

Title (en)

METHOD AND DEVICE FOR ELECTROSTATICALLY SEPARATING PAINT OVERSPRAY USING AN ABSORBANT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ELEKTROSTATISCHEN ABSCHIEDEN VON OVERSPRAY MIT EINEM ABSORPTIONSMITTEL

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SÉPARATION ÉLECTROSTATIQUE D'EXCÈS DE PULVÉRISATION DE PEINTURE UTILISANT UN AGENT ABSORBANT

Publication

**EP 2512691 B1 20140820 (DE)**

Application

**EP 10784266 A 20101124**

Priority

- DE 102009058206 A 20091215
- EP 2010007120 W 20101124

Abstract (en)

[origin: WO2011072796A1] In a method for separating overspray from the cabin exhaust air of coating systems, in particular of painting systems, which is laden with overspray, the overspray is taken up by an air flow and conveyed to an electrostatically operating separating device (42; 1042; 2042). There, the bulk at least of the solids is separated from the overspray at at least one separating surface (46; 48; 1046, 1048; 2046, 2048; 3046, 3048; 5046, 5048). An electrically conductive material or material mixture is used as a separating agent, which is applied to the at least one separating surface (46; 48; 1046, 1048; 2046, 2048; 3046, 3048; 5046, 5048) of the separating device (42; 1042; 2042) and at the operating temperature of the separating device (42; 1042; 2042) has a wax-like consistency. The invention further relates to a separating device (42; 1042; 2042) with such a wax-like material and an system for coating articles.

IPC 8 full level

**B05B 15/12** (2006.01); **B03C 3/013** (2006.01); **B03C 3/017** (2006.01); **B03C 3/53** (2006.01); **B05B 14/42** (2018.01)

CPC (source: EP US)

**B03C 3/013** (2013.01 - EP US); **B03C 3/017** (2013.01 - EP US); **B03C 3/53** (2013.01 - EP US); **B05B 14/42** (2018.02 - EP US); **B03C 2201/28** (2013.01 - EP US); **B05B 14/46** (2018.02 - EP 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 102009058206 A1 20110616**; BR 112012014446 A2 20161004; BR 112012014446 A8 20171010; CN 102665932 A 20120912; CN 102665932 B 20151125; EP 2512691 A1 20121024; EP 2512691 B1 20140820; JP 2013514160 A 20130425; MX 2012006767 A 20120823; RU 2012129663 A 20140127; RU 2554143 C2 20150627; US 2013032089 A1 20130207; US 9089867 B2 20150728; WO 2011072796 A1 20110623

DOCDB simple family (application)

**DE 102009058206 A 20091215**; BR 112012014446 A 20101124; CN 201080056516 A 20101124; EP 10784266 A 20101124; EP 2010007120 W 20101124; JP 2012543500 A 20101124; MX 2012006767 A 20101124; RU 2012129663 A 20101124; US 201013515870 A 20101124