

Title (en)  
PRESS FOR THE COLD WORKING OF METAL WORKPIECES

Title (de)  
PRESSE FÜR EINE KALTVERFORMUNG VON METALLWERKSTÜCKEN

Title (fr)  
PRESSE DESTINEE AU FORMAGE A FROID DE PIECES METALLIQUES

Publication  
**EP 0755323 B1 19980603 (DE)**

Application  
**EP 95914311 A 19950325**

Priority

- DE 4412224 A 19940409
- EP 9501138 W 19950325

Abstract (en)  
[origin: US5823104A] PCT No. PCT/EP95/01138 Sec. 371 Date Oct. 30, 1996 Sec. 102(e) Date Oct. 30, 1996 PCT Filed Mar. 25, 1995 PCT Pub. No. WO95/27615 PCT Pub. Date Oct. 19, 1995The invention is a press for cold working of metal workpieces. The invention includes a double-acting linear hydraulic power drive cylinder, a continuous press frame for accepting reactive forces that develop during the operation of the press, and a control valve system operable by output signals, and being one of program-controlled or manually triggerable, from an electronic control unit, for controlling motion of a piston of the drive cylinder.

IPC 1-7  
**B30B 15/04**; **B30B 15/16**; **B30B 1/32**

IPC 8 full level  
**B21J 9/12** (2006.01); **B30B 1/32** (2006.01); **B30B 15/04** (2006.01); **B30B 15/16** (2006.01); **B30B 15/22** (2006.01); **B44B 5/00** (2006.01)

CPC (source: EP US)  
**B30B 1/32** (2013.01 - EP US); **B30B 15/04** (2013.01 - EP US); **B30B 15/161** (2013.01 - EP US); **B44B 5/0057** (2013.01 - EP US)

Cited by  
EP1462660A1; US9636738B2; EP2195129A1

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

DOCDB simple family (publication)  
**US 5823104 A 19981020**; AT E166830 T1 19980615; DE 4412224 A1 19951012; DE 59502420 D1 19980709; EP 0755323 A1 19970129; EP 0755323 B1 19980603; ES 2120192 T3 19981016; JP 3234227 B2 20011204; JP H09511452 A 19971118; WO 9527615 A1 19951019

DOCDB simple family (application)  
**US 71851796 A 19961030**; AT 95914311 T 19950325; DE 4412224 A 19940409; DE 59502420 T 19950325; EP 9501138 W 19950325; EP 95914311 A 19950325; ES 95914311 T 19950325; JP 52604295 A 19950325