

Title (en)  
Vacuum cleaner

Title (de)  
Staubsauger

Title (fr)  
Aspirateur

Publication  
**EP 1808113 A2 20070718 (EN)**

Application  
**EP 06008559 A 20060425**

Priority  
KR 20060004025 A 20060113

Abstract (en)  
A vacuum cleaner comprises a suction unit (10) optimally structured to reduce noise, and can maneuver the suction unit with a small maneuvering force. The vacuum cleaner comprises a body (11) to generate suction force, and the suction unit (10) connected with the body (11) to suck dust. The suction unit (10) comprises a case (20) defining an outer appearance, a base plate (30) constituting a bottom surface of the suction unit (10) and being formed with a suction port (31) through which the dust is sucked into the suction unit (10), a plurality of wheels (40a,40b) attached to at least one of front opposite sides and rear opposite sides of the suction unit (10) to allow the suction unit (10) to roll on a floor, and a connecting rod (41b) connecting the wheels (40a,40b) with each other and having a reversed arch-shaped outer periphery gradually decreased in diameter towards a center of the connecting rod (41b).

IPC 8 full level  
**A47L 9/02** (2006.01); **A47L 9/00** (2006.01)

CPC (source: EP KR)  
**A47L 9/0081** (2013.01 - EP); **A47L 9/009** (2013.01 - EP); **A47L 9/02** (2013.01 - EP); **E01D 2/02** (2013.01 - KR); **E01D 2101/285** (2013.01 - KR)

Citation (applicant)  
• US 1654186 A 19271227 - NULSEN MARVIN E  
• US 2006005350 A1 20060112 - KIM KYOUNG-WOUNG [KR]  
• US 2620506 A 19521209 - WEILAND EDWARD A  
• US 1560400 A 19251103 - VANDER PUTTEN JOHN R  
• EP 1488726 A1 20041222 - SEB SA [FR]  
• US 4238870 A 19801216 - FAHLEN KARL L [SE]

Cited by  
EP2989952A3; DE102015104436A1; CN106166044A; CN106166045A; CN106166046A; US9737184B2

Designated contracting state (EPC)  
DE FR GB

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1808113 A2 20070718**; **EP 1808113 A3 20090819**; **EP 1808113 B1 20140924**; KR 101211497 B1 20121212; KR 20070075598 A 20070724; RU 2319435 C1 20080320

DOCDB simple family (application)  
**EP 06008559 A 20060425**; KR 20060004025 A 20060113; RU 2006116255 A 20060511