

Title (en)

METHOD AND SYSTEM FOR THE PATH PLANNING OF A REDUNDANT ROBOT

Title (de)

VERFAHREN UND SYSTEM ZUR BAHNPLANUNG EINES REDUNDANTEN ROBOTERS

Title (fr)

PROCÉDÉ ET SYSTÈME POUR PLANIFIER LA TRAJECTOIRE D'UN ROBOT REDONDANT

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Application

EP 17700889 A 20170118

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Abstract (en)

[origin: WO2017129352A1] The invention relates to a method according to the invention for the at least partially automated path planning of a multi-axial robot (1) comprising the step of resolving (S20, S40, S50) a redundancy of the robot with respect to a path (B) specified in a workspace of the robot in such a way that a mixed quality criterion, which comprises an effective mass of the robot and a magnitude of a minimum collision force of the robot that can be detected on the basis of specified detection limit values for axial forces of the robot, is minimal.

IPC 8 full level

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