

Title (en)

Press for cutting highly secure sheet metal parts

Title (de)

Presse zum Schneiden von hochfesten Blechen

Title (fr)

Presse destinée à découper des tôles très résistantes

Publication

**EP 1985389 A3 20081105 (DE)**

Application

**EP 08160025 A 20050518**

Priority

- EP 05010716 A 20050518
- DE 102004027017 A 20040602
- DE 102005021028 A 20050506

Abstract (en)

[origin: EP1602419A1] The press, especially for the stamping of sheet metal, has a press frame with a press platten to hold a bottom tool (12) and in which a plunger (9) is movably mounted and communicates with a drive unit and supports an upper tool (11). A controllable sheet holding device (21) presses against the bottom tool during the forming process and is supported by one end on the plunger and by its other end on the workpiece. The sheet holding device has a control unit which influences the force exerted by the sheet holding device acting between the plunger and the workpiece.

IPC 8 full level

**B21D 28/20** (2006.01); **B21D 24/10** (2006.01)

CPC (source: EP)

**B21D 24/10** (2013.01); **B21D 28/20** (2013.01)

Citation (search report)

- [XA] US 2290743 A 19420721 - WALTER ERNST
- [DA] DE 10252625 A1 20030528 - SCHULER PRESSEN GMBH & CO [DE]
- [A] EP 0475923 A1 19920318 - COCKERILL RECH & DEV [BE]
- [A] DE 2928777 A1 19810205 - PROFIL VERBINDUNGSTECHNIK GMBH
- [A] DE 2808091 A1 19790830 - MOOG GMBH

Cited by

CN104384291A

Designated contracting state (EPC)

DE ES FR IT

DOCDB simple family (publication)

**EP 1602419 A1 20051207; EP 1602419 B1 20100623**; DE 102005021028 A1 20051229; DE 102005021028 B4 20090625; DE 502005009780 D1 20100805; EP 1985389 A2 20081029; EP 1985389 A3 20081105; EP 1985389 B1 20120201; ES 2346980 T3 20101022; ES 2381607 T3 20120529

DOCDB simple family (application)

**EP 05010716 A 20050518**; DE 102005021028 A 20050506; DE 502005009780 T 20050518; EP 08160025 A 20050518; ES 05010716 T 20050518; ES 08160025 T 20050518