

Title (en)

Device for the contactless removal of electrostatic charge from a double-charge layer

Title (de)

Vorrichtung zur kontaktlosen Beseitigung einer elektrostatischen Doppelladungsschicht

Title (fr)

Appareil de décharge sans contact d'électricité statique d'une couche à double charge

Publication

EP 1802178 B1 20190522 (DE)

Application

EP 06118255 A 20060801

Priority

- DE 102005061332 A 20051221
- DE 202006009823 U 20060623

Abstract (en)

[origin: DE202006009823U1] The device (10) for contactless removal of an electrostatic electrical double layer from a flat electrically insulating material (11) has a contactless compensating device (16-19) for the feed of charge particles to the flat material in a first region for compensation of the charges at least in one layer plane of the double layer, an electrically conducting element (13) for forming an electrical near field in a second region, and a field strength measuring device (15) allocated to the second region. The compensating unit on the input side is connected to the field strength measuring device.

IPC 8 full level

H05F 3/04 (2006.01)

CPC (source: EP)

H05F 3/04 (2013.01)

Cited by

CN113406708A; DE102007049529A1; CN103222086A; US8064184B2; WO2012065695A3

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 202006009823 U1 20061116; EP 1802178 A2 20070627; EP 1802178 A3 20101229; EP 1802178 B1 20190522

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