

Title (en)

Method, coating device and rotational atomizer for coating workpieces in series

Title (de)

Verfahren, Beschichtungsanlage und Rotationszerstäuber zur Serienbeschichtung von Werkstücken

Title (fr)

Méthode et dispositif de revêtement de pièces en série et pulvérisateur rotatif

Publication

**EP 1634651 A1 20060315 (DE)**

Application

**EP 05107994 A 20050901**

Priority

DE 102004044162 A 20040913

Abstract (en)

The method involves electrostatically coating a work piece area with an electrically conductive coating material, which is loaded by external electrodes (6) of a manipulator machine, in a coating zone or coating cabin by a rotating atomizer (1). Another work piece area or work piece is coated in the same coating zone or coating cabin by the same atomizer or another atomizer, without loading of the coating material. An independent claim is also included for a coating device for coating of work pieces of components and attachment parts of vehicle bodies.

IPC 8 full level

**B05B 5/053** (2006.01)

CPC (source: EP)

**B05B 5/04** (2013.01); **B05B 5/0533** (2013.01); **B05B 13/0431** (2013.01); **B05D 1/02** (2013.01); **B05D 1/04** (2013.01); **B05D 2401/20** (2013.01)

Citation (applicant)

- DE 2900660 A1 19790719 - AKZO GMBH
- EP 0292778 A2 19881130 - BEHR INDUSTRIEANLAGEN [DE]
- DE 10059041 A1 20020606 - LACTEC GES FUER MODERNE LACKTE [DE]
- EP 1362642 A1 20031119 - DUERR SYSTEMS GMBH [DE]
- US 3393662 A 19680723 - BLACKWELL RONALD J
- DE 19909369 A1 20000921 - DAIMLER CHRYSLER AG [DE]
- EP 1362640 A1 20031119 - DUERR SYSTEMS GMBH [DE]
- EP 0274322 A1 19880713 - SAMES SA [FR]
- EP 0796665 A2 19970924 - DUERR SYSTEMS GMBH [DE]
- EP 0967016 A1 19991229 - ABB KK [JP]

Citation (search report)

- [DXY] EP 1362640 A1 20031119 - DUERR SYSTEMS GMBH [DE]
- [XPXY] EP 1520633 A2 20050406 - DU PONT [US]
- [DA] WO 0115815 A1 20010308 - SAMES SA [FR], et al

Cited by

US8104423B2; CN102427888A; DE102011006617B4; EP2859954A4; DE102011006617A1; US8584615B2; US7628343B2; WO2010105849A1; US9346070B2; US9901942B2; US10464084B2; EP3831497A1; US2021162434A1; FR3103718A1; CN112974008A; WO2008079922A3; WO2009009282A3; DE102021121553A1; WO2023020819A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1634651 A1 20060315**; **EP 1634651 B1 20080604**; AT E397497 T1 20080615; DE 502005004330 D1 20080717; ES 2308389 T3 20081201

DOCDB simple family (application)

**EP 05107994 A 20050901**; AT 05107994 T 20050901; DE 502005004330 T 20050901; ES 05107994 T 20050901