

- [54] REMOTE CONTROL DIRECTION SELECTING SYSTEM
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- [73] Assignee: Smith Engineering, Culver City, Calif.
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- [51] Int. Cl.⁵ H04Q 7/02; G05D 3/10
- [52] U.S. Cl. 318/581; 318/16; 318/587
- [58] Field of Search 318/16, 580, 583, 581, 318/584, 587, 588

Primary Examiner—Bentsu Ro
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[57] ABSTRACT

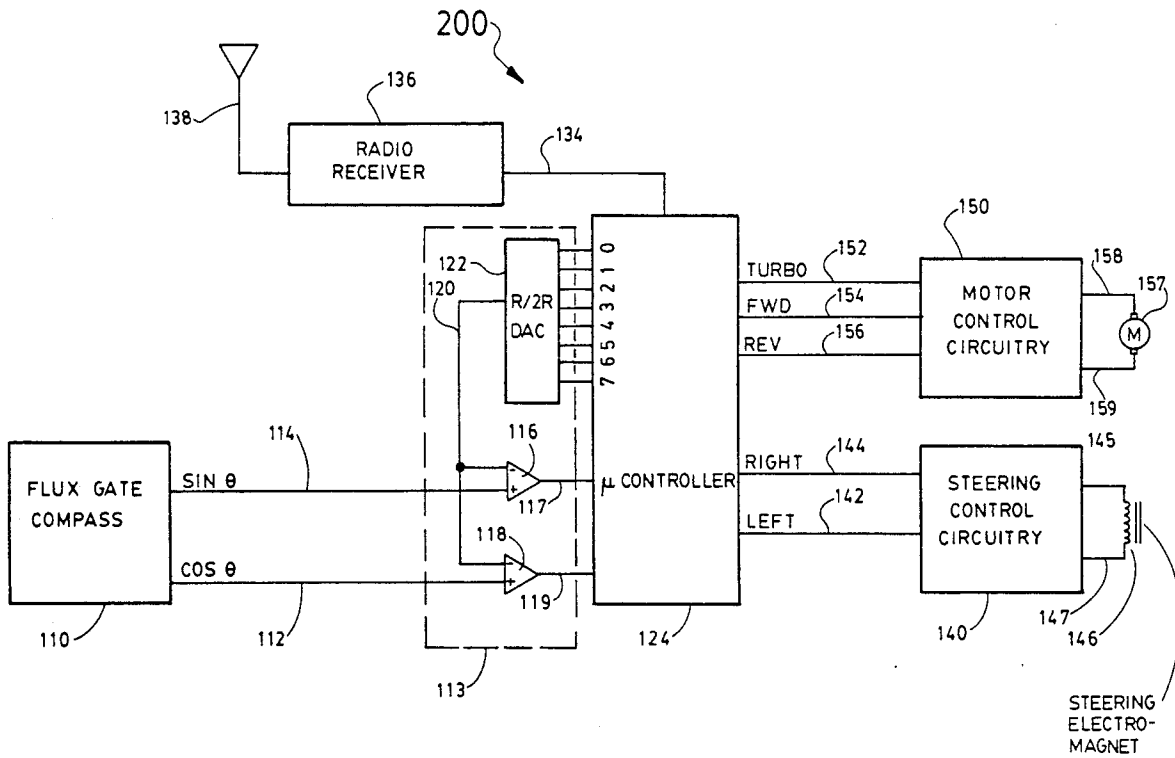
A remote control transmitter/receiver system wherein an absolute direction command may be issued by the transmitter and acted upon by the receiver. The transmitter and receiver both include a common reference direction so that an absolute direction command (i.e., relative to the common reference direction) may be issued and acted upon. In a preferred embodiment, the transmitter operates in accordance with an internal compass signal so that an absolute direction command relative to magnetic North can be generated by the transmitter. The receiver also functions in accordance with an internal compass signal so that an absolute direction command transmitted to the receiver can be effected. The transmitter and receiver may be micro-processor controlled, and the internal compass signal may be generated with an electronic flux gate compass. The invention may be used in place of the conventional remote control systems that are used with hand-held transmitters and hobby vehicles.

