

Title (en)  
VACUUM CLEANER

Title (de)  
STAUBSAUGER

Title (fr)  
ASPIRATEUR

Publication  
**EP 3424394 A4 20191127 (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)  
[origin: EP3424394A1] 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 5/36** (2006.01); **A47L 9/00** (2006.01); **A47L 9/28** (2006.01)

CPC (source: EP RU US)  
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Citation (search report)

- [YA] WO 2009022759 A1 20090219 - LG ELECTRONICS INC [KR], et al
- [YA] DE 102012101589 A1 20130829 - MIELE & CIE [DE]
- [A] KR 20080099373 A 20081113 - LG ELECTRONICS INC [KR]
- [A] CN 101554303 B 20120502 - LG ELECTRONICS TIANJIN
- See also references of WO 2017150875A1

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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 17760279 A 20170227**; AU 2017226697 A 20170227; AU 2020200551 A 20200124; CN 201780013324 A 20170227; EP 21173270 A 20170227; JP 2018544181 A 20170227; RU 2018134146 A 20170227