

Title (en)

METHOD FOR THERMAL PROTECTION OF THE EXHAUST LINE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUM THERMISCHEN SCHUTZ DER ABGASLEITUNG EINES VERBRENNUNGSMOTORS

Title (fr)

PROCÉDÉ DE PROTECTION THERMIQUE DES COMPOSANTS DE LA LIGNE D'ÉCHAPPEMENT D'UN MOTEUR THERMIQUE

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Application

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Abstract (en)

[origin: WO2013110873A1] The invention relates to a method for the thermal protection of the components of the exhaust line of a heat engine according to which the temperatures of the exhaust gases and the walls of the exhaust line are predetermined and according to which, when the component of the exhaust line has reached the maximum temperature limit thereof, this is detected. According to the invention, the method consists of: - determining (54) a setpoint temperature (T_{3setpoint}) of the exhaust gases at the outlet of said engine, and - developing (56) a setpoint richness (φ_{setpoint}) used to ensure said setpoint temperature of the exhaust gases.

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