

Title (en)

A vacuum cleaner having motor damping structure

Title (de)

Staubsauger mit Motordämpfungsstruktur

Title (fr)

Aspirateur ayant une structure d'amortissement de moteur

Publication

EP 2959816 A1 20151230 (EN)

Application

EP 14192199 A 20141107

Priority

CN 201410301150 A 20140627

Abstract (en)

The present invention discloses a vacuum cleaner having motor damping structure, whose internal motor cover is hung and fixed inside an external motor cover through a cantilever. This vacuum cleaner of the present invention can effectively reduce the amount of vibration produced by high-speed rotation of the motor that is transferred to the outer surface of the vacuum cleaner, which reduces the vibration noise of the vacuum cleaner in operation, and weakens the numb feeling of hand when a hand is in contact with the outer surface of the vacuum cleaner, thereby enhancing the user experience.

IPC 8 full level

A47L 9/00 (2006.01); **A47L 9/22** (2006.01)

CPC (source: EP)

A47L 9/0081 (2013.01); **A47L 9/22** (2013.01)

Citation (search report)

- [X] GB 2142526 A 19850123 - SHARP KK
- [X] DE 4100858 A1 19920716 - SIEMENS AG [DE]
- [X] WO 2009101775 A1 20090820 - TOSHIBA KK [JP], et al
- [A] US 4597131 A 19860701 - LYMAN JOHN B [US]

Cited by

CN109088507A; CN109715021A; CN114812294A; EP3685723A1; WO2018028740A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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