

Title (en)

Free-piston engine

Title (de)

Freikolbenmotor

Title (fr)

Moteur à pistons libres

Publication

EP 2573358 A3 20171122 (DE)

Application

EP 12006682 A 20120925

Priority

DE 202011106073 U 20110926

Abstract (en)

[origin: EP2573358A2] The engine (1) has a cylinder (2) adjustably receiving a piston (3) and comprising a compression chamber for compacting working gas, and a combustion chamber for burning the working gas. The combustion chamber and the compression chamber comprise same outer contour, and are separated from each other by the piston and connected with one another by a pressure relief channel, where the channel is exclusively closed by the piston. A linear generator (6) is in steering active connection with a controller (11) that controls frequency and/or phase of the piston movement.

IPC 8 full level

F02B 71/04 (2006.01)

CPC (source: EP)

F02B 71/00 (2013.01); **F02B 71/04** (2013.01)

Citation (search report)

- [X] GB 2332988 A 19990707 - PINKERTON DUNCAN [BE], et al
- [X] US 4876991 A 19891031 - GALITELLO JR KENNETH A [US]
- [XI] FR 2542810 A1 19840921 - SELLET CHRISTIAN [FR]
- [XI] WO 0205407 A2 20020117 - AERODYNE RES INC [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 202011106073 U1 20111228; EP 2573358 A2 20130327; EP 2573358 A3 20171122

DOCDB simple family (application)

DE 202011106073 U 20110926; EP 12006682 A 20120925