

Title (en)
DEVICE FOR BENDING SHEET METAL

Publication
EP 0497778 B1 19930728 (DE)

Application
EP 90912902 A 19900830

Priority
• DE 3935659 A 19891026
• EP 9001445 W 19900830

Abstract (en)
[origin: WO9106382A1] Described is a folding machine in which a metal sheet is clamped between an upper and a lower clamp, and the section of sheet extending out beyond clamps is bent through a given angle by a bending cheek. During the rotating motion of the bending cheek, it moves into an initial position perpendicular to the axis of rotation. This steers the bending cheek along a given bending contour.

IPC 1-7
B21D 5/04

IPC 8 full level
B21D 5/04 (2006.01)

CPC (source: EP US)
B21D 5/042 (2013.01 - EP US)

Cited by
DE102013106764A1; CN110405011A; DE102008064227B3; EP2198985A1; EP1810761A1; WO2014206817A1; US10427893B2

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

DOCDB simple family (publication)
WO 9106382 A1 19910516; AT E91927 T1 19930815; CA 2067118 A1 19910427; CA 2067118 C 20000425; DE 3935659 A1 19910502; DE 3935659 C2 19930218; DE 3935659 C3 19970102; DK 0497778 T4 19960415; EP 0497778 A1 19920812; EP 0497778 B1 19930728; EP 0497778 B2 19960221; ES 2042306 T3 19931201; ES 2042306 T5 19960501; JP 2930714 B2 19990803; JP H05500775 A 19930218; US 5239853 A 19930831

DOCDB simple family (application)
EP 9001445 W 19900830; AT 90912902 T 19900830; CA 2067118 A 19900830; DE 3935659 A 19891026; DK 90912902 T 19900830; EP 90912902 A 19900830; ES 90912902 T 19900830; JP 51200690 A 19900830; US 84707892 A 19920407