

Title (en)

Hot gas engine with cam operated stem guided inlet valve

Title (de)

Heissgas-Kraftmaschine mit einemnockengesteuerten, schaftgeführten Einlassventil

Title (fr)

Moteur à gaz chaud avec une soupape d'admission activée par cames avec guidage de tige-soupape

Publication

**EP 0897059 A3 19991222 (DE)**

Application

**EP 98112194 A 19980701**

Priority

DE 19735315 A 19970814

Abstract (en)

[origin: EP0897059A2] The hot gas engine (1) has a cam-controlled stem-guided inlet valve (2) to control a an inlet channel connecting a separate combustion chamber to the working chamber (3) of the engine. A levelling piston (7) compensates for the gas pressure in the inlet channel. The levelling piston is pressurized by the gas pressure existing in the working chamber on the opposite side to the gas pressure in the inlet channel.

IPC 1-7

**F02G 1/02**; **F01L 3/00**

IPC 8 full level

**F01L 1/46** (2006.01); **F01L 3/00** (2006.01); **F02G 1/02** (2006.01)

CPC (source: EP)

**F01L 1/46** (2013.01); **F01L 3/00** (2013.01); **F02G 1/02** (2013.01)

Citation (search report)

- [AD] DE 521925 C 19310330 - ASS ELECT IND
- [AD] DE 730040 C 19430413 - HERMANN RIESELER

Cited by

RU2472009C1; EP0992657A1; CN103422929A; CN104929718A; CN113383155A; US6182620B1; WO2013174303A1; WO2020156915A3

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DOCDB simple family (publication)

**EP 0897059 A2 19990217**; **EP 0897059 A3 19991222**; DE 19735315 A1 19990218

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**EP 98112194 A 19980701**; DE 19735315 A 19970814