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9 Claims, 4 Drawing Sheets



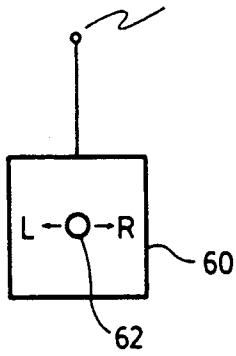


FIG. 1
PRIOR ART

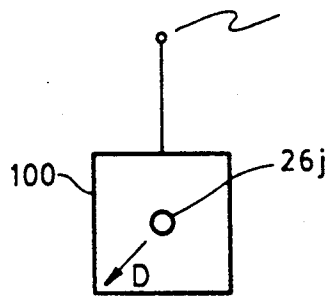
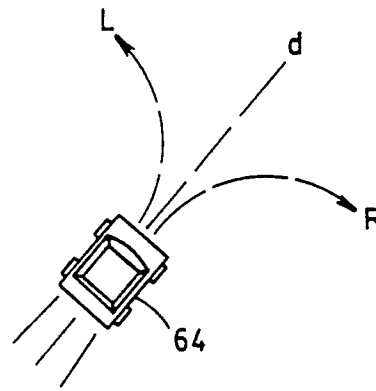


FIG. 2a

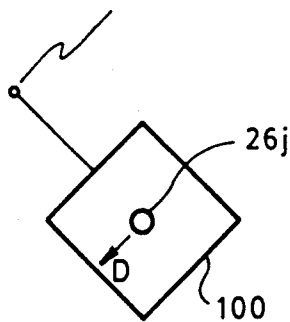
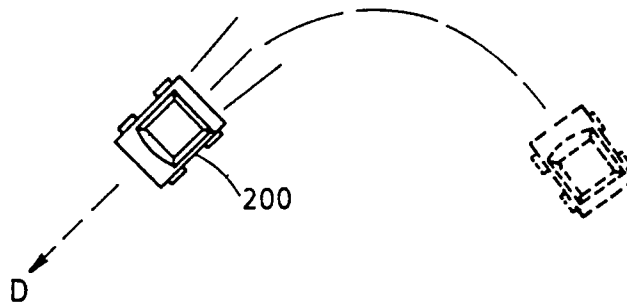


FIG. 2b

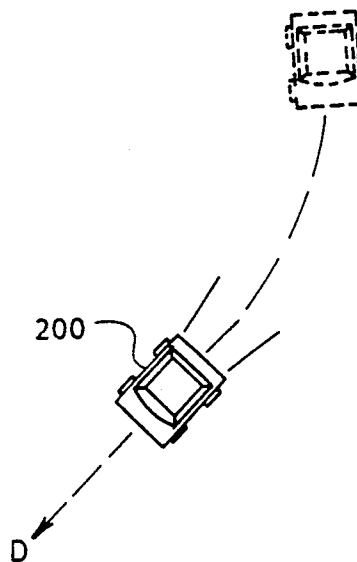
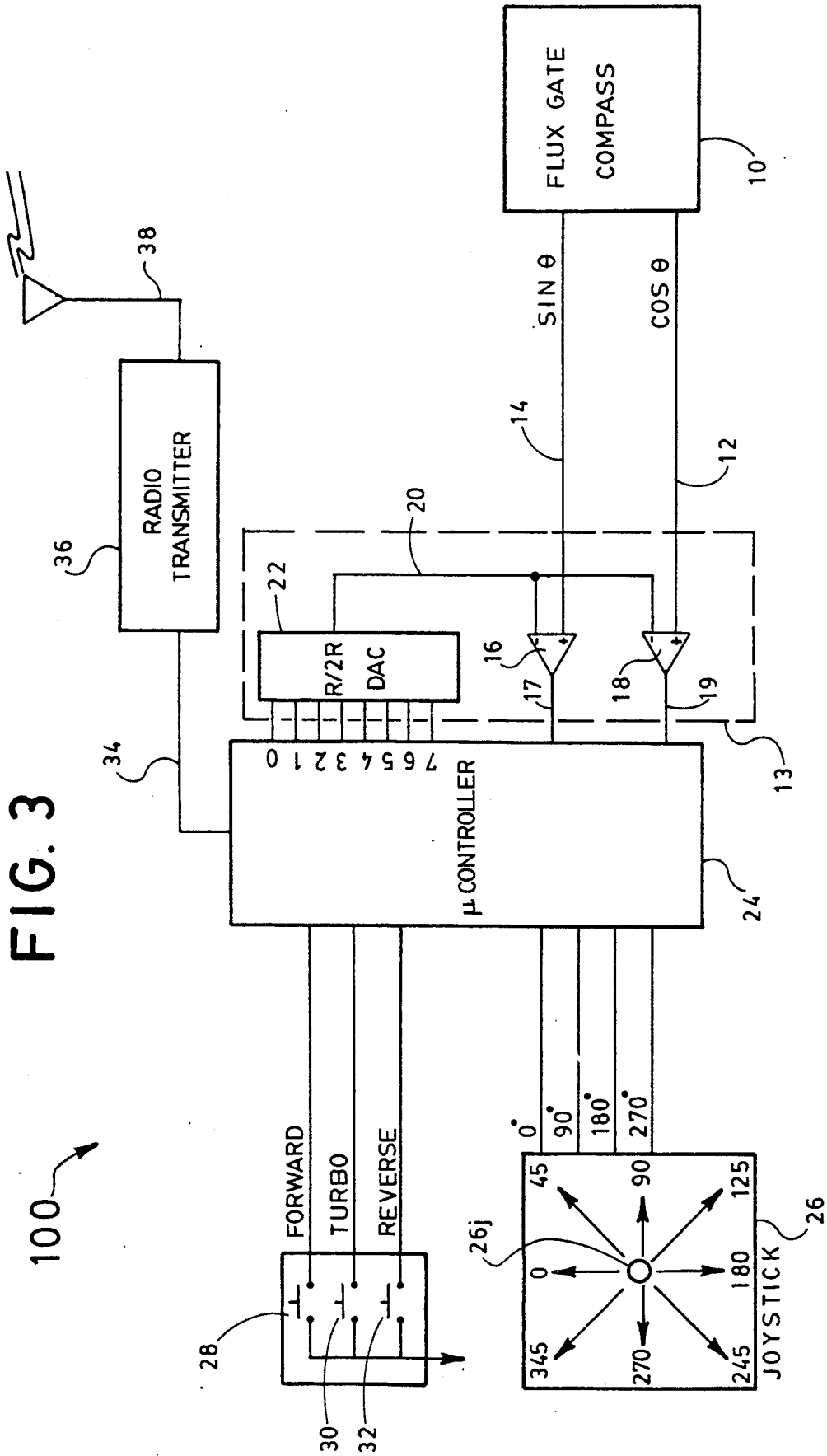


