

Title (en)

DETERMINING A PARAMETER OF A FORCE ACTING ON A ROBOT

Title (de)

ERMITTELN EINES PARAMETERS AUF EINEN ROBOTER WIRKENDEN KRAFT

Title (fr)

DÉTERMINATION D'UN PARAMÈTRE D'UNE FORCE AGISSANT SUR UN ROBOT

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Application

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Abstract (en)

[origin: WO2020200717A1] In a method according to the invention for determining a parameter (m, a) of a force (F) acting on a robot (10) on the basis of at least one joint moment (τ_2 , τ_3) of the robot in at least one, in particular stationary, measurement pose of the robot, the joint moment is determined on the basis of a difference between a drive-side and an output-side position ($q_{ab,i} - q_{an,i}$) of a drivetrain of the joint and/or a difference between a measurement configuration with the force acting on the robot and at least one previously assumed reference configuration without this force acting on the robot.

IPC 8 full level

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CPC (source: EP)

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