Title (en)

METHOD AND SYSTEM OF CONTINUOUS CONTROL OF THE POSITION OF AN ACTUATOR FOR CHANGING THE COMPRESSION RATE OF A THERMIC ENGINE

Title (de)

VERFAHREN UND SYSTEM ZUR KONTINUIERLICHEN KONTROLLE DER POSITION EINES AKTUATORS ZUM ÄNDERN DER KOMPRESSIONSRATE EINES WÄRMEMOTORS

Title (fr)

PROCEDE ET SYSTEME DE PILOTAGE CONTINU DE LA POSITION D'UN ACTIONNEUR DE CHANGEMENT DE TAUX DE COMPRESSION D'UN MOTEUR THERMIQUE

Publication

EP 2024622 A1 20090218 (FR)

Application

EP 07788951 A 20070413

Priority

• FR 2007051115 W 20070413
• FR 0605051 A 20060607

Abstract (en)

[origin: US2010294244A1] A control system that allows continuous adjustment of a position of an actuator jack used to change compression rate of a heat engine, with mechanical-type regulation. A source of pressurised fluid is linked to a circuit to allow movement of the jack in two opposing directions. A servo-control device connected to the jack includes a mechanism to distribute fluid to control the position of a mobile element of the jack. A lever articulated with the mobile element of the jack in an initial articulation point includes a second articulation point with a mobile control unit in transfer controlling the distribution mechanism. The lever is able to turn around the initial articulation point via action of a control moving the driver assembly of the lever, connected to a third articulation point at the opposite end.

IPC 8 full level

F02D 15/02 (2006.01); **F02B 75/04** (2006.01); **F15B 15/20** (2006.01)

CPC (source: EP US)

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Designated contracting state (EPC)

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