

Title (en)
Rotary piston engine

Title (de)
Rotationskreiskolbenmotor

Title (fr)
Moteur à piston rotatif

Publication
EP 1722068 A1 20061115 (DE)

Application
EP 05090131 A 20050509

Priority
EP 05090131 A 20050509

Abstract (en)
Rotary piston engine (33) has two rotators (2,2a), in which 9-12 double acting rotary pistons (1,1a) are supported by fulcrum pins (3). The rotators form a hollow-shaped cylinder space with the housing (22) and a second gas-tight working chamber (4) in the two rotators for the rotary piston. The rotor rotates with the engine shaft (14) to the right, the rotor rotates with the engine shaft (14a) to the left and in such a way forms a flow direction for the working medium. By the displacement of the engine shafts, the rotators form working and pressure chambers (10) and the expansion chamber (20) with the rotary pistons. The upper piston working surface forms a tangent to the rotators. Additionally the double acting rotary pistons are suspended by a stopper (7) and strengthen with a heat-proof material plate (5,6).

IPC 8 full level
F01C 1/44 (2006.01); **F01C 1/12** (2006.01); **F01C 11/00** (2006.01); **F03C 2/30** (2006.01)

CPC (source: EP)
F01C 1/44 (2013.01); **F01C 11/008** (2013.01); **F03C 2/308** (2013.01)

Citation (search report)
• [EL] DE 202005007292 U1 20050804 - HERRMANN KLAUS [DE]
• [A] US 3789809 A 19740205 - SCHUBERT E
• [A] US 3564578 A 19710216 - TAYLOR JOHN H

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
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