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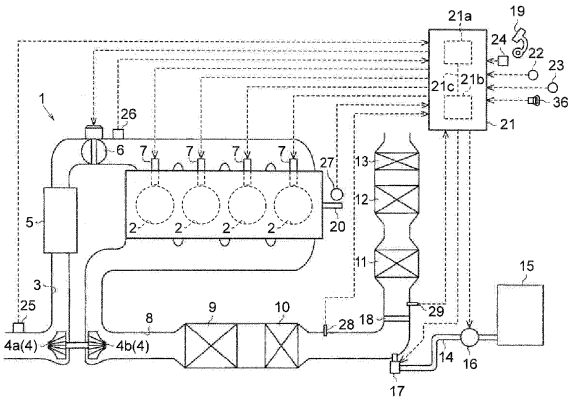
(54) **ADDITIVE SUPPLY DEVICE**

(57) An additive supply device includes an adding valve (17) and an electronic control unit (21). The adding valve (17) is configured to inject an additive into an exhaust passage (8) of an internal combustion engine (1). The electronic control unit (21) is configured to control the injection of the additive from the adding valve (17). The electronic control unit (21) is configured to execute a cooling injection control for injecting the additive from the adding valve (17) after the internal combustion engine (1) is commanded to stop such that the quantity of the injection of the additive (Q1) during the cooling injection control is larger when a temperature of exhaust gas in the exhaust passage (8) in an event of the stop command for the internal combustion engine (1) is higher than a predetermined temperature than when the temperature is lower than the predetermined temperature.

FIG. 1



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