

Title (en)

APPARATUS FOR REGULATING THE IDLE SPEED OF AN INTERNAL-COMBUSTION ENGINE

Publication

EP 0146779 A3 19870204 (DE)

Application

EP 84113966 A 19841119

Priority

DE 3346368 A 19831222

Abstract (en)

[origin: EP0146779A2] An apparatus having a device (17, 18) which is controlled by a microcomputer (10) and which acts on the internal combustion engine so as to change the speed. Together with the internal combustion engine and the device (17, 18), the microcomputer (10) forms a control loop and calculates, as a function of actual value speed signals in a first program section, a speed value by summing the applied actual value speed signals. In a second program section, it uses the speed value determined in a specified fixed time to calculate new control signals which are then delivered after completion of the second program section. In microcomputers without interrupt or relatively slow processing time, this ensures a rapid completion of the signal processing and signal emission with the best possible utilisation of the available computing speed.
<IMAGE>

IPC 1-7

F02D 41/16; **F02D 41/26**

IPC 8 full level

F02D 31/00 (2006.01); **F02D 41/26** (2006.01)

CPC (source: EP)

F02D 31/005 (2013.01); **F02D 41/263** (2013.01)

Citation (search report)

- [XD] DE 3124496 A1 19830105 - BOSCH GMBH ROBERT [DE]
- [XP] DE 3223168 A1 19831222 - BOSCH GMBH ROBERT [DE]
- [X] GB 2027944 A 19800227 - HITACHI LTD
- [A] US 4392468 A 19830712 - KOBASHI MAMORU [JP], et al
- [A] ELECTRONIC TECHNOLOGIES AND SYSTEMS FOR COMMERCIAL VEHICLES OF THE 80S, SP-505, November 1981, Seiten 1-7, SAE, Warrendale, PA, US; L. SMITH: "Microcomputer technology for truck and vehicle applications"

Cited by

EP0360528A3; US5095437A

Designated contracting state (EPC)

DE FR IT SE

DOCDB simple family (publication)

EP 0146779 A2 19850703; **EP 0146779 A3 19870204**; DE 3346368 A1 19850822

DOCDB simple family (application)

EP 84113966 A 19841119; DE 3346368 A 19831222