

Title (en)
FOLDING DEVICE FOR A SHEET-METAL PLATE

Publication
EP 0077314 B1 19840919 (DE)

Application
EP 82890102 A 19820715

Priority
AT 432981 A 19811009

Abstract (en)
[origin: US4783984A] Apparatus for folding a sheet metal element comprises a frame, two carriers carried by the frame, and two gripping platens which are secured to respective ones of the carriers and at least one of which is movable in unison with the associated carrier transversely to the sheet metal element gripped between said platens. At least one bending tool is provided, which is movable generally parallel to the sheet metal element and is also movable transversely to the sheet metal element and is operatively connected to drive means for moving the tool in said two directions. The tool cooperates with one of the gripping platens, which constitutes a backing tool. In order to prevent a deflection of the gripping platens during the folding operation, those drive means which serve to move the bending tool generally parallel to the sheet metal element is supported by the carrier which carries that gripping platen which serves as a backing tool.

IPC 1-7
B21D 5/04

IPC 8 full level
B21D 5/04 (2006.01)

CPC (source: EP US)
B21D 5/045 (2013.01 - EP US)

Citation (examination)
EP 0022122 A1 19810107 - VOEST ALPINE AG [AT]

Cited by
EP0353680A3; CN108746268A; CN103372586A; ES2063658A2; EP0293964A3; EP0490828A1; DE3605815A1; EP0567193A1; EP0298056A3; US6516648B1; EP0338949A1; FR2630356A1; US4944176A

Designated contracting state (EPC)
BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0077314 A1 19830420; EP 0077314 B1 19840919; AT 372883 B 19831125; AT A432981 A 19830415; DE 3260784 D1 19841025; JP H033524 B2 19910118; JP S5870924 A 19830427; US 4783984 A 19881115

DOCDB simple family (application)
EP 82890102 A 19820715; AT 432981 A 19811009; DE 3260784 T 19820715; JP 17644282 A 19821008; US 41061782 A 19820823