

Title (en)

Electronic system for computing injection time

Title (de)

Elektronisches System zur Berechnung der Einspritzdauer

Title (fr)

Système électronique pour calculer la durée d'injection

Publication

**EP 0625635 B1 19970806 (EN)**

Application

**EP 94107599 A 19940516**

Priority

IT BO930213 A 19930517

Abstract (en)

[origin: EP0625635A1] An electronic system comprising first computing means (42, 140) supplied with a number of information signals ( $X_1, \dots, X_N, Q_t$ ) measured in the engine and generating an injection time ( $T$ ) computed on the basis of a characteristic ( $T = F(X_1, \dots, X_N, Q_t)$ ) depending on the aforementioned signals; means (50, 56, 150, 180) for processing an expansion of the characteristic, which expansion is computed, as a function of a previously computed injection time and of a first value ( $Q_t$ ) of the significant information signal used for computing the injection time, about the first value ( $Q_t$ ) of the significant signal; and second computing means (56, 180) supplied with the expansion of the characteristic and with a second value ( $Q_{t+1}$ ) of the significant signal, and generating an approximate injection time ( $T_n$ ) computed as a function of the expansion of the characteristic and of the second value of the significant signal. <IMAGE>

IPC 1-7

**F02D 41/26**

IPC 8 full level

**F02D 41/26** (2006.01); **F02B 1/04** (2006.01)

CPC (source: EP)

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