Title (en)

METHOD FOR CONTROLLING MACHINE PISTON MOVEMENT, IMPLEMENTING DEVICE AND BALANCING OF SAID DEVICE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KONTROLLIEREN DER HUBKOLBEN BEWEGUNG UND AUSGLEICHESVORRICHTUNG

Title (fr)

PROCEDE DE CONTROLE DU MOUVEMENT DE PISTON DE MACHINE, DISPOSITIF DE MISE EN OEUVRE ET EQUILIBRAGE DU DISPOSITIF

Publication

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Application

EP 98951534 A 19981016

Priority

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• FR 9713313 A 19971017

Abstract (en)

[origin: FR2769949A1] The method involves halting the piston at its tdc position for a set period so that operations can be carried out with a chamber at constant volume e.g. ignition and combustion in an i.c. engine, fuel injection in a diesel engine, gas or compressed air transfer in an i.c. engine or expansion chamber, or completion of exhaust. The method involves halting a piston at its tdc position for a set period so that operations can be carried out with a chamber at constant volume e.g. ignition and combustion in an i.c. engine, fuel injection in a diesel engine, gas or compressed air transfer in an i.c. engine or expansion chamber, or completion of exhaust. The movement of the piston (1) in its cylinder is controlled by two articulated rods (3, 4), one of which has a fixed end (6) while the other is connected to the piston pivot. The joint between the two rods is connected via a control lever (7) to a journal (8) of a crankshaft (9) located to one side of the axis of the piston's travel. The control lever (7) transfers the piston's reciprocating motion to the crankshaft, while the alignment of the two rods (3, 4) determines the duration of the time the piston spends in its tdc position.

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