

Title (en)
ROTARY PISTON ENGINE

Title (de)
ROTATIONSKOLBENMASCHINE

Title (fr)
MOTEUR A PISTON ROTATIF

Publication
EP 0891470 B1 19991208 (EN)

Application
EP 97916399 A 19970326

Priority
• DE 19613262 A 19960402
• EP 9701549 W 19970326

Abstract (en)
[origin: DE19613262A1] A rotary piston engine (10) is described, with a housing (12), with two shafts (18, 20) running on bearings therein and coupled by a wheel gearing, with the shafts bearing two rotary pistons (28, 30) that can be put into counter-rotational motion in the housing by admission of a compressed medium, which motion can be used for the drive via one of the shafts. The two rotary pistons (28, 30) contact each other and the housing wall (32) under elastic pressure and like said housing wall they comprise extruded sections. The compressed air intake and outlet are arranged and designed in such a manner that as small a dead space as possible is formed. By means of this structure leakage losses are avoided, so that the engine has a good efficiency and can be used in particular as a swivel actuator with an actuating stroke of 360 DEG .

IPC 1-7
F01C 1/12

IPC 8 full level
F01C 1/08 (2006.01); **F01C 1/12** (2006.01)

CPC (source: EP)
F01C 1/082 (2013.01); **F01C 1/084** (2013.01); **F01C 1/126** (2013.01); **F05C 2225/04** (2013.01)

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DE FR IT

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DE 19613262 A1 19971009; AU 2506097 A 19971022; DE 69700914 D1 20000113; DE 69700914 T2 20000518; EP 0891470 A1 19990120; EP 0891470 B1 19991208; WO 9737106 A1 19971009

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