

Title (en)

APPARATUS TO DETERMINE THE FUEL INJECTION QUANTITY FOR AN INTERNAL-COMBUSTION ENGINE

Publication

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Application

EP 88117129 A 19881014

Priority

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Abstract (en)

[origin: JPH01237334A] PURPOSE: To avoid measurement error of air mass flow rate in an arrangement for calculating fuel injection quantity from the output of an air mass meter and a rotation speed meter by shutting off power supply to the air mass meter when rpm of an engine is below a predetermined threshold value. CONSTITUTION: A bridge circuit 1 formed by a sensor 11 heated by electricity, an air temperature sensor 12 and two trimming resistors 13 is arranged in a suction tube. The bridge circuit 1, a measuring circuit 2 and a power supply 3 constitute an air mass meter. An output signal with respect to air mass flow rate sucked into an internal combustion engine is generated by the air mass meter. The fuel injection quantity is calculated from the said output signal and the output signal of a rotation speed meter 4 by a control device 6. In such an arrangement for calculating fuel injection quantity, a check part 61 for shutting off the power supply 3 of the air mass meter is arranged in the control device if the rpm of the engine does not reach a threshold value with respect to the engine rpm lower than a start rpm, in the control device 6.

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