

Title (en)
METHOD OF BENDING PLATE MATERIALS

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Application
EP 85112079 A 19850924

Priority
JP 20073984 A 19840926

Abstract (en)
[origin: EP0176073A2] Disclosed is a method of bending a plate material by means of an exclusive-use die shoe for the plate material to be worked and a versatile bending means having a pressing surface, wherein the edge portion of the die shoe (10) serves as a bending surface (11) for the plate material (5); the plate material (5) is mounted on and secured to the die shoe (10), bending means (15, 16, and 17; 18) are brought into contact with and pressed against a portion of the surface to be bent (13) of the plate material (5), moving the same along the surface to be bent, and bending the surface to be bent step by step. The bending means (15, 16, and 17) comprise a plurality of bending members, each bending member being formed in such a manner that the angle of each of the pressing surfaces (19, 20, and 21) thereof is formed such as to become gradually larger, and the bending members are used in sequence starting with the one having the pressing surface with the smallest angle. Or, the bending means (18) is a bending member having a pressing surface parallel to the axis of the bending member and is inclined against the plate material step by step.

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B21D 5/08 (2013.01); **B21D 5/083** (2013.01)

Citation (search report)
• [X] US 3756057 A 19730904 - BROOKS B, et al
• [A] DE 641744 C 19370212 - FRANZ STEINBUECHEL
• [A] FR 2525504 A1 19831028 - UK NII METALLOV [SU]

Cited by
CN114769363A; DE19754171A1; DE19754171B4

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