

Title (en)

METHOD FOR THE VOLTAGE-CONTROLLED PERFORMANCE REGULATION OF THE HEATING OF AN EXHAUST-GAS PROBE

Title (de)

VERFAHREN ZUR SPANNUNGSGESTEUERTEN LEISTUNGSEINSTELLUNG DER HEIZUNG EINER ABGASSONDE

Title (fr)

PROCEDE D'AJUSTEMENT, A REGULATION PAR TENSION, DE LA PUISSANCE DU CHAUFFAGE D'UNE SONDE DE GAZ D'ECHAPPEMENT

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Application

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Abstract (en)

[origin: WO2006087261A1] The invention relates to a method for the voltage-controlled performance regulation of the heating of an exhaust-gas probe in the exhaust system of an internal combustion engine. The aim of the invention is to provide a method in which the operating temperature of the probe is achieved in the shortest possible time without damage to the probe. To achieve this, the heating voltage during the heating phase of the probe is rapidly brought up to a high temperature in a start phase in relation to a subsequent phase, or a dramatic leap in temperature is achieved, preferably up to the full operating voltage and the heating voltage is then continuously or quasi-continuously reduced.

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