Title (en)

ADAPTIVE ELECTRONIC INJECTION FUEL DELIVERY CONTROL SYSTEM

Publication

EP 0524575 A3 19941123 (EN)

Application

EP 92112348 A 19920720

Priority

IT TO910591 A 19910726

Abstract (en)

[origin: EP0524575A2] An adaptive electronic injection fuel delivery control system wherein a processing unit (10) receives and processes input signals proportional to the air intake pressure (P) and temperature (T) in the manifold of the engine, and supplies an output value (Qb) indicating the amount of fuel to be injected for achieving a substantially correct stoichiometric air/fuel ratio. The above value (Qb) is subsequently corrected by two coefficients (K02 and Kad), the first calculated in closed-loop manner by integrating the difference between the signal generated by an exhaust sensor (20) and a reference voltage value (Vst), and the second by interpolating a set of values comprising the inverse of the air intake value (1/(Q)), and previously measured values of the K02 parameter. <IMAGE>

IPC 1-7

F02D 41/14; F02D 41/26

IPC 8 full level

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

CPC (source: EP)

F02D 41/1477 (2013.01); **F02D 41/2416** (2013.01); **F02D 41/2454** (2013.01); F02B 1/04 (2013.01)

Citation (search report)

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- [A] GB 2227338 A 19900725 - FUJI HEAVY IND LTD [JP]
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- [A] EP 0175596 A1 19860326 - RENAULT [FR]

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DE19819445A1

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

EP 0524575 A2 19930127; **EP 0524575 A3 19941123**; **EP 0524575 B1 19970416**; DE 69219025 D1 19970522; DE 69219025 T2 19971120; ES 2103329 T3 19970916; IT 1250986 B 19950427; IT TO910591 A0 19910726; IT TO910591 A1 19930126

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