

Title (en)

VERY COMPACT DEVICE FOR ADJUSTING THE COMPRESSION RATIO OF AN INTERNAL COMBUSTION ENGINE

Title (de)

SEHR KOMPAKTE VORRICHTUNG ZUM VERSTELLEN DES VERDICHUNGSVERHÄLTNISSSES EINES BRENNKRAFTMOTORS

Title (fr)

DISPOSITIF TRES COMPACTE POUR AJUSTER LE TAUX DE COMPRESSION D UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1859135 B1 20090422 (FR)

Application

EP 06709379 A 20060227

Priority

- FR 2006000430 W 20060227
- FR 0501983 A 20050228

Abstract (en)

[origin: FR2882575A1] The device has a cam displacement control unit comprising a kinematic link that does not comprise a lock and connected to a flange ring (21) integrated with a cam (18). A position adjustment mechanism (29) and the link are integrated, outside a crank pin (22), a bearing (27) and a lever (23), in a volume describing a circle whose diameter is the same or less than the diameter of a greater circle. An independent claim is also included for a method for adjusting the compression ratio of an internal combustion engine.

IPC 8 full level

F02B 75/04 (2006.01)

CPC (source: EP US)

F02B 75/048 (2013.01 - EP US)

Cited by

AT524321A4; AT524321B1; WO2022187881A1

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DOCDB simple family (publication)

FR 2882575 A1 20060901; AT E429572 T1 20090515; DE 602006006422 D1 20090604; EP 1859135 A1 20071128; EP 1859135 B1 20090422; US 2008184966 A1 20080807; WO 2006092484 A1 20060908

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