

Title (en)

Control unit for controlling the angular end-of-stroke positions of the clamping arm of a locking device of the articulated lever type

Title (de)

Steuereinheit für die Steuerung der Endposition eines drehenden Spannarms einer Spanneinrichtung mit einem Gelenkhebel

Title (fr)

Unité de contrôle pour contrôler la position en fin de course d'un bras de serrage rotatif d'un dispositif de serrage à leviers articulés

Publication

EP 1524081 A3 20090520 (EN)

Application

EP 04024245 A 20041012

Priority

IT TO20030814 A 20031016

Abstract (en)

[origin: EP1524081A2] A control unit for controlling the angular end-of-stroke positions of the clamping arm of a locking device of the articulated lever type, in which the arm (12) is fastened on a rotatable shaft (16) and is controlled into rotation through a toggle joint unit (22) by the axial sliding of a control rod (20), comprises a support member (5) for supporting a pair of sensors (48, 50) which sense the passing of reference means (32, 34) connected to the rod (20) in order to control its stop when the positions of angular end-of-stroke of the arm (12) are reached. The support member (5) can be fastened to the body (2) of the device at an opening (5a) of the rear zone (3) of the device (1). The sensors (48, 50) are fixed to the support member (5) and the reference means comprise two appendages (32, 34) separated and connected to the rod (20), at least one (34) of which is associated to adjustable fastening means (28, 36, 38, 40) in order to allow to fasten it in one of a plurality of positions along the rod (20).

IPC 8 full level

B25B 5/12 (2006.01); **B25B 5/16** (2006.01)

CPC (source: EP)

B25B 5/122 (2013.01); **B25B 5/16** (2013.01)

Citation (search report)

- [X] DE 20203790 U1 20020718 - TUENKERS MASCHINENBAU GMBH [DE]
- [A] EP 0967050 A2 19991229 - GENUS TECHNOLOGIES [FR]

Cited by

EP1878539A1; CN106660194A; CN102753309A; EP3299125A1; CN104271317A; CN103567913A; EP2692482A3; EP3575035A1; US9958042B2; WO2016173653A1; WO2011060755A1; US9849568B2; WO2016162074A1; DE202016008355U1; EP3078453A1; US10625382B2; WO2013163989A1; TWI635935B; EP2844431B1

Designated contracting state (EPC)

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DOCDB simple family (application)

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