

The invention relates to combustion engines, in particular to automated control of combustion engines that operate on diesel fuel only (by diesel cycle) and on diesel and gas fuels simultaneously (by gas-diesel cycle). New in the system for control of frequency of rotation of transport gas diesel is use of electronic control block (ECB) with at least one micro-controller that produces electric signals for control of gas nozzles from which gas fuel falls to each discharge pipe and then to each cylinder of gas diesel. ECB produces electric control signals for electro-mechanical executive device that corrects "ignition doze" of diesel fuel depending on rate mode of engine and produces electric signals for control of shutoff gas valves and indicators of mode of operation "diesel" and "gas diesel" ECB is arranged with possibility of re-programming points of "ignition doze" of diesel fuel, this makes it possible to decrease consumption of diesel fuel at operation by gas diesel cycle and to provide uniform cyclic supply of gas fuel to each of cylinders of gas diesel (due to accurate injection with gas nozzles of needed cyclic supply of gas fuel for each rate and load mode of operation), this leads to decrease of losses of gas fuel and improvement of ecologic characteristics of gas diesel.