

Title (en)

Adaptive electronic injection fuel delivery control system

Title (de)

Adaptives elektronisches System zur Kontrolle der Benzineinspritzung

Title (fr)

Système d'alimentation en carburant par injection électronique à commande adaptative

Publication

EP 0524575 B1 19970416 (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)

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