

Title (en)

AIR-FUEL RATIO CONTROL SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

Publication

EP 0046599 A3 19820804 (EN)

Application

EP 81106638 A 19810826

Priority

JP 11691880 A 19800827

Abstract (en)

[origin: EP0046599A2] An air-fuel ratio control system having solenoid-actuated valves (71, 73) disposed in the fuel passage and the air bleed communicated with the fuel passage of a carburetor (5), an electric memory memorizing the data concerning the opening rates of the solenoid-actuated valves for attaining a constant air-fuel ratio through driving of these valves, in relation to the engine speed (N) and the intake vacuum (VC) of the engine, and a controller adapted to control the solenoid-actuated valves at an opening rate which is given as the product of the data read out from the electric memory and a fuel increment coefficient which differs according to the state of engine operation such as acceleration, deceleration and so forth of the engine and which varies depending on the engine temperature (TW). A correction of the air-fuel ratio is performed in accordance with the engine temperature (TW). When the engine is intentionally accelerated or decelerated during warming up of the engine, the rate of fuel supply from the carburetor (5) is changed in accordance with such a change of engine operation to always optimize the air-fuel ratio of the mixture.

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CPC (source: EP)

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Citation (search report)

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