

Title (en)  
ELECTRONIC-INJECTION METHOD AND SYSTEM USING LAMBDA SENSOR REGULATION FOR AN INTERNAL-COMBUSTION ENGINE

Publication  
**EP 0236207 B1 19900404 (FR)**

Application  
**EP 87400342 A 19870217**

Priority  
FR 8602557 A 19860225

Abstract (en)  
[origin: US4766871A] According to this process, the computer determines opening time (Ti) of the injector from a nominal time (Tin) as a function of the parameters of the engine operation and of a proportional and integral correction term ( alpha cl) as a function of the state of the signal of probe lambda . More particularly, a richness predictive estimate (Re) of the exhaust gases is made from the engine operating parameters and from pure delay (m), determined experimentally, between injector (2) and probe (12), at least a simulated probe signal (Ss lambda ) is produced from said richness predictive estimate, said correction term ( alpha cl) is produced from simulated probe signal (Ss lambda ) and said correction term ( alpha cl) is modified periodically in response to the detection of a difference between the state of measured probe signal (S lambda ) and the state of a delayed simulated probe signal (S"s lambda ). Application to vehicles with internal combustion engines.

IPC 1-7  
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IPC 8 full level  
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CPC (source: EP US)  
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Cited by  
EP0531544A4; EP0688945A3; FR2749350A1; FR2749613A1; EP0546579A1; US5335643A; WO9324747A1; WO9635048A1; WO8909330A1; WO9747868A1

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