

Title (en)

HYDRAULIC MECHANISM, ENGINE OR PUMP WITH ROLLERS MOUNTED ON THE PISTONS AND WITH MEANS FOR KEEPING THESE ROLLERS IN POSITION

Publication

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Application

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Priority

FR 8507426 A 19850515

Abstract (en)

[origin: US4719843A] This invention relates to a hydraulic mechanism having a cylinder block comprising cylinders, pistons mounted in these cylinders, and supporting rollers for abutment on a cam with respect to which the cylinder block is mounted to rotate. The mechanism for holding each roller in position with respect to a corresponding piston comprises two distinct supports which each abut on the inner surface of the cylinder, are maintained in position along the axis of the piston, have their angular orientation with respect to this axis constant and possess a face for abutment against an end face of the roller. One application of the invention is the manufacture of a compact engine.

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