

Title (en)
PRESS BRAKE

Publication
EP 0215263 B1 19891025 (DE)

Application
EP 86110702 A 19860802

Priority
DE 3533235 A 19850918

Abstract (en)
[origin: US4753099A] A bending press includes a work support table comprised of a pair of support elements, at least one of which is mounted on the frame for movement generally vertically relative to the work support plane. Workpiece positioning elements are located on opposite sides of the work station defined by the upper and lower dies and are movable horizontally of the work support plane defined by the work support table. A drive motor effects horizontal movement of at least one of the workpiece positioning elements relative to the other positioning elements so as to move the workpiece on the work support table and effect its precise positioning in desired positions relative to the work station. The machine includes a computer control for operating the various drive motors and may include a rotatable work support table for effecting rotation of the workpiece to reorient it relative to the work station. Moreover, the press may include magazines which store a multiplicity of dies and die changing apparatus to exchange the dies in the die holding devices in response to instructions from a computer control.

IPC 1-7
B21D 5/02

IPC 8 full level
B21D 5/00 (2006.01); **B21D 5/02** (2006.01)

CPC (source: EP US)
B21D 5/002 (2013.01 - EP US); **B21D 5/02** (2013.01 - EP US)

Cited by
FR2652521A1; WO2007073901A3

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AT BE CH FR GB IT LI NL SE

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EP 0215263 A2 19870325; EP 0215263 A3 19870923; EP 0215263 B1 19891025; AT E47541 T1 19891115; AU 598202 B2 19900621; AU 6244586 A 19870319; DE 3533235 A1 19870326; DE 3533235 C2 19970320; JP H036847 B2 19910131; JP S6268625 A 19870328; US 4753099 A 19880628

DOCDB simple family (application)
EP 86110702 A 19860802; AT 86110702 T 19860802; AU 6244586 A 19860904; DE 3533235 A 19850918; JP 21826686 A 19860918; US 90416886 A 19860905