

Title (en)
WIRE-BENDING MACHINE

Publication
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Application
EP 82110412 A 19821111

Priority
CH 741381 A 19811118

Abstract (en)
[origin: ES8400683A1] In order to allow an adjusting of the bending tools to a given diameter of the wire being bent allowing the producing of the requisite bending radius a central mandrel which forms two bending or forming, respectively, jaws is replaceable together with a shearing tool. To this end a hollow shaft is mounted at the rear of the central mandrel, which shaft is mounted to a supporting shaft by means of a screw joint. The supporting shaft is supported in turn rotationally and can be rotated by means of a motor in order to disconnect the central mandrel. By mentioned rotation the screw joint is released. A special coupling of the shearing tool to an axially movable operating shaft allows a simultaneous disconnecting of the shearing tool together with the central mandrel. A bending mandrel is mountable at locations having various radial distances from the central mandrel. A cover plate provided with a position control element operates together with proximity switches such that two defined initial angular positions of the bending mandrel is maintained independently from mentioned adjustments.

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IPC 8 full level
B21D 7/024 (2006.01); **B21D 11/12** (2006.01); **B21F 1/00** (2006.01); **B21F 1/04** (2006.01)

CPC (source: EP US)
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Cited by
US2019321877A1; EP0850707A1; DE102011015570A1; DE102011015570B4; EP4292729A1; EP0419441A1; US5182932A; EP0258109A1; FR2602159A1; CN105903855A; NL9401473A; FR2715334A1; EP0517637A1; FR2677282A1; US5349838A; US9468963B2; WO2015154117A1; WO9221455A1; WO9104113A1

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