

Title (en)

Clamping device between the upper and lower tool of a press

Title (de)

Klemmeinrichtung zwischen Ober- und Unterwerkzeug einer Presse

Title (fr)

Dispositif de serrage entre l'outil supérieur et inférieur d'une presse

Publication

EP 0713735 B1 19990113 (DE)

Application

EP 95117213 A 19951102

Priority

DE 4441562 A 19941123

Abstract (en)

[origin: EP0713735A1] Length compensating arrangement for a hold-down between the top and the bottom tool of a press, in which a number of interconnected short-stroke cylinders (5) with pressure pins (7) connected to their piston rods (6) are mounted on a pressure pin plate (3) to clamp the sheet blank between the top and bottom tool. The short-stroke cylinders (5) are pressure connected to a compensating cylinder (10), so that prior to the start of drawing the fluid volume displaced in the short-stroke cylinders (5) by forces acting on the pressure pins (7) is stored in the compensating chamber (22) of the compensating cylinder (10).

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B21D 24/14

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