

Title (en)  
ELECTROSTATIC DUST SEPARATOR

Publication  
**EP 0254832 A3 19891004 (DE)**

Application  
**EP 87107369 A 19870521**

Priority  
DE 3625547 A 19860729

Abstract (en)  
[origin: US4776864A] An electrostatic precipitator wherein a gaseous carrier medium is caused to pass through one or more electrostatic filters to be relieved of the major percentage of impurities. The thus purified carrier medium is caused to flow through a tapering funnel-shaped section of the outlet wherein the lower layer of the flow is caused to enter an elongated horizontal slit-shaped aperture leading to a chamber which narrows in the direction of flow of carrier medium therein and discharges into a first conduit for evacuation of the lower layer. The upper layer enters a polygonal or cylindrical second conduit at a level above an adjustable flat or otherwise configurated partition which extends into the funnel-shaped section at the intake end of the second conduit and whose inclination can be changed to vary the size of the aperture leading to the chamber.

IPC 1-7  
**B03C 3/00**; **B03C 3/02**

IPC 8 full level  
**B03C 3/36** (2006.01); **B03C 3/019** (2006.01); **B03C 3/82** (2006.01)

CPC (source: EP US)  
**B03C 3/019** (2013.01 - EP US)

Citation (search report)  
• [YD] EP 0162826 A1 19851127 - FLAEKT AB [SE]  
• [Y] GB 729009 A 19550427 - RESEARCH CORP  
• [AD] DE 1457095 A1 19691016 - METALLGESELLSCHAFT AG  
• [A] DE 3238793 A1 19840426 - BOSCH GMBH ROBERT [DE]

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CN110302902A

Designated contracting state (EPC)  
BE CH FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0254832 A2 19880203**; **EP 0254832 A3 19891004**; DE 3625547 A1 19880211; DE 3625547 C2 19890202; JP S6339651 A 19880220; US 4776864 A 19881011

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