

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.

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