Title (en)

METHOD FOR DIAGNOSING THE CONDITION OF AN ENGINE FUEL SUPPLY SYSTEM

Title (de)

VERFAHREN UND SYSTEM ZUR DIAGNOSE DES ZUSTANDES EINES KRAFTSTOFFVERSORGUNGSSYSTEMS

Title (fr)

PROCEDE POUR DIAGNOSTIQUER L'ETAT D'UN SYSTEME D'ALIMENTATION EN CARBURANT D'UN MOTEUR

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2009068777A2] The invention relates to a method for diagnosing the condition of a system for supplying fuel to a fuel injected controlled-ignition internal combustion engine (1), of the type comprising an electric control device (6) that makes use of an oxygen probe (8) for closed-loop regulation of the value of the air/fuel ratio admitted to the combustion chambers of said engine (1), and according to which the signal delivered by said oxygen probe (8) is analyzed, characterized in that it consists in a) deducing from said signal, the change in the effective injection time making it possible to regulate the richness of the exhaust gases leaving the engine; b) calculating CRITERION = ?(CRITERIONl + CRITERION2 + CRITERION3); c) comparing CRITERION against predetermined minimum and maximum threshold values THRESHOLD_MIN and THRESHOLD_MAX; d) diagnosing a defective condition when CRITERION is outside of the window contained between THRESHOLD_MIN and THRESHOLD_MAX.

IPC 8 full level

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Citation (search report)

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