

Title (en)
Robot cleaning system

Title (de)
Reinigungsrobotersystem

Title (fr)
Système robot nettoyeur

Publication
EP 1806085 A3 20080723 (EN)

Application
EP 06121185 A 20060925

Priority
KR 20060001920 A 20060106

Abstract (en)
[origin: EP1806085A2] A robot cleaning system having a general cleaning function using a cleaner (100) and a cleaning robot (10) charging function using a cleaning robot. The robot cleaning system includes a cleaner (100) that performs manual cleaning while being moved by a user in an area to be cleaned and a charger (140) to be connected to the cleaning robot (10) that performs automatic cleaning, so as to charge a rechargeable battery (60) mounted in the cleaning robot (10). A body of the cleaner has a space (S) for receiving the cleaning robot (10) when the cleaning robot (10) returns to the cleaner (100) for the sake of charging. A power terminal (141) is provided at a surface of the body defining the receiving space (S) to supply electric power to the cleaning robot (10).

IPC 8 full level
A47L 5/36 (2006.01); **A47L 9/00** (2006.01); **A47L 9/28** (2006.01)

CPC (source: EP KR US)
A47L 5/362 (2013.01 - EP US); **A47L 9/00** (2013.01 - KR); **A47L 9/009** (2013.01 - EP US); **A47L 9/28** (2013.01 - KR);
A47L 9/2805 (2013.01 - EP US); **A47L 9/2852** (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 2201/00** (2013.01 - EP US); **A47L 2201/022** (2013.01 - EP US)

Citation (search report)
• [X] ES 2238196 A1 20050816 - TAURUS SL ELECTRODOMESTICOS [ES]
• [A] JP 2003180587 A 20030702 - SHARP KK
• [A] JP 2003304992 A 20031028 - HITACHI LTD

Cited by
EP2596733A1; CN102613944A; CN114224233A; EP2898808A1; US9000715B2; WO2021117976A1; US10886763B1; US11502523B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
EP 06121185 A 20060925; CN 200610142373 A 20061011; JP 2006294748 A 20061030; KR 20060001920 A 20060106;
US 52754806 A 20060927