

Title (en)
METHOD FOR CREATING A DATABASE OF GRIPPER POSES, METHOD FOR CONTROLLING A ROBOT, COMPUTER-READABLE STORAGE MEDIUM AND MATERIALS HANDLING SYSTEM

Title (de)
VERFAHREN ZUR ERSTELLUNG EINER DATENBANK MIT GREIFERPOSEN, VERFAHREN ZUM STEUERN EINES ROBOTERS, COMPUTERLESBARES SPEICHERMEDIUM UND HANDHABUNGSSYSTEM

Title (fr)
PROCÉDÉ POUR L'ÉTABLISSEMENT D'UNE BANQUE DE DONNÉES COMPORTANT DES POSES DE PRÉHENSEURS, PROCÉDÉ POUR LA COMMANDE D'UN ROBOT, SUPPORT D'ENREGISTREMENT LISIBLE PAR ORDINATEUR ET SYSTÈME DE MANIPULATION

Publication
EP 3612355 A1 20200226 (DE)

Application
EP 18719839 A 20180423

Priority

- DE 102017108517 A 20170421
- DE 102017108727 A 20170424
- EP 2018060264 W 20180423

Abstract (en)
[origin: WO2018193130A1] It is difficult for a robot to grip an object. More particularly, the problem of rapidly determining suitable gripper poses for gripping objects has not previously been adequately resolved. The problem addressed by the invention is therefore that of specifying a method which simplifies gripping of objects by a robot. The problem is solved by a method for creating a database (40) of gripper poses, comprising the following: a. Storing, particularly by recording, at least one training gripper pose (P, P2, P4) for gripping a training object (1), particularly with regard to a training object coordinate system (2) assigned to the training object (1); b. Generating at least one further gripper pose (P', P'') for the training object (1) using at least one object prototype (30, 30', 30'') and the training gripper pose (P, P2, P4); c. Storing the at least one further gripper pose (P') and the training gripper pose (P, P2, P4) with reference to the training object (1) in a database (40).

IPC 8 full level
B25J 9/16 (2006.01)

CPC (source: EP)
B25J 9/1612 (2013.01); **B25J 9/1697** (2013.01); **G05B 2219/39484** (2013.01); **G05B 2219/39543** (2013.01)

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 2018193130 A1 20181025; EP 3612355 A1 20200226

DOCDB simple family (application)
EP 2018060264 W 20180423; EP 18719839 A 20180423