

[54] CONTROL APPARATUS AND METHOD FOR ENGINE/ELECTRIC HYBRID VEHICLE

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Related U.S. Application Data

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[51] Int. Cl.³ F02B 73/00

[52] U.S. Cl. 60/716; 60/718; 180/65 B

[58] Field of Search 60/698, 706, 709, 711, 60/716, 718; 180/65.2, 65.1; 290/17, 45

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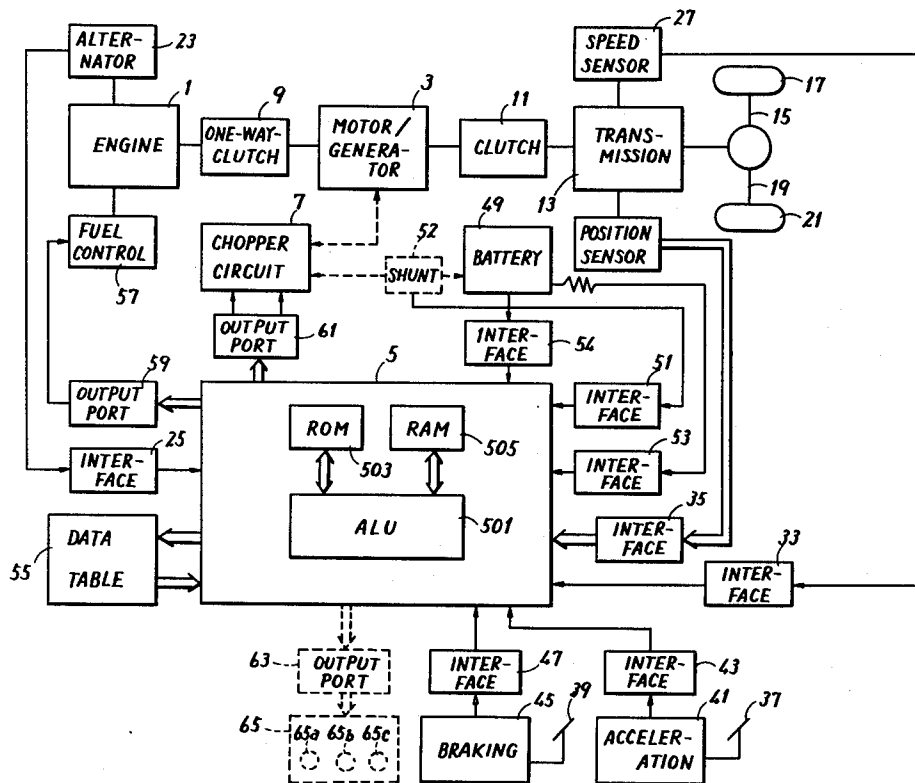
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[57] ABSTRACT

A hybrid vehicle comprises an internal combustion engine and a motor/generator, which are controlled by a microcomputer. The internal combustion engine is rendered capable of a running operation in a region of a better fuel consumption characteristic. Outside the above described region, the motor is cooperatively driven with the internal combustion engine to provide a driving torque or only the motor is energized by a battery to provide a driving torque. On the other hand, when the hybrid vehicle is driven with a torque smaller than a predetermined lower limit value of the torque of the internal combustion engine, the redundant torque is used to drive the generator, so that a regenerative power is absorbed by the battery.

