

Title (en)  
DEVICE FOR SEPARATING PAINT OVERSPRAY

Title (de)  
VORRICHTUNG ZUM ABSCHIEDEN VON LACK-OVERSPRAY

Title (fr)  
DISPOSITIF DE SÉPARATION DU BROUILLARD DE PEINTURE EXCÉDENTAIRE

Publication  
**EP 2318149 B1 20150708 (DE)**

Application  
**EP 09778054 A 20090822**

Priority  
• EP 2009006105 W 20090822  
• DE 102008046413 A 20080904

Abstract (en)  
[origin: WO2010025844A1] A device for separating paint overspray from the cabin exhaust air of painting systems which is laden with overspray comprises at least one separating surface (42a, 42b; 142a, 142b; 242a, 242b), on which the cabin exhaust air can be guided along and which is electrically conducting and connected to a pole of a high voltage source (74; 174; 274). An electrode device (56; 156; 256) arranged in the air stream is associated with the separating surface (42a, 42b; 142a, 142b; 242a, 242b) and connected to the other pole of the high voltage source (74; 174; 274). Paint overspray is transported away from the separating surface (42a, 42b, 142a, 142b; 242a, 242b) by an electrically conducting separating fluid, which can be fed to the separating surface (42a, 42b, 142a, 142b; 242a, 242b) and flows over the separating surface (42a, 42b; 142a, 142b; 242a, 242b) so that a large part at least of the solids pass from the cabin exhaust air flowing past into the separating fluid.

IPC 8 full level  
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**Y10S 55/46** (2013.01 - EP US)

Citation (examination)  
• JP 2001038244 A 20010213 - KAWASAKI HEAVY IND LTD, et al  
• JP H06319937 A 19941122 - NAKAGAWA KENICHI  
• US 3785125 A 19740115 - DESEVERSKY A

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DE102016004400A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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