

Title (en)
METHOD AND APPARATUS FOR BENDING WORK PIECES

Publication
EP 0316703 A3 19900711 (DE)

Application
EP 88118510 A 19881107

Priority
DE 3739173 A 19871119

Abstract (en)
[origin: JPH01162520A] PURPOSE: To correctly bend a workpiece into a set bending angle by detecting a bending angle with a detector, comparing with a specified value and executing additional bending when the workpiece to be bent is fixed on a fixing pedestal and bent by the rotation of a sector turning member. CONSTITUTION: The workpiece 1 to be bent into a prescribed angle is placed on the fixing pedestal 3 and fixed on the fixing pedestal 3 by lowering a vertical moving member 2. Next, two sector turning members 4, 5 are respectively turned upward in the X direction shown by an arrow around respective rotating shafts M as the center, the workpiece 1 to be bent is bent to form rising pieces 6, 7 and bent into a U shape. In such a case, the sensor 8 is abutted on one side arm 13 of a L shape member 12 in the detector R which is provided within the vertical moving member 2, a detecting pin 15 is abutted on the other side arm 14 and pressurized by a spring 17. The bent rising piece 6 is brought into contact with the tip end of the detecting pin, the L shape piece is turned around a shaft A as the center, and the bending angle W is detected with the detecting sensor 8. This is compared with the set bending angle by a computer or the like, an additional bending quantity is decided so as to bend it into the prescribed angle, the rising piece 6 is correctly bent into the set angle by turning the sector turning member 4 again. The similar bending is also executed with respect to the other side rising piece 7.

IPC 1-7
B21D 5/04

IPC 8 full level
B21D 5/01 (2006.01); **B21D 5/04** (2006.01)

CPC (source: EP US)
B21D 5/042 (2013.01 - EP US); **B21D 28/10** (2013.01 - EP US); **Y10S 72/702** (2013.01 - EP US)

Citation (search report)

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