

Title (en)
METHOD FOR CONTROLLING A DEVICE FOR ELECTROSTATIC PARTICLE SEPARATION IN GAS FLOWS, AND CONTROL UNIT THEREFOR

Title (de)
VERFAHREN ZUR STEUERUNG EINER VORRICHTUNG FÜR DIE ELEKTROSTATISCHE PARTIKELABSCHEIDUNG IN GASSTRÖMEN, SOWIE STEUERUNGSEINHEIT HIERZU

Title (fr)
PROCEDE DE COMMANDE D'UN DISPOSITIF DE SEPARATION ELECTROSTATIQUE DE PARTICULES DANS DES FLUX GAZEUX ET UNITE DE COMMANDE ASSOCIEE

Publication
EP 1732695 A1 20061220 (DE)

Application
EP 05714729 A 20050331

Priority

- CH 2005000187 W 20050331
- CH 6182004 A 20040408

Abstract (en)
[origin: WO2005097332A1] The invention is based on the measured capacitance between a measuring electrode which is formed either by the corona electrode itself or a separate flue gas pipe section (7) which is arranged inside the flue gas channel (1) and through which section the flue gas flows, and the flue gas channel (1) itself. The capacitance is measured and used as a reference variable for control of the device. It consists of an electric conductive flue gas pipe section (7) which is electrically insulated inside the electrically conductive flue gas channel (1) and through which the flue gas is intended to flow. A measuring device (10) is also provided in order to measure capacitance between the flue gas pipe section (7) and the flue gas channel (1). An electronic control unit (9) is also provided in order to switch the device which uses the measured capacitance as a reference variable.

IPC 8 full level
B03C 3/68 (2006.01); **B03C 3/49** (2006.01)

CPC (source: EP)
B03C 3/49 (2013.01); **B03C 3/68** (2013.01)

Citation (search report)
See references of WO 2005097332A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005097332 A1 20051020; AT E431190 T1 20090515; DE 502005007280 D1 20090625; EP 1732695 A1 20061220; EP 1732695 B1 20090513

DOCDB simple family (application)
CH 2005000187 W 20050331; AT 05714729 T 20050331; DE 502005007280 T 20050331; EP 05714729 A 20050331