

Title (en)
ELECTROSTATIC COLLECTOR

Title (de)
ELEKTROSTATISCHER KOLLEKTOR

Title (fr)
COLLECTEUR ÉLECTROSTATIQUE

Publication
EP 3160651 B1 20220831 (FR)

Application
EP 15731911 A 20150625

Priority
• FR 1455908 A 20140625
• EP 2015064344 W 20150625

Abstract (en)
[origin: WO2015197747A1] Electrostatic collector comprising a collection chamber delimited by a tubular wall oriented along a first axis; a discharge electrode, of elongate form, extending along said first axis; a collection electrode intended to be disposed inside the collection chamber against the wall, characterized in that the discharge electrode (10) comprises an end (10-1), in the shape of a tip, said end being disposed opposite the collection electrode; a first part, slender (10a) of a first diameter, emerging on said tip-shaped end, a second part (10b) of a second diameter, the second diameter being greater than or equal to twice the first diameter, the second diameter being preferably between 2 and 6 times the first diameter; and a sudden widening (11), extending between the first part (10a) and the second part (10b).

IPC 8 full level
B03C 3/06 (2006.01); **B03C 3/12** (2006.01); **B03C 3/41** (2006.01); **B03C 3/49** (2006.01); **B03C 3/86** (2006.01)

CPC (source: EP US)
B03C 3/06 (2013.01 - EP US); **B03C 3/12** (2013.01 - EP US); **B03C 3/41** (2013.01 - EP US); **B03C 3/49** (2013.01 - EP US);
B03C 3/86 (2013.01 - EP US); **B03C 2201/06** (2013.01 - EP US); **B03C 2201/08** (2013.01 - EP US); **B03C 2201/28** (2013.01 - EP US)

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 RS SE SI SK SM TR

DOCDB simple family (publication)
FR 3022806 A1 20160101; FR 3022806 B1 20190621; EP 3160651 A1 20170503; EP 3160651 B1 20220831; US 10384214 B2 20190820;
US 2017203304 A1 20170720; WO 2015197747 A1 20151230

DOCDB simple family (application)
FR 1455908 A 20140625; EP 15731911 A 20150625; EP 2015064344 W 20150625; US 201515321589 A 20150625