

Title (en)

ELECTROSTATIC FILTER FOR CONTINUOUS SEPARATION OF SOLID OR LIQUID PARTICLES SUSPENDED IN A GAS STREAM

Publication

**EP 0345309 B1 19920415 (DE)**

Application

**EP 88909507 A 19881117**

Priority

CH 463787 A 19871127

Abstract (en)

[origin: WO8904724A1] An electrostatic filter for continuous separation of solid or liquid particles in a gas stream flowing in a channel (2) comprises spray electrodes (3) consisting of points (4) arranged perpendicular to the direction of flow, rotating flat separating electrodes (5) which travel over drums (11) and are cleaned by strippers (12) and rotating brushes (13), and one or more rows of control electrodes (6) in the form of rods arranged parallel to the separating electrodes (5). The separating electrodes (6) are located inside and/or outside the feed and return sides of the separating electrodes (5) and are at a potential of the same polarity as the spray electrodes (3). The particles are deposited on all sides of the separating electrodes (5) which results in a higher degree of separation.

IPC 1-7

**B03C 3/10**; **B03C 3/66**

IPC 8 full level

**B03C 3/10** (2006.01); **B03C 3/66** (2006.01)

CPC (source: EP)

**B03C 3/10** (2013.01); **B03C 3/66** (2013.01)

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**WO 8904724 A1 19890601**; AT E74801 T1 19920515; AU 2616288 A 19890614; CH 673411 A5 19900315; DE 3870231 D1 19920521; EP 0345309 A1 19891213; EP 0345309 B1 19920415

DOCDB simple family (application)

**CH 8800216 W 19881117**; AT 88909507 T 19881117; AU 2616288 A 19881117; CH 463787 A 19871127; DE 3870231 T 19881117; EP 88909507 A 19881117