

Title (en)  
APPARATUS FOR ADJUSTING TOOL LENGTH OF BENDING MACHINE

Publication  
**EP 0186909 B1 19900627 (EN)**

Application  
**EP 85116595 A 19851227**

Priority  
• JP 27922485 A 19851213  
• JP 28151984 A 19841229

Abstract (en)  
[origin: EP0310145A2] In a bending machine for bending metal plate work so as to have four U-shaped rims, there are provided a ram (13) having a lower end, a bottom tool (16), a top tool body mounted on the lower end of said ram (13) above the bottom 16, the top tool body carrying central and corner die segments (1A, 1B, 7A, 7B) engagable with the work piece (90) for bending it. Difficulties occur upon lowering and lifting the top tool past the U-legs of the rims already bended. For overcoming these difficulties, each corner die segment (7A, 7B) includes a main body (71, 101) and an openable die segment portion (72, 102, 110); a link (75, 103) mounted inside the lower portion of the main body of the upper corner die segment supports pivotably about a generally horizontal axis the openable die segment portion on the end of the link; and a rod (88) is erected on the center of the upper surface of the openable die segment portion to be inserted into a guide hole (89) in the corner die segment main body.

IPC 1-7  
**B21D 5/01**

IPC 8 full level  
**B21D 5/01** (2006.01); **B21D 5/02** (2006.01); **B21D 5/04** (2006.01)

CPC (source: EP KR)  
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Citation (examination)  
EP 0105091 A2 19840411 - MARU KIKAI KOGYO [JP]

Cited by  
EP0274159A3; CN108637100A; AT385690B; CN105992658A; GB2317843A; GB2317843B; US4765171A; AT385688B; EP0713734A1; AT385689B

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**EP 0310145 A2 19890405; EP 0310145 A3 19891206; EP 0310145 B1 19930505**; AT E54078 T1 19900715; DE 3578390 D1 19900802; DE 3587327 D1 19930609; DE 3587327 T2 19931007; EP 0186909 A2 19860709; EP 0186909 A3 19870325; EP 0186909 B1 19900627; KR 860004665 A 19860711; KR 890004036 B1 19891018

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