

Title (en)

Electrostatic filter.

Title (de)

Elektrostatischer Filter.

Title (fr)

Filtre électrostatique.

Publication

EP 0579310 A1 19940119 (EN)

Application

EP 93201913 A 19930701

Priority

IT MI920703 U 19920714

Abstract (en)

An electrostatic filter for air-purification equipment, comprising a prismatic box-shaped body (5), made of metallized thermoplastic material, substantially in the form of a tray, subdivided in a longitudinal sense by a multiplicity of equispaced walls perpendicular to the base (5a, 5c, 5e, 5g) alternating with dividing baffles (5b, 5d, 5f) of short length in relation to that of such walls, so as to form a multiplicity of parallel electrostatic cells within each of which is contained a fixed polarizing electrode (11; 111) located parallel to such walls and baffles and passing around the rear end of such baffles (5b, 5d, 5f) stretched between supports (12, 12a) integral with the air-purification device, such combination making it possible to ensure both the stable setting of such continuous polarizing electrode (11, 111) between each pair of walls and the removal of an individual cell (5), each of such electrostatic cells being furthermore subdivided in a longitudinal sense by at least one fin (9) of lower height than that of such walls and baffles. <IMAGE>

IPC 1-7

B03C 3/40; **B03C 3/36**; **B03C 3/08**

IPC 8 full level

B03C 3/08 (2006.01); **B03C 3/36** (2006.01); **B03C 3/40** (2006.01)

CPC (source: EP)

B03C 3/08 (2013.01); **B03C 3/36** (2013.01); **B03C 3/40** (2013.01)

Citation (search report)

- [YA] US 3654747 A 19720411 - REMICK CASSIUS D
- [Y] FR 37850 E 19310124 - CIE DES MINES D OSTRICOURT
- [A] DE 2658511 A1 19780706 - SACHS SYSTEMTECHNIK GMBH
- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 349 (C - 456)<2796> 14 November 1987 (1987-11-14)
- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 332 (C - 455)<2779> 29 November 1987 (1987-11-29)

Cited by

WO2007085430A1; FR2886870A1; KR101988565B1; US8157901B2; JP2011143376A; WO2006134435A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0579310 A1 19940119; IT 226775 Z2 19970701; IT MI920703 U1 19940114; IT MI920703 V0 19920714

DOCDB simple family (application)

EP 93201913 A 19930701; IT MI920703 U 19920714