

Title (en)

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

Title (de)

SEHR KOMPAKTE VORRICHTUNG ZUM VERSTELLEN DES VERDICHTUNGSVERHÄLTNISSSES EINES BRENNKRAFTMOTORS

Title (fr)

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

Publication

EP 1859135 A1 20071128 (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)

Citation (search report)

See references of WO 2006092484A1

Cited by

AT524321A4; AT524321B1; WO2022187881A1

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