

Title (en)
FUEL CONTROL SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

Publication
EP 0017328 B1 19841219 (EN)

Application
EP 80300535 A 19800225

Priority
GB 7908984 A 19790314

Abstract (en)
[origin: EP0017328A1] An i.c. engine fuel system includes a main fuel control (19) which controls fuel flow to the engine in accordance with one or more engine parameters. A roughness sensor circuit (11) produces an output related to the roughness of running of the engine and the error between this roughness output and a reference signal is integrated with respect to time by an electronic integrator 15. The output of this integrator (15) is used to modify the fuel flow to reduce the error to zero, by, for example, varying the frequency of a clock (18) which influences the operation of the main fuel control (19).

IPC 1-7
F02D 5/00

IPC 8 full level
F02D 41/34 (2006.01); **F02D 41/10** (2006.01); **F02D 41/14** (2006.01); **F02D 41/26** (2006.01)

CPC (source: EP)
F02D 41/107 (2013.01); **F02D 41/266** (2013.01)

Citation (examination)

- DE 2413227 A1 19741010 - BENDIX CORP
- GB 1509075 A 19780426 - BOSCH GMBH ROBERT
- US 4098242 A 19780704 - ANDERSON GEORGE H
- FR 2223559 A1 19741025 - BENDIX CORP [US]
- FR 2355324 A1 19780113 - BARBER COLMAN CO [US]
- US 3789816 A 19740205 - LEUNG C, et al
- E.Samal, Grundrisse der praktischen Regelungstechnik, Oldenbourg, 1960, S. 152-155
- W. Oppelt, Kleines Handbuch Technischer Regelungsvorgänge, 5. Auflage, Verlag Chemie, 1972 S. 589-591
- W. Leonhard, Einführung in die Regelungstechnik, Vieweg, 1972 S. 145-146
- Integrated Circuits Applications Handbook, H. Seidman S. 336-339

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0017328 A1 19801015; EP 0017328 B1 19841219; DE 3069814 D1 19850131; JP S55134723 A 19801020

DOCDB simple family (application)
EP 80300535 A 19800225; DE 3069814 T 19800225; JP 3214080 A 19800313