

Title (en)

Device with orientable jaws, adaptable to any support to assure in a stable way the holding, assembling, separating or keeping in position of workpieces of different shapes or dimensions.

Title (de)

Vorrichtung mit ausrichtbaren Backen anpassbar auf jeder Art von Unterlage mit Sicherstellung der Spannung, des Zusammenbaus, des Abstandes oder der Positionshaltung von Werkzeugen verschiedener Form und Grösse.

Title (fr)

Dispositif à mâchoires orientables, adaptable sur tout support pour assurer de manière stable un serrage, un assemblage, un écartement ou un maintien en position de pièces de formes et dimensions quelconques.

Publication

EP 0080960 A1 19830608 (FR)

Application

EP 82430035 A 19821124

Priority

FR 8122342 A 19811126

Abstract (en)

1. A device with orientable jaws, adaptable to any support to assure in a stable way the clamping, assembling, separating, keeping in position or mounting on said support of workpieces of different shapes or dimensions, said device with at least two movable parts (1-6) mounted on a support part (2), each of said movable parts being provided with means for the mounting, translating and blocking thereof along said support part, at least one of said movable parts (6) being linked to a jaw member (1a) through a means for continuous and adjustable compression (7), said means being an elastic means such as a coil spring or the like, and at least one of said movable parts (1) constituting itself another jaw member being capable of tipping and thus blocking against said support part (2), said jaw members moving parallel to each other, for the setting as well as for the clamping, the assembling, and the keeping in position, each of said jaw members having possibly one or several jaws or shoes (1-1s and 1a-1as) of indifferent shapes and dimensions, said device being characterized in that said support part (2) is of cylindrical external shape with an uniform cross section, said cross section being of indifferent outline and dimensions, and said support part can be easily interchanged with another cylindrical part having same section but different length ; that said movable parts (1-6) and said jaw members are adapted to turn around said support part that the passage of said support part through said movable parts is cylindrical ; that these movable parts are removable so that overturning said movable parts (1-6) along said support part (2) makes the separating manoeuvre practicable ; that each of said movable parts can be easily interchanged with a semblable part having the same purpose and that the fixing, hooking or fastening lock (3) of said means for the mounting, translating and blocking of said movable parts along said support part is removable ; that said means for continuous and adjustable compression (7) is only limited in stroke, on the side of related jaw member (1a), by the piece(s) to be clamped or separated ; said compression means (7) is removable and can be easily replaced by one another and said jaw members (1-1a) are removable and easily exchangeable.

Abstract (fr)

Ce dispositif est essentiellement constitué de (A) une pièce dite "support" (2) de forme, de section et de longueur quelconques, (B) au moins deux pièces (1-6) mobiles montées sur ledit support et munies chacune d'un moyen permettant son montage, sa translation et son blocage le long de ce support, avec possibilité d'orientation autour dudit support et de basculement contre ce support, chacune de ces pièces étant en liaison avec un élément de mâchoire (1-1a) et enfin (C) une pièce (4) dite pièce de butée ou d'appui munie d'un moyen (5) permettant son montage, sa translation et son blocage le long dudit support (2) et son orientation autour dudit support.

IPC 1-7

B25B 5/06; B25B 5/02

IPC 8 full level

B25B 5/10 (2006.01); **B25B 5/02** (2006.01); **B25B 5/04** (2006.01); **B25B 5/06** (2006.01); **B25B 5/14** (2006.01); **B25B 5/16** (2006.01)

CPC (source: EP)

B25B 5/02 (2013.01); **B25B 5/04** (2013.01); **B25B 5/06** (2013.01); **B25B 5/16** (2013.01)

Citation (search report)

- [A] US 1424034 A 19220725 - HERMAN RIGERT
- [AD] FR 1223786 A 19600620
- [AD] US 3218058 A 19651116 - SMITH EVERETT D
- [AD] US 4202540 A 19800513 - NEFF LAWRENCE M [US]

Cited by

EP0366830A1; US6505391B1; DE29515244U1; DE4129707A1; CN107648985A; CN106425596A; US5163661A; FR2624042A1; GB2178690A; US9751193B2; WO03066408A1; WO9108865A1; WO9113723A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0080960 A1 19830608; EP 0080960 B1 19860219; AT E18019 T1 19860315; DE 3269246 D1 19860327; ES 275646 U 19840801; ES 275646 Y 19850316; FR 2516840 A1 19830527; JP H055637 B2 19930122; JP S5894973 A 19830606

DOCDB simple family (application)

EP 82430035 A 19821124; AT 82430035 T 19821124; DE 3269246 T 19821124; ES 275646 U 19821125; FR 8122342 A 19811126; JP 20592482 A 19821124