

Title (en)
DEVICE FOR SEPARATING PAINT OVERSPRAY

Title (de)
VORRICHTUNG ZUM ABSCHIEDEN VON LACK-OVERSPRAY

Title (fr)
DISPOSITIF DE DÉPÔTS DE L'EXCÈS DE PULVÉRISATION DE PEINTURE

Publication
EP 2170519 A2 20100407 (DE)

Application
EP 08773946 A 20080710

Priority
• EP 2008005620 W 20080710
• DE 102007036553 A 20070725

Abstract (en)
[origin: WO2009012892A2] A device (1) for separating paint overspray from the air of painting cubicles that is laden with overspray has in a housing (2) at least one separating element (4), the surface of which is electrically conductive and is connected to one terminal of a high-voltage source (14). The separating element (4) is assigned an electrode arrangement (12), which is connected to the other terminal of the high-voltage source (14). The air of the cubicle is made to flow past the separating element (4) and the electrode arrangement (12) in such a way that the overspray particles are colonized and deposited on the surface of the separating element (4). The separating element (4) is moved continuously or intermittently, wherein a wiping device (10) wipes off the overspray that is on the surface of the separating element (4). This can then be carried away by a suitable transporting device (3) for disposal or re-use.

IPC 8 full level
B03C 3/10 (2006.01); **B05B 14/42** (2018.01); **B05B 15/12** (2006.01)

CPC (source: EP US)
B03C 3/10 (2013.01 - EP US); **B03C 3/16** (2013.01 - EP US); **B03C 3/49** (2013.01 - EP US); **B03C 3/743** (2013.01 - EP US); **B05B 14/42** (2018.01 - EP US); **Y02P 70/10** (2015.11 - EP)

Citation (search report)
See references of WO 2009012892A2

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009012892 A2 20090129; WO 2009012892 A3 20090409; BR PI0813544 A2 20141223; BR PI0813544 A8 20160126; CN 101861210 A 20101013; DE 102007036553 A1 20090205; EP 2170519 A2 20100407; EP 2324928 A1 20110525; EP 2343130 A1 20110713; JP 2010534123 A 20101104; JP 3180566 U 20121227; RU 2010106242 A 20110827; US 2010291848 A1 20101118

DOCDB simple family (application)
EP 2008005620 W 20080710; BR PI0813544 A 20080710; CN 200880100321 A 20080710; DE 102007036553 A 20070725; EP 08773946 A 20080710; EP 10013243 A 20080710; EP 10013245 A 20080710; JP 2010517289 A 20080710; JP 2012006069 U 20121004; RU 2010106242 A 20080710; US 67056408 A 20080710