

Title (en)
METHOD FOR OPERATING A HYDRAULIC PRESS, AND HYDRAULIC PRESS

Title (de)
VERFAHREN ZUM BETREIBEN EINER HYDRAULISCHEN PRESSE UND EINE HYDRAULISCHE PRESSE

Title (fr)
PROCÉDÉ DE FONCTIONNEMENT D'UNE PRESSE HYDRAULIQUE ET PRESSE HYDRAULIQUE

Publication
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Application
EP 13722386 A 20130507

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Abstract (en)
[origin: WO2013167630A1] The invention relates to a hydraulic press (10) and a method for operating a hydraulic press (10) in cycles. The aim of the invention is to lower energy consumption in a method for shaping workpieces by means of a hydraulic press and in a hydraulic press for shaping workpieces. With respect to the method, said aim is achieved in that each cycle has at least one phase in which the storage pressure p_s in the accumulator (15) causes hydraulic fluid to be pressed from a hydraulic accumulator (15) into a chamber (11.1, 11.2) of a hydraulic cylinder (11) of the press (10) in order to move a ram (12) of the press (10) relative to the cylinder (11), said ram, to which a tool (21) for shaping a workpiece can be coupled, being coupled to the cylinder (11); and in that in at least one portion of each cycle, a hydraulic pump (13) driven by a motor (14) delivers hydraulic fluid to the accumulator (15) at a charging volume flow rate, and the storage pressure p_s is adjusted to a reference value p_{SOLL} by setting the speed of the motor (14) to a nominal motor speed n_N and to at least one intermediate value n_z , where $0 < n_z < n_N$.

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Cited by
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