

Title (en)  
DEVICE FOR CARRYING OUT THE ELECTROSTATIC SEPARATION OF PARTICLES IN GAS STREAMS

Title (de)  
VORRICHTUNG ZUR ELEKTROSTATISCHEN PARTIKELABSCHEIDUNG IN GASSTRÖMEN

Title (fr)  
DISPOSITIF DE SEPARATION ELECTROSTATIQUE DE PARTICULES DANS DES COURANTS GAZEUX

Publication  
**EP 1691931 A1 20060823 (DE)**

Application  
**EP 04789813 A 20041022**

Priority  
• CH 2004000638 W 20041022  
• CH 20422003 A 20031201

Abstract (en)  
[origin: CH694645A5] The device is suitable for electrostatic separation of particles in a gas flow, usable in flue gas cleaning in small heating systems. It can be installed in a flue gas pipe (1) and has a cover (5), which can be fitted in a gastight manner and conductively on a corresponding aperture of the flue gas pipe, so that in its center an electrode wire (4) via an insulator (3) is free-suspendedly fixed with at least its one end. A high voltage producer with rectifier function forms direct voltage between the electrode and the flue gas channel. The electrode towards each freely suspended end narrows, it can be actively electrically stabilised or passively so.

IPC 8 full level  
**B03C 3/41** (2006.01); **B03C 3/68** (2006.01)

CPC (source: EP)  
**B03C 3/41** (2013.01); **B03C 3/68** (2013.01); **B03C 2201/10** (2013.01)

Citation (search report)  
See references of WO 2005053852A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**CH 694645 A5 20050513**; AT E430624 T1 20090515; DE 502004009470 D1 20090618; EP 1691931 A1 20060823; EP 1691931 B1 20090506; WO 2005053852 A1 20050616

DOCDB simple family (application)  
**CH 20422003 A 20031201**; AT 04789813 T 20041022; CH 2004000638 W 20041022; DE 502004009470 T 20041022; EP 04789813 A 20041022