

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

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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]

Cited by

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

Designated contracting state (EPC)

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