

Title (en)
Clamping device for flat workpieces

Title (de)
Klemmvorrichtung für flache Werkstücke

Title (fr)
Dispositif de serrage pour pièces plates

Publication
EP 1380389 B1 20060809 (EN)

Application
EP 03380162 A 20030704

Priority
ES 200201600 A 20020709

Abstract (en)
[origin: EP1380389A1] Clamping device for flat workpieces comprising a mooring clamp (1) and drive means (2) to move said clamp (1) from a rest position to a mooring position and viceversa, the clamp (1) comprising a first substantially L-shaped arm (3) to hold the upper part of a workpiece (9) arranged horizontally, and a second arm (4) to hold the lower part of the workpiece (9), both arms (3,4) being connected by a rotating shaft (5), the first arm (3) being connected to the drive means (2) by a rotating shaft (6), and the second arm (4) being connected to a frame (7) by a rotating shaft (8). The drive means (2) act on the clamp (1) moving the rotating shaft (6) of the first arm (3) along a rectilinear path. <IMAGE>

IPC 8 full level
B25B 5/06 (2006.01); **B25B 5/12** (2006.01); **B25B 5/14** (2006.01)

CPC (source: EP)
B25B 5/061 (2013.01); **B25B 5/122** (2013.01)

Designated contracting state (EPC)
DE ES FR

DOCDB simple family (publication)
EP 1380389 A1 20040114; **EP 1380389 B1 20060809**; DE 60307382 D1 20060921; DE 60307382 T2 20070816; ES 2215463 A1 20041001; ES 2215463 B1 20060216; ES 2268307 T3 20070316; MX PA03005976 A 20040126

DOCDB simple family (application)
EP 03380162 A 20030704; DE 60307382 T 20030704; ES 03380162 T 20030704; ES 200201600 A 20020709; MX PA03005976 A 20030701