

Title (en)
Electrostatic separator and heating system

Title (de)
Elektrostatischer Abscheider und Heizungssystem

Title (fr)
Séparateur électrostatique et système de chauffage

Publication
EP 2284442 A3 20140806 (DE)

Application
EP 10172456 A 20100811

Priority
DE 102009036957 A 20090811

Abstract (en)
[origin: EP2284442A2] The precipitator (1) has a flow channel (3) comprising an inner space (5) through which a particle-containing exhaust gas flows in a flow direction (P). An electrode (6) is centrally arranged in the inner space of the channel, and forms a corona discharging zone by an electric field between the electrode and a channel wall (4). Discharge electrode sections (6a) are arranged at two positions along the electrode, where radial extensions of the electrode sections at one of the positions are same and differ from radial extensions of the sections at the other position. The discharge electrode sections are formed as discharge electrode top parts and/or discharge electrode edge parts. An independent claim is also included for a heating system comprising an electrostatic precipitator.

IPC 8 full level
B03C 3/41 (2006.01); **B03C 3/49** (2006.01); **F23J 15/02** (2006.01)

CPC (source: EP)
B03C 3/41 (2013.01); **B03C 3/49** (2013.01); **F23J 15/025** (2013.01); **B03C 2201/10** (2013.01); **F23J 2217/102** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
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