Title (en)

Air/fuel ratio control method for a lean burn combustion engine

Title (de)

Steuerverfahren für das Luft-/Kraftstoffverhältnis einer Brennkraftmaschine mit Magergemischverbrennung

Title (fr)

Méthode de commande du rapport air/carburant d'un moteur à combustion interne à combustion pauvre

Publication

EP 0757167 A2 19970205 (EN)

Application

EP 96112294 A 19960730

Priority

KR 19950023210 A 19950731

Abstract (en)

Disclosed herein is a n air/fuel ratio control method controlling air/fuel ratio for vehicles which have thin combustion engines. The air/fuel ratio control method executes the feedback control the fuel supply of the engines by an ECU(Electric Control Unit) based on the information from the sensors. During the theoretical air/fuel ratio combustion, the fuel injecting value is set by the amount of multiplying the basic injecting amount by the adaption value set up previously and by detecting the oxygen amount in the waste gas with the lambda sensor and the feedback control process is repeated but the aforesaid feedback value will be counted and stored in the ECU's RAM; as the result of this procedure, the next injecting value will be decided; and during the thin fuel/air ratio combustion, after the adaption value stored in the aforesaid RAM is multiplied by the basic injecting amount at the thin fuel/air ratio, the result value decides the fuel injecting amount, and this procedure lets the ratio being closed to the desired fuel/ air ratio without the feedback control which is governed by the lambda sensor. <IMAGE>

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