Title (en)

METHOD AND DEVICE FOR DETERMINING A MOVEMENT PARAMETER OF A GRIPPER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG EINES BEWEGUNGSPARAMETERS EINES GREIFERS

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR DÉTERMINER UN PARAMÈTRE DE MOUVEMENT D'UNE PINCE

Publication

EP 4008817 B1 20240717 (EN)

Application

EP 20212103 A 20201207

Priority

EP 20212103 A 20201207

Abstract (en)

[origin: EP4008817A1] The invention relates to a method and a device for determining a movement parameter of a gripper (3, 5) in a gripper weaving machine, wherein the gripper (3, 5) can be driven to move back and forth using a transmission part (31, 32), wherein a drive element (12, 26) rotating with a drive shaft (7) of the gripper weaving machine is drivingly coupled via a transmission mechanism (24, 25) to the transmission part (31, 32), wherein the transmission part (31, 32) can be driven by the drive element (12, 26) to oscillate between extreme transmission part positions, wherein an amplitude of an oscillation of the transmission part (31, 32) is adjustable by setting the transmission mechanism (24, 25), and wherein the method comprises the steps of determining a change in an angular position of the drive element (12, 26) when moving the transmission part (31, 32) over a defined range (Δα), and determining the amplitude of the oscillation of the transmission part (31, 32) based on the determined change in the angular position (Δ Θ1, Δ Θ2) of the drive element (12, 26).

IPC 8 full level

D03D 47/27 (2006.01)

CPC (source: EP)

D03D 47/275 (2013.01)

Cited by

EP4372135A1; WO2024104638A1; BE1031052B1; BE1031052A1

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

DOCDB simple family (publication)

EP 4008817 A1 20220608; **EP 4008817 B1 20240717**; BE 1028809 A1 20220614; BE 1028809 B1 20221012; CN 116601348 A 20230815

DOCDB simple family (application)

EP 20212103 A 20201207; BE 202100079 A 20211103; CN 202180082441 A 20211108