

Title (en)
METHOD FOR OPERATING A HYDRAULICALLY OPERATED HANDHELD APPARATUS AND HYDRAULICALLY OPERATED HANDHELD APPARATUS

Title (de)
VERFAHREN ZUM BETREIBEN EINES HYDRAULISCH BETRIEBENEN HANDGERÄTES SOWIE HYDRAULISCH BETRIEBENES HANDGERÄT

Title (fr)
PROCÉDÉ D'EMPLOYER UN OUTIL HYDRAULIQUE ET OUTIL HYDRAULIQUE

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Application
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Abstract (en)
[origin: CA2978061A1] The invention relates to a method for operating a hydraulically operated hand-held device (1), for example a pressing device and/or a hole-punching or punching device, wherein the hand-held device (1) comprises a hydraulic pump, a moving part (4), a fixed part (5) and a return valve (8) with an associated valve seat, wherein furthermore the moving part (4) can be displaced into a working position by a build-up of hydraulic pressure which is produced by filling a hydraulic chamber (6) with hydraulic medium from a storage chamber (3) using the hydraulic pump. It can be achieved that the moving part (4) can be automatically moved back from the working position into an end position by opening the return valve (8), if a predetermined working pressure is reached. Moreover, a pressure sensor can be provided. Provision may also be made for a working scheme to be triggered when a switch is actuated by a hand of a user. In order to allow the machining of different workpieces in particular with regard to size and/or material and/or to simplify handling with a device having a simple construction, it is proposed that the hydraulic pressure acting upon the return valve (8) for triggering a movement of the moving part (4) into the end position is increased independently of reaching the predefined working pressure. The invention further relates to a hydraulically operated hand-held device.

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Citation (examination)

- WO 2011061212 A1 20110526 - NOVOPRESS GMBH [DE], et al
- WO 2007018649 A1 20070215 - CUSTOM MACHINING SERVICES INC [US], et al

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