

Title (en)
Rotary piston engine

Title (de)
Drehkolbenmotor

Title (fr)
Moteur à piston rotatif

Publication
EP 2642070 B1 20160120 (DE)

Application
EP 13154749 A 20130211

Priority
AT 500872012 A 20120319

Abstract (en)
[origin: EP2642070A1] The engine has swivel pistons (8) pivotally mounted on a rotor (2) parallel to a rotor shaft (9). An annular gap is provided between housing (1) and the rotor and divided into two cylindrical sections (4). The swivel pistons form an in-flow profile for a raising moment works against a restoring moment and opens gas lines (7) in a nozzle (13) for a raising incident flow of the swivel pistons. The swivel pistons are actuated with the restoring moment swung against rotor rotational direction for an engagement of the swivel pistons in a stop-limited rest position.

IPC 8 full level
F01C 1/44 (2006.01); **F01C 21/08** (2006.01); **F04C 2/44** (2006.01)

CPC (source: EP)
F01C 1/44 (2013.01); **F01C 21/0809** (2013.01); **F04C 2/44** (2013.01)

Cited by
CN110359963A; CN109578081A

Designated contracting state (EPC)
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EP 2642070 A1 20130925; EP 2642070 B1 20160120; AT 512169 A4 20130615; AT 512169 B1 20130615

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