

Title (en)

Vacuum cleaner having decreased noise and vibration

Title (de)

Staubsauger mit Geräusch- und Schwingungsreduzierung

Title (fr)

Aspirateur presentant une reduction des bruits et des vibrations

Publication

EP 1852048 A2 20071107 (EN)

Application

EP 06125798 A 20061211

Priority

KR 20060040106 A 20060503

Abstract (en)

A vacuum cleaner includes a main body; a cyclone dust separation unit provided on the main body; and a cover installed on the main body and covering at least a portion of the cyclone dust separation unit for reducing noise generated from the cyclone dust separation unit.

IPC 8 full level

A47L 9/00 (2006.01)

CPC (source: EP KR)

A47L 9/00 (2013.01 - KR); **A47L 9/0081** (2013.01 - EP); **A47L 9/10** (2013.01 - KR); **A47L 9/16** (2013.01 - KR); **A47L 9/1641** (2013.01 - EP)

Citation (third parties)

Third party :

KR 100553042 B1 20060215 - LG ELECTRONICS INC [KR]

Cited by

GB2534304A

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1852048 A2 20071107; **EP 1852048 A3 20110302**; **EP 1852048 B1 20121017**; AU 2006249292 A1 20071122; AU 2006249292 B2 20090226; CN 101066199 A 20071107; CN 101066199 B 20110518; JP 2007296316 A 20071115; JP 4824535 B2 20111130; KR 101282457 B1 20130717; KR 20070107508 A 20071107; RU 2006143775 A 20080620; RU 2335228 C1 20081010

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EP 06125798 A 20061211; AU 2006249292 A 20061211; CN 200610168848 A 20061211; JP 2006333685 A 20061211; KR 20060040106 A 20060503; RU 2006143775 A 20061211