Title (en)
METHOD FOR CALIBRATING A ROBOT

Title (de)
VERFAHREN ZUR KALIBRIERUNG EINES ROBOTERS

Title (fr)
PROCÉDÉ D'ÉTALONNAGE D'UN ROBOT

Publication
EP 4337426 A1 20240320 (DE)

Application
EP 22734214 A 20220602

Priority
• EP 21188706 A 20210730
• EP 2022065010 W 20220602

Abstract (en)
[origin: WO2023006283A1] The invention relates to a method for calibrating a robot (2). A working space (AR) of the robot (2) at least partly overlaps with a working space (AW) of a machining and/or production tool (4). In the method, the robot (2) is moved such that a reference point of the robot is at a first position within the working space (AW) of the machining and/or production tool (4); a first position value for the robot (2) at the first position is compared with a first position value for the machining and/or production tool (4) at the position; if the first position value for the robot (2) differs from the first position value for the machining and/or production tool (4), the first position value for the robot (2) is corrected or the first position value for the machining and/or production tool (4) is corrected such that the first position value for the robot (2) and the first position value for the machining and/or production tool (4) are the same.

IPC 8 full level
B25J 9/16 (2006.01); **G05B 19/401** (2006.01); **G05B 19/418** (2006.01)

CPC (source: EP)
B25J 9/1692 (2013.01); G05B 19/4015 (2013.01); G05B 19/41825 (2013.01); G05B 2219/37231 (2013.01); G05B 2219/39021 (2013.01); G05B 2219/39401 (2013.01); G05B 2219/45151 (2013.01); G05B 2219/50137 (2013.01); G05B 2219/50252 (2013.01); G05B 2219/50362 (2013.01)

Citation (search report)
See references of WO 2023006283A1

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 4124417 A1 20230201; CN 117794705 A 20240329; EP 4337426 A1 20240320; WO 2023006283 A1 20230202

DOCDB simple family (application)
EP 21188706 A 20210730; CN 202280053128 A 20220602; EP 2022065010 W 20220602; EP 22734214 A 20220602