

Title (en)

Rapid securing device with locking device

Title (de)

Schnellspanner mit einem Verriegelungselement

Title (fr)

Dispositif de fixation rapide avec mécanisme de blocage

Publication

EP 1413398 A3 20081126 (DE)

Application

EP 03022370 A 20031006

Priority

DE 20216150 U 20021021

Abstract (en)

[origin: EP1413398A2] A rapid acting clamp, for clamping a workpiece to a workbench, has a pair of parallel operating levers topped by a handgrip and linked to a clamping element by a linkage. The clamp includes a ratchet and a spring loaded locking lever which automatically locks the ratchet in the clamp locking setting. The ratchet is released by a simple radial pull on the handgrip. This provides a single handed operation of the clamp. The ratchet arm is pivot mounted between the two operating arms with one end and is connected to the clamping element with the other end.

IPC 8 full level

B25B 5/16 (2006.01); **B25B 5/12** (2006.01)

CPC (source: EP)

B25B 5/12 (2013.01); **B25B 5/16** (2013.01)

Citation (search report)

- [A] US 2236439 A 19410325 - MCKENNA FRANK L
- [A] US 4141543 A 19790227 - KATO KAZUYOSHI
- [A] EP 0233537 A2 19870826 - STA CO METTALLERZEUGNISSE GMBH [DE]
- [A] GB 2285595 A 19950719 - HARTLEY GEOFFREY [GB], et al
- [A] US 4407493 A 19831004 - OKOLISCHAN RAYMOND A [US]

Cited by

DE102017212711A1; DE102017212711B4; US2016325406A1; US9757842B2; US2016318157A1; US10179394B2; US11459005B2; US8459398B2; US10800009B2; EP1591204A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

DE 20216150 U1 20030206; DE 50311725 D1 20090903; EP 1413398 A2 20040428; EP 1413398 A3 20081126; EP 1413398 B1 20090722; ES 2330319 T3 20091209

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