

Title (en)

Cylinder-piston assembly operated with a closed-circuit working gas

Title (de)

Zylinder-Kolben-Baugruppe betrieben mit einem abgeschlossenen Arbeitsgas

Title (fr)

Module piston-cylindre actionné par un gaz de travail enfermé

Publication

**EP 2740922 B1 20190213 (DE)**

Application

**EP 12008152 A 20121206**

Priority

EP 12008152 A 20121206

Abstract (en)

[origin: EP2740922A1] The component has a piston i.e. ceramic piston, where an outer surface of a piston portion (8) made of thermal ceramic material partly forms a seal and a guide surface at a sealing body (10). A heated cylinder chamber (4) faces an axial piston section (7) made of thermally-insulating ceramic material, and the piston portion is arranged downstream of the sealing body. A thermal depth stage is determined by temperature of a cold cylinder space (5), where component is made of thermal ceramic material such as silicon carbide or aluminum nitride. An independent claim is also included for a stirling engine.

IPC 8 full level

**F02G 1/053** (2006.01)

CPC (source: EP)

**F02G 1/053** (2013.01); **F02G 2270/40** (2013.01); **F05C 2251/048** (2013.01)

Cited by

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DOCDB simple family (publication)

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