Title (en)

METHOD FOR CALIBRATION OF A POSITIONAL SENSOR ON A ROTATIONAL ACTUATOR DEVICE FOR CONTROL OF A GAS EXCHANGE VALVE IN AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR KALIBRIERUNG EINES WEGSENSORS EINER DREHAKTUATORVORRICHTUNG ZUR ANSTEUERUNG EINES GASWECHSELVENTILS EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE POUR ETALONNER UN CAPTEUR DE TRAJECTOIRE D'UN DISPOSITIF D'ACTIONNEMENT ROTATIF SERVANT A COMMANDER UNE SOUPAPE DE CHANGEMENT DES GAZ D'UN MOTEUR A COMBUSTION INTERNE

Publication

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Application

**EP 05799743 A 20051019**

Priority

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Abstract (en)

[origin: WO2006050790A1] The invention relates to a method for calibration of a positional sensor on a rotational actuator device for control of a gas exchange valve in an internal combustion engine. The rotational actuator device comprises a controlled electric motor with an operating element for operating the gas exchange valve, two energy storage means acting in opposing drive directions on the gas exchange valve, a control and regulation device, controlling the electric motor with regard to the rotor angle thereof relative to a stored set path, and a positional sensor for determining the rotor position. According to the invention, at least one status parameter for the electric motor is determined, the at least one status parameter compared with a reference parameter and, on a difference between the parameters for comparison, the stored set path and/or the recorded positional sensor signal are altered depending on the status parameter.

IPC 8 full level

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