

Title (en)  
MULTI-FUNCTION FEEDBACK CONTROL SYSTEM FOR INTERNAL COMBUSTION ENGINES

Title (de)  
MULTIFUNKTIONALE REGELEINRICHTUNG FÜR BRENNKRAFTMASCHINEN

Title (fr)  
SYSTEME MULTIFONCTIONS DE COMMANDE A RETOUR POUR MOTEURS A COMBUSTION INTERNE

Publication  
**EP 0702750 A1 19960327 (EN)**

Application  
**EP 94903988 A 19931214**

Priority  
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• IT BO920446 A 19921218

Abstract (en)  
[origin: WO9415086A1] A multi-function feedback control system for internal combustion engines comprises: a feeding device (1) fitted with feeding elements (35) which control the flow of the fuel; an engine; a catalytic muffler (7); a central control unit (9) which elaborates electrical signals in accordance with parameters which act on the carburation to supply control signals which act continuously on devices delivering a controlled flow of fuel; at least one oxygen sensor (8) placed in the exhaust system of the engine and electrically connected to the unit (9), a flowmeter for measuring the air-flow amount, said flowmeter being placed in the feeding device (1), which sends to the unit (9) electrical signals in accordance with the measured air-flow amount; the unit (9) elaborating the signal coming from the sensor (8) so that a reciprocal correspondence between the values of the signal of the sensor (8) and the corresponding values of the air-fuel ratio of the mixture is established.

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