

Title (en)
Electrostatic dust-sticky cleaning device

Title (de)
Elektrostatischer Luftreiniger

Title (fr)
Purificateur d'air électrostatique

Publication
EP 1757369 A2 20070228 (EN)

Application
EP 06016449 A 20060807

Priority
CN 200520106360 U 20050825

Abstract (en)
An electrostatic dust-sticky cleaning device comprises a handle; a driving element being a hollow rectangular box body; a pull rod being slidable in a slot of the box body; an interior of the box body being installed with a unidirectional gear; a driving belt winding around the unidirectional gear; a spindle of the unidirectional gear rotatably installed to the driving belt; a cleaning unit including a cylinder roller, a friction pad, and a semi-round cover; a second spindle of the roller being assembled to a third lateral side of the box body of the driving element. When the roller rotates, it will rub the surface of the friction pad so that the surface of the roller will generate static electrons. Thereby the accumulate dusts can be assembled to the gap between the semi-round cover and the roller.

IPC 8 full level
B03C 3/28 (2006.01); **A47L 13/40** (2006.01); **B03C 7/00** (2006.01)

CPC (source: EP)
B03C 3/28 (2013.01); **B03C 7/006** (2013.01)

Cited by
CN111329417A; CN102808528A; CN109894427A; CN102835842A; CN113140858A; CN107694754A; DE102015204708A1; WO2016146392A1; US10362922B2

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)
EP 1757369 A2 20070228; **EP 1757369 A3 20080625**; CN 2817719 Y 20060920

DOCDB simple family (application)
EP 06016449 A 20060807; CN 200520106360 U 20050825