

Title (en)
Toggle link punch press

Title (de)
Kniehebel-Stanzpresse

Title (fr)
Presse poinçonneuse à genouillère

Publication
EP 0765735 B1 20010411 (DE)

Application
EP 95115190 A 19950927

Priority
EP 95115190 A 19950927

Abstract (en)
[origin: EP0765735A1] The drive arrangement (5,6) incorporates knuckle joint units (15a,b-18a,b) with two on each side of the drive mechanism. The knuckle joint units are connected to at least one plunger (56,57), and each has a first and second guide rod linked by hinge pin (24-27) to the pressure column (28-31). The pressure column on the press housing (23) is movable in the lifting direction of the plunger and is immovable in a direction crosswise to the lifting direction of the plunger. The stamping compartment contains a surface (60) along which the strip runs.

IPC 1-7
B30B 1/10; **B30B 1/14**

IPC 8 full level
B21D 28/02 (2006.01); **B21D 28/20** (2006.01); **B21D 37/10** (2006.01); **B30B 1/10** (2006.01); **B30B 1/14** (2006.01); **B30B 15/00** (2006.01); **B30B 15/04** (2006.01)

CPC (source: EP US)
B30B 1/10 (2013.01 - EP US); **B30B 1/14** (2013.01 - EP US); **B30B 15/0029** (2013.01 - EP US); **B30B 15/041** (2013.01 - EP US); **Y10T 83/8843** (2015.04 - EP US); **Y10T 83/8845** (2015.04 - EP US); **Y10T 83/8853** (2015.04 - EP US); **Y10T 83/8855** (2015.04 - EP US)

Cited by
WO2006136045A1; CN104985634A; CN103434166A; EP3517290A1; DE10065255A1; DE10065255B4; EP0953438A1; DE102017118069A1; NL1008064C2; CN104401032A; US8739595B2; WO2009000100A1; WO2008089805A1

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

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EP 0765735 A1 19970402; **EP 0765735 B1 20010411**; AT E200448 T1 20010415; DE 59509185 D1 20010517; ES 2157279 T3 20010816; JP 3394396 B2 20030407; JP H09122770 A 19970513; SG 84498 A1 20011120; US 5823087 A 19981020

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