

Title (en)
METHOD AND APPARATUS FOR GENERATING INJECTION SIGNALS FOR AN INJECTION SYSTEM OF AN INTERNAL COMBUSTION ENGINE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG VON EINSPRITZSIGNALEN FÜR EIN EINSPRITZSYSTEM EINES VERBRENNUNGSMOTORS

Title (fr)
PROCÉDÉ ET DISPOSITIF DE PRODUCTION DE SIGNAUX D'INJECTION POUR LE SYSTÈME D'INJECTION D'UN MOTEUR À COMBUSTION INTERNE

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Abstract (en)
[origin: WO2008034754A1] The present invention relates to a method and an apparatus which more accurately reach a predefined setpoint value of a combustion characteristic variable for an internal combustion engine (1) with an injection system (30). To this end, a first injection signal which triggers an injection of fuel into a combustion chamber (53) of the internal combustion engine (1) is generated using at least one injection signal parameter. A combustion signal which represents a combustion of the injected fuel is generated by means of a detector (40). The combustion characteristic variable is determined using the combustion signal. The injection signal parameter is corrected using a deviation of the combustion characteristic variable from a setpoint value, in such a way that the deviation of a second injection signal which is generated using the corrected injection parameter is reduced for an injection which is to be performed later.

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