

Title (en)  
COATING UNIT AND ITS WORKING PROCESS

Title (de)  
BESCHICHTUNGSANLAGE UND ZUGEHÖRIGES BETRIEBSVERFAHREN

Title (fr)  
INSTALLATION DE REVÊTEMENT ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication  
**EP 3297766 B1 20200506 (DE)**

Application  
**EP 16723939 A 20160520**

Priority  
• DE 102015006666 A 20150522  
• DE 102015009855 A 20150804  
• EP 2016000845 W 20160520

Abstract (en)  
[origin: WO2016188626A2] The invention relates to an operating method for a coating system, in particular for a painting system, for coating components (2), in particular motor vehicle body components (2), having the following steps: conveying, by means of a conveying device (3), the components (2) to be coated in a conveying direction through a coating booth (1), coating the components (2) in the coating booth (1) with a coating product by means of an application device (17-19) which applies a spray jet of the coating product, a portion of the applied coating product being deposited on the components (2) to be coated while another portion of the applied coating product floats into the interior of the coating booth (1) as an excess coating product mist (21), and removing the excess coating product mist (21) from the interior of the booth by means in addition to or other than the downwardly directed air flow generated by a filter ceiling. In addition, the invention includes a correspondingly designed coating system.

IPC 8 full level  
**B05B 15/00** (2018.01); **B05B 12/18** (2018.01); **B05B 14/40** (2018.01); **B05B 14/46** (2018.01); **B05B 15/555** (2018.01); **B05B 16/00** (2018.01)

CPC (source: EP US)  
**B05B 12/18** (2018.01 - EP US); **B05B 13/0431** (2013.01 - EP US); **B05B 13/0452** (2013.01 - EP US); **B05B 14/40** (2018.01 - EP US); **B05B 14/469** (2018.01 - US); **B05B 15/555** (2018.01 - US); **B05B 16/90** (2018.01 - EP US); **B05B 16/95** (2018.01 - EP US); **B05C 15/00** (2013.01 - US); **B05D 1/02** (2013.01 - US); **B05B 12/1472** (2013.01 - US); **B05B 14/468** (2018.01 - US); **B05B 14/48** (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)  
**WO 2016188626 A2 20161201**; **WO 2016188626 A3 20170119**; CN 108025325 A 20180511; CN 108025325 B 20210330; EP 3297766 A2 20180328; EP 3297766 B1 20200506; ES 2797986 T3 20201204; HU E050529 T2 20201228; MX 2017014737 A 20180323; PL 3297766 T3 20201102; US 10478847 B2 20191119; US 11511313 B2 20221129; US 2018147591 A1 20180531; US 2020122180 A1 20200423

DOCDB simple family (application)  
**EP 2016000845 W 20160520**; CN 201680041330 A 20160520; EP 16723939 A 20160520; ES 16723939 T 20160520; HU E16723939 A 20160520; MX 2017014737 A 20160520; PL 16723939 T 20160520; US 201615575915 A 20160520; US 201916662372 A 20191024