

Title (en)

A ROTARY DEVICE AND A METHOD OF OPERATING A ROTARY DEVICE

Title (de)

DREHVORRICHTUNG UND BETRIEBSVERFAHREN FÜR EINE DREHVORRICHTUNG

Title (fr)

DISPOSITIF ROTATIF ET PROCEDE DE FONCTIONNEMENT DE CE DISPOSITIF ROTATIF

Publication

EP 1766188 A1 20070328 (EN)

Application

EP 05755207 A 20050627

Priority

- GB 2005002503 W 20050627
- GB 0414524 A 20040629

Abstract (en)

[origin: WO2006000797A1] The invention relates to a rotary device, comprising: a chamber for receiving a charge of an air/fuel mixture and for oxidising the fuel by detonation; and a rotary expander having a transient chamber of variable volume, the transient chamber being in fluid communication with the detonation chamber during at least part of a cycle of rotation of the rotary expander, the rotary expander being arranged to be driven by expansion of the air/fuel mixture caused by detonation thereof.

IPC 8 full level

F01C 1/12 (2006.01); **F01C 1/16** (2006.01); **F01C 1/20** (2006.01); **F01C 11/00** (2006.01)

CPC (source: EP)

F01C 1/123 (2013.01); **F01C 1/16** (2013.01); **F01C 1/20** (2013.01); **F01C 11/004** (2013.01)

Citation (search report)

See references of WO 2006000797A1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006000797 A1 20060105; EP 1766188 A1 20070328; GB 0414524 D0 20040728; JP 2008504488 A 20080214; JP 4729041 B2 20110720

DOCDB simple family (application)

GB 2005002503 W 20050627; EP 05755207 A 20050627; GB 0414524 A 20040629; JP 2007518677 A 20050627