Title (en)

ECCENTRIC DRIVE MECHANISM FOR VOLUMETRIC PUMPS OR MOTORS

Title (de)

EXZENTERTRIEBWERK FÜR VOLUMETRISCH WIRKENDE PUMPEN ODER MOTOREN

Title (fr)

MECANISME DE TRANSMISSION EXCENTRIQUE DESTINE A DES POMPES D'ACTION VOLUMETRIQUE OU MOTEURS

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Application

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Abstract (en)

[origin: WO2005003558A1] The invention relates to an eccentric drive mechanism for volumetric pumps or motors, comprising the following features: a) at least one stroke member (6, 6'), which is rotationally fixed to the shaft (W) of the crank gear and has at least one stroke bearing (HL) that is eccentric in relation to the axis (XX) of the shaft; b) the stroke bearing (HL) connects the stroke member (HG) to a coupling member (KG) that plays no part in the rotational displacement, said member being connected to at least one pressure member (DG) for the oscillating delivery drive mechanism of at least one piston-cylinder unit by means of a transversal bearing (QL); c) at least one pressure delivery source (DQ) for lubricant, which is connected on the output side to the transversal bearing (QL) via a system of channels; d) starting from a connection channel (KA) that is connected to the pressure delivery source (DQ), the channel system comprises a first channel (K1) running through the stroke member (HG) into the stroke bearing (HL) and at least one second channel (K2) running from said stroke bearing through the coupling member (KG) into the transversal bearing (QL).

IPC 8 full level

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