

Title (en)
VICE

Publication
EP 0073361 A3 19840404 (DE)

Application
EP 82107085 A 19820805

Priority
DE 3134209 A 19810829

Abstract (en)
[origin: EP0073361A2] Vice having clamping jaws (3, 4), which can be rotated jointly about an axis (22) that is horizontal in the normal position of use, and can be fixed in any angular position. The clamping jaws (3, 4) can be moved with respect to one another by a screw (5), one clamping jaw (4) being firmly connected to the screw (5) in the axial direction while the other clamping jaw (3) engages with the screw (5) by means of an internal thread (29). In order to make it possible for the clamping jaws (4, 5), which can be present in a plurality of pairs, to rotate, if necessary in common with a clamped workpiece, in an arbitrary fashion about the axis (22) of the screw (5) both in the loose and in the clamped state, and at the same time to ensure a precise guidance of the clamping jaws (3, 4), the two clamping jaws (3, 4) are each provided with guide tubes (18, 19), which are guided telescopically inside one another concentrically with respect to the screw (5), being movable with respect to one another in the axial direction but secured against rotation. The outer guide tube (18) is mounted rotatably in a housing (2) and secured therein against axial displacement and can be fixed in any angular position so as not to rotate by means of an adjustable rotational securement device. The two guide tubes (18, 19) can be removed from the housing (2). <IMAGE>

IPC 1-7
B25B 1/10; **B25B 1/24**

IPC 8 full level
B25B 1/10 (2006.01); **B25B 1/22** (2006.01); **B25B 1/24** (2006.01)

CPC (source: EP)
B25B 1/103 (2013.01); **B25B 1/22** (2013.01); **B25B 1/2478** (2013.01); **B25B 1/2494** (2013.01)

Citation (search report)
• [X] US 3556506 A 19710119 - WELKER KARL
• [X] GB 1063483 A 19670330 - EDOUARD MARTIN TOROSSIAN
• [A] GB 191224031 A 19130911 - BARKE JOHN GEORGE, et al
• [AD] CH 287954 A 19521231 - GELPKE ROLAND [CH]
• [X] THE MARINE ENGINEER AND NAVAL ARCHITECT, Band 87, M{rz 1964, Seite 142, Maidstone, GB.

Cited by
EP0202407A1; CN118032474A; WO2016165639A1; US10035244B2; US10377019B2; US11446789B2

Designated contracting state (EPC)
CH FR GB IT LI

DOCDB simple family (publication)
EP 0073361 A2 19830309; **EP 0073361 A3 19840404**; DE 3134209 A1 19830317; JP S5840270 A 19830309

DOCDB simple family (application)
EP 82107085 A 19820805; DE 3134209 A 19810829; JP 14784882 A 19820827