

Title (en)

Bending device for bar and tube-shaped workpieces

Title (de)

Biegevorrichtung für stab- und rohrförmige Werkstücke

Title (fr)

Dispositif de pliage pour des pièces en forme de barre et de tube

Publication

EP 1591174 B1 20080528 (DE)

Application

EP 04007328 A 20040326

Priority

EP 04007328 A 20040326

Abstract (en)

[origin: US2005210945A1] On a machine for bending rod-shaped or tubular workpieces, which includes a bending head having a bending mandrel mounted on a rotational axis and rotatable by means of a rotary drive, and having a clamping device for pressing the workpiece to be bent against a forming groove on the bending mandrel and also a feeding device for the workpiece to be processed, whereby the clamping device is positionable relative to the bending mandrel and can also be pivotable concentrically to the rotational axis of the bending mandrel, the clamping device is attached to two mutually independent rotary drives, one of which performs its pivoting movement about the rotational axis of the bending mandrel, and via the other of which it can be moved with respect to the bending mandrel by using an interposed conversion transmission that converts a rotary motion to a linear motion, whereby the bending head includes three concentrically nested rotary shafts for transmitting the drive of the three rotary drives to the bending mandrel, to the conversion transmission and to the clamping device, each of which is connected to one of the rotary drives.

IPC 8 full level

B21D 7/024 (2006.01); **B21D 7/04** (2006.01)

CPC (source: EP US)

B21D 7/024 (2013.01 - EP US)

Cited by

DE102009024406A1; DE102016116159A1; DE102016116159B4; DE102016101908A1; DE102011014953A1; DE102011015570A1; DE102013200851A1; DE102013200851B4; WO2012126490A1; WO2012130350A1; WO2023198539A1; FR2922127A1; CN103920761A; DE102009024406B4; DE102016101908B4; DE102004034638B4; CN106799434A; FR3134526A1; DE102011015570B4; CN106583517A; CN106807809A; DE102010013688A1; DE102010013688B4; DE102011014953B4; CN106623538A; CN109277443A; CN110842060A; CN110842061A; EP3842163A1; FR3105034A1; US8616036B2; WO2009087297A1; US10232424B2; EP2756892A1; US9468963B2; EP2177287A2; EP2208549A1; US8359896B2; US8443644B2

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DOCDB simple family (publication)

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