

Title (en)  
Vacuum cleaner

Title (de)  
Staubsauger

Title (fr)  
Aspirateur de poussière

Publication  
**EP 2561786 A1 20130227 (EN)**

Application  
**EP 12187314 A 20070328**

Priority  
• EP 07740019 A 20070328  
• JP 2006099864 A 20060331

Abstract (en)  
A vacuum cleaner (10) includes an electric blower (24) that sucks dust through a suction connecting port, a first dust separating unit (55) for separating the dust and air sucked into the suction connecting port from each other, and a pleat filter (104) for separating the dust and air passing through the first dust separating unit (55). The vacuum cleaner (10) further includes an external-air introducing air passage (650) for introducing external air toward an upstream side of the pleat filter (104), a rotational fan (800) for dropping off dust adhering to the pleat filter (104) by the introduced external air, and a return air passage (640) for returning the dust dropped off from the rotating fan (800) toward the upstream side of the first dust separating unit (55) by the introduced external air.

IPC 8 full level  
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CPC (source: EP KR US)  
**A47L 9/10** (2013.01 - KR); **A47L 9/16** (2013.01 - KR); **A47L 9/20** (2013.01 - EP KR US)

Citation (applicant)  
JP 2004358135 A 20041224 - TOSHIBA TEC KK

Citation (search report)  
• [X] WO 2005053497 A1 20050616 - ELECTROLUX AB [SE], et al  
• [A] CH 244583 A 19460930 - HOOVER LTD [GB]

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**EP 2002774 A2 20081217; EP 2002774 A4 20120307; EP 2002774 A9 20090506**; CN 101466296 A 20090624; CN 101466296 B 20120620; EP 2561786 A1 20130227; JP 2007268124 A 20071018; JP 4041150 B2 20080130; KR 101074541 B1 20111017; KR 20080109791 A 20081217; RU 2008143222 A 20100510; RU 2396066 C2 20100810; US 2009133212 A1 20090528; WO 2007114141 A1 20071011

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**EP 07740019 A 20070328**; CN 200780019649 A 20070328; EP 12187314 A 20070328; JP 2006099864 A 20060331; JP 2007056581 W 20070328; KR 20087023932 A 20070328; RU 2008143222 A 20070328; US 29443207 A 20070328