

Title (en)

Electrostatic separator with particulate rejection means, heating system and method for operation

Title (de)

Elektrostatischer Abscheider mit Partikelabweisemittel, Heizungssystem und Verfahren zum Betrieb

Title (fr)

Séparateur électrostatique doté d'un moyen d'extraction de particules, système de chauffage et procédé de fonctionnement

Publication

EP 2062649 B1 20160127 (DE)

Application

EP 08019567 A 20081108

Priority

DE 102007056696 A 20071124

Abstract (en)

[origin: EP2062649A2] An electrostatic filter/trap (1) provided in a flow channel (3) of a cleaning device, where the channel has a wall (4) and interior (5) through which waste gas carrying particles streams into a flow device, and an electrode extending in the flow direction, for forming an electric field between the electrode and the channel wall. A particle deflection device prevents particles settling on the electrode, and in which the particle deflector comprises at least one pilot electrode unit (9) arranged in the waste gas flow direction, in front of the electrode to form an electric field. Independent claims are included for the following: (1) (A) A heating system for generating energy by combustion. (2) (B) Method for reducing deposits of particles of exhaust or waste gas on an electrode.

IPC 8 full level

B03C 3/74 (2006.01); **B03C 3/88** (2006.01)

CPC (source: EP)

B03C 3/74 (2013.01); **B03C 3/88** (2013.01)

Cited by

CN108397776A; CN112090247A

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DOCDB simple family (publication)

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