

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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