

[54] ELECTRONIC IGNITION CONTROL APPARATUS

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ABSTRACT

[57] An electronic ignition control device for determining and maintaining a vehicle at the optimum spark advance for different ranges of crankshaft rotation speeds and ratios of air intake to crankshaft rotation speed. Signals indicating a range in which the instantaneous rotation speed falls and a range in which air intake/speed ratio falls define a ROM address at which is stored an optimum spark advance angle for that combination of ranges. The signal indicating the stored angle is applied to a discriminator which also receives inputs from a crank switch monitor, a throttle switch monitor and a coolant temperature sensor. When cranking or idling is detected, the discriminator substitutes a cranking advance or idling advance angle for the stored optimum advance angle signal.

1 Claim, 4 Sheets Drawing,
24 Pages Specification

The file of this unexamined application may be inspected and copies thereof may be purchased (849 O.G. 1221, Apr. 9, 1968).

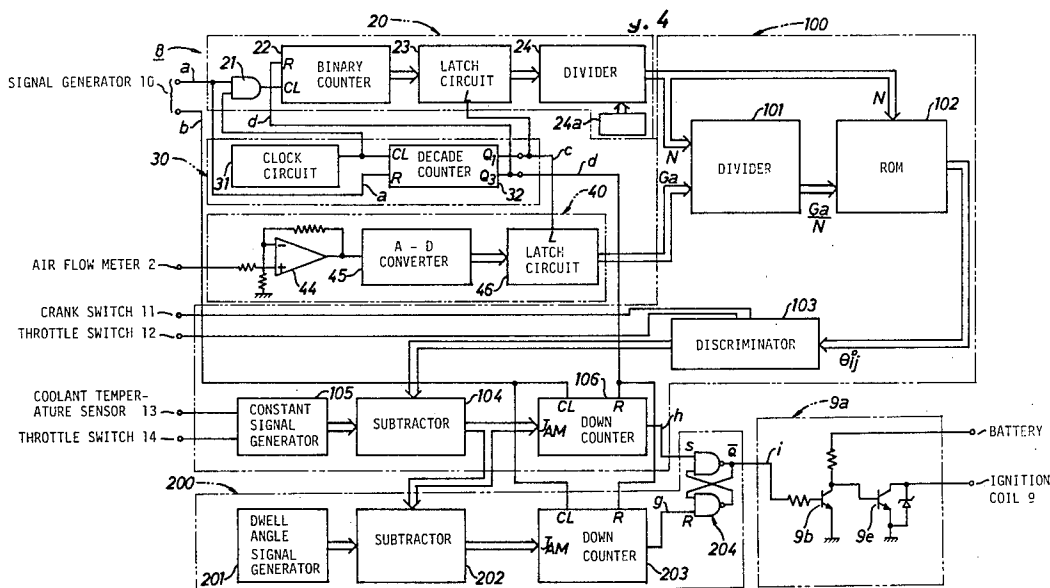


Fig. 1

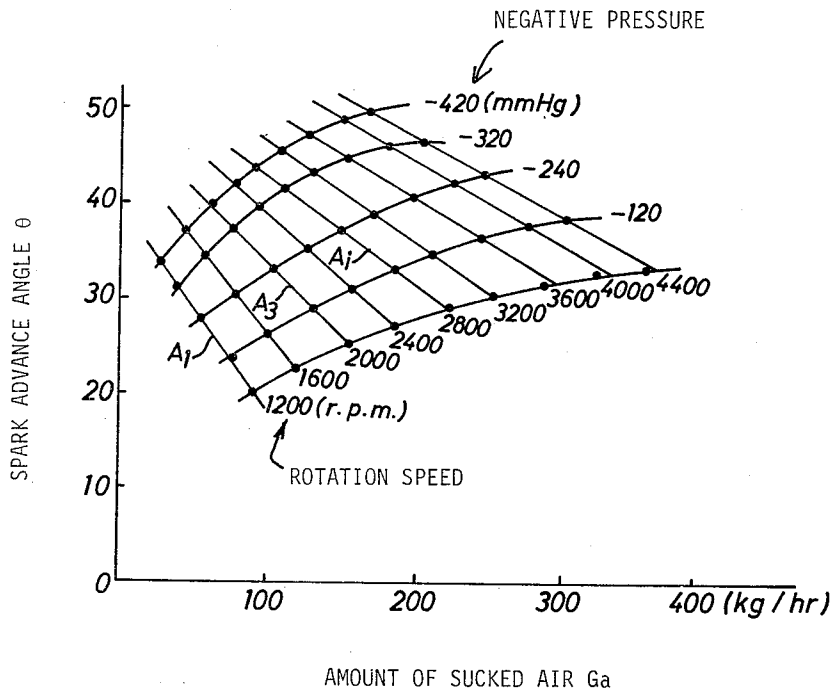


Fig. 2

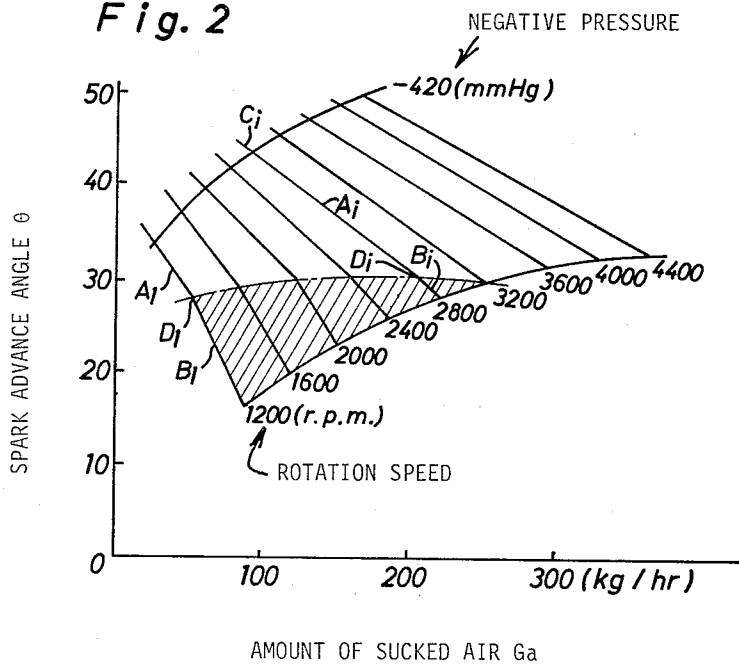
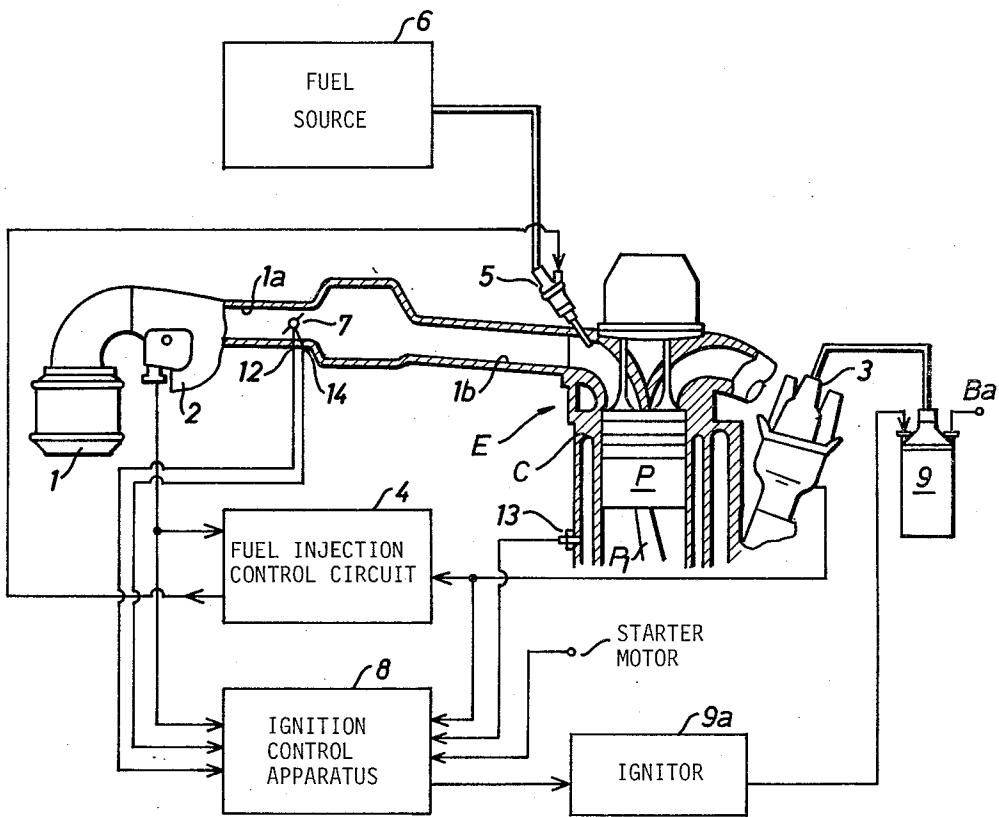
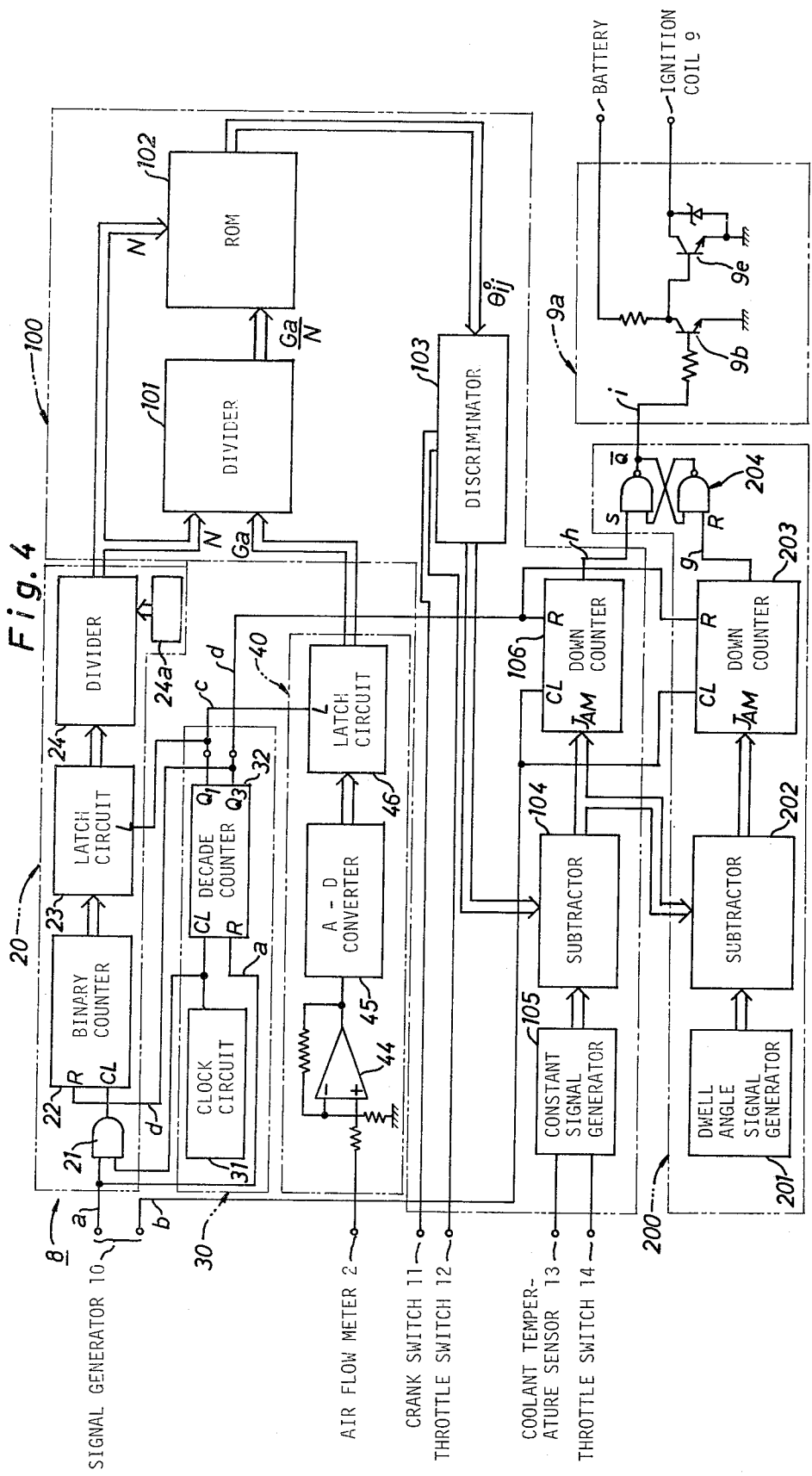


