

Title (en)

METHOD FOR OPERATING AN AUTOMATICALLY IGNITING INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUM BETRIEB EINER BRENNKRAFTMASCHINE MIT SELBSTZÜNDUNG

Title (fr)

PROCEDE POUR FAIRE FONCTIONNER UN MOTEUR A COMBUSTION INTERNE A AUTO-ALLUMAGE

Publication

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Application

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Abstract (en)

[origin: WO2004090311A1] The invention relates to a method for operating an automatically igniting internal combustion engine wherein an average gas temperature in the cylinder is determined during combustion in the combustion chamber in such a manner that a gradient of the average gas temperature is calculated. As a result, a nitrogen oxide raw emission of the internal combustion engine is determined from either a value of the gradient of the average gas temperature and/or from a maximum value of the average gas temperature in the cylinder. Subsequently, the motor parameters are adjusted in such a manner that an average gas temperature gradient, wherein less NO_x-emissions are formed, is produced during combustion.

IPC 8 full level

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