

Title (en)  
CLEANING ROBOT

Title (de)  
REINIGUNGSROBOTER

Title (fr)  
ROBOT DE NETTOYAGE

Publication  
**EP 2762050 A4 20150909 (EN)**

Application  
**EP 12837316 A 20120830**

Priority

- JP 2011214458 A 20110929
- JP 2011214461 A 20110929
- JP 2012071945 W 20120830

Abstract (en)

[origin: EP2762050A1] A cleaning robot that comprises: a main case (2) having a suction port (6) opened in the lower surface thereof and an exhaust port (7) opened in the upper surface thereof, that is self-propelled on a floor surface (F); an electric fan (22) arranged inside the main case (2); a dust collection unit (30) arranged in the center of the main case (2), in a planar view, that collects dust in airflow sucked in from the suction port (6) by the driving force of the electric fan (22); and a battery (14) that supplies power to each section. The electric fan (22) is arranged on one side relative to the dust collection unit (30) and the battery (14) is arranged on the other side.

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

CPC (source: EP KR US)  
**A47L 5/22** (2013.01 - EP US); **A47L 9/00** (2013.01 - KR); **A47L 9/009** (2013.01 - EP US); **A47L 9/04** (2013.01 - KR); **A47L 9/28** (2013.01 - KR); **A47L 2201/00** (2013.01 - EP US)

Citation (search report)

- [X] EP 1849391 A2 20071031 - SAMSUNG ELECTRONICS CO LTD [KR]
- [XA] US 2006032013 A1 20060216 - KIM YOUNG-GIE [KR]
- See also references of WO 2013047073A1

Cited by  
EP4154779A3

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 2762050 A1 20140806; EP 2762050 A4 20150909; EP 2762050 B1 20191002**; CN 103813742 A 20140521; CN 103813742 B 20171013; KR 101536542 B1 20150713; KR 20140041905 A 20140404; SG 2014014997 A 20140627; TW 201318590 A 20130516; TW I513443 B 20151221; US 2014201941 A1 20140724; WO 2013047073 A1 20130404

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