

Title (en)
Bending device

Title (de)
Biegevorrichtung

Title (fr)
Dispositif de cintrage

Publication
EP 1595612 A1 20051116 (EN)

Application
EP 05008905 A 20050422

Priority
JP 2004128386 A 20040423

Abstract (en)
The bending device is adapted to bending of a longitudinal workpiece (1). The device comprises a bending die (6) that has an outer shape corresponding to the bending shape, a clamping die (50,52,54) that clamps the workpiece with the bending die, and a rotation mechanism (12,30) that rotates the bending die and the clamping die to a predetermined bending direction while the workpiece is being clamped between the bending die and the clamping die. The rotation mechanism is provided with a selection mechanism (30) that allows switching between a first rotation mode in which the bending die and the clamping die are rotated in a body and a second rotation mode in which one of the bending die and the clamping die is rotated independently of the other die. <IMAGE>

IPC 1-7
B21D 7/025; **B21D 7/02**

IPC 8 full level
B21D 7/02 (2006.01); **B21D 7/024** (2006.01); **B21D 7/025** (2006.01); **B21D 11/07** (2006.01)

CPC (source: EP KR US)
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Citation (search report)

- [X] EP 0881010 A1 19981202 - EUROBEND LTD [GB]
- [XA] US 5495740 A 19960305 - SCHWARZE RIGOBERT [DE]
- [XA] US 4236398 A 19801202 - SCHWARZE RIGOBERT
- [AD] PATENT ABSTRACTS OF JAPAN vol. 012, no. 145 (M - 693) 6 May 1988 (1988-05-06)

Cited by
DE102017117979A1; WO2019029893A1; CN106799434A; CN103920761A; CN103934327A; CN103861920A; IT201800003971A1; US11458525B2; WO2008135033A1; US11484928B2; TWI794458B; WO2019186610A1

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