

Title (en)

Device and method for actuating at least one exhaust valve of a valve-controlled combustion engine

Title (de)

Vorrichtung und Verfahren zum Betätigen zumindest eines Auslassventils einer ventiltgesteuerten Brennkraftmaschine

Title (fr)

Dispositif et procédé d'actionnement d'au moins une soupape d'échappement d'un moteur à combustion interne commandé par soupape

Publication

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Application

**EP 14001704 A 20140515**

Priority

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Abstract (en)

[origin: CN104454064A] The present invention relates to an internal combustion engine for operating the control valve by means of at least one exhaust valve and method, the device is equipped with an actuating element driven by the camshaft. In at least one cam camshaft exhaust valve is inserted between the power flow has a first piston and cylinder unit which is preferably hydraulically loaded. By means of the unit, at least one exhaust valve may be maintained in a non-closed intermediate position by the motor brake operation by the exhaust back pressure. A second piston cylinder unit is configured as a valve clearance compensation element being preferably hydraulic. According to the invention, at least one fixing device is disposed between the cam and the exhaust valve can stream and the fixing device is for securing the operating element. The fixing device is constructed and / or such manipulation, namely, its motor running when the brake cam after cam base circle is active and accordingly the manipulator element fixed position, and the motor braking operation after inactive fixed cam region of the cam element and accordingly canceled steering position.

IPC 8 full level

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