

Title (en)

Clamp device for workpieces or similar

Title (de)

Vorrichtung zum Einspannen von Werkstücken od. dgl.

Title (fr)

Dispositif de serrage pour pièces en cours d'usinage ou similaires

Publication

**EP 0701882 A3 19961016 (DE)**

Application

**EP 95113442 A 19950826**

Priority

DE 9414699 U 19940910

Abstract (en)

[origin: EP0701882A2] The device for holding and centering a workpiece consists of one set of clamps (1,2) which move towards each other under the action of a pressure source (35). The pressure forces piston arms (7a,7b) outwards towards the workpiece and at the same time forces the opposite clamp face (2) toward the workpiece via a rotating lever mechanism (16,17). The levers translate a movement in arms (11,12) into an opposite movement direction in rod (26) which is connected to clamp (2). A second set of clamps (28) work in a similar manner but in a perpendicular plan to the first set. Both sets are connected in parallel to the pressure source.

IPC 1-7

**B25B 5/00; B23K 26/10**

IPC 8 full level

**B23K 11/04** (2006.01); **B23K 26/00** (2006.01); **B23K 26/10** (2006.01); **B23K 37/053** (2006.01); **B23Q 3/02** (2006.01); **B23Q 3/06** (2006.01); **B23Q 3/08** (2006.01); **B24B 7/16** (2006.01); **B24B 9/04** (2006.01); **B25B 5/00** (2006.01); **B25B 5/06** (2006.01); **B25B 11/00** (2006.01)

CPC (source: EP)

**B25B 5/061** (2013.01)

Citation (search report)

- [A] EP 0547554 A1 19930623 - MAGERL FEINMECHANIK GMBH [DE]
- [A] EP 0075064 A1 19830330 - HONDA MOTOR CO LTD [JP]

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DE102016221227A1; CN112222603A; EP1002623A3; CN112247469A; CN110757379A; CN108000198A; CN114985921A

Designated contracting state (EPC)

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**DE 9414699 U1 19941103**; DE 59500753 D1 19971106; EP 0701882 A2 19960320; EP 0701882 A3 19961016; EP 0701882 B1 19971001; JP 2956025 B2 19991004; JP H08168931 A 19960702

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