

Title (en)

METHOD FOR ADAPTING THE CHARACTERISTIC CURVE OF AN INJECTION VALVE

Title (de)

VERFAHREN ZUM ANPASSEN DER CHARAKTERISTIK EINES EINSPRITZVENTILS

Title (fr)

PROCEDE D'ADAPTATION DE LA COURBE CARACTERISTIQUE D'UNE SOUPAPE D'INJECTION

Publication

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Application

**EP 03789098 A 20031127**

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Abstract (en)

[origin: WO2004053316A1] The invention relates to a method for adapting an injection valve characteristic curve of a controlled fuel injection valve for an internal combustion engine, said curve reflecting the reference injection behaviour, to alterations in the actual injection behaviour caused by ageing. According to said method: during an operating mode of the internal combustion engine, which does not require an injection of fuel, the injection valve is intermittently controlled in accordance with a control period, said mode alternating with a period of no fuel injection, i.e. at least one working cycle with injection-valve control follows or precedes a working cycle without injection-valve control; at least one respective RPM value of the internal combustion engine is detected for the controlled working cycle and for at least one of the working cycles without control; a differential between the detected values is calculated and said differential is used to correct the characteristic curve.

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Citation (search report)

See references of WO 2004053316A1

Cited by

DE102011082459A1; DE102011005283B4; DE102011082459B4; DE102009009270A1; WO2012119911A1; DE102011005283A1; US9127632B2; WO2013034479A1; US9309829B2

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