

Title (en)
DEVICE FOR VARYING A COMPRESSION RATIO OF AN INTERNAL COMBUSTION ENGINE AND METHOD FOR USING SAID DEVICE

Title (de)
VORRICHTUNG ZUR ÄNDERUNG DES VERDICHTUNGSVERHÄLTNISSES EINES VERBRENNUNGSMOTORS UND VERFAHREN ZUR VERWENDUNG DER VORRICHTUNG

Title (fr)
DISPOSITIF DE VARIATION DU TAUX DE COMPRESSION D'UN MOTEUR A COMBUSTION INTERNE ET PROCEDE POUR UTILISER UN TEL DISPOSITIF

Publication
EP 1756405 B1 20101027 (FR)

Application
EP 04816459 A 20041221

Priority
• FR 2004003329 W 20041221
• FR 0315214 A 20031223

Abstract (en)
[origin: FR2864154A1] The device (32) has a cam (42) housed between a crank pin (34) and a hole (44) provided in a connecting rod head (30). The cam has circular shape with geometric axis of the cam corresponding to its center axis, and a hole (46) with axis non coaxial with the geometric axis and merged with axis of the crank pin. The cam permits to vary compression rate of an internal combustion engine. An independent claim is also included for a method for varying compression rate of an internal combustion engine.

IPC 8 full level
F02B 75/04 (2006.01); **F02D 15/02** (2006.01)

CPC (source: EP US)
F02B 75/045 (2013.01 - EP US); **F02B 75/047** (2013.01 - EP US); **F02D 15/02** (2013.01 - EP US)

Cited by
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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 2008022977 A1 20080131; **US 7789050 B2 20100907**; AT E486203 T1 20101115; DE 602004029823 D1 20101209; EP 1756405 A1 20070228; EP 1756405 B1 20101027; FR 2864154 A1 20050624; FR 2864154 B1 20070907; WO 2005071242 A1 20050804

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US 58427503 A 20031221; AT 04816459 T 20041221; DE 602004029823 T 20041221; EP 04816459 A 20041221; FR 0315214 A 20031223; FR 2004003329 W 20041221