

Title (en)  
Vacuum cleaner

Title (de)  
Staubsauger

Title (fr)  
Aspirateur

Publication  
**EP 1839550 A3 20081224 (EN)**

Application  
**EP 07006453 A 20070329**

Priority  
JP 2006099860 A 20060331

Abstract (en)  
[origin: EP1839550A2] The vacuum cleaner includes a vacuum cleaner body (20) having a dust collector (60) and an electric blower (33) for producing an intake negative pressure in the dust collector, a filter (100) for separating dust absorbed in the dust collector with air by the negative pressure, and a dust dumping member (304) for dumping the dust attached to the filter by vibrating the filter. Moreover, the vacuum cleaner includes a handle (200) mounted on the vacuum cleaner body for carrying the vacuum cleaner body, the handle being movable in a vertical direction between a storing position and a using position; a storage spring (323) for energizing the handle to the storing position; and a power transmission unit (300A) for driving the dust dumping member by linking with the vertical movement of the handle.

IPC 8 full level  
**A47L 9/20** (2006.01); **A47L 9/26** (2006.01); **A47L 9/32** (2006.01)

CPC (source: EP KR US)  
**A47L 9/10** (2013.01 - KR); **A47L 9/20** (2013.01 - EP KR US); **A47L 9/26** (2013.01 - EP US); **A47L 9/327** (2013.01 - EP US)

Citation (search report)

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- [Y] JP S50139561 A 19751107
- [XY] JP 2004358117 A 20041224 - TOSHIBA TEC KK
- [Y] JP S50139563 A 19751107
- [X] US 2594417 A 19520429 - GERBER DALE C
- [X] US 2192357 A 19400305 - WARD LEATHERS
- [A] JP S59183722 A 19841018 - SANYO ELECTRIC CO

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CN110831474A; EP3662805A4; EP3219239A4; WO2021089379A1

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

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1839550 A2 20071003; EP 1839550 A3 20081224; EP 1839550 B1 20120718**; CN 101044963 A 20071003; CN 101044963 B 20120229; JP 2007268120 A 20071018; JP 4881047 B2 20120222; KR 100813352 B1 20080312; KR 20070098717 A 20071005; RU 2007111805 A 20081010; RU 2352242 C2 20090420; US 2007226953 A1 20071004

DOCDB simple family (application)  
**EP 07006453 A 20070329**; CN 200710090624 A 20070330; JP 2006099860 A 20060331; KR 20070031501 A 20070330; RU 2007111805 A 20070330; US 72965507 A 20070329