

Title (en)

Clamping device for clamping a workpiece on a work-table

Title (de)

Spannvorrichtung zum Festspannen eines Werkstücks auf einem Spanntisch

Title (fr)

Dispositif de fixation pour serrer une pièce à usiner sur une table de serrage

Publication

**EP 0714734 B1 20011024 (DE)**

Application

**EP 95118422 A 19951123**

Priority

DE 4442803 A 19941201

Abstract (en)

[origin: US5667209A] A device for securely clamping a workpiece (2) on a clamping table (1), which device has a guide shoe (3) which can be fastened on the clamping table (1) and has T-slot-shaped clearances (35) which continue, in a symmetrical arrangement, over the length of the guide shoe. The device also has a clamping claw (8) which is designed as a tilting lever and has a clamping leg (10) and a bracing leg (9). A clamping bolt (11) is provided which passes through the clamping leg (10) in the region of its free end and, in the clamping position, fixes the clamping claw (8) relative to the guide shoe (3) and securely clamps the workpiece (2). A bearing plate (4) is provided between the guide shoe (3) and clamping claw (8) and the bearing plate (4) is guided in a sliding manner in the T-slot-shaped clearances (35) by means of strip-like protrusions (21). The plate (4) carries a bearing (6) at one end region, in which bearing the clamping claw (8) is mounted such that it can be pivoted with respect to the bearing plate (4), and is extended as far as the clamping bolt (11) at its other end region, with the result that the clamping bolt (11), in the clamping position, is supported on the bearing plate (4).

IPC 1-7

**B25B 5/10**

IPC 8 full level

**B25B 5/00** (2006.01); **B25B 5/10** (2006.01)

CPC (source: EP US)

**B25B 5/006** (2013.01 - EP US); **B25B 5/108** (2013.01 - EP US)

Citation (examination)

DE 4442803 C1 19960104 - SHANVIEW PATENTS LTD [IE]

Cited by

EP3254808A1; EP1955816A3; CN102189423A; EP1955816A2; DE202016103097U1; WO2007115640A1; DE102014007055A1; DE202017107175U1; DE202016102855U1; EP3162503A1; EP3360646A1

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**US 56530295 A 19951127**; AT 95118422 T 19951123; CA 2163703 A 19951124; DE 4442803 A 19941201; DE 59509745 T 19951123; EP 95118422 A 19951123; ES 95118422 T 19951123; IE S950876 A 19951115