

Title (en)  
Improved clamping device.

Title (de)  
Spannvorrichtung.

Title (fr)  
Dispositif de serrage.

Publication  
**EP 0238734 A1 19870930 (EN)**

Application  
**EP 86301397 A 19860226**

Priority  
GB 8500068 A 19850103

Abstract (en)  
The present invention relates to an improved design of vice, especially, it is used to clamp the irregular-shaped work pieces and traditional work pieces, and mainly, two sets of movable clamping claws (1001) coupled and slided with the fixed jaw (1101) and two sets of movable clamping claw (1001) coupled with the motion jaw (1201) are used to firmly clamp and hold the work piece.

IPC 1-7  
**B25B 1/20**; **B25B 1/24**

IPC 8 full level  
**B25B 1/20** (2006.01); **B25B 1/24** (2006.01)

CPC (source: EP)  
**B25B 1/20** (2013.01); **B25B 1/2426** (2013.01); **B25B 1/2436** (2013.01); **B25B 1/2494** (2013.01)

Citation (search report)  
• [X] GB 2157203 A 19851023 - YANG TAI HER  
• [X] US 1405325 A 19220131 - LUDWIG POSCH  
• [Y] FR 1176990 A 19590417 - CHALAYER ETS  
• [X] DE 3515383 A1 19851114 - BOEHLER AG [DE]  
• [X] FR 441108 A  
• [A] EP 0104286 A1 19840404 - YANG TAI HER  
• [AD] US 4240621 A 19801223 - DADDATO DOMINIC [US]  
• [AD] FR 471674 A 19141106 - WESSELMANN BOHRER C A G [DE]

Cited by  
CN103017703A; CN109249166A; CN112731599A; CN114367850A; DE102006006093B3; CN110524282A; CN109051598A; CN110595889A; FR2680714A1; CN115673802A; EP2070655A3; CN106500545A; US2022040806A1; CN105113061A; CN108340255A; CN110315455A; CN112755928A; CN113879817A; CN115401492A; CN116388073A; CN114378739A; CN102240995A; EP2386384A3; CN114473851A; CN105856127A; CN107775394A; CN109107421A; CN109250036A; CN109483399A; EP0316177A3; CN110567819A; CN115875576A; US11839949B2; US11759914B2; WO2022032148A1; WO2010054836A3; US11878381B2; WO2023193095A1; WO2022226561A1

Designated contracting state (EPC)  
AT BE CH DE FR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0238734 A1 19870930**; AU 3984385 A 19860918; AU 586816 B2 19890727; GB 2171035 A 19860820; GB 8500068 D0 19850213; ZA 859765 B 19860808

DOCDB simple family (application)  
**EP 86301397 A 19860226**; AU 3984385 A 19850313; GB 8500068 A 19850103; ZA 859765 A 19851220