

Title (en)
ADAPTIVE MOTOR MECHANISM

Title (de)
ADAPTIERBARER MOTORMECHANISMUS

Title (fr)
MECANISME DE MOTEUR ADAPTATIF

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Application
EP 96901158 A 19960118

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Abstract (en)
[origin: WO9716625A1] The present invention relates to an adaptive motor mechanism which achieves the transformation of the alternative motion of translation in rotation motion and conversely, concomitantly with the continuous adjustment of the stroke. This mechanism has two pistons (1) which drive, using two connecting rods (3), a crank shaft (4) which turns inside a main shaft (6). The crank shaft (6) includes a satellite (c) which engages with an interior geared plate (5), considered fixed for the same adjustment. The interior geared plate (5) has to the external side a geared segment (f) engaging with a worm (8) which can change the radial position of the interior geared plate (5) and therefore the stroke of the pistons (1). This mechanism can be used for thermic and hydraulic machines or for any mechanical structure having need of variable stroke.

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