

Title (en)
SELF-REGENERATIVE ELECTROSTATIC PRECIPITATOR

Title (de)
SELBSTREGENERIERENDER ELEKTROSTATISCHER ABSCHIEDER

Title (fr)
PRÉCIPITATEUR ÉLECTROSTATIQUE AUTO-RÉGÉNÉRATEUR

Publication
EP 3112030 A1 20170104 (EN)

Application
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Priority
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Abstract (en)
The invention relates to a self-regenerative electrostatic precipitator (10) of the type comprising a discharge electrode (1) located inside a gas conduit (3) for generating a corona discharge and for depositing solid particles in suspension in a gas stream (11) circulating through the conduit (3) in a deposition layer (4) on the inner wall of the conduit (3). The electrostatic precipitator (10) comprises at least one cleaning assembly (7) arranged outside the conduit (3), each cleaning assembly (7) having at least one induction coil (6) wound around the conduit (3) for heating the wall of the conduit (3) by electromagnetic induction. The electrostatic precipitator (10) reduces emissions of solid particles in suspension in a gas stream.

IPC 8 full level
B03C 3/74 (2006.01)

CPC (source: EP)
B03C 3/74 (2013.01); **B03C 2201/12** (2013.01)

Citation (search report)

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