

Title (en)

Clamping device for clamping workpieces

Title (de)

Spannvorrichtung zum Spannen von Werkstücken

Title (fr)

Dispositif de serrage pour la fixation de pièces de travail

Publication

**EP 1046468 A3 20010214 (DE)**

Application

**EP 00107619 A 20000408**

Priority

DE 19918770 A 19990424

Abstract (en)

[origin: EP1046468A2] The clamping arrangement for workpieces has a hydraulically operated clamping force holder element with clamping bolt (2) an its holder piston (5) at right angles to each other. The holding force is produced by elements with wedge-shaped surfaces. The holde piston has a wedge-shaped groove in the bottom of which is a lengthwise hole. A gap between the wedge shaped groove and hole produces a guide track. One end of the clamping bolt has two wedge-shaped surfaces (14) at acute angles with each other and whic end in a lug whose external diameter match the internal diameter of the hole.

IPC 1-7

**B25B 5/06**; **B25B 5/08**

IPC 8 full level

**B25B 5/06** (2006.01); **B25B 5/08** (2006.01)

CPC (source: EP US)

**B25B 5/061** (2013.01 - EP US); **B25B 5/087** (2013.01 - EP US)

Citation (search report)

- [DA] EP 0620084 A1 19941019 - FISCHER DAVID [DE], et al
- [A] US 5865577 A 19990202 - KIM BYUNG-GI [KR]
- [A] DE 3733676 A1 19890420 - ROEMHELD A GMBH & CO KG [DE]
- [A] DE 1552707 A1 19700702 - VOLK GEB KNAEBLER
- [A] US 4506871 A 19850326 - YONEZAWA KEITARO [JP]

Cited by

DE102008049753A1; DE102008049753B4; CN105834781A; CN105563188A; CN113857894A; CN103394944A; CN111940836A; WO2021018532A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 1046468 A2 20001025**; **EP 1046468 A3 20010214**; **EP 1046468 B1 20030924**; AT E250485 T1 20031015; DE 19918770 A1 20001026; DE 50003787 D1 20031030; US 6308943 B1 20011030

DOCDB simple family (application)

**EP 00107619 A 20000408**; AT 00107619 T 20000408; DE 19918770 A 19990424; DE 50003787 T 20000408; US 55634800 A 20000424