

Title (en)

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

Title (de)

Vorrichtung zur kontaktlosen Beseitigung einer elektrostatischen Doppelladungsschicht

Title (fr)

Appareil de décharge sans contact d'électricité statique d'un matériau à deux couches

Publication

**EP 1802178 A3 20101229 (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)

Citation (search report)

- [X1] US 2004085705 A1 20040506 - ZARETSKY MARK C [US], et al
- [A] DE 10354168 A1 20050623 - ELTEX ELEKTROSTATIK GMBH [DE]
- [A] DE 4224698 A1 19940127 - KODAK AG [DE]
- [A] US 6674630 B1 20040106 - GEFTER PETER [US], et al
- [A] EP 1155834 A2 20011121 - HEIDELBERGER DRUCKMASCH AG [DE]

Cited by

CN113406708A; DE102007049529A1; CN103222086A; US8064184B2; WO2012065695A3

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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

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