

Title (en)

HYDROSTATIC MACHINE WITH COMPENSATED SLEEVES

Title (de)

HYDROSTATISCHE MASCHINE MIT KOMPENSIERTEN LAUFBUCHSEN

Title (fr)

MACHINE HYDROSTATIQUE CHEMISES DE CYLINDRES COMPENSES

Publication

**EP 1427914 A1 20040616 (DE)**

Application

**EP 02777007 A 20020905**

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Abstract (en)

[origin: WO03025347A1] The invention relates to a hydrostatic machine with a cylinder block (6), within which sleeve holes (28b) are arranged, in which sleeves (28) sit, surrounding piston bores (28a) in which pistons (29) are mounted, such as to be displaced back and forth and the pistons (29) extend into the cylinder block (6) such as to define cylinders (26) with the front ends thereof. According to the invention, the risk of piston seizure can be reduced, whereby the sleeves (28) comprise an axially-defined recess (41) in the outer surface thereof, in the region facing away from the cylinder and the region with the greatest piston radial force, pressing the pistons (29) against the wall of the piston bore.

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