Title (en)

PENDULUM PISTON MOTOR

Title (de)

PENDELKOLBENMOTOR

Title (fr)

MOTEUR DE PISTON PENDULAIRE

Publication

EP 1036254 A1 20000920 (EN)

Application

EP 98940751 A 19980824

Priority

- SE 9801511 W 19980824
- SE 9704477 A 19971202

Abstract (en)

[origin: WO9928597A1] A hydraulically or pneumatically actuated pendulum piston motor or ring (toroid) piston motor comprising a cylinder housing (1) having a cylinder (toroid) race (2) therein, in which a pendulum piston (3) is swingable in two opposite swing directions, and in which the cylinder race (2), at a place thereof, is divided by a piston chamber wall (4) which defines a piston chamber (5 and 6) on each side of the piston (3), and in which the pendulum piston (3), via a fly mass (10), is connected to a central, output shaft (13) and is arranged to operate over an actuation angle in each swing direction of 340-355 DEG . The pendulum piston motor is formed with two free wheel couplings (14, 15) acting in opposite directions in relation to each other, and with means (17-21) for inverting the direction of rotation of the output shaft (13) during one swing direction of pendulum piston (3).

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F01C 9/00; F04C 9/00

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