

Title (en)
HYDRAULIC PISTON MACHINE

Title (de)
HYDRAULISCHE KOLBENMASCHINE

Title (fr)
MACHINE HYDRAULIQUE A PISTONS

Publication
EP 0679227 B1 19970416 (EN)

Application
EP 94904992 A 19940106

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• DK 9400009 W 19940106

Abstract (en)
[origin: WO9416220A1] A hydraulic piston machine is disclosed, with a cylinder body (1) and a control counter-plate (4) which engage one another via the intermediary of a control surface, the cylinder body having at least one cylinder which emerges by way of an opening (2) into the control surface, and the control counter-plate (4) has a high-pressure channel (6) and a low-pressure channel (5) which are connected to a high-pressure connection and a low-pressure connection (7) respectively and, upon movement of cylinder body (1) and control counter-plate (4) relative to one another, are passed over by the opening (2), the low-pressure channel (5) having a groove (9) at its end passed over first by the opening (2). It is desirable to be able to operate a machine of that kind also with a hydraulic fluid that has a relatively low viscosity. For that purpose, the groove (9), together with the opening (2), produces a directed jet (12) at least immediately after the start of their overlap.

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