

Title (en)  
COATING METHOD AND COATING SYSTEM HAVING DYNAMIC ADAPTATION OF THE ATOMIZER ROTATIONAL SPEED AND THE HIGH VOLTAGE

Title (de)  
BESCHICHTUNGSVERFAHREN UND BESCHICHTUNGSANLAGE MIT DYNAMISCHER ANPASSUNG DER ZERSTÄUBERDREHZAHLE UND DER HOCHSPANNUNG

Title (fr)  
DISPOSITIF DE REVÊTEMENT ET INSTALLATION DE REVÊTEMENT AVEC ADAPTATION DYNAMIQUE DE LA VITESSE DU PULVÉRISATEUR ET DE LA HAUTE TENSION

Publication  
**EP 2496364 B1 20151028 (DE)**

Application  
**EP 10774142 A 20101102**

Priority  
• DE 102009051877 A 20091104  
• EP 2010006681 W 20101102

Abstract (en)  
[origin: WO2011054496A1] The invention relates to a coating method and a coating system for coating the component surface of a component with a coating agent by means of an atomizer (4) in a coating system, in particular for painting a body part of a motor vehicle with paint, comprising the following steps: moving the atomizer (4) over the component surface of the component to be coated, or moving the component in the spray jet, thereby applying the coating agent to the component surface by means of the atomizer (4). The atomizer (4) is operated with at least one electrical and/or kinematic operating variable (U, Q+, Q-), comprising a certain high voltage (U) for the electrostatic charging of the coating agent and/or a certain rotational speed of a rotating spray element of the atomizer (4). According to the invention, the electrical and/or kinematic operating variable (U, Q+, Q-) of the atomizer (4) is dynamically varied during the movement of the atomizer (4).

IPC 8 full level  
**B05B 12/12** (2006.01); **B05B 5/04** (2006.01); **B05B 5/053** (2006.01); **B05B 13/04** (2006.01); **B05B 15/12** (2006.01)

CPC (source: EP US)  
**B05B 5/0422** (2013.01 - EP US); **B05B 5/0531** (2013.01 - EP US); **B05B 5/10** (2013.01 - US); **B05B 12/122** (2013.01 - EP US); **B05B 12/124** (2013.01 - EP US); **B05B 12/126** (2013.01 - EP US); **B05B 5/0407** (2013.01 - EP US); **B05B 5/0415** (2013.01 - EP US); **B05B 5/0426** (2013.01 - EP US); **B05B 12/082** (2013.01 - EP US); **B05B 13/0431** (2013.01 - EP US); **B05B 13/0452** (2013.01 - EP US); **B05B 13/0457** (2013.01 - US); **B05B 16/00** (2018.01 - US)

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

DOCDB simple family (publication)  
**DE 102009051877 A1 20110505**; CN 102596422 A 20120718; CN 102596422 B 20160224; EP 2496364 A1 20120912; EP 2496364 B1 20151028; ES 2559234 T3 20160211; HU E026377 T2 20160530; JP 2013509991 A 20130321; JP 5752701 B2 20150722; PL 2496364 T3 20160429; PT 2496364 E 20160210; US 10052644 B2 20180821; US 2012219700 A1 20120830; WO 2011054496 A1 20110512

DOCDB simple family (application)  
**DE 102009051877 A 20091104**; CN 201080050179 A 20101102; EP 10774142 A 20101102; EP 2010006681 W 20101102; ES 10774142 T 20101102; HU E10774142 A 20101102; JP 2012537320 A 20101102; PL 10774142 T 20101102; PT 10774142 T 20101102; US 201013508197 A 20101102