

Title (en)

ADJUSTMENT DEVICE FOR A VARIABLE COMPRESSION RATIO ENGINE

Title (de)

EINSTELLVORRICHTUNG FÜR EINEN MOTOR MIT VERÄNDERLICHEM VERDICHTUNGSVERHÄLTNIS

Title (fr)

DISPOSITIF DE REGLAGE POUR MOTEUR A RAPPORT VOLUMETRIQUE VARIABLE

Publication

**EP 1740810 B1 20090513 (FR)**

Application

**EP 05736556 A 20050311**

Priority

- FR 2005000584 W 20050311
- FR 0402540 A 20040311
- US 62418504 P 20041103

Abstract (en)

[origin: FR2867515A1] The device has a shim to adjust the distance between an internal combustion engine block (100) and a support (41), to adjust the position of a transmission device, and to regulate oil clearance of the transmission device. A control device (12) has an actuating cylinder (8) with a cylinder piston rod (13) having a spherical section. A ball and socket joint is provided between a control rod (7) and the engine block.

IPC 8 full level

**F02D 15/02** (2006.01); **F01B 9/02** (2006.01); **F02B 75/04** (2006.01); **F02B 75/32** (2006.01); **F02D 15/04** (2006.01); **F01B 9/04** (2006.01)

CPC (source: EP KR US)

**F01B 9/02** (2013.01 - EP KR US); **F02B 75/04** (2013.01 - KR); **F02B 75/32** (2013.01 - EP KR US); **F02D 15/02** (2013.01 - EP KR US); **F02D 15/04** (2013.01 - EP US); **F01B 9/047** (2013.01 - EP US); **F02B 75/04** (2013.01 - EP US)

Cited by

CN102400794A; WO2017203127A1; WO2016058724A1; US10202899B2; US10787960B2; US11512628B2

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)

**US 2008017023 A1 20080124; US 7562642 B2 20090721**; AT E431497 T1 20090515; AU 2005230535 A1 20051020; AU 2005230535 B2 20100923; CA 2558354 A1 20051020; CA 2558354 C 20120925; CN 100458124 C 20090204; CN 1950596 A 20070418; DE 602005014464 D1 20090625; EP 1740810 A1 20070110; EP 1740810 B1 20090513; ES 2326748 T3 20091019; FR 2867515 A1 20050916; FR 2867515 B1 20060602; JP 2007538187 A 20071227; JP 4601663 B2 20101222; KR 101157279 B1 20120615; KR 20060130243 A 20061218; WO 2005098219 A1 20051020

DOCDB simple family (application)

**US 59206205 A 20050311**; AT 05736556 T 20050311; AU 2005230535 A 20050311; CA 2558354 A 20050311; CN 200580014867 A 20050311; DE 602005014464 T 20050311; EP 05736556 A 20050311; ES 05736556 T 20050311; FR 0402540 A 20040311; FR 2005000584 W 20050311; JP 2007502371 A 20050311; KR 20067021010 A 20050311