Title (en)

ROTARY-PISTON ENGINE AND VEHICLE COMPRISING AN ENGINE OF THIS TYPE

Title (de)

SCHWENKKOLBENMASCHINE UND FAHRZEUG MIT EINER SOLCHEN SCHWENKKOLBENMASCHINE

Title (fr)

MOTEUR A PISTONS ROTATIFS ET VEHICULE COMPRENANT LEDIT MOTEUR A PISTONS ROTATIFS

Publication

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Application

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Priority

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- CH 5952004 A 20040406

Abstract (en)

[origin: WO2005098202A1] The invention relates to a rotary-piston engine comprising at least two rotary pistons (6, 7), which are located in an essentially spherical housing (1) and which rotate in common about a rotational axis (8) running through the centre of said housing, each of said rotary pistons comprising two pistons (13-16) that are interconnected in a fixed manner, lie diametrically opposite the centre of the housing and execute pivoting displacements back and forth in opposite directions about a pivoting axis (9) running perpendicular to the rotational axis (8), during their rotation. To control the pivoting displacements, the engine is provided with loose spherical or ellipsoidal rotational bodies (27), which are rotatably mounted in the sliding surfaces (20) of the pistons (13-16) in respective guide sockets (25) that are hemispherical or ellipsoidal and which engage in at least one guide groove (26) that is configured in the housing (1). Said groove has an essentially hemispherical or ellipsoidal profile.

IPC 8 full level

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CPC (source: EP KR US)

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