FIG. 3



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FIG. 5

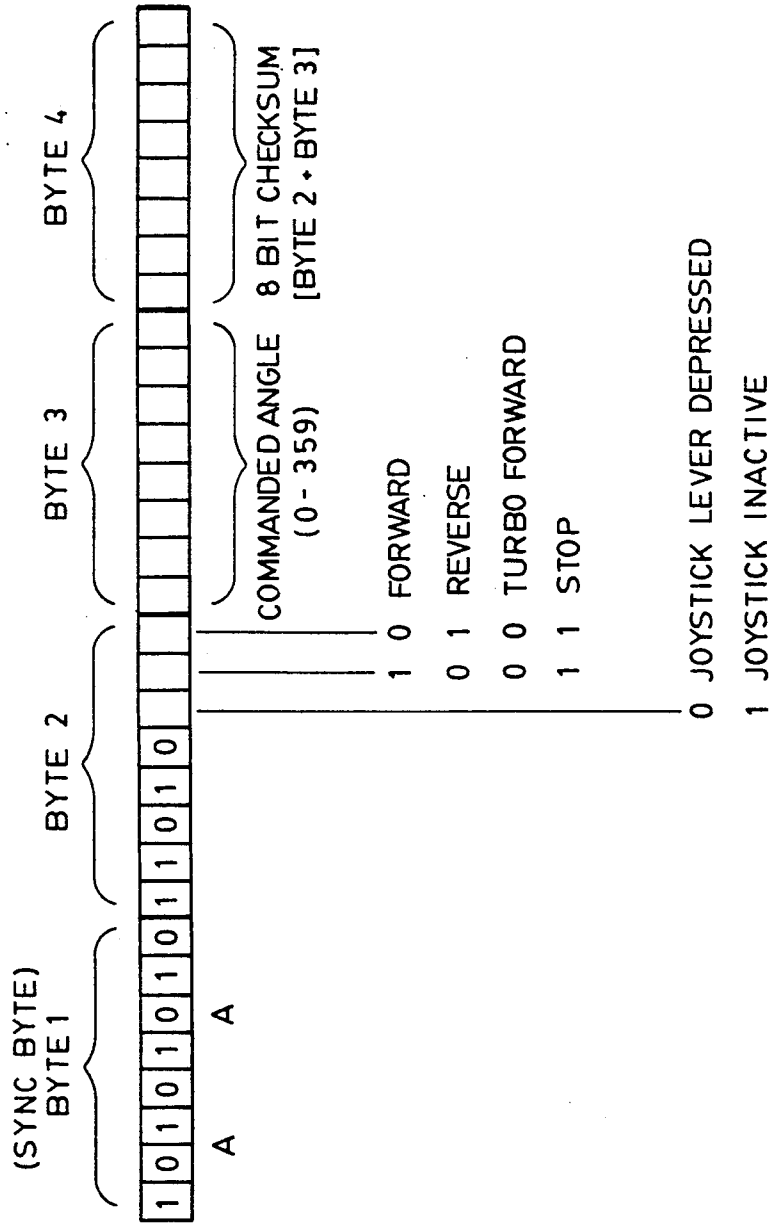
