

Title (en)

METHOD FOR GUIDING A ROBOT ARM, GUIDANCE SYSTEM

Title (de)

VERFAHREN ZUR FÜHRUNG EINES ROBOTHERARMES, FÜHRUNGSSYSTEM

Title (fr)

PROCEDE DE GUIDAGE D'UN BRAS ROBOT, SYSTEME DE GUIDAGE

Publication

**EP 3941690 A1 20220126 (FR)**

Application

**EP 20711201 A 20200319**

Priority

- FR 1902944 A 20190321
- EP 2020057704 W 20200319

Abstract (en)

[origin: WO2020188064A1] Disclosed is a method for real-time guidance of a robot arm (6) for the treatment of surface data of a body, comprising the steps of: ■ generating a model of a body (MOD\_P) comprising a mesh (M1, M2) of points; ■ planning a treatment path (TRAJ1) on the surface of the body model (MOD\_S) by means of a computer; sensor parameters ■ activating at least one emission from an emitter and/or one acquisition by a sensor of an operator device (8), said operator device (8) being arranged at the distal end of the robotic arm (6), the activation being carried out when the orientation of the sensor or emitter axis is coincident with a predefined straight line passing through the target point (PCIBLE), said target point (PCIBLE) being referenced on the generated body model (MOD\_P).

IPC 8 full level

**B25J 9/16** (2006.01); **A61B 34/10** (2016.01)

CPC (source: EP IL KR US)

**A61B 34/10** (2016.02 - EP IL KR); **A61B 34/20** (2016.02 - KR); **A61B 34/30** (2016.02 - KR US); **A61B 90/37** (2016.02 - KR); **B25J 9/161** (2013.01 - KR); **B25J 9/1664** (2013.01 - KR); **B25J 9/1689** (2013.01 - KR); **B25J 9/1697** (2013.01 - EP IL KR); **G06T 17/205** (2013.01 - US); **A61B 2034/105** (2016.02 - EP IL KR US); **A61B 2034/107** (2016.02 - KR US); **A61B 2034/2055** (2016.02 - KR US); **A61B 2034/2059** (2016.02 - KR); **A61B 2034/2063** (2016.02 - US); **A61B 2034/2065** (2016.02 - KR); **A61B 2090/365** (2016.02 - KR); **A61B 2090/366** (2016.02 - KR); **G05B 2219/35117** (2013.01 - EP IL); **G05B 2219/40424** (2013.01 - EP IL KR); **G05B 2219/40512** (2013.01 - EP IL KR); **G05B 2219/45117** (2013.01 - EP IL KR); **G05B 2219/45122** (2013.01 - EP IL KR); **G06T 2210/41** (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 2020188064 A1 20200924**; AU 2020243171 A1 20211014; CN 113766997 A 20211207; EP 3941690 A1 20220126; FR 3094124 A1 20200925; FR 3094124 B1 20220812; IL 286522 A 20211031; JP 2022528499 A 20220613; KR 20210154811 A 20211221; SG 11202110331V A 20211028; US 2022183775 A1 20220616

DOCDB simple family (application)

**EP 2020057704 W 20200319**; AU 2020243171 A 20200319; CN 202080031626 A 20200319; EP 20711201 A 20200319; FR 1902944 A 20190321; IL 28652221 A 20210919; JP 2021559474 A 20200319; KR 20217034032 A 20200319; SG 11202110331V A 20200319; US 202017438197 A 20200319