1 Claim, 22 Drawing Figures



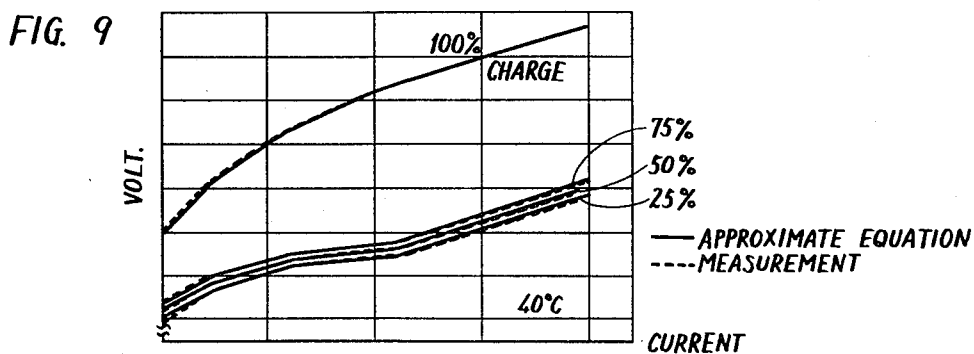
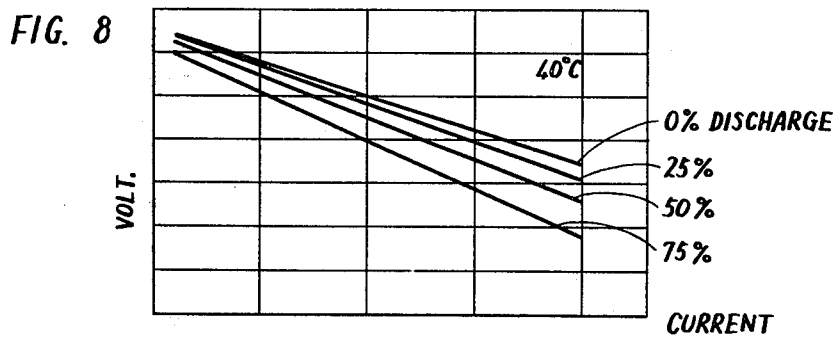
