

Title (en)
Clamping device having a hook-shaped clamping member

Title (de)
Spannvorrichtung mit hakenförmigem Spannstück

Title (fr)
Dispositif de serrage avec patte de serrage en forme de crochet

Publication
EP 2196286 A3 20120502 (EN)

Application
EP 09015236 A 20091209

Priority
IT TO20080914 A 20081209

Abstract (en)
[origin: EP2196286A2] A hook clamping device for hooking workpieces, particularly sheets, comprises a body (10) having a relatively wide opening (18) from which a hook clamping member extends with a clearance (30), which is movable between a rear position and a forward position in which a workpiece is clamped. A translatable guard member (48) having a narrow opening (52), which is also engaged by the hook clamping member (30), is associated with the body (10) close to a wide opening (18). The guard member (48) and the hook clamping member (30) cooperate with the relatively wide opening (18) in order to keep the gap between the wide opening (18) and the hook clamping member (30) closed. The device comprises movement means (20, 22, 24, 26, 28, 32, 38, 42) including a toggle mechanism, and adapted to move the hook clamping member (30) according to an angular movement in such a manner that, in its position of rest, it is arranged substantially within the body (10).

IPC 8 full level
B25B 5/08 (2006.01); **B25B 5/12** (2006.01); **B25B 5/16** (2006.01)

CPC (source: EP)
B25B 5/087 (2013.01); **B25B 5/122** (2013.01); **B25B 5/16** (2013.01)

Citation (search report)
• [Y] DE 3938208 C1 19901122
• [YD] EP 1683606 A1 20060726 - CAPITAL FORMATION INC [US]
• [A] DE 20313040 U1 20031030 - TUENKERS MASCHINENBAU GMBH [DE]

Cited by
DE102016015041A1; DE102016015041B4; DE102015006019B3; CN107470824A; ITTO20120106A1; EP2626174A1; DE202015008208U1; EP3095558A1

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2196286 A2 20100616; EP 2196286 A3 20120502; EP 2196286 B1 20130814; IT TO20080914 A1 20100610

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