

Title (en)

METHOD FOR BENDING BAR-SHAPED MATERIALS

Publication

EP 0371960 B1 19931006 (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)

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Cited by

CN103658450A; AT501151B1; EP0537496A1; US7610788B2

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EP 0371960 A2 19900606; EP 0371960 A3 19900620; EP 0371960 B1 19931006; EP 0238026 A1 19870923; EP 0238026 B1 19910626; GR 3002783 T3 19930125

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EP 90100974 A 19870316; EP 87103810 A 19870316; GR 910401417 T 19910925