

Title (en)
VACUUM CLEANER

Title (de)
STAUBSAUGER

Title (fr)
ASPIRATEUR

Publication
EP 3453299 A4 20200311 (EN)

Application
EP 17792890 A 20170502

Priority
• KR 20160054853 A 20160503
• KR 20160108414 A 20160825
• KR 2017004664 W 20170502

Abstract (en)
[origin: KR20170124937A] The present invention relates to a vacuum cleaner including: a cleaner body; and a dust collecting device disposed on the cleaner body. The dust collecting device includes: a first cyclone installed inside an outer case and configured to filter out foreign substances and dust from air introduced from the outside and to introduce, into the inside, the air from which the foreign substances and dust are filtered out; a second cyclone accommodated in the first cyclone and configured to separate fine dust from the air introduced into the first cyclone; and a rotating member disposed below the first cyclone, configured to be rotatable, and defining a first storage portion for collecting the foreign substances and dust filtered out by the first cyclone between the rotating member and the outer case, wherein the rotating member is provided with a skirt portion extending downward to be inclined outwardly from an upper portion thereof.

IPC 8 full level
A47L 9/16 (2006.01)

CPC (source: EP KR RU US)
A47L 5/362 (2013.01 - EP US); **A47L 9/108** (2013.01 - EP); **A47L 9/16** (2013.01 - RU); **A47L 9/1608** (2013.01 - EP US);
A47L 9/1616 (2013.01 - KR); **A47L 9/1625** (2013.01 - EP); **A47L 9/1633** (2013.01 - EP US); **A47L 9/1641** (2013.01 - EP US);
A47L 9/165 (2013.01 - EP KR US); **A47L 9/1658** (2013.01 - EP); **A47L 9/1666** (2013.01 - EP US); **A47L 9/1683** (2013.01 - EP KR US)

Citation (search report)
• [XAI] DE 202015008649 U1 20160329 - LG ELECTRONICS INC [KR]
• [IA] EP 3001939 A1 20160406 - LG ELECTRONICS INC [KR]
• See references of WO 2017191988A1

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

DOCDB simple family (publication)
DE 212017000123 U1 20181212; AU 2017260477 A1 20181115; AU 2017260477 B2 20190801; AU 2017260479 A1 20181115;
AU 2017260479 B2 20190718; AU 2017260480 A1 20181115; AU 2017260480 B2 20190620; CN 109068919 A 20181221;
CN 109068919 B 20220128; CN 209421835 U 20190924; CN 209437159 U 20190927; DE 212017000125 U1 20181221;
EP 3453299 A1 20190313; EP 3453299 A4 20200311; EP 3453299 B1 20230419; KR 101852437 B1 20180427; KR 101856504 B1 20180511;
KR 101858067 B1 20180518; KR 20170124936 A 20171113; KR 20170124937 A 20171113; KR 20170124938 A 20171113;
RU 2698846 C1 20190830; TW 201740853 A 20171201; TW 201740864 A 20171201; TW 201740865 A 20171201; TW I636757 B 20181001;
TW I636764 B 20181001; TW I653963 B 20190321

DOCDB simple family (application)
DE 212017000123 U 20170502; AU 2017260477 A 20170502; AU 2017260479 A 20170502; AU 2017260480 A 20170502;
CN 201780027282 A 20170502; CN 201790000815 U 20170502; CN 201790000820 U 20170502; DE 212017000125 U 20170502;
EP 17792890 A 20170502; KR 20160108414 A 20160825; KR 20160108418 A 20160825; KR 20160108420 A 20160825;
RU 2018142299 A 20170502; TW 106114540 A 20170502; TW 106114541 A 20170502; TW 106114542 A 20170502