

Title (en)  
Electrostatic dust-sticky cleaning device

Title (de)  
Elektrostatisher 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

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Designated extension state (EPC)  
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