

Title (en)
INJECTOR CALIBRATION METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE

Title (de)
INJEKTORABGLEICHVERFAHREN ZUM BETREIBEN EINER BRENNKRAFTMASCHINE

Title (fr)
PROCÉDÉ D'AJUSTAGE D'UN INJECTEUR POUR FAIRE FONCTIONNER UN MOTEUR À COMBUSTION INTERNE

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Application
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Abstract (en)
[origin: WO2007144253A1] The invention relates to a method for operating an internal combustion engine, having the steps: (a) during an overrun phase of the internal combustion engine, activating an injector of a first combustion chamber for a predetermined activation time t_{inj} with a predetermined activation voltage $U_{i=1}$, (b) measuring a torque variation, (c) determining, from the torque variation, a fuel quantity $m_{i=1}$ of the fuel injected by the injector during the activation time t_{inj} , (d) varying the activation voltage to a value U_{i+1} which differs from U_i , (e) repeating steps (a) to (d) with further incrementation of i until i has reached a preset value N or the internal combustion engine is no longer in the overrun phase, and (f) determining an injector characteristic value of the injector of the first combustion chamber from the fuel quantities m_1 , m_2 , ..., m_N and the activation voltages U_1 , U_2 , ..., U_N .

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