

Title (en)

Device and method for clamping and positioning workpieces of divergent length between centres

Title (de)

Vorrichtung und Verfahren zum Einspannen und Positionieren von Werkstücken unterschiedlicher Länge zwischen zwei Spitzen

Title (fr)

Dispositif et procédé pour maintenir et positionner des pièces de longueurs diverses entre-pointes

Publication

EP 1577059 B1 20161012 (DE)

Application

EP 05001961 A 20050131

Priority

DE 102004012823 A 20040316

Abstract (en)

[origin: EP1577059A2] The clamping assembly (10), to clamp and position workpieces (36) of different lengths between two centers (28), has a base (14) with at least one linear guide (18). Slides (20,22) with the centers slide along the linear guide, moved by a drive in relation to each other and the base according to the workpiece length dimensions. An initial clamping unit is fitted to at least one slide, to apply a spring pressure on the center when it makes contact with the workpiece. The workpiece is held by a positioning slide (30), moving on a linear guide (16).

IPC 8 full level

B24B 5/04 (2006.01); **B24B 41/06** (2006.01)

CPC (source: EP US)

B24B 5/04 (2013.01 - EP US); **Y10T 29/5109** (2015.01 - EP US); **Y10T 82/10** (2015.01 - EP US); **Y10T 82/2552** (2015.01 - EP US); **Y10T 82/2564** (2015.01 - EP US); **Y10T 82/2593** (2015.01 - EP US)

Cited by

CN112692656A; CN107186556A; CN109848769A

Designated contracting state (EPC)

CH CZ DE LI

DOCDB simple family (publication)

EP 1577059 A2 20050921; **EP 1577059 A3 20060329**; **EP 1577059 B1 20161012**; DE 102004012823 A1 20051006; US 2005204880 A1 20050922; US 7165483 B2 20070123

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EP 05001961 A 20050131; DE 102004012823 A 20040316; US 8141405 A 20050316