

Title (en)
AUTONOMOUS TRAVEL-TYPE CLEANER

Title (de)
AUTONOMER BEWEGLICHER REINIGER

Title (fr)
DISPOSITIF DE NETTOYAGE DE TYPE À DÉPLACEMENT AUTONOME

Publication
EP 3162265 A4 20171108 (EN)

Application
EP 15814216 A 20150629

Priority
• JP 2014135124 A 20140630
• JP 2014136524 A 20140702
• JP 2015051343 A 20150313
• JP 2015003242 W 20150629

Abstract (en)
[origin: EP3162265A1] Self-travelling vacuum cleaner (10) has body (20) having suction port (101), drive unit (30), and an electric fan. Since suction port (101) is disposed in a maximum width part of body (20) closer than drive unit (30), self-travelling vacuum cleaner (10) can suck a trash on a corner in a target region to be cleaned easily and can move from the corner to another area quickly.

IPC 8 full level
A47L 9/28 (2006.01); **A47L 9/00** (2006.01); **A47L 9/02** (2006.01); **A47L 9/04** (2006.01)

CPC (source: EP US)
A47L 9/00 (2013.01 - EP US); **A47L 9/009** (2013.01 - EP US); **A47L 9/02** (2013.01 - EP US); **A47L 9/0472** (2013.01 - EP US); **A47L 9/0477** (2013.01 - EP US); **A47L 9/0488** (2013.01 - EP US); **A47L 9/1409** (2013.01 - EP US); **A47L 9/22** (2013.01 - EP US); **A47L 9/28** (2013.01 - EP US); **A47L 9/2815** (2013.01 - EP US); **A47L 9/2826** (2013.01 - EP US); **A47L 9/2857** (2013.01 - EP US); **A47L 9/2873** (2013.01 - EP US); **A47L 9/2884** (2013.01 - EP US); **A47L 9/2894** (2013.01 - EP US); **A47L 2201/022** (2013.01 - EP US); **A47L 2201/04** (2013.01 - EP US)

Citation (search report)
• [XYI] JP 2013106820 A 20130606 - MITSUBISHI ELECTRIC CORP, et al
• [XYI] JP H05207955 A 19930820 - SANYO ELECTRIC CO
• [XYI] JP S63127310 A 19880531 - SANYO ELECTRIC CO
• [XYI] US 2005055792 A1 20050317 - KISELA DAVID [US], et al
• [I] WO 2014054423 A1 20140410 - SHARP KK [JP]
• [A] WO 2007008148 A1 20070118 - ELECTROLUX AB [SE], et al
• [I] KR 20130128485 A 20131126 - IROBOT CORP [US]
• [I] US 2004158357 A1 20040812 - LEE JU-SANG [KR], et al
• [I] EP 1760564 A2 20070307 - SAMSUNG KWANGJU ELECTRONICS CO [KR]
• [I] EP 2120122 A1 20091118 - IROBOT CORP [US]
• [I] US 2008276407 A1 20081113 - SCHNITTMAN MARK [US], et al
• See references of WO 2016002186A1

Cited by
WO2022262987A1

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)
EP 3162265 A1 20170503; EP 3162265 A4 20171108; EP 3162265 B1 20191225; CN 106535729 A 20170322; JP 2017080564 A 20170518; JP 2017080565 A 20170518; JP 2018061847 A 20180419; JP 2018065061 A 20180426; JP 2018065062 A 20180426; JP 2019195705 A 20191114; JP 2019195706 A 20191114; JP 2019213911 A 20191219; JP 2020099802 A 20200702; JP 6167316 B2 20170726; JP 6167318 B2 20170726; JP 6678349 B2 20200408; JP 6678352 B2 20200408; JP 6706770 B2 20200610; JP WO2016002186 A1 20170525; US 2017100007 A1 20170413; WO 2016002186 A1 20160107

DOCDB simple family (application)
EP 15814216 A 20150629; CN 201580034774 A 20150629; JP 2015003242 W 20150629; JP 2016531102 A 20150629; JP 2017022745 A 20170210; JP 2017022746 A 20170210; JP 2017242274 A 20171219; JP 2018019712 A 20180207; JP 2018019713 A 20180207; JP 2019150785 A 20190821; JP 2019150786 A 20190821; JP 2019150787 A 20190821; JP 2020066375 A 20200402; US 201615386864 A 20161221