

Title (en)
ELECTROSTATIC FILTER

Title (de)
ELEKTROFILTER

Title (fr)
ELECTROFILTRE

Publication
EP 2451582 A1 20120516 (DE)

Application
EP 10741897 A 20100708

Priority
• EP 2010004169 W 20100708
• DE 102009032910 A 20090710
• DE 102009060254 A 20091223

Abstract (en)
[origin: WO2011003610A1] The invention relates to an electrostatic filter, comprising a housing having a portion that has an at least approximately circular cross-section for conducting through a particle-carrying gas flow in a longitudinal direction (L) perpendicular to the cross-section. In the housing, a plurality of precipitation plates are arranged, which are oriented in parallel to one another forming channels extending in the longitudinal direction. In each of at least some of the channels, at least one electrode frame (1) having a plurality of elongate electrodes (8) is arranged. Applying a high voltage to the electrodes causes particles carried in the gas flow to deposit on the precipitation plates, wherein the electrodes (8) are immovably fixed only on a supporting member (3) of the electrode frame (1).

IPC 8 full level
B03C 3/86 (2006.01); **B03C 3/41** (2006.01); **B03C 3/49** (2006.01)

CPC (source: EP)
B03C 3/41 (2013.01); **B03C 3/49** (2013.01); **B03C 3/86** (2013.01); **B03C 2201/06** (2013.01); **B03C 2201/08** (2013.01)

Citation (search report)
See references of WO 2011003610A1

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

DOCDB simple family (publication)
DE 102009060254 A1 20110113; BR 112012000646 A2 20160210; BR 112012000646 B1 20190903; CN 102574132 A 20120711; CN 102574132 B 20141126; EP 2451582 A1 20120516; EP 2451582 B1 20130424; JP 2012532017 A 20121213; JP 5553895 B2 20140716; PL 2451582 T3 20130930; TW 201102168 A 20110116; WO 2011003610 A1 20110113

DOCDB simple family (application)
DE 102009060254 A 20091223; BR 112012000646 A 20100708; CN 201080032178 A 20100708; EP 10741897 A 20100708; EP 2010004169 W 20100708; JP 2012518824 A 20100708; PL 10741897 T 20100708; TW 99122623 A 20100709