

Title (en)

ROBOT VACUUM CLEANER AND METHOD FOR WIPING THE FLOOR USING ROBOT VACUUM CLEANER

Title (de)

STAUBSAUGERROBOTER UND VERFAHREN ZUM WISCHEN DES BODENS MIT EINEM STAUBSAUGERROBOTER

Title (fr)

ASPIRATEUR ROBOT ET PROCÉDÉ POUR ESSUYER LE SOL À L'AIDE D'UN ASPIRATEUR ROBOT

Publication

EP 4245202 A1 20230920 (EN)

Application

EP 22162210 A 20220315

Priority

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Abstract (en)

A robot vacuum cleaner comprising: a main body configured to be driven on a surface and having a suction mouth with a brush roller configured to suck in debris from the surface; a driving wheels and a mop module having a wiping pad wherein the wiping pad is movable sideways. A method for wiping the floor using the robot vacuum cleaner wherein the cleaning route includes: an initial phase when the robot vacuum cleaner goes from a docking station to the starting point, the first working phase when the robot vacuum cleaner goes in first direction and a second working phase when the robot vacuum cleaner goes back in opposite direction wherein the position of the wiping pad depends on the phase of the robot vacuum cleaner cleaning route. The present invention enables a robot vacuum cleaner with a mop function in which the cleaning is more effective thanks to active positioning of the wiping pad. The wiping method provides that the driving wheels does not leave wet tracks on the cleaning surface.

IPC 8 full level

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CPC (source: EP)

A47L 11/4036 (2013.01); **A47L 13/20** (2013.01); **A47L 2201/06** (2013.01)

Citation (applicant)

- WO 2020103835 A1 20200528 - SHANGHAI NANMU ROBOT TECH CO LTD [CN]
- US 2004255425 A1 20041223 - ARAI YUTAKA [JP], et al

Citation (search report)

- [XA] WO 2021063415 A1 20210408 - QFEELTECH BEIJING CO LTD [CN]
- [A] EP 3804599 A1 20210414 - POSITEC POWER TOOLS SUZHOU CO LTD [CN]
- [A] EP 3666151 A1 20200617 - LG ELECTRONICS INC [KR]

Designated contracting state (EPC)

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