

Title (en)
CLEANING PAD

Title (de)
REINIGUNGSPAD

Title (fr)
TAMPON DE NETTOYAGE

Publication
EP 3453300 A1 20190313 (EN)

Application
EP 18202105 A 20141111

Priority

- US 201361902838 P 20131112
- US 201314077296 A 20131112
- US 201462059637 P 20141003
- EP 14861203 A 20141111
- US 2014065004 W 20141111

Abstract (en)

In one example, the present disclosure relates to a mobile floor cleaning robot 100 comprising a robot body 110, a drive 120 supporting the robot body 110 to maneuver the robot 100 across a surface. The drive 120 comprises drive wheels 124a, 124b. A cleaning assembly 160 is disposed on the robot body 110. The cleaning assembly 160 comprises a pad holder 190 disposed forward of the drive wheels and configured to receive a cleaning pad 400 and a fluid applicator 162. The fluid applicator 162 is configured to apply the fluid along a forward drive direction F forward of the pad holder 190. The robot 100 is configured to apply fluid to a floor surface at an initial volumetric flow rate. The initial volumetric flow rate is relatively higher than a subsequent second volumetric flow rate.

IPC 8 full level
A47L 9/28 (2006.01); **A47L 11/34** (2006.01); **A47L 11/40** (2006.01); **A47L 13/22** (2006.01); **A47L 13/256** (2006.01); **A47L 13/26** (2006.01); **B25J 13/00** (2006.01); **G05D 1/02** (2006.01)

CPC (source: CN EP KR)
A47L 9/2852 (2013.01 - KR); **A47L 11/28** (2013.01 - EP); **A47L 11/284** (2013.01 - CN); **A47L 11/4036** (2013.01 - CN); **A47L 11/4052** (2013.01 - CN); **A47L 11/4066** (2013.01 - CN); **A47L 11/4072** (2013.01 - CN); **A47L 11/408** (2013.01 - EP); **A47L 11/4083** (2013.01 - CN); **A47L 11/4088** (2013.01 - EP); **A47L 13/17** (2013.01 - KR); **A47L 13/22** (2013.01 - EP KR); **A47L 13/256** (2013.01 - EP); **A47L 13/26** (2013.01 - EP); **D06M 17/00** (2013.01 - KR); **A47L 2201/00** (2013.01 - EP KR); **D10B 2509/00** (2013.01 - KR)

Citation (search report)

- [X] JP 2012176279 A 20120913 - IROBOT CORP
- [I] US 2009281661 A1 20091112 - DOOLEY MICHAEL [US], et al
- [I] WO 0191623 A2 20011206 - PROCTER & GAMBLE [US]
- [I] EP 1695652 A1 20060830 - SAMSUNG KWANGJU ELECTRONICS CO [KR]

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)
WO 2015073429 A1 20150521; AU 2014348883 A1 20150827; AU 2014348883 B2 20170615; AU 2014348883 C1 20171109; AU 2016259361 A1 20161208; AU 2016259361 B2 20180222; AU 2018203583 A1 20180614; AU 2018203583 B2 20190815; CN 105120726 A 20151202; CN 105120726 B 20180608; CN 107028564 A 20170811; CN 107028564 B 20200421; CN 108378786 A 20180810; CN 108378786 B 20240510; CN 108514386 A 20180911; EP 2945521 A1 20151125; EP 2945521 A4 20170215; EP 2945521 B1 20181024; EP 3453300 A1 20190313; EP 3453300 B1 20231018; ES 2703924 T3 20190313; JP 2016520354 A 20160714; JP 2017080522 A 20170518; JP 2019048130 A 20190328; JP 2021000475 A 20210107; JP 2021164652 A 20211014; JP 2023052443 A 20230411; JP 6165317 B2 20170719; JP 6440752 B2 20181219; JP 6763930 B2 20200930; JP 6896926 B2 20210630; JP 7214788 B2 20230130; KR 101880832 B1 20180720; KR 20160085815 A 20160718

DOCDB simple family (application)
US 2014065004 W 20141111; AU 2014348883 A 20141111; AU 2016259361 A 20161116; AU 2018203583 A 20180522; CN 201480009726 A 20141111; CN 201710052994 A 20141111; CN 201810208366 A 20141111; CN 201810585075 A 20141111; EP 14861203 A 20141111; EP 18202105 A 20141111; ES 14861203 T 20141111; JP 2016507913 A 20141111; JP 2017016559 A 20170201; JP 2018216945 A 20181120; JP 2020151923 A 20200910; JP 2021095892 A 20210608; JP 2023005254 A 20230117; KR 20167015168 A 20141111