

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 B1 20030924 (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) and its holder piston (5) at right angles to each other. The holding force is produced by elements with wedge-shaped surfaces. The holder 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 which end in a lug whose external diameter matches 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)

Cited by

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

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