

Title (en)

Multipurpose clamping tool for processing workpieces, in particular wooden ones.

Title (de)

Mehrzweck-Spanngerät zur Bearbeitung von Werkstücken, insbesondere von solchen aus Holz.

Title (fr)

Outil de serrage à usage multiple pour le travail de pièces, en particulier de bois.

Publication

EP 0121134 A2 19841010 (DE)

Application

EP 84102400 A 19840306

Priority

CH 127483 A 19830309

Abstract (en)

[origin: US4576529A] A multipurpose clamping device for a modular tool comprise first and second clamping jaw members each of which has a front face with an aligned modular tool clamping receiving opening. The jaw members include base portions with side rails extending therethrough at spaced lateral locations providing means facilitating the movement of the jaw members toward and away from each other without canting. The clamping device is associated with each opening to clamp the tool in position. The clamping device may be used as a vise by inserting a vise clamping jaw into each opening of each member and in such instance the spindle is advantageously threaded to each member to permit members to move upon driving of a threaded spindle member. The device may also be used for example as a support for a hand drill which may have its forwarded end inserted in the opening and clamped therein so as to line a tool receiving chuck therein which may be rotated and align it with a tailstock center carried by the other jaw member.

Abstract (de)

Das Mehrzweckspanngerät weist zwei gegeneinander verschiebbare Spannbacken (1) mit im oberen Teil angeordneten Klemmöffnungen (2) auf. Diese Klemmöffnungen dienen zur Aufnahme modularer Werkzeuge wie bsw. eine Handbohrmaschine (12) als Drehantrieb im einen Spannbacken (1) und eine Reitstockspitze (11) als Gegenhalt im andern Spannbacken (1'). Die modularen Werkzeuge, die bspw. auch Schraubstockbacken sein koennen, werden in die Spannbacken mittels eines Klemmsitzes befestigt. Die Spannbacken (1,1') laufen moeglichstverwindungsfrei ueber zwei Schlittenschienen (9), der Kraftschluss wird mittels einer Spindel bewirkt, die ueber einen Handgriff zu und aufgedreht werden kann.

IPC 1-7

B25H 1/00; **B25B 5/02**

IPC 8 full level

B25B 1/02 (2006.01); **B25B 1/24** (2006.01); **B25B 5/02** (2006.01); **B25H 1/00** (2006.01); **B25H 1/10** (2006.01)

CPC (source: EP US)

B25B 1/2405 (2013.01 - EP US); **B25H 1/0057** (2013.01 - EP US); **Y10S 408/712** (2013.01 - EP US); **Y10T 29/505** (2015.01 - EP US); **Y10T 408/953** (2015.01 - EP US)

Cited by

EP0701879A1; WO9747435A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0121134 A2 19841010; **EP 0121134 A3 19850925**; **EP 0121134 B1 19890726**; AT E44903 T1 19890815; DE 3479101 D1 19890831; JP S59196166 A 19841107; US 4576529 A 19860318

DOCDB simple family (application)

EP 84102400 A 19840306; AT 84102400 T 19840306; DE 3479101 T 19840306; JP 4423784 A 19840309; US 58804284 A 19840309