

Title (en)

METHOD AND DEVICE FOR DEFINING A MOVEMENT SEQUENCE FOR A ROBOT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM FESTLEGEN EINES BEWEGUNGSABLAUFS FÜR EINEN ROBOTER

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT DE DÉFINIR UNE SÉQUENCE DE DÉPLACEMENT D'UN ROBOT

Publication

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Application

**EP 17718911 A 20170421**

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Abstract (en)

[origin: WO2017186601A1] The present invention relates to a method and to a device for defining a movement sequence for a multi-axis manipulator (M) of a robot system, which manipulator (M) has a plurality of elements (G) which form different rotational axes, and an end element for interaction with an effector (E), wherein the effector (E) is intended to carry out at least one arbitrary operation in a working space (R), and wherein in order to carry out the at least one arbitrary operation the end element of the manipulator (M) is to be transferred into an arbitrary target pose (xi) with respect to the working space (R), wherein the manipulator (M) moves in a plurality of steps (Si;Sj) to the target pose (xi) while approaching the end element, and for each step (Si; Sj) at least one defined impedance pattern (Kx) and/or admittance pattern is defined with respect to at least one axis (AA;AG;AE;AR) which forms the axis (AA;AG;AE;AR) of a coordinate system (CA;CG;CE;CR) which is linked to the manipulator (M).

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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