

Title (en)  
DEVICE FOR CONTROLLING AND REGULATING THE OPERATING RANGE OF A CONTROL ROD IN AN INJECTION COMBUSTION ENGINE

Publication  
**EP 0188404 B1 19880817 (DE)**

Application  
**EP 86890007 A 19860113**

Priority  
DE 3501588 A 19850118

Abstract (en)  
[origin: EP0188404A2] 1. Arrangement for controlling and regulating the adjustment stroke of the control rod of the fuel supply of a fuel-injection internal-combustion engine as a function of operating values, such as rotational speed, boost pressure, accelerator position, etc., which are determined by measurement transducers, wherein the signal lines (li) of the transducers are connected to the inputs of a microcomputer (7), and an actuator (3), especially a stepping motor, acting on the control rod, is connected to the output of the microcomputer via an actuator drive (8), also with a power supply unit (6) for the microcomputer (7), the actuator drive (8) and so on, characterized by the fact that the microcomputer (7) is arranged to emit a reset signal (sb) to the actuator drive (8) when a signal (sa) indicating the off position of the main engine-switch (13) is present, that a response synchro (9) is allocated to the actuator (3) and is connected via a signal line (r) to one input of the microcomputer (7), which is set up to emit an output signal (sc) indicating the zero position of the actuator (2), and that the battery voltage (Ub) is continuously applied to the power supply unit (6), whose output voltage or output voltages can be switched on and off as a function of the voltages at two control inputs (x, y), wherein the output voltage or output voltages can be switched on at the first control input (x) when a signal (sd) indicating the on position of the main engine-switch (13) is present, and can be switched off at the second control-input (y) when a signal (sc) indicating the zero position of the actuator (3) is present.

IPC 1-7  
**F02D 35/00**

IPC 8 full level  
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CPC (source: EP)  
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Cited by  
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