

Title (en)

Method and apparatus for bending sections and the like according to programmable radii of curvature

Title (de)

Verfahren zum Biegen von Profilstangen oder dergleichen nach programmierbaren Krümmungsradien

Title (fr)

Procédé pour cintrer des barres profilées ou analogues selon des rayons de courbure programmables

Publication

EP 1199115 A1 20020424 (EN)

Application

EP 01124568 A 20011015

Priority

IT BO20000602 A 20001016

Abstract (en)

The method for bending sections and the like according to programmable radii of curvature is applied in an apparatus that includes a bending assembly (1) provided with a central abutment tool (3) and with an eccentric section bending post (4). The method entails actuating the discontinuous advancement of the section (2) to be bent in abutment with the central tool (3) in step with alternating angular strokes of the eccentric bending post (4), so as to make the section (2) follow the envelope of a virtual mandrel (5) whose radius of curvature can be programmed by virtue of an electronic processing means that is suitable to control or indicate the advancement of the section (2) to be bent and the angular strokes of the eccentric bending post (4). <IMAGE>

IPC 1-7

B21D 11/12; **B21D 7/022**; **B21D 7/12**

IPC 8 full level

B21D 7/12 (2006.01); **B21D 11/12** (2006.01)

CPC (source: EP)

B21D 7/12 (2013.01); **B21D 11/12** (2013.01)

Citation (search report)

- [X] EP 0334353 A1 19890927 - ZAHLAUS HELMUT [DE], et al
- [A] US 3991600 A 19761116 - DEL FABRO REMIGIO
- [A] US 4456036 A 19840626 - ROSSI PIERGIORGIO [CH]
- [A] US 3661002 A 19720509 - PEDDINGHAUS PAUL FERD JR

Cited by

CN102941290A; CN104368658A; ITMI20131272A1; EP2832463A3; WO2005061144A1; WO2006055998A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1199115 A1 20020424; **EP 1199115 A8 20020731**; IT BO20000602 A0 20001016; IT BO20000602 A1 20020416

DOCDB simple family (application)

EP 01124568 A 20011015; IT BO20000602 A 20001016