

Title (en)

METHOD AND DEVICE FOR CALIBRATING A FUEL METERING SYSTEM OF A MOTOR VEHICLE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KALIBRIERUNG EINES KRAFTSTOFFZUMESSSYSTEMS EINES KRAFTFAHRZEUGS

Title (fr)

PROCÉDÉ ET DISPOSITIF D'ÉTALONNAGE D'UN SYSTÈME DE DOSAGE DE CARBURANT D'UN VÉHICULE AUTOMOBILE

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Application

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Abstract (en)

[origin: WO2012143187A1] The present invention relates to a method for calibrating a fuel metering system of an internal combustion engine, in particular of a motor vehicle, in which a first injector is actuated with a first test injection with a first actuation duration and a second injector is actuated with a second test injection with a second actuation duration, and a resulting overall excitation is detected as a superposition of a first excitation of the first injector and a second excitation of the second injector, wherein from said overall excitation there is determined an overall vibration from which the first excitation of the first injector and the second excitation of the second injector are reconstructed, and on the basis of the respective excitation as a respective quantity signal, a zero quantity calibration is performed for the respective injector independently of the other injector, whereby a respective minimum actuation duration for a respective injector is determined. A corresponding device is also provided.

IPC 8 full level

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