

Title (en)

ESTIMATION OF EXHAUST GAS TEMPERATURE AT THE OUTPUT OF THE EGR CIRCUIT OF A COMBUSTION ENGINE

Title (de)

SCHÄTZUNG VON ABGASTEMPERATUR AM AUSGANG DES AGR-KREISES EINES VERBRENNUNGSMOTORS

Title (fr)

ESTIMATION D'UNE TEMPERATURE DE GAZ D'ECHAPPEMENT EN SORTIE D'UN CIRCUIT EGR D'UN MOTEUR A COMBUSTION

Publication

**EP 2100019 A2 20090916 (FR)**

Application

**EP 07866527 A 20071031**

Priority

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Abstract (en)

[origin: WO2008059153A2] The invention relates to a method for estimating the temperature T<SUB>3</SUB> of the exhaust gases of a combustion engine at the output of a EGR circuit fitted on the engine, based on a model that takes into account the thermal energy losses of the exhaust gases at the EGR cooler or EGR circuit, characterised in that the model also takes into account the thermal exchange between the exhaust gases and the walls of a duct conveying said exhaust gases to the EGR cooler. The invention further relates to a vehicle capable of implementing such estimation.

IPC 8 full level

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**FR 2908825 A1 20080523**; **FR 2908825 B1 20090130**; EP 2100019 A2 20090916; JP 2010510426 A 20100402; JP 5079815 B2 20121121; US 2010043525 A1 20100225; US 8037737 B2 20111018; WO 2008059153 A2 20080522; WO 2008059153 A3 20080710

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