

Title (en)  
Installation for producing energy with a free-piston generator.

Title (de)  
Anlage zur Energieerzeugung mit einem Freikolbengenerator.

Title (fr)  
Installation de production d'énergie à générateur à pistons libres.

Publication  
**EP 0007874 A1 19800206 (FR)**

Application  
**EP 79400531 A 19790725**

Priority  
FR 7822168 A 19780726

Abstract (en)  
1. Energy production apparatus, comprising a free piston gas generator having a plurality of compression chambers and at least one drive cylinder (5, 6) as well as a gas turbine which receives the exhaust gas from said drive cylinder or cylinders, characterized in that the compression chambers (3a-3n) are distributed between a first fraction and a second fraction, in that the compression chambers (3a) of said first fraction are supplied with air by a supercharging compressor (20) through a first air cooler (22) and deliver hot compressed air which is at least partially fed to a turbine (27), in that the compression chambers (3n) belonging to said second fraction are supplied by a supercharging compressor through a second cooler (23) and feed the drive cylinder or drive cylinders (5, 6) through a third cooler (24).

Abstract (fr)  
L'installation de production d'énergie comprend un générateur de gaz à pistons libres alimentant une turbine à gaz (25). Certains des compartiments compresseurs (3a) du générateur sont alimentés en air par un compresseur rotatif (20) à travers un refroidisseur (22) qui alimente une turbine à air (27). Les autres compartiments compresseurs (3n) sont alimentés en air à travers un second refroidisseur (23) qui alimente les cylindres moteurs du générateur à travers un second refroidisseur (24).

IPC 1-7  
**F02B 71/06**

IPC 8 full level  
**F02B 71/06** (2006.01); **F02B 75/04** (2006.01); **F02C 5/08** (2006.01)

CPC (source: EP)  
**F02B 71/06** (2013.01); **F02B 75/04** (2013.01)

Citation (search report)  

- FR 1601540 A 19700824
- FR 1094386 A 19550520 - RATEAU SOC
- DE 2621016 A1 19761125 - RESONANCE MOTORS INC
- DE 811518 C 19510820 - PARTICIPATIONS EAU SOC ET
- CH 216488 A 19410831 - SULZER AG [CH]

Cited by  
EP0218505A1; FR2587062A1; WO8002442A1; WO8100019A1

Designated contracting state (EPC)  
AT BE CH DE GB IT LU NL SE

DOCDB simple family (publication)  
**EP 0007874 A1 19800206**; **EP 0007874 B1 19811014**; AT E301 T1 19811015; DE 2960986 D1 19811224; FR 2432089 A1 19800222; FR 2432089 B1 19810206

DOCDB simple family (application)  
**EP 79400531 A 19790725**; AT 79400531 T 19790725; DE 2960986 T 19790725; FR 7822168 A 19780726