

Title (en)  
EXHAUST STRUCTURE OF VACUUM CLEANER

Title (de)  
STAUBSAUGERABLUFTRUKTUR

Title (fr)  
STRUCTURE D ÉVACUATION D ASPIRATEUR

Publication  
**EP 1921966 A4 20100310 (EN)**

Application  
**EP 06783640 A 20060817**

Priority  
• KR 2006003234 W 20060817  
• KR 20050075745 A 20050818

Abstract (en)  
[origin: WO2007021144A1] Disclosed herein is an exhaust structure of a vacuum cleaner. The exhaust structure of the vacuum cleaner comprises a main body 10 having a suction port 12 and a discharge port 14 formed thereon, a suction fan 62 positioned inside the discharge port 14, a dust container 50 mounted at one side of a flow passage between the suction port 12 and the discharge port 14 and having a suction opening 52 and an exhaust opening 54 formed at one side thereof, and an exhaust conduit 82 extending between the exhaust opening 54 and the discharge port 14. The exhaust structure prevents reduction in vacuum force by air leakage resulting from inclination of a dust container towards one side, and permits reduction in use of a sealing material.

IPC 8 full level  
**A47L 9/00** (2006.01); **A47L 9/16** (2006.01)

CPC (source: EP KR US)  
**A47L 5/225** (2013.01 - EP US); **A47L 5/28** (2013.01 - EP KR US); **A47L 9/00** (2013.01 - KR); **A47L 9/0081** (2013.01 - EP US);  
**A47L 9/10** (2013.01 - KR); **A47L 9/1683** (2013.01 - EP US)

Citation (search report)  
• [X] GB 2368005 A 20020424 - SAMSUNG KWANGJU ELECTRONICS CO [KR]  
• [X] US 2005055794 A1 20050317 - MARSHALL JAMES D [CA], et al  
• [X] US 2004244139 A1 20041209 - LEE BYUNG-JO [KR]  
• [A] GB 2358126 A 20010718 - SAMSUNG KWANGJU ELECTRONICS CO [KR]  
• See references of WO 2007021144A1

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**WO 2007021144 A1 20070222**; CN 101242768 A 20080813; EP 1921966 A1 20080521; EP 1921966 A4 20100310; JP 2009504308 A 20090205;  
KR 100730944 B1 20070622; US 2007039124 A1 20070222

DOCDB simple family (application)  
**KR 2006003234 W 20060817**; CN 200680030061 A 20060817; EP 06783640 A 20060817; JP 2008526883 A 20060817;  
KR 20050075745 A 20050818; US 50642506 A 20060818