

Title (en)
MACHINE FOR BENDING OF TUBES, BARS OR PROFILES

Publication
EP 0168331 B1 19900620 (FR)

Application
EP 85420086 A 19850509

Priority
FR 8411321 A 19840710

Abstract (en)
[origin: ES8607768A1] A machine for bending an elongated workpiece extending along a longitudinal axis has a housing and a holder on the housing for retaining the workpiece with its axis nondisplaceable relative to the housing and for advancing the workpiece in a feed direction parallel to the axis. A support defining a mandrel axis transverse to the longitudinal axis and spaced transversely therefrom is displaceable with the mandrel axis on the housing transverse to the longitudinal workpiece axis. A mandrel carried directly on the support is formed with an arcuate groove centered on the mandrel axis. This mandrel carries an inner jaw forming a continuation of the groove and is rotatable therewith on the support about the mandrel axis. An arm mounted directly on the support pivotal about the mandrel axis carries an outer jaw generally complementary to the inner jaw and a guide carried directly on the housing mainly upstream of the mandrel has a guide groove confronting the groove of the mandrel and centered on the longitudinal workpiece axis. A jaw actuator can displace the outer jaw on the arm radially of the mandrel axis. A guide actuator can displace the guide on the housing transversely of the feed direction and independently of the support. A support actuator displaces the support and the jaws and mandrel carried thereby transverse to the direction and independently of the guide. A pivot actuator pivots the support about the mandrel axis to bend the workpiece between the jaws and the guide.

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B21D 7/024

IPC 8 full level
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