

Title (en)

Locking device of the articulated lever type for clamping workpieces

Title (de)

Verriegelungsvorrichtung mit einem Gelenkhebel zum Spannen von Werkstücken

Title (fr)

Dispositif de verouillage de type à levier articulé pour serrer des pièces à usiner

Publication

EP 1524080 B1 20071121 (EN)

Application

EP 04024241 A 20041012

Priority

IT TO20030813 A 20031016

Abstract (en)

[origin: EP1524080A1] A locking device of the articulated lever type for clamping workpieces includes a clamping arm (12) mounted on a main shaft (16) which can rotate as a result of the axial sliding of a service rod (20) through a toggle joint lever (22). A rotatable auxiliary shaft (24) is arranged inside the main shaft (16), from which a pin (26) crossing a slit (28) transverse to the main shaft (16) extends, which is adapted to cooperate with the rod (20) in order to cause the axial sliding thereof. A manual driving lever (30) can be selectively fixed to one of the ends of the auxiliary shaft (24) in order to control manually the swing of arm (12). An elastic member (32) is interposed between the main shaft (16) and the auxiliary shaft (24), which acts according to the axial direction (A) of the main shaft (16) and is operatively interposed between the main shaft (16) and the auxiliary shaft (24).
<IMAGE>

IPC 8 full level

B25B 5/12 (2006.01)

CPC (source: EP)

B25B 5/122 (2013.01)

Cited by

CN102666023A; EP1810785A1; DE102005049647B3; DE102007007271A1; CN102765062A; FR3023201A1; CN106457486A; DE202013005869U1; US8777200B2; US8454003B2; WO2011042009A1; WO2016001507A1; US8256755B2

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