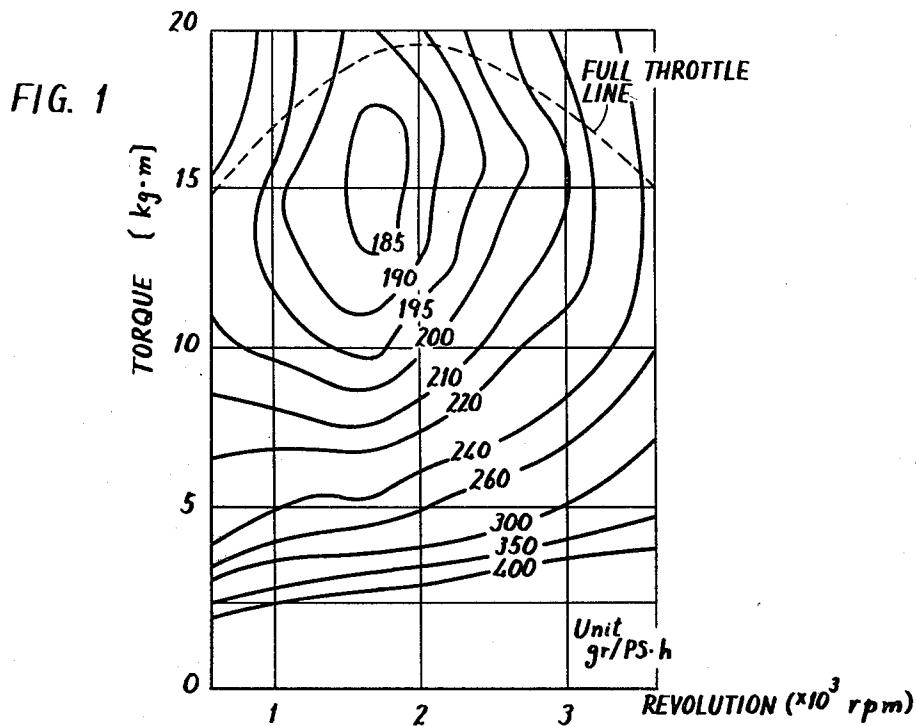
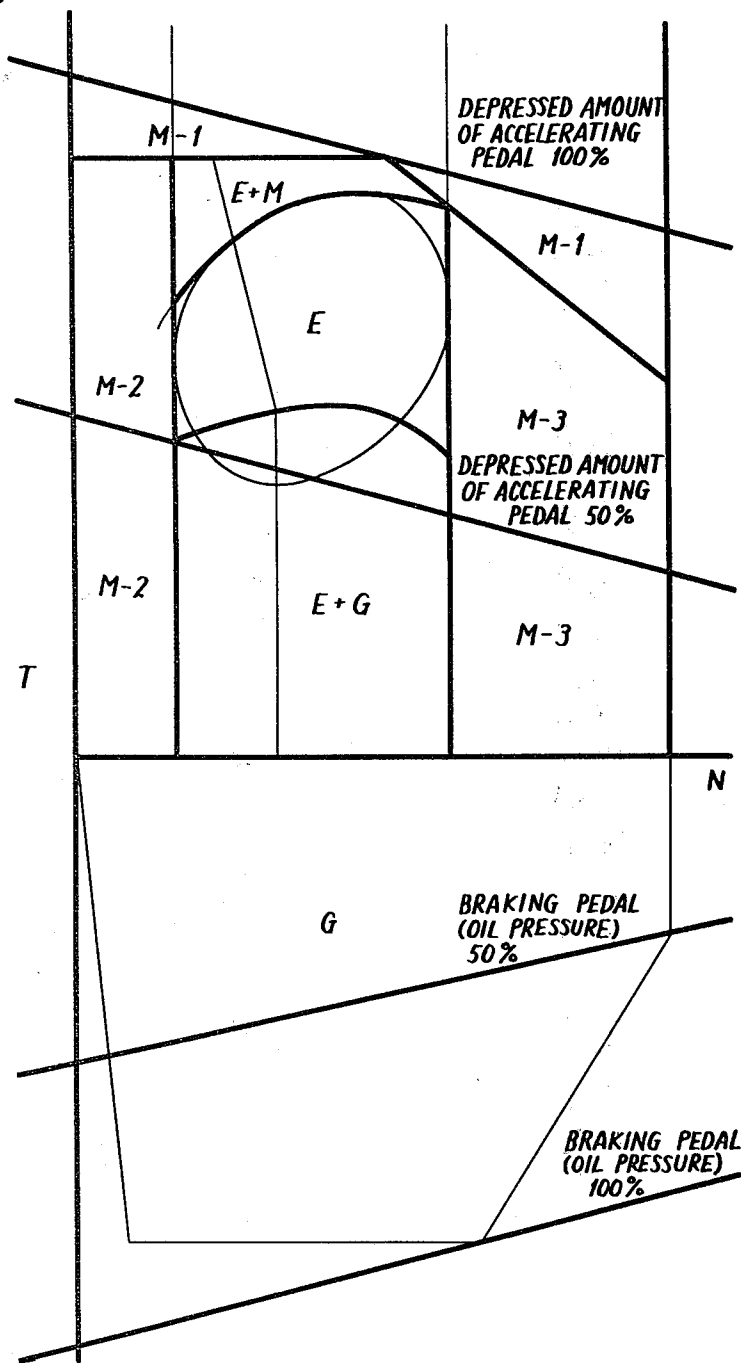
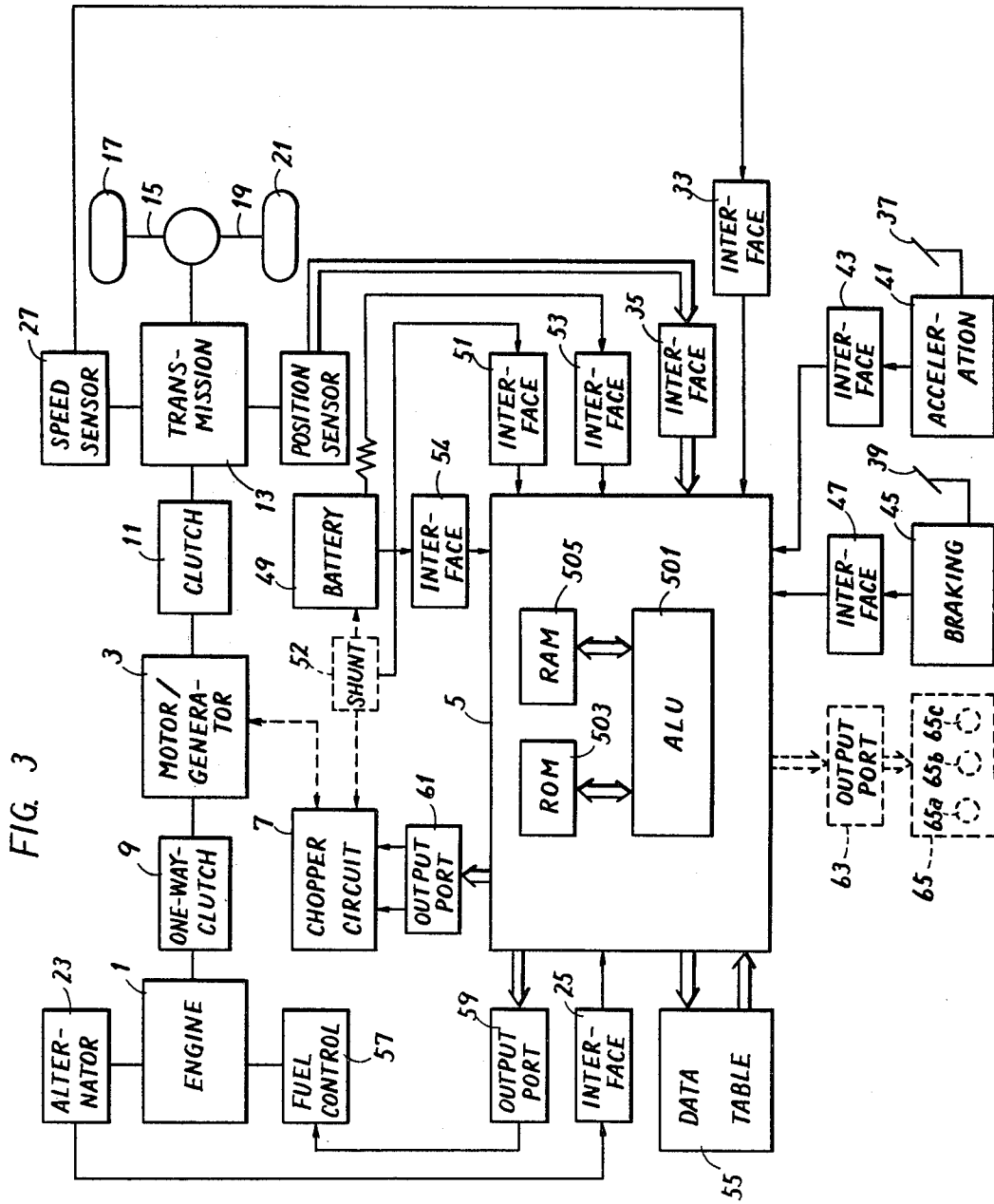


