

Title (en)
PRESS WITH A HYDRAULIC PLATE

Title (de)
PRESSE MIT EINER HYDRAULIKPLATTE

Title (fr)
PRESSE A PLATEAU HYDRAULIQUE

Publication
EP 0891251 B1 20000105 (DE)

Application
EP 97907100 A 19970314

Priority
• DE 19612242 A 19960327
• EP 9701303 W 19970314

Abstract (en)
[origin: US6058758A] PCT No. PCT/EP97/01303 Sec. 371 Date Sep. 23, 1998 Sec. 102(e) Date Sep. 23, 1998 PCT Filed Mar. 14, 1997 PCT Pub. No. WO97/35710 PCT Pub. Date Oct. 2, 1997The invention concerns a press, in particular, a precision blanking press, with a slide (1) and a press lower part (3) associated with the slide, a tool (17) being located between the slide (1) and the press lower part (3). According to the invention, a hydraulic plate (9, 10) is disposed between an upper tool and the slide (1) and/or a lower tool and the press lower part (3).

IPC 1-7
B30B 15/06; **B30B 15/02**; **B21D 37/14**

IPC 8 full level
B21D 28/16 (2006.01); **B21D 37/02** (2006.01); **B21D 37/14** (2006.01); **B30B 1/32** (2006.01); **B30B 15/02** (2006.01); **B30B 15/06** (2006.01)

CPC (source: EP US)
B21D 37/14 (2013.01 - EP US); **B30B 15/026** (2013.01 - EP US); **B30B 15/028** (2013.01 - EP US); **B30B 15/06** (2013.01 - EP US);
Y10T 83/8759 (2015.04 - EP US)

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

DOCDB simple family (publication)
US 6058758 A 20000509; AT E188420 T1 20000115; CA 2250019 A1 19971002; CA 2250019 C 20041214; CZ 294187 B6 20041013; CZ 302198 A3 19990217; DE 19612242 A1 19971002; DE 59700976 D1 20000210; EP 0891251 A1 19990120; EP 0891251 B1 20000105; JP 2001500789 A 20010123; RU 2175603 C2 20011110; WO 9735710 A1 19971002

DOCDB simple family (application)
US 15519498 A 19980923; AT 97907100 T 19970314; CA 2250019 A 19970314; CZ 302198 A 19970314; DE 19612242 A 19960327; DE 59700976 T 19970314; EP 9701303 W 19970314; EP 97907100 A 19970314; JP 53399397 A 19970314; RU 98119317 A 19970314