

Title (en)

PIVOTING ACTUATOR SYSTEM FOR CONTROLLING THE STROKE OF A GAS EXCHANGE VALVE IN THE CYLINDER HEAD OF AN INTERNAL COMBUSTION ENGINE

Title (de)

SCHWENKAKTOR-VORRICHTUNG ZUR HUBSTEUERUNG EINES GASWECHSELVENTILS IM ZYLINDERKOPF EINER BRENNKRAFTMASCHINE

Title (fr)

SYSTEME D'ACTIONNEUR OSCILLANT SERVANT A COMMANDER LA LEVEE D'UNE SOUPAPE DE CHANGEMENT DES GAZ DANS LA CULASSE D'UN MOTEUR A COMBUSTION

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Application

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Abstract (en)

[origin: WO2004044392A1] The invention relates to a pivoting actuator system (1) for controlling the stroke of a gas exchange valve (2) in the cylinder head (3) of an internal combustion engine. Said system consists of a pivoting motor (4), equipped with a shaft (5), on which an actuating element (6) with a control trajectory (7) for opening the gas exchange valve (2) is located. The invention is characterised in that a second actuating element (8) with a second control trajectory (9) is provided on the first actuating element (6). The inventive configuration of the pivoting actuator system permits the amount of current required at low speeds to be reduced and the preparation of the mixture to be improved.

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