011035886A1; DE102009042955A1; US7432495B2; DE102010019612A1; WO2011138048A1; US9592524B2; US10464095B2; EP3269454B1; EP3269454B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

EP 1331037 A2 20030730; **EP 1331037 A3 20051005**; **EP 1331037 B1 20080625**; AT E399060 T1 20080715; AT E451177 T1 20091215; DE 10202712 A1 20030731; DE 50310023 D1 20080807; DE 50312226 D1 20100121; EP 1923138 A1 20080521; EP 1923138 B1 20091209; EP 2143500 A2 20100113; EP 2143500 A3 20110209; EP 2143500 B1 20160511; ES 2309244 T3 20081216; ES 2336631 T3 20100414; ES 2584238 T3 20160926; HU E029862 T2 20170428; SI 1923138 T1 20100430

DOCDB simple family (application)

EP 03001129 A 20030120; AT 03001129 T 20030120; AT 08002656 T 20030120; DE 10202712 A 20020124; DE 50310023 T 20030120; DE 50312226 T 20030120; EP 08002656 A 20030120; EP 09013580 A 20030120; ES 03001129 T 20030120; ES 08002656 T 20030120; ES 09013580 T 20030120; HU E09013580 A 20030120; SI 200331770 T 20030120