

Title (en)

METHOD FOR MONITORING THE EXHAUST GAS RECIRCULATION OF A COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR ÜBERWACHUNG DER ABGASRÜCKFÜHRUNG EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE DE CONTROLE DU RECYCLAGE DES GAZ D'ECHAPPEMENT D'UN MOTEUR A COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: WO2004113710A1] The invention relates to a method for monitoring the exhaust gas recirculation (AGR) of a combustion engine by detecting pressure, during which exhaust gas is supplied from an outlet side of a combustion chamber arrangement via an exhaust gas recirculation channel (ARK) to an inlet side of the combustion chamber arrangement. The aim of the invention is to achieve a reliable monitoring of exhaust gas recirculation that involves a relatively low level of complexity. To this end: a pressure course is detected in at least one combustion chamber (ZYL1 ... ZYLn), and from this, a thermodynamic characteristic quantity serving as an actual value is determined; a set value of the characteristic quantity is prepared that takes the actual operating point of the combustion engine into account, and a difference between the set value and actual value is determined, and; on the basis of this difference, an item of information is obtained that concerns the actual state of the exhaust gas recirculation compared to the normal state thereof.

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