

Title (en)

PRESS BRAKE WITH ACTIVE LOWER TABLE

Title (de)

BIEGEPRESSE MIT EINEM AKTIVEN UNTERBALKEN

Title (fr)

PRESSE PLIEUSE A TABLIER INFERIEUR ACTIF

Publication

EP 1112130 A1 20010704 (FR)

Application

EP 99941714 A 19990908

Priority

- FR 9902131 W 19990908
- FR 9811240 A 19980909

Abstract (en)

[origin: US6401512B1] A bending press for bending metal sheets, the press comprising a moving top panel and a fixed bottom panel, the bottom panel being constituted by a plate having a top portion and a fixed bottom portion defined by two notches that are symmetrically identical about the transverse midplane of the bottom panel, each notch having a top wall and a bottom wall interconnected by a back wall, and also having an opening situated in the corresponding side edge of the plate, the press being characterized in that each notch is fitted with a displacement member interconnecting the free top portion and the fixed bottom portion of the bottom panel so as to cause the top wall of the notch to move towards the bottom wall thereof, thereby modifying the deformation curve of the free top portion of the bottom panel in controlled manner.

IPC 1-7

B21D 5/02

IPC 8 full level

B21D 5/02 (2006.01); **B30B 15/04** (2006.01)

CPC (source: EP US)

B21D 5/02 (2013.01 - EP US); **B21D 5/0272** (2013.01 - EP US)

Citation (search report)

See references of WO 0013813A1

Cited by

FR2942979A1; FR2942980A1; DE102010015919A8; NL2004386A; DE102010015919B4; FR2942981A1; FR2942982A1; FR2942983A1; ES2382282A1; ES2382283A1; ES2382284A1; NL2004383A; NL2004384A; NL2004385A; US8245557B2; US8607611B2; DE102010015919A1; US8438894B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6401512 B1 20020611; AT E215854 T1 20020415; DE 69901261 D1 20020516; DE 69901261 T2 20021128; EP 1112130 A1 20010704; EP 1112130 B1 20020410; FR 2782942 A1 20000310; FR 2782942 B1 20001201; JP 2002524259 A 20020806; JP 4434493 B2 20100317; WO 0013813 A1 20000316

DOCDB simple family (application)

US 76362601 A 20010306; AT 99941714 T 19990908; DE 69901261 T 19990908; EP 99941714 A 19990908; FR 9811240 A 19980909; FR 9902131 W 19990908; JP 2000568605 A 19990908