

Title (en)

Electronic system for calculating fuel mixture ratio for an internal combustion engine.

Title (de)

Elektronisches System zur Berechnung des Kraftstoff-Luftverhältnisses eines Verbrennungsmotors.

Title (fr)

Système électronique pour calculer le rapport du mélange au carburant d'un moteur à combustion interne.

Publication

EP 0657637 A3 19951011 (EN)

Application

EP 94117678 A 19941109

Priority

IT TO930857 A 19931112

Abstract (en)

[origin: EP0657637A2] System for calculating mixture strength in which an electronic panel (7) is capable of comparing the voltage generated by exhaust gas sensors, in particular from a lambda probe (19) located in the exhaust manifold (21) of a petrol engine (4), with a threshold value (Str) such as to distinguish between a first and a second state (rich state/lean state), corresponding to an air/petrol mixture supplied to the engine which contains more or less petrol, respectively, than is required by the stoichiometric ratio. The system enables this threshold to be updated periodically. <IMAGE>

IPC 1-7

F02D 41/14

IPC 8 full level

F02D 41/14 (2006.01); **F02B 1/04** (2006.01)

CPC (source: EP)

F02D 41/1474 (2013.01); **F02D 41/1479** (2013.01); **F02D 41/148** (2013.01); **F02D 41/1495** (2013.01); **F02D 41/2454** (2013.01); **F02D 41/2474** (2013.01); **F02B 1/04** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE ES FR GB SE

DOCDB simple family (publication)

EP 0657637 A2 19950614; EP 0657637 A3 19951011; EP 0657637 B1 19981007; BR 9404572 A 19951024; DE 69413784 D1 19981112; DE 69413784 T2 19990225; DE 69427199 D1 20010613; DE 69427199 T2 20011018; DE 69430017 D1 20020404; DE 69430017 T2 20020814; EP 0855498 A2 19980729; EP 0855498 A3 19980826; EP 0855498 B1 20020227; EP 0856653 A2 19980805; EP 0856653 A3 19980826; EP 0856653 B1 20010509; ES 2125389 T3 19990301; ES 2158630 T3 20010901; ES 2172836 T3 20021001; IT 1261114 B 19960509; IT TO930857 A0 19931112; IT TO930857 A1 19950512

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