

Title (en)

Self-propelled floor cleaning apparatus and method for operating a floor cleaning apparatus

Title (de)

Selbsttätig verfahrbares Bodenreinigungsgerät und Verfahren zum Betreiben eines Bodenreinigungsgerätes

Title (fr)

Appareil de nettoyage du sol à déplacement automatique et procédé de fonctionnement d'un appareil de nettoyage du sol

Publication

**EP 2710944 A3 20180404 (DE)**

Application

**EP 13184490 A 20130916**

Priority

DE 102012108802 A 20120919

Abstract (en)

[origin: EP2710944A2] The device (1) has elongated barriers that are provided with a carpet edge (14) in an increasing obstacle surface at a traverse direction. A component configured to detect the obstacle. The obstacle is cleaned in adjacent area and extension of the obstacle is oriented with respect to the barrier surface. The lateral distance in traversing edge of the floor cleaning device to the obstacle surface is lower than the width perpendicular to the direction of travel. An independent claim is included for a method for operating an automatically movable floor-cleaning appliance.

IPC 8 full level

**A47L 9/28** (2006.01); **A47L 9/04** (2006.01)

CPC (source: EP US)

**A47L 9/0488** (2013.01 - EP US); **A47L 9/2826** (2013.01 - EP US); **A47L 9/2831** (2013.01 - EP US); **A47L 11/24** (2013.01 - US); **A47L 2201/04** (2013.01 - EP US); **A47L 2201/06** (2013.01 - EP US)

Citation (search report)

- [A] US 2007271004 A1 20071122 - KIM YEON-HO [KR], et al
- [A] US 2007267570 A1 20071122 - PARK DONG-RYEOL [KR], et al
- [A] JP 2004049592 A 20040219 - MATSUSHITA ELECTRIC IND CO LTD
- [A] DE 10242257 A1 20030424 - VORWERK CO INTERHOLDING [DE]

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

DOCDB simple family (publication)

**EP 2710944 A2 20140326; EP 2710944 A3 20180404; EP 2710944 B1 20201216**; CN 103654619 A 20140326; CN 103654619 B 20180619; DE 102012108802 A1 20140320; ES 2846782 T3 20210729; JP 2014061375 A 20140410; JP 6505965 B2 20190424; US 11006804 B2 20210518; US 2014075689 A1 20140320

DOCDB simple family (application)

**EP 13184490 A 20130916**; CN 201310543173 A 20130922; DE 102012108802 A 20120919; ES 13184490 T 20130916; JP 2013193801 A 20130919; US 201314029948 A 20130918