

Title (en)

DEVICE FOR MANAGING THE MOVEMENTS OF A ROBOT, AND ASSOCIATED TREATMENT ROBOT

Title (de)

VORRICHTUNG ZUR VERWALTUNG DER BEWEGUNGEN EINES ROBOTERS UND ZUGEHÖRIGER BEHANDLUNGSROBOTER

Title (fr)

DISPOSITIF DE GESTION DES DEPLACEMENTS D'UN ROBOT ET ROBOT DE SOIN ASSOCIE

Publication

**EP 3645218 A1 20200506 (FR)**

Application

**EP 18731147 A 20180621**

Priority

- FR 1755812 A 20170626
- EP 2018066672 W 20180621

Abstract (en)

[origin: WO2019002104A1] The invention relates to a device for managing the movements of a robot configured to treat a surface, said device including: - acquisition means (14) for acquiring a three-dimensional representation (Re) of said surface to be treated; and - determination means for determining a sequence of movements on the basis of said three-dimensional representation (Re) of said surface to be treated; - said determination means comprising at least one three-dimensional generic model (m1-m3) for which a plurality of sequences of movements (Tx) are known; - said device including adjustment means (18, 23) for adjusting said generic model (m1-m3) with said three-dimensional representation (Re) of said surface to be treated that are able to deform said generic model (m1-m3) and known sequences of movements (Tx) so as to correspond to said three-dimensional representation (Re) of said surface to be treated.

IPC 8 full level

**B25J 9/16** (2006.01); **G05B 19/401** (2006.01)

CPC (source: EP KR US)

**A61B 5/0064** (2013.01 - KR); **A61B 5/1077** (2013.01 - KR); **A61F 7/00** (2013.01 - KR); **A61H 9/0057** (2013.01 - KR); **A61H 23/02** (2013.01 - KR); **B25J 9/161** (2013.01 - KR); **B25J 9/1664** (2013.01 - KR); **B25J 9/1697** (2013.01 - EP KR US); **B25J 11/00** (2013.01 - KR); **G05B 19/401** (2013.01 - EP US); **A61H 2201/1659** (2013.01 - KR); **A61H 2230/855** (2013.01 - KR); **G05B 2219/37205** (2013.01 - EP US); **G05B 2219/37208** (2013.01 - EP); **G05B 2219/45084** (2013.01 - EP US)

Citation (search report)

See references of WO 2019002104A1

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 2019002104 A1 20190103**; CA 3067555 A1 20190103; CN 110785269 A 20200211; CN 110785269 B 20230407; EP 3645218 A1 20200506; FR 3067957 A1 20181228; FR 3067957 B1 20201023; JP 2020525306 A 20200827; JP 7097956 B2 20220708; KR 102500626 B1 20230215; KR 20200023646 A 20200305; SG 11201912547U A 20200130; US 11338443 B2 20220524; US 2021154852 A1 20210527

DOCDB simple family (application)

**EP 2018066672 W 20180621**; CA 3067555 A 20180621; CN 201880042150 A 20180621; EP 18731147 A 20180621; FR 1755812 A 20170626; JP 2020520716 A 20180621; KR 20207002557 A 20180621; SG 11201912547U A 20180621; US 201816625704 A 20180621