

Title (en)

METHOD FOR TREATING A FLOOR SURFACE AND FLOOR-TREATING DEVICE

Title (de)

VERFAHREN ZUM BEARBEITEN EINER BODENFLÄCHE UND BODENBEARBEITUNGSGERÄT

Title (fr)

PROCÉDÉ DE TRAITEMENT D'UNE SURFACE DE SOL ET APPAREIL POUR LE TRAITEMENT DE SOLS

Publication

EP 3177974 A1 20170614 (DE)

Application

EP 14747943 A 20140806

Priority

EP 2014066940 W 20140806

Abstract (en)

[origin: WO2016019996A1] The invention relates to a method for treating a floor surface with a self-propelling and self-steering floor-treating device, wherein the treatment of the floor surface is based on a pattern along which the floor-treating device is driven, wherein the pattern has paths lying laterally next to one another, and wherein respective treatment areas are detected and treated in turn by the floor-treating device as the latter travels along a path. In order to provide a method of this type with which the floor surface can be treated in a simple manner covering as much of the surface as possible, it is proposed according to the invention that the pattern is adapted to the size and/or the contour of the floor surface such that respective paths with a treatment area adjacent to the boundary run along mutually opposite boundaries of the floor surface, and paths lying in between are arranged in such a manner that all of the floor surface is treated, wherein the relative position of at least two paths lying next to one another is selected such that at least some sections of their treatment areas overlap. The invention also relates to a floor-treating device for carrying out the method.

IPC 8 full level

G05D 1/02 (2006.01)

CPC (source: EP US)

A47L 9/28 (2013.01 - US); **A47L 11/24** (2013.01 - US); **A47L 11/28** (2013.01 - US); **A47L 11/4011** (2013.01 - US); **G05D 1/0219** (2024.01 - EP US); **A47L 2201/04** (2013.01 - 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

DOCDB simple family (publication)

WO 2016019996 A1 20160211; CN 106575121 A 20170419; CN 106575121 B 20200403; EP 3177974 A1 20170614; JP 2017526063 A 20170907; JP 6626879 B2 20191225; US 10338595 B2 20190702; US 2017147000 A1 20170525

DOCDB simple family (application)

EP 2014066940 W 20140806; CN 201480080991 A 20140806; EP 14747943 A 20140806; JP 2017505612 A 20140806; US 201715424222 A 20170203