

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 A1 20070110 (FR)**

Application

**EP 05736556 A 20050311**

Priority

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Abstract (en)

[origin: US2008017023A1] An adjustment device for a variable compression ratio engine. An engine block ( 100 ) is equipped internally with a transmission device ( 1 ) including, for at least one piston ( 2 ), a transmission member ( 3 ) which co-operates with (i) a rolling guide device ( 4 ) and (ii) a sprocket wheel ( 5 ), the sprocket wheel ( 5 ) co-operating with a control rack ( 7 ), on the opposite side from the transmission member ( 3 ). Moreover, the vertical position of the control rack in relation to the engine block ( 100 ) is adjusted by a control device ( 12 ). In addition, the adjustment device includes: elements for adjusting the position of the transmission device ( 1 ), which are disposed at the rolling guide device ( 4 ); and elements for adjusting the working clearance of the transmission device ( 1 ), which are disposed at the control rack ( 7 ).

IPC 8 full level

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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)

Citation (search report)

See references of WO 2005098219A1

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