

Title (en)

PRESSURE-ADJUSTING SYSTEM FOR A HYDRAULICALLY-OPERATED CLUTCH AND/OR BRAKE FOR THE DRIVE SHAFT OF A PRESS

Publication

EP 0216776 B1 19881019 (DE)

Application

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Priority

EP 8400225 W 19840719

Abstract (en)

[origin: WO8600849A1] The pressure-adjusting system for controlling and damping the starting and braking operations, which is adapted to the requirements of press operation by means of an electric control system (37, 38, 39) according to the travel, time or angle, prevents at each cycle restrictions in the feed line (3) between the safety valve (4) of the press and the actuation cylinder (5) and allows an optimum pressure pattern by a parallel line (15) which is inserted therein, through which, depending on the setting position of a distribution valve (23) fitted inside, the pressure can be decreased or increased to a pre-selected degree without a considerable loss of time. A pressure-maintaining system, which is itself independent of the position of the safety valve of the press together with a storage unit (19) and topping-up system permits not only the pressure relief to the tank (1), but also the additional pressure or a removal from the supply line (3) directly after the switching over of the magnetic setting elements (31, 33, 35) controlling the valves (4, 23), which are triggered by signal emitters (39), which mark the various partial strokes of the press.

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