

Title (en)  
VACUUM CLEANER

Title (de)  
STAUBSAUGER

Title (fr)  
ASPIRATEUR

Publication  
**EP 1733668 A4 20080611 (EN)**

Application  
**EP 04799465 A 20041102**

Priority  
• JP 2004016262 W 20041102  
• JP 2004113338 A 20040407  
• JP 2004119454 A 20040414

Abstract (en)  
[origin: EP1733668A1] An electric vacuum cleaner includes a vacuum cleaner body (11) in which a connection port communicating with a suction inlet is formed and a dust-collecting case chamber (21) communicated with the connecting port is formed, a dust-collecting case, which is detachably installed into the dust-collecting case chamber (21), has a suction port communicating with the connection port and accumulates dust sucked from the suction port, and an electric blower fan having a suction opening communicating with the dust-collecting case installed into the dust-collecting case chamber; a hole (41) that the dust-collecting case chamber (21) is communicated with the external air is provided, a button (42) is openably and closably provided in the hole (41), the button (42) closes the hole (41) when the dust-collecting case is installed into the dust-collecting case chamber (21), and when the dust-collecting case is not installed, the button (42) moves downward by the driving of the electric blower fan, and the hole (41) is opened not to suck dust due to the communication of the dust-collecting chamber with the external air.

IPC 8 full level  
**A47L 9/10** (2006.01); **A47L 9/14** (2006.01); **A47L 9/16** (2006.01); **A47L 9/20** (2006.01)

CPC (source: EP)  
**A47L 9/102** (2013.01); **A47L 9/108** (2013.01); **A47L 9/1409** (2013.01); **A47L 9/1472** (2013.01); **A47L 9/20** (2013.01)

Citation (search report)  
• [XA] DE 2848750 A1 19800522 - LICENTIA GMBH  
• [XA] US 3745965 A 19730717 - LJUNG H, et al  
• [X] US 4733431 A 19880329 - MARTIN WILLIAM J [US]  
• [A] US 2515425 A 19500718 - RESTEMEIER EDWARD F  
• See references of WO 2005099544A1

Cited by  
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Designated contracting state (EPC)  
DE FR GB

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**EP 1733668 A1 20061220**; **EP 1733668 A4 20080611**; **EP 1733668 B1 20110713**; **EP 1733668 B9 20120222**; RU 2006139028 A 20080520;  
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