

Title (en)

METHOD FOR ADJUSTING AN INJECTION BEHAVIOR OF INJECTORS IN AN INTERNAL COMBUSTION ENGINE, ENGINE CONTROL UNIT AND SYSTEM FOR ADJUSTING AN INJECTION BEHAVIOR

Title (de)

VERFAHREN ZUR ANGLEICHUNG EINES EINSPRITZVERHALTENS VON INJEKTOREN IN EINEM VERBRENNUNGSMOTOR, MOTORSTEUERGERÄT UND SYSTEM ZUR ANGLEICHUNG EINES EINSPRITZVERHALTENS

Title (fr)

PROCÉDÉ D'AJUSTEMENT DES CARACTÉRISTIQUES D'INJECTION DES INJECTEURS DANS UN MOTEUR À COMBUSTION INTERNE, DISPOSITIF DE COMMANDE DE MOTEUR ET SYSTÈME D'AJUSTEMENT DES CARACTÉRISTIQUES D'INJECTION

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Application

EP 13773618 A 20131004

Priority

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Abstract (en)

[origin: WO2014056595A1] The invention relates to a method for adjusting an injection behavior of injectors in an internal combustion engine, comprising the following steps: switching off an injector; detecting a crank angle signal of the internal combustion engine; transforming the crank angle signal into the frequency range by means of a discrete Fourier transformation; detecting and storing a quantity of the harmonic of the 0.5th order of the Fourier transform of the crank angle signal, and assigning the quantity to the switched-off injector; switching on the switched-off injector; performing the previous steps sequentially for all injectors of the internal combustion engine; forming an average value of the stored quantities with respect to all injectors, and correcting the control of the injectors using a deviation from the average value of a quantity associated with an injector that is to be corrected.

IPC 8 full level

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Citation (search report)

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