

Title (en)
Electrostatic separator and heating system

Title (de)
Elektrostatischer Abscheider und Heizsystem

Title (fr)
Séparateur électrostatique et système de chauffage

Publication
EP 2251088 A3 20131120 (DE)

Application
EP 10162010 A 20100505

Priority
DE 102009021072 A 20090513

Abstract (en)
[origin: EP2251088A2] The separator has a flow channel (2) provided with a channel wall (3) and a channel inner part. A loading electrode (4) e.g. corona electrode, extends in the channel inner part in a flow direction for formation of an electrical field between the loading electrode and the channel wall. A particle deviation unit prevents deposition of particles at high voltage-feed through units (5, 6). The loading electrode is provided with an electrical insulation unit (8) i.e. non-conducting casing element, in a partial area. The insulation unit consists of ceramic tube. An independent claim is also included for a heating system, which comprises a biomass-heating unit.

IPC 8 full level
B03C 3/86 (2006.01); **B03C 3/41** (2006.01)

CPC (source: EP)
B03C 3/41 (2013.01); **B03C 3/86** (2013.01)

Citation (search report)

- [X] WO 8912731 A1 19891228 - BOSCH GMBH ROBERT [DE]
- [X] EP 0335143 A2 19891004 - MULLER JOHANNES ALFONS [DE], et al
- [A] DE 102006057705 B3 20080327 - BOSCH GMBH ROBERT [DE]
- [A] DD 259799 A1 19880907 - ENTSTAUBUNGSTECH EDGAR ANDRE [DD]

Cited by
AT515739A3; AT515739B1; CN107377219A

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)
EP 2251088 A2 20101117; EP 2251088 A3 20131120; EP 2251088 B1 20150107; DE 102009021072 A1 20101125

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EP 10162010 A 20100505; DE 102009021072 A 20090513