

Title (en)

METHOD OF CONTROLLING A PRESS BRAKE PLATE LIFTER

Publication

**EP 0249775 A3 19890726 (DE)**

Application

**EP 87107574 A 19870525**

Priority

AT 162486 A 19860616

Abstract (en)

[origin: US4753100A] For supporting a sheet-metal article which rests on a die and which executes an upward pivoting movement during the pressing operation, a vertically movable supporting unit is provided. The movement of the latter is coordinated with the ram movement and executed at a speed which is in a specific ratio to the speed of the ram. This ratio corresponds to the ratio of the distance between the support and the die edge facing it to half the die width.

IPC 1-7

**B21D 5/02**

IPC 8 full level

**B21D 5/02** (2006.01)

CPC (source: EP US)

**B21D 5/0281** (2013.01 - EP US)

Citation (search report)

- [X] PATENT ABSTRACTS OF JAPAN, Band 7, Nr. 183 (M-235)[1328], 12. August 1983; & JP-A-58 84 616 (AMADA K.K.) 20-05-1983
- [A] PATENT ABSTRACTS OF JAPAN, Band 8, Nr. 276 (M-346)[1713], 18. Dezember 1984; & JP-A-59 147 716 (MITSUBISHI DENKI K.K.) 24-08-1984
- [A] PATENT ABSTRACTS OF JAPAN, Band 9, Nr. 202 (M-405)[1925], 20. August 1985; & JP-A-60 64 730 (AMADA METORETSUKUSU K.K.) 13-04-1985
- [A] PATENT ABSTRACTS OF JAPAN, Band 9, Nr. 330 (M-442)[2053], 25. Dezember 1985; & JP-A-60 162 527 (MITSUBISHI DENKI K.K.) 24-08-1985

Cited by

CN103878264A; CN101972817A; CN103100606A; CN109513775A; CN101972805A; CN103100600A; DE3729808A1; DE3729808C2; CN103100605A; EP3278892A1; IT201600083221A1

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0249775 A2 19871223; EP 0249775 A3 19890726**; AT 384759 B 19880111; AT A162486 A 19870615; US 4753100 A 19880628

DOCDB simple family (application)

**EP 87107574 A 19870525**; AT 162486 A 19860616; US 5775187 A 19870603