

Title (en)

Bending machine for tube or rod.

Title (de)

Biegemaschine für Rohre und Stangen.

Title (fr)

Machine à plier des tubes ou des barres.

Publication

**EP 0227429 A2 19870701 (EN)**

Application

**EP 86309866 A 19861217**

Priority

GB 8531440 A 19851220

Abstract (en)

A numerically-controlled bending machine for tube or rod workpieces comprises a bend head (10, 11) including a bend former (14), collet chuck means (1) for supporting a workpiece at a predetermined position and axial orientation against the bend former, and means (14, 15) for clamping the workpiece against the bend former, the bend head being operated to rotate the bend former by a rack (13) and pinion (12) arrangement, wherein the rack includes a pre-settable mechanical stop (30) to control the extent of movement of the rack and hence the extent of bend angle. The required bend parameters are programmed into the control system using "user-friendly" language which is automatically convertible into CNC language for automatic control of the bending operation or sequence of bending operations.

IPC 1-7

**B21D 7/024**; **B21D 7/12**

IPC 8 full level

**B21D 7/024** (2006.01); **B21D 7/12** (2006.01)

CPC (source: EP)

**B21D 7/024** (2013.01); **B21D 7/12** (2013.01)

Cited by

US5946960A; EP0872293A3; EP0786293A1; US5771735A; AU624997B2; GB2235640A; DE4028419A1; GB2235640B

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0227429 A2 19870701**; **EP 0227429 A3 19890816**; GB 8531440 D0 19860205

DOCDB simple family (application)

**EP 86309866 A 19861217**; GB 8531440 A 19851220