

Title (en)  
Compact electrofilter.

Title (de)  
Kompakt-Elektrofilter.

Title (fr)  
Electrofiltre compact.

Publication  
**EP 0629449 A3 19950215 (DE)**

Application  
**EP 94890103 A 19940615**

Priority  
AT 120693 A 19930618

Abstract (en)  
[origin: EP0629449A2] Compact electrofilter comprising a plurality of parallel precipitation electrodes 4 which are constructed as perpendicularly aligned plates and have cutouts 41, preferably holes, in the region of at least their lower, preferably all their corners, and comprising furthermore a plurality of bar (pencil) electrodes 5, extending parallel to an edge of the precipitation electrodes 4 and arranged in a suspended frame parallel to the precipitation electrodes 4, as emission electrodes to which a negative high voltage is applied, which electrodes 4, 5 are arranged in a housing 1 provided with at least in each case one inlet and outlet duct 2, 3 tapering away from the electrodes. In order for its dimensions and operating parameters to be adaptable to the conditions of small to medium boiler systems and yet to produce a precipitation performance which is optimum in relation to its dimensions, it is provided that at least one frame part 51 of the suspension of the emission electrodes 5 is guided through the cutouts 41 in the precipitation electrodes 4, and the precipitation electrodes 4 are guided up to the start of each tapering section of the inlet duct 2 and outlet duct 3. <IMAGE>

IPC 1-7  
**B03C 3/08**; **B03C 3/86**; **B03C 3/70**; **B03C 3/41**; **B03C 3/76**

IPC 8 full level  
**B03C 3/011** (2006.01); **B03C 3/08** (2006.01); **B03C 3/40** (2006.01); **B03C 3/41** (2006.01); **B03C 3/76** (2006.01); **B03C 3/86** (2006.01)

CPC (source: EP)  
**B03C 3/011** (2013.01); **B03C 3/08** (2013.01); **B03C 3/40** (2013.01); **B03C 3/41** (2013.01); **B03C 3/76** (2013.01); **B03C 3/766** (2013.01); **B03C 3/86** (2013.01); **B03C 2201/10** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0629449 A2 19941221**; **EP 0629449 A3 19950215**

DOCDB simple family (application)  
**EP 94890103 A 19940615**