

Title (en)
METHOD OF AND DEVICE FOR BENDING BAR-SHAPED MATERIALS

Publication
EP 0371960 A3 19900620 (DE)

Application
EP 90100974 A 19870316

Priority
• DE 3644482 A 19861224
• US 83968886 A 19860314

Abstract (en)
[origin: EP0371960A2] The machine is capable of bending reinforcing steel rod (142) accurately in either direction by using just two bending slides (144) and (146). The two bending slides hold the material (142) in alternating sequence i.e. when one slide holds the material, the other carries out the bending. The holding of the material in a particular section is effected by bending crank (152) swinging around bending mandrel (154) and bending the rod by a specified angle alpha which, for the material in question is within the elasticity limit of the rod. Actual bending takes place, but the elastically deformed section of the rod produces the clamping effect between the bending roll and mandrel.

IPC 1-7
B21D 11/12

IPC 8 full level
B21D 11/12 (2006.01)

CPC (source: EP)
B21D 11/12 (2013.01)

Citation (search report)
• [AD] EP 0121896 A2 19841017 - ZAHLAUS HELMUT
• [A] EP 0032656 A2 19810729 - EVG ENTWICKLUNG VERWERT GES [AT]
• [A] US 4161110 A 19790717 - JAHRBACHER GERT [AT], et al
• [A] DE 1752716 A1 19710715 - STEGMANN ERNST
• [A] DE 2164026 A1 19720713

Cited by
AT501151B1; CN103658450A; EP0537496A1; US7610788B2

Designated contracting state (EPC)
BE CH DE FR GB GR IT LI

DOCDB simple family (publication)
EP 0371960 A2 19900606; EP 0371960 A3 19900620; EP 0371960 B1 19931006; EP 0238026 A1 19870923; EP 0238026 B1 19910626; GR 3002783 T3 19930125

DOCDB simple family (application)
EP 90100974 A 19870316; EP 87103810 A 19870316; GR 910401417 T 19910925