

Title (en)
ELECTROSTATIC DUST SEPARATOR

Title (de)
ELEKTROSTATISCHER STAUBABSCHEIDER

Title (fr)
DEPOUSSIÈREUR ELECTROSTATIQUE

Publication
EP 1286779 A1 20030305 (DE)

Application
EP 01943449 A 20010525

Priority
• AT 9902000 A 20000606
• EP 0106020 W 20010525

Abstract (en)
[origin: WO0194023A1] The invention relates to an electrostatic dust separator (8) for a horizontal gas flow, comprising a housing (2) which is substantially rotationally symmetrical to a central housing axis (3). Said dust separator also comprises an input connection piece (1) which extends the housing diameter (D) by 80 to 95 % in a single cone-shaped section (10). The remaining extension of 5 to 20 % of the housing diameter (D) is carried out in the form of a step (5) which is substantially perpendicular and radially symmetrical to the housing axis (3). Said dust separator also comprises at least two gas distribution perforated plates (6, 6', 6'') which are placed in the cone-shaped section (10) and which are arranged in such a way that they are substantially perpendicular to the housing axis.

IPC 1-7
B03C 3/011; **B03C 3/36**; **B03C 3/019**; **B03C 3/82**

IPC 8 full level
B03C 3/011 (2006.01); **B03C 3/019** (2006.01); **B03C 3/36** (2006.01); **B03C 3/82** (2006.01)

CPC (source: EP KR US)
B03C 3/011 (2013.01 - EP KR US); **B03C 3/019** (2013.01 - EP US); **B03C 3/36** (2013.01 - EP US); **B03C 3/82** (2013.01 - EP US)

Citation (search report)
See references of WO 0194023A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0194023 A1 20011213; AT 409347 B 20020725; AT A9902000 A 20011215; AT E435071 T1 20090715; AU 6602601 A 20011217; BR 0111523 A 20030722; BR 0111523 B1 20140909; CA 2411777 A1 20021202; CN 100342976 C 20071017; CN 1444510 A 20030924; DE 50114960 D1 20090813; EP 1286779 A1 20030305; EP 1286779 B1 20090701; KR 100735174 B1 20070703; KR 20030007879 A 20030123; NO 20025721 D0 20021128; NO 20025721 L 20030124; US 2003159585 A1 20030828; US 7022166 B2 20060404

DOCDB simple family (application)
EP 0106020 W 20010525; AT 01943449 T 20010525; AT 9902000 A 20000606; AU 6602601 A 20010525; BR 0111523 A 20010525; CA 2411777 A 20010525; CN 01813417 A 20010525; DE 50114960 T 20010525; EP 01943449 A 20010525; KR 20027016581 A 20010525; NO 20025721 A 20021128; US 29757203 A 20030425