Title (en)
A method and a control system for controlling the operation of a last field of an electrostatic precipitator

Title (de)
Verfahren und Steuersystem zur Steuerung des Betriebs des letzten Feldes eines elektrostatischen Filters

Title (fr)
Procédé et système de contrôle des opérations du dernier champ d'un sélecteur électrostatique

Publication
EP 2338603 A1 20110629 (EN)

Application
EP 11161670 A 20070305

Priority
EP 07103491 A 20070305

Abstract (en)
An electrostatic precipitator (1) has a last field (14) being provided with discharge electrodes (16), collecting electrodes (18) and a rapping device (22), which is adapted for cleaning the collecting electrodes (18) by means of rapping them. A control system (30) for controlling the dust particle emission from the electrostatic precipitator (1) comprises a control device (38), which is operative for adjusting, based on a relation between a magnitude (H) of a selected dust particle emission peak caused by a selected rapping and the time (t) between said selected rapping and its immediately preceding rapping, at least one parameter chosen from the group of: the time (t) to elapse until a rapping is to be executed in the last field (14), and the type of rapping to be executed in the last field (14).

IPC 8 full level
B03C 3/76 (2006.01)

CPC (source: EP)
B03C 3/763 (2013.01)

Citation (applicant)
- US 4502872 A 19850305 - IVESTER FRANK D [US], et al
- WO 9108837 A1 19910627 - FLAEKT AB [SE]

Citation (search report)
- [X] US 4432062 A 19840214 - HERKLOTZ HELMUT [DE], et al
- [X] US 4521223 A 19850604 - DAAR HORST [DE], et al
- [X] US 4624685 A 19861125 - LUECKENOTTE DONALD L [US], et al
- [X] US 3754379 A 19730828 - BRIDGES R, et al
- [I] US 3480765 A 19691125 - ROUXEL ROLAND, et al
- [A] DE 2436043 A1 19760205 - SAARBERGWERKE AG

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 LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1967275 A1 20080910; EP 2338603 A1 20110629; TW 200900153 A 20090101; TW I405615 B 20130821; WO 2008109594 A1 20080912

DOCDB simple family (application)
EP 07103491 A 20070305; EP 11161670 A 20070305; TW 97107538 A 20080304; US 2008055779 W 20080304