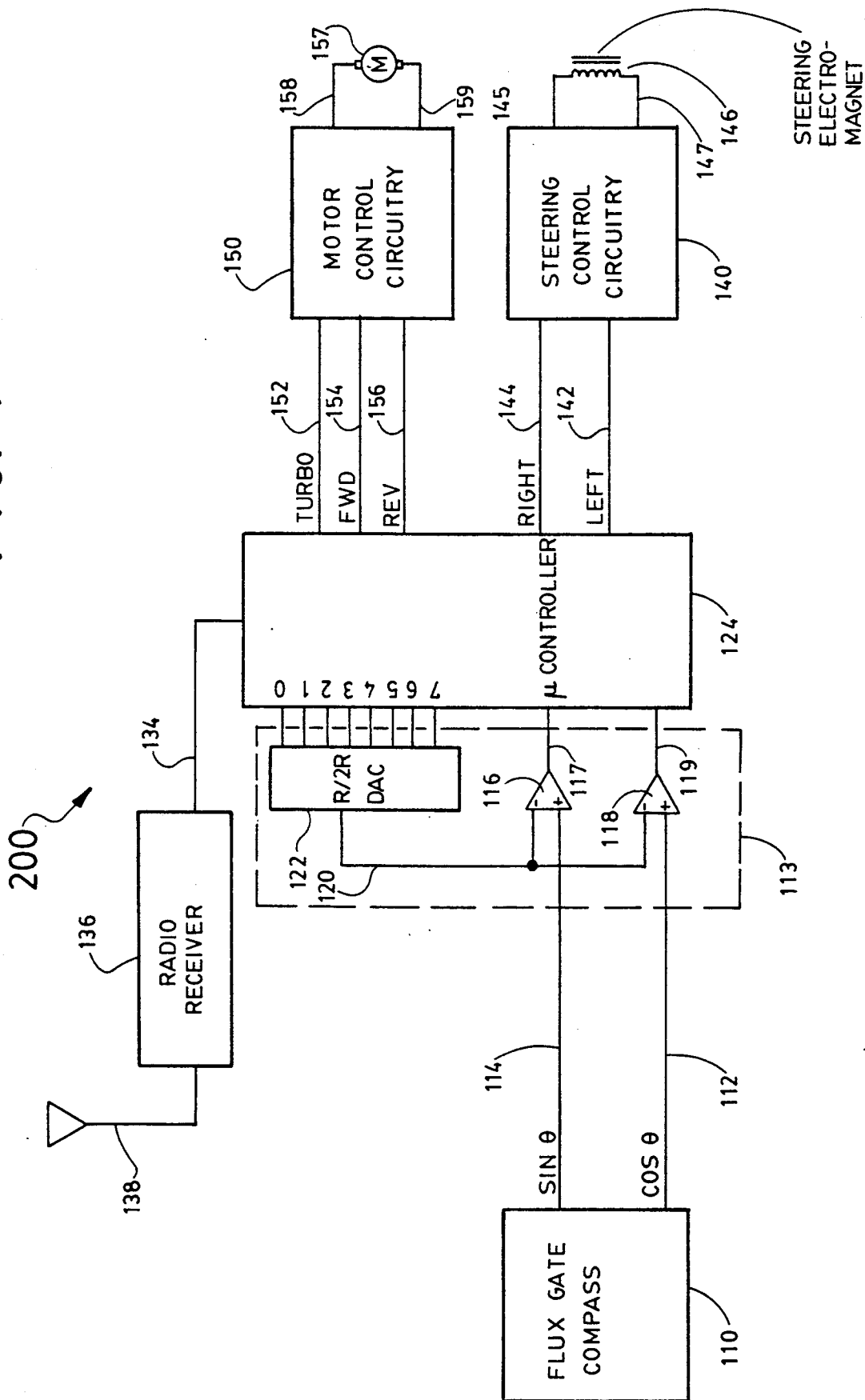


FIG. 4



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