

Title (en)  
Filtering device for vaccum cleaner

Title (de)  
Filtervorrichtung für Staubsauger

Title (fr)  
Dispositif de filtration pour aspirateur

Publication  
**EP 1584279 A3 20061122 (EN)**

Application  
**EP 04022770 A 20040924**

Priority  
KR 20040023522 A 20040406

Abstract (en)  
[origin: US2005217067A1] A filtering device for a vacuum cleaner comprises: a casing having a collecting space therein, a suction opening through which air including dust is sucked and a discharge opening through which purified air is discharged; a filter installed at the internal space of the casing, for filtering dust from air sucked through the suction opening; and a filter cleaning unit disposed to encompass an outer circumferential surface of the filter, for cleaning the filter by being rotated by a rotation force of air sucked through the suction opening. Accordingly, the filtering device can remove fine dust attached to the filter in a cleaning operation, thereby preventing a channel of the filter from being closed with the dust.

IPC 8 full level  
**A47L 9/10** (2006.01); **A47L 9/20** (2006.01)

CPC (source: EP KR US)  
**A47L 9/10** (2013.01 - KR); **A47L 9/20** (2013.01 - EP US)

Citation (search report)

- [X] JP 2003310507 A 20031105 - SANYO ELECTRIC CO
- [X] EP 1136028 A2 20010926 - SHARP KK [JP]
- [X] WO 0238025 A1 20020516 - MATSUSHITA ELECTRIC CORP [US], et al
- [E] EP 1574160 A1 20050914 - LG ELECTRONICS INC [KR]

Cited by  
ES2268998A1; US9756999B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL HR LT LV MK

DOCDB simple family (publication)  
**US 2005217067 A1 20051006**; AU 2004212623 A1 20051020; AU 2004212623 B2 20061102; CN 1679439 A 20051012; CN 1679439 B 20100526; EP 1584279 A2 20051012; EP 1584279 A3 20061122; JP 2005296623 A 20051027; KR 100585692 B1 20060607; KR 20050098186 A 20051011; RU 2004131359 A 20060410; RU 2276962 C1 20060527

DOCDB simple family (application)  
**US 94700704 A 20040921**; AU 2004212623 A 20040920; CN 200410088312 A 20041108; EP 04022770 A 20040924; JP 2004355422 A 20041208; KR 20040023522 A 20040406; RU 2004131359 A 20041026