

Title (en)

AUTOMATIC CLEANING DEVICE CONTROL METHOD AND APPARATUS, AND MEDIUM AND ELECTRONIC DEVICE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG EINER AUTOMATISCHEN REINIGUNGSVORRICHTUNG SOWIE MEDIUM UND ELEKTRONISCHE VORRICHTUNG

Title (fr)

PROCÉDÉ ET APPAREIL DE COMMANDE DE DISPOSITIF DE NETTOYAGE AUTOMATIQUE, AINSI QUE SUPPORT ET DISPOSITIF ÉLECTRONIQUE

Publication

**EP 4292495 A1 20231220 (EN)**

Application

**EP 22752304 A 20220209**

Priority

- CN 202110184809 A 20210210
- CN 2022075726 W 20220209

Abstract (en)

An automatic cleaning device control method, an automatic cleaning device control apparatus, a computer-readable storage medium and an electronic device (2800). The control method comprises: when an automatic cleaning device (2000) performs cleaning in a first surface medium area (2002), in response to a surface medium sensor triggering a surface medium change signal, determining whether the automatic cleaning device (2000) is located in a second surface medium area (2001) (S2110); and in response to determining that the automatic cleaning device (2000) is located in the second surface medium area (2001), according to a map of the second surface medium area (2001) and the current position of the automatic cleaning device (2000), controlling the automatic cleaning device (2000) to deviate from the second surface medium area in a direction perpendicular to an edge of the second surface medium area (2001) (S2120). An automatic cleaning device (2000) can be helped so that same comes out from the inside of the second surface medium area (2001) as soon as possible.

IPC 8 full level

**A47L 11/24** (2006.01); **A47L 11/40** (2006.01)

CPC (source: CN EP US)

**A47L 11/24** (2013.01 - CN EP); **A47L 11/284** (2013.01 - EP); **A47L 11/40** (2013.01 - EP); **A47L 11/4002** (2013.01 - CN US);  
**A47L 11/4011** (2013.01 - CN US); **A47L 11/4036** (2013.01 - CN EP); **A47L 11/4041** (2013.01 - EP); **A47L 11/4058** (2013.01 - EP);  
**A47L 11/4061** (2013.01 - CN EP US); **A47L 11/4066** (2013.01 - EP); **A47L 11/4069** (2013.01 - EP); **A47L 11/4088** (2013.01 - EP);  
**A47L 11/4094** (2013.01 - EP); **A47L 2201/06** (2013.01 - EP US)

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4292495 A1 20231220**; CN 112790672 A 20210514; CN 112790672 B 20220826; CN 115089056 A 20220923; US 2024090735 A1 20240321;  
WO 2022171144 A1 20220818

DOCDB simple family (application)

**EP 22752304 A 20220209**; CN 202110184809 A 20210210; CN 2022075726 W 20220209; CN 202210952783 A 20210210;  
US 202218264830 A 20220209