Title (en)
DEVICE FOR SEPARATING PAINT OVERSPRAY

Title (de)
VORRICHTUNG ZUM ABSCHEIDEN 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

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Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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