

Title (en)

Pressure pad for single-acting presses in particular for mechanical and transfer presses

Title (de)

Blechhalter für einfachwirkende Pressen, insbesondere für mechanische Pressen und Transferpressen

Title (fr)

Serre-flan pour presses à simple effet en particulier pour presses mécaniques et presses de transfert

Publication

EP 0635320 B1 19971119 (DE)

Application

EP 94111292 A 19940720

Priority

DE 4324963 A 19930724

Abstract (en)

[origin: EP0635320A1] 2.1. The problem of the invention is to achieve clamping of the workpiece against the ram and hence holding of the sheet, even during the drawing operation of a single-acting press or of a single-acting drawing stage of a transfer press, without the ram having to operate against this force and without having to manage without the connection between the press ram and the plunger plate, in order to reduce the width between uprights of the press and, at the same time, to avoid affecting the position of the ram guide and the free area between the lateral uprights and the sliding table or between the lateral uprights and the carrying rail. 2.2. In the case of the pressure pad, working cylinders (14) with piston rods at both ends are arranged in the press table, these piston rods being supported against one another during the drawing process, one end of the piston rods being connected by transmission elements to the pressure-pad frame, on which, underneath, a cushion unit for the production of the upward movement of the drawing cushion and of the ejection force is at the same time arranged, characterised in that the other piston rod (12) of the working cylinders (14) is connected to a mechanism for converting rotary motion into translational motion, the mechanism is connected operatively on the input side to the drive shaft (27) of the press drive (1), and the working piston (15) of each working cylinder (14) can be subjected to pressure on the mechanism side. A further solution is configured without the cushion unit and with, in each working cylinder (14), working pistons (15) that can be subjected to pressure on both sides. <IMAGE>

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Cited by

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