

Title (en)

Mechanical or hydraulic press

Title (de)

Mechanische oder hydraulische Presse

Title (fr)

Presse mécanique ou hydraulique

Publication

EP 0703018 B1 19980617 (DE)

Application

EP 95113596 A 19950830

Priority

DE 4434419 A 19940926

Abstract (en)

[origin: EP0703018A1] The press (1), in particular, for forming and drawing operations incorporates a press ram with a top tool half and a press table with a bottom tool half. The blank holding force between the tool halves - in the case where the press is a single-action press - is adjustable by means of a pressure control unit. The pressure control unit (5, 9) or (6, 10) controls the pressure supplied to a pressure cheek (4) which in the press table (2) acts on the bottom tool half. A pressure oscillation is superimposed on the predetermined blank holding force in such a way that the latter is alternately increased and decreased during the forming/drawing process. Alternatively, the press may be provided with a pressure control unit for controlling the force exerted by the press ram on the top tool half.

IPC 1-7

B21D 24/14

IPC 8 full level

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CPC (source: EP)

B21D 24/14 (2013.01); **B21D 35/008** (2013.01)

Cited by

EP1593443A1; US11235369B2; CN110640018A; NL1021738C2; EP0768127A3; US5746084A; WO2004037460A1

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