

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

- IT 9300129 W 19931214
- 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.

IPC 1-7

F02D 41/14; F01N 9/00

IPC 8 full level

F02D 41/14 (2006.01)

CPC (source: EP)

F02D 41/1443 (2013.01); **F02D 41/1446** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9415086 A1 19940707; AU 5822794 A 19940719; CN 1096564 A 19941221; EP 0702750 A1 19960327; IT 1260234 B 19960402; IT BO920446 A0 19921218; IT BO920446 A1 19940618

DOCDB simple family (application)

IT 9300129 W 19931214; AU 5822794 A 19931214; CN 93120828 A 19931215; EP 94903988 A 19931214; IT BO920446 A 19921218