

Title (en)
HYBRID ROTARY ENGINE

Title (de)
HYBRIDROTATIONSMASCHINE

Title (fr)
MOTEUR ROTATIF HYBRIDE

Publication
EP 2009232 A1 20081231 (EN)

Application
EP 07730500 A 20070320

Priority
• ES 2007070060 W 20070320
• ES 200600752 A 20060323

Abstract (en)
Hybrid rotary engine with tangential pistons that can operate, without distinction, as a two-stroke heat engine with spontaneous or controlled explosion or with compressed air, in which modification of the method of operation of the inlet valve (6) and the addition of a valve (4) in the cylinder head and another in the rear chamber (2), plus a fuel cut-off valve (3) and a distributor (5), in addition to the corresponding pneumatic system, make it possible for it to operate, without distinction, as conventional heat engine or by means of compressed gases, and the changeover from one type of operation to the other does not require any transition, the valves being able to operate pneumatically and/or electromechanically.

IPC 8 full level
F01B 5/00 (2006.01)

CPC (source: EP ES)
F01B 9/06 (2013.01 - EP ES); **F01B 9/08** (2013.01 - EP); **F01B 13/045** (2013.01 - EP ES); **F02B 57/06** (2013.01 - EP ES); **F01B 2009/045** (2013.01 - EP); **F02B 2075/025** (2013.01 - EP); **F02B 2075/027** (2013.01 - EP)

Citation (search report)
See references of WO 2007107617A1

Cited by
CN104769220A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 2009232 A1 20081231; ES 2302608 A1 20080716; ES 2302608 B1 20090520; WO 2007107617 A1 20070927

DOCDB simple family (application)
EP 07730500 A 20070320; ES 200600752 A 20060323; ES 2007070060 W 20070320