FIG. 2





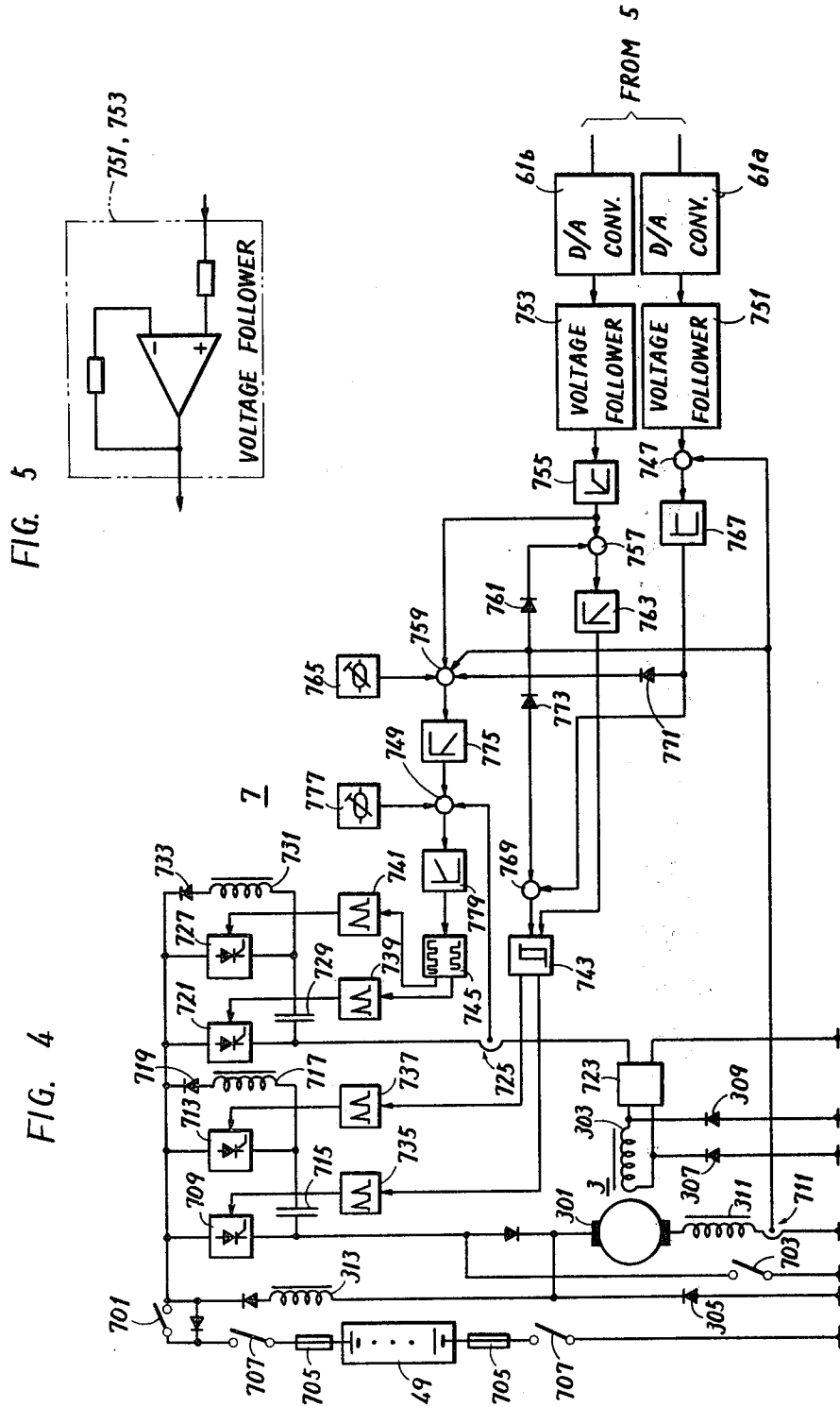


FIG. 4

FIG. 5

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