

Title (en)
COATING METHOD AND CORRESPONDING COATING INSTALLATION

Title (de)
BESCHICHTUNGSVERFAHREN UND ENTSPRECHENDE BESCHICHTUNGSANLAGE

Title (fr)
PROCÉDÉ DE REVÊTEMENT ET INSTALLATION DE REVÊTEMENT CORRESPONDANTE

Publication
EP 3227030 A1 20171011 (DE)

Application
EP 15790035 A 20151104

Priority
• DE 102014017707 A 20141201
• EP 2015002215 W 20151104

Abstract (en)
[origin: WO2016087016A1] The invention relates to a coating method for coating components, in particular for coating motor-vehicle body components in a painting installation. The coating method according to the invention comprises the following steps: moving an application device over a component surface to be coated, along a specified coating path (1), and applying a coating agent jet to the component surface by means of the application device. The coating agent jet is applied while the application device is moved over the component surface. Furthermore, the coating agent jet is not rotationally symmetrical with respect to the jet axis thereof and therefore produces an elongate spray pattern (2) having a certain longitudinal direction (7) on the component surface. The invention additionally provides the following step: rotating the application device about the jet axis in relation to the coating path (1) during the movement of the application device, the angular position (a) of the longitudinal direction (7) of the spray pattern (2) in relation to the path transverse direction (12) thus being changed along the coating path (1).

IPC 8 full level
B05B 12/08 (2006.01); **B05B 13/04** (2006.01)

CPC (source: CN EP KR US)
B05B 12/082 (2013.01 - CN EP KR US); **B05B 13/0278** (2013.01 - KR); **B05B 13/0421** (2013.01 - US); **B05B 13/0431** (2013.01 - KR US); **B05B 13/0452** (2013.01 - CN EP KR US); **B05D 1/02** (2013.01 - KR US)

Citation (search report)
See references of WO 2016087016A1

Cited by
CN117583213A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102014017707 A1 20160602; DE 102014017707 A8 20160811; CN 106999974 A 20170801; CN 106999974 B 20191022; EP 3227030 A1 20171011; EP 3227030 B1 20190130; ES 2723974 T3 20190904; HU E043974 T2 20190930; JP 2018502702 A 20180201; JP 6722186 B2 20200715; KR 102462202 B1 20221103; KR 20170089882 A 20170804; MX 2017006867 A 20170828; TR 201905322 T4 20190521; US 10507483 B2 20191217; US 2017341098 A1 20171130; WO 2016087016 A1 20160609

DOCDB simple family (application)
DE 102014017707 A 20141201; CN 201580065058 A 20151104; EP 15790035 A 20151104; EP 2015002215 W 20151104; ES 15790035 T 20151104; HU E15790035 A 20151104; JP 2017529335 A 20151104; KR 20177015779 A 20151104; MX 2017006867 A 20151104; TR 201905322 T 20151104; US 201515531304 A 20151104