

Title (en)

FLUID ENERGY MACHINE HAVING TWO OPPOSITE CYLINDER ROTORS

Title (de)

FLUIDENERGIEMASCHINE MIT ZWEI GEGENÜBERLIEGENDEN ZYLINDERROTOREN

Title (fr)

MACHINE À ÉNERGIE HYDRAULIQUE OU PNEUMATIQUE COMPORTANT DEUX ROTORS À CYLINDRES OPPOSÉS

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Application

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Abstract (en)

[origin: WO2012117063A1] The invention relates to a fluid energy machine, comprising two opposite cylinder rotors (1, 1'), the rotational axes of which form an angle, wherein a plurality of cylinders (2, 2') are provided in the cylinder rotors (1, 1') radially along the periphery thereof. Each cylinder (2) of the first cylinder rotor (1) is associated with a corresponding opposite cylinder (2) of the second cylinder rotor (1), wherein the pistons (3, 3') accommodated in two opposite cylinders (2, 2') and moved along with them are connected to each other by a piston rod (4). A rotary guide (5) for the piston rods (4) is provided between the cylinder rotors (1, 1'). The rotary guide is rigidly connected to an output shaft (6). A play compensating element (13, 13') is provided on each piston (3, 3') in order to compensate the position error resulting from the kinematics.

IPC 8 full level

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