

Title (en)
Centring clamping device

Title (de)
Zentrierspannvorrichtung

Title (fr)
Dispositif de serrage et centrage

Publication
EP 2433751 A3 20120404 (DE)

Application
EP 11182257 A 20110921

Priority
• DE 102010046190 A 20100923
• US 201113235610 A 20110919

Abstract (en)
[origin: EP2433751A2] The device has a movable clamping hook (2) arranged in a housing (1). A housing wall is actuated by a drive mechanism and formed for lifting and pivoting movements. The mechanism includes a lever element (3) in effective connection with the clamping hook and rotatably supported around an axle (4) arranged in the housing. The axle of the lever element is movably supported in the housing in a lifting direction. A retaining element is arranged in a semi-shell (5) for retention and movable support of the axle and includes a frame and a thrust bearing movably supported in the frame.

IPC 8 full level
B25B 5/08 (2006.01); **B25B 5/12** (2006.01)

CPC (source: EP)
B25B 5/087 (2013.01); **B25B 5/122** (2013.01)

Citation (search report)
• [X] FR 2675417 A1 19921023 - EQUIP SPECIAUX ET [FR]
• [X] US 2007045362 A1 20070301 - COLBY DOUGLAS D [US]
• [AD] DE 10238815 B3 20040226 - STA CO METTALLERZEUGNISSE GMBH [DE]

Cited by
DE102014109897A1; CN108857966A; CN105538189A; WO2016008474A1

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)
EP 2433751 A2 20120328; EP 2433751 A3 20120404

DOCDB simple family (application)
EP 11182257 A 20110921