Fig. 3





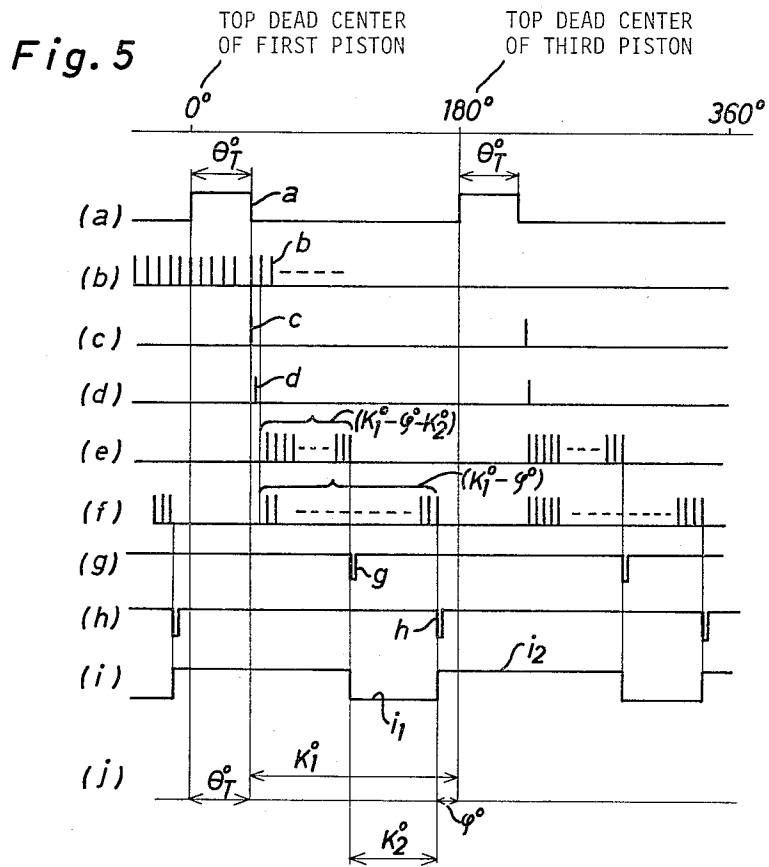


Fig. 6

