

Title (en)  
VACUUM CLEANER

Title (de)  
STAUBSAUGER

Title (fr)  
ASPIRATEUR

Publication  
**EP 3424394 A1 20190109 (EN)**

Application  
**EP 17760279 A 20170227**

Priority

- KR 20160024022 A 20160229
- KR 20160062452 A 20160520
- KR 20160108676 A 20160825
- KR 20160184117 A 20161230
- KR 20170001590 A 20170104
- KR 2017002168 W 20170227

Abstract (en)  
A vacuum cleaner includes a cleaner body, a suction hose mounted at a front surface of the cleaner body to suck in dust, moving wheels provided at both sides of the cleaner body, rotating to move the cleaner body and rotatably supporting the cleaner body, wheel motors connected to the moving wheels and rotating the moving wheels, a detecting part provided in the cleaner body and sensing inclination of the cleaner body to determine whether the cleaner moves and stops, a plurality of detecting members provided at a front surface of the cleaner body and located at both sides of the suction hose to detect an obstacle, and a controller for controlling the wheel motors according to detected signals of the detecting part and the obstacle detecting members.

IPC 8 full level  
**A47L 9/28** (2006.01); **B25J 9/00** (2006.01); **B25J 11/00** (2006.01); **B25J 19/00** (2006.01); **B25J 19/02** (2006.01); **G05D 1/02** (2006.01)

CPC (source: EP RU US)  
**A47L 5/362** (2013.01 - EP US); **A47L 9/00** (2013.01 - EP); **A47L 9/0081** (2013.01 - EP US); **A47L 9/009** (2013.01 - EP US); **A47L 9/108** (2013.01 - EP); **A47L 9/122** (2013.01 - EP); **A47L 9/1608** (2013.01 - EP); **A47L 9/1683** (2013.01 - EP); **A47L 9/22** (2013.01 - EP); **A47L 9/242** (2013.01 - EP US); **A47L 9/28** (2013.01 - EP); **A47L 9/2805** (2013.01 - EP US); **A47L 9/2852** (2013.01 - EP US); **A47L 9/2857** (2013.01 - EP RU US); **A47L 9/2884** (2013.01 - EP US); **A47L 9/327** (2013.01 - EP)

Cited by  
CN114617487A; CN110419983A; CN110801968A; CN113455962A; CN115243592A; US11737630B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

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