

Title (en)

Clamping apparatus for clamping workpieces, particularly sheets

Title (de)

Klemmvorrichtung zum Klemmen von Werkstücken, insbesondere Blättern

Title (fr)

Dispositif de serrage permettant de serrer des pièces de travail, notamment des feuilles

Publication

**EP 2626174 A1 20130814 (EN)**

Application

**EP 13000593 A 20130206**

Priority

IT TO20120106 A 20120208

Abstract (en)

An apparatus for clamping workpieces, particularly metal sheets, comprises a body (12) defining a plane of support (14, 16) for a workpiece (S) to be clamped, a hook member (20) movable between a resting position spaced from the plane of support (14, 16) and at least a clamping position of a workpiece (S), that is close to the plane of support (14, 16), and control means for controlling the movement of the hook member (20). The control means comprise a control rod (28) that is axially slidably mounted between two opposite positions, a L-shaped lever (52) that is swingably mounted with respect to the body (12) and is articulated to the hook member (20), and a connecting rod (44) the ends of which are articulated to the L-shaped lever (52) and to the control rod (28). The apparatus comprises elastic thrust means (66) adapted to cooperate with the control means to allow the coupling body (20), in its clamping position, to reach a plurality of positions close to the plane of support (14, 16) for selectively clamping workpieces (S) of a different thickness with respect to the body (12).

IPC 8 full level

**B25B 5/12** (2006.01)

CPC (source: EP)

**B25B 5/064** (2013.01); **B25B 5/122** (2013.01)

Citation (applicant)

- DE 3936396 C1 19910425
- EP 1393861 A2 20040303 - MIGLIORI LUCIANO [IT]

Citation (search report)

- [Y] EP 1393861 A2 20040303 - MIGLIORI LUCIANO [IT]
- [YA] EP 0370914 A1 19900530 - POLYMATIC SA [FR]
- [A] DE 19751950 C1 19990304 - ISI INTERNATIONAL SA [CH]
- [A] EP 0341155 A1 19891108 - GENUS INT [FR], et al
- [A] EP 2196286 A2 20100616 - VEP AUTOMATION SRL [IT]
- [A] EP 1391266 A2 20040225 - STA CO METTALLERZEUGNISSE GMBH [DE]
- [A] DE 3936396 C1 19910425

Cited by

DE102016015041A1; DE102016015041B4; EP3061568A1; EP4082720A1; IT202100010481A1; CN107470824A; DE102015006019B3; DE102016200180A1; DE102016200180A8; EP3542963A1; CN110293490A; EP3095558A1; US11135701B2; WO2020071301A1; DE202015008208U1

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 2626174 A1 20130814; EP 2626174 B1 20150701**; IT TO20120106 A1 20130809

DOCDB simple family (application)

**EP 13000593 A 20130206**; IT TO20120106 A 20120208