Title (en)

METHOD FOR ELECTRONICALLY TRIMMING AN INJECTOR

Title (de)

VERFAHREN ZUM ELEKTRONISCHEN TRIMMEN EINER EINSPRITZVORRICHTUNG

Title (fr)

PROCEDE DE COMPENSATION ELECTRONIQUE D'UN DISPOSITIF D'INJECTION

Publication

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Application

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Priority

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Abstract (en)

[origin: DE19845441A1] The invention relates to a method for electronically trimming at least one fluid injection pump. According to said method, a control module of an electronic control device detects a control signal which is corrected in accordance with the operation of the injection pump and preferably also a control signal which is corrected in accordance with the operation of the engine. Said control signal(s) is/are used to actuate the fluid injection pump. The inventive method also uses a fluid injection pump which operates according to the energy accumulation principle. The characteristic output of said fluid injection pump is identical or at least substantially approximative to a polynomial of at least the third degree. According to the inventive method, the parameters for a standard polynomial of at least the third degree are detected, stored and used to detect the required amount of fluid injection.

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