

Title (en)
ENGINE WITH VARIABLE VALVE TIMING

Title (de)
MOTOR MIT VARIABLER VENTILSTEUERUNG

Title (fr)
MOTEUR A REGLAGE DE DISTRIBUTION VARIABLE

Publication
EP 1761684 A1 20070314 (EN)

Application
EP 05748585 A 20050602

Priority
• GB 2005050078 W 20050602
• GB 0414514 A 20040629

Abstract (en)
[origin: GB2415745A] An engine has a crankshaft, and a camshaft formed of two concentric rotary members 50, 52 at least one of which carries a group of cams 54. A transmission train drives one of the rotary members 52 in fixed phase relationship with the crankshaft and a phaser 12 serves to enable the phase of the other rotary member 50 to be varied dynamically relative to the phase of the crankshaft and the first rotary member 52. The invention uses the unphased rotary member 52 to drive an auxiliary device 16, such as a diesel pump, so that the reaction torque of the auxiliary device 16 does not affect the operation of the phaser 12.

IPC 8 full level
F01L 1/34 (2006.01); **F01L 1/047** (2006.01); **F02B 67/06** (2006.01)

CPC (source: EP)
F01L 1/047 (2013.01); **F01L 1/34** (2013.01); **F01L 2001/0473** (2013.01); **F02B 67/06** (2013.01)

Citation (search report)
See references of WO 2006000832A1

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)
GB 0414514 D0 20040728; **GB 2415745 A 20060104**; CN 1977091 A 20070606; CN 1977091 B 20110831; EP 1761684 A1 20070314; EP 1761684 B1 20120704; WO 2006000832 A1 20060105

DOCDB simple family (application)
GB 0414514 A 20040629; CN 200580021857 A 20050602; EP 05748585 A 20050602; GB 2005050078 W 20050602