

Title (en)

METHOD FOR COMPENSATING INJECTION QUANTITY IN EACH INDIVIDUAL CYLINDER IN INTERNAL COMBUSTION ENGINES

Title (de)

VERFAHREN ZUM ZYLINDERINDIVIDUELLEN ABGLEICH DER EINSPIRTZMENGE BEI BRENNKRAFTMASCHINEN

Title (fr)

PROCEDE POUR EQUILIBRER LA QUANTITE D'INJECTION, DE MANIERE INDIVIDUELLE, DANS CHAQUE CYLINDRE D'UN MOTEUR A COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: WO03006810A1] The invention relates to a method for compensating injection quantity in each individual cylinder in internal combustion engines and to an internal combustion engine by means of which said method can be implemented. An analysis is made of the effect that targeted modification in the injection quantity in each of the cylinders has upon air ratio lambda, wherein said modification follows an orthogonal experiment plan and the injection quantity is predetermined by the motor control. This makes it possible to establish a regression polynom for determining corrections of the injection quantity, wherein said corrections can be adjusted in each individual cylinder with the purpose of achieving optimal combustion.

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