

Title (en)

METHOD, TOOL AND PRESS FOR THE ELECTROHYDRAULIC FORMING OF A WORKPIECE

Title (de)

VERFAHREN, WERKZEUG UND PRESSE ZUR ELEKTROHYDRAULISCHEN FORMUNG EINES WERKSTÜCKES

Title (fr)

PROCEDE, OUTILLAGE ET PRESSE DE FORMAGE ÉLECTROHYDRAULIQUE D'UNE PIECE

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Application

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Abstract (en)

[origin: WO2014108468A1] The invention concerns a method for forming a workpiece by pressing that eliminates elastic return, which involves using a tool (20) of which at least one of the forming portions (21; 23) comprises a cavity (26) filled with a liquid (27) and provided with electrodes (28) capable of generating at least one shock wave in the cavity and through the wall (25) of said forming portion, deforming a material blank (18) between the two forming portions under the effect of a deformation pressure, and generating, without releasing the deformation pressure, at least one shock wave in the cavity such that the shock wave passes through the material blank orthogonally to the surface of same. The invention also concerns a tool (20) and a press (10) suitable for implementing the method.

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