Title (en)

CONTROLLER FOR A HYDRAULIC PRESS AND METHOD FOR THE OPERATION THEREOF

Title (de)

STEUERVORRICHTUNG FÜR EINE HYDRAULISCHE PRESSE SOWIE VERFAHREN ZU DEREN BETRIEB

Title (fr)

DISPOSITIF DE COMMANDE POUR UNE PRESSE HYDRAULIQUE ET PROCEDE POUR SON FONCTIONNEMENT

Publication

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Application

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Abstract (en)

[origin: WO0224441A1] The invention relates to a controller for a hydraulic press, comprising a pressing cylinder (1), a reservoir (2), a valve group (3), a pressure medium reservoir (7) and a hydraulic pump (6), connected together by means of a cylinder line (4), a reservoir line (5) and a tank line (8). According to the invention, a pressure converter (9) is arranged on the valve group (3), which may operate as a pressure amplifier or pressure reducer. The particular mode of action of said controller is achieved whereby the valve group (3) comprises a pre-press valve (11), a low-pressure chamber outlet valve (12), a low-pressure chamber inlet valve (13), a main press valve (14), a closing valve (15), a pressure release valve (16) and a 3-way valve (17), which may be operated by a particular control sequence. Said invention is applicable in hydraulic presses and of particular advantage in presses for the forming of ceramic pieces such as tiles.

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IPC 8 full level

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Citation (search report)

See references of WO 0224441A1

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RU2598410C1; RU2468919C1; RU2764536C1; CN102963026A; RU2687122C1; RU178161U1

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