

[54] AUTOMATIC REPLAY CONTROL SYSTEM AND METHOD FOR AMUSEMENT DEVICES

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[57] ABSTRACT

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A microprocessor computer system includes random access and read only memories and a set of operator switches permitting the storage of game play information. During operation of the amusement device, game play is monitored and the score required to receive a free play is periodically adjusted to maintain a selected free play percentage. The percentage is determined by either the factory setting or the operator through the operator switches. The data used to compute the free play percentage is constantly checked by the system to insure that it is valid.

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[51] Int. Cl.<sup>4</sup> ..... A63F 7/02; A63F 9/22

[52] U.S. Cl. .... 273/121 A; 273/138 A; 273/1 E

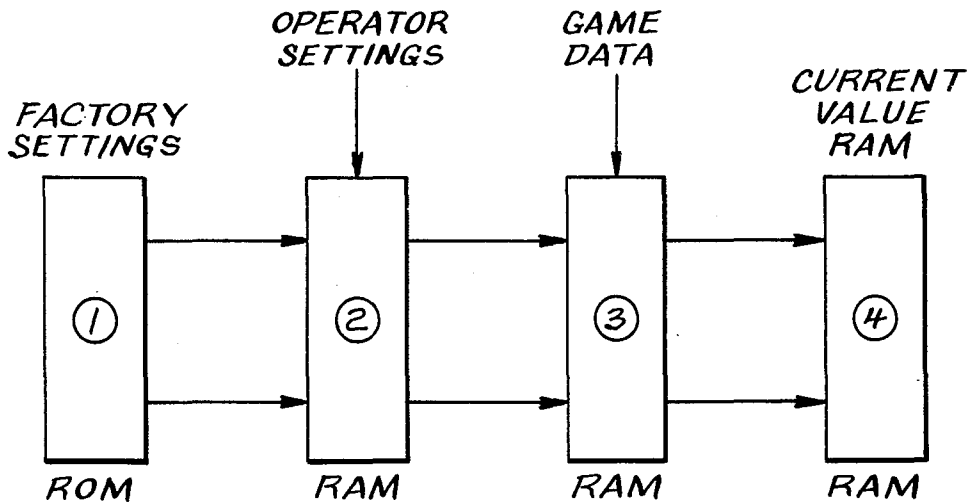
[58] Field of Search ..... 273/1 E, 1 GC, 1 GE, 273/85 G, 138 A, DIG. 28, 121 A, 313-316, 1 ES, 143 R; 364/410-412

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9 Claims, 11 Drawing Figures



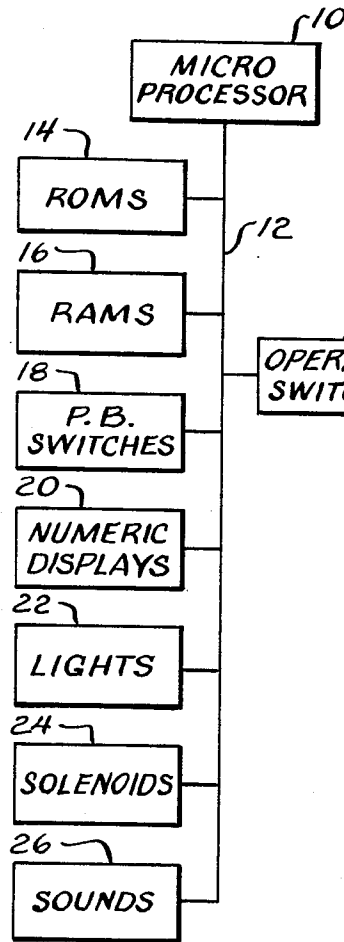


FIG. 1

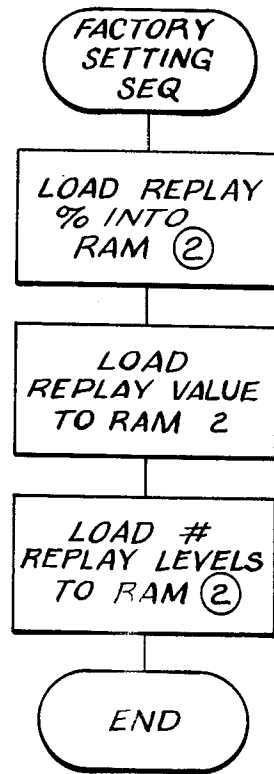


FIG. 4

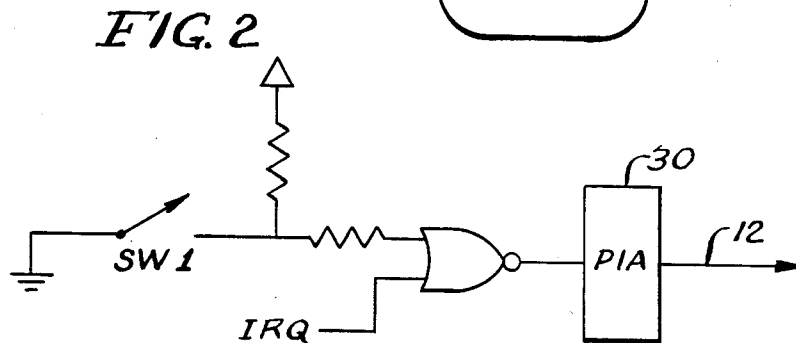


FIG. 2

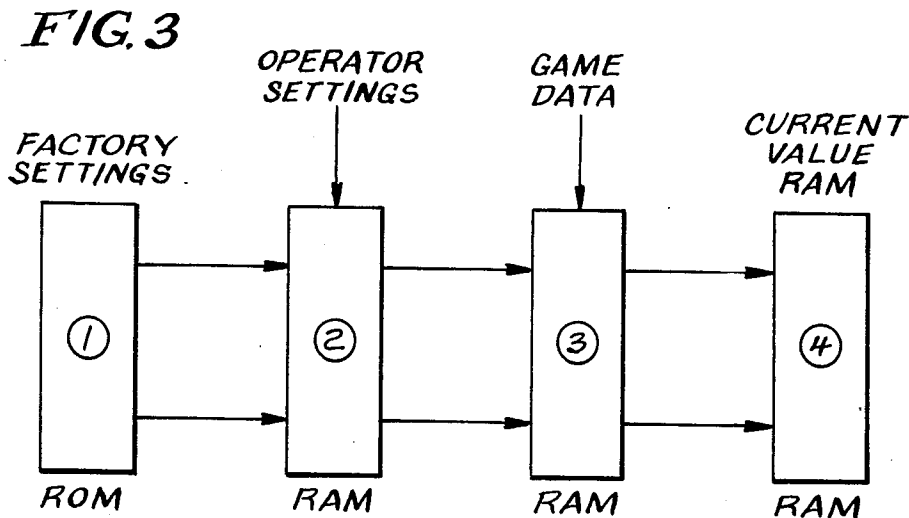


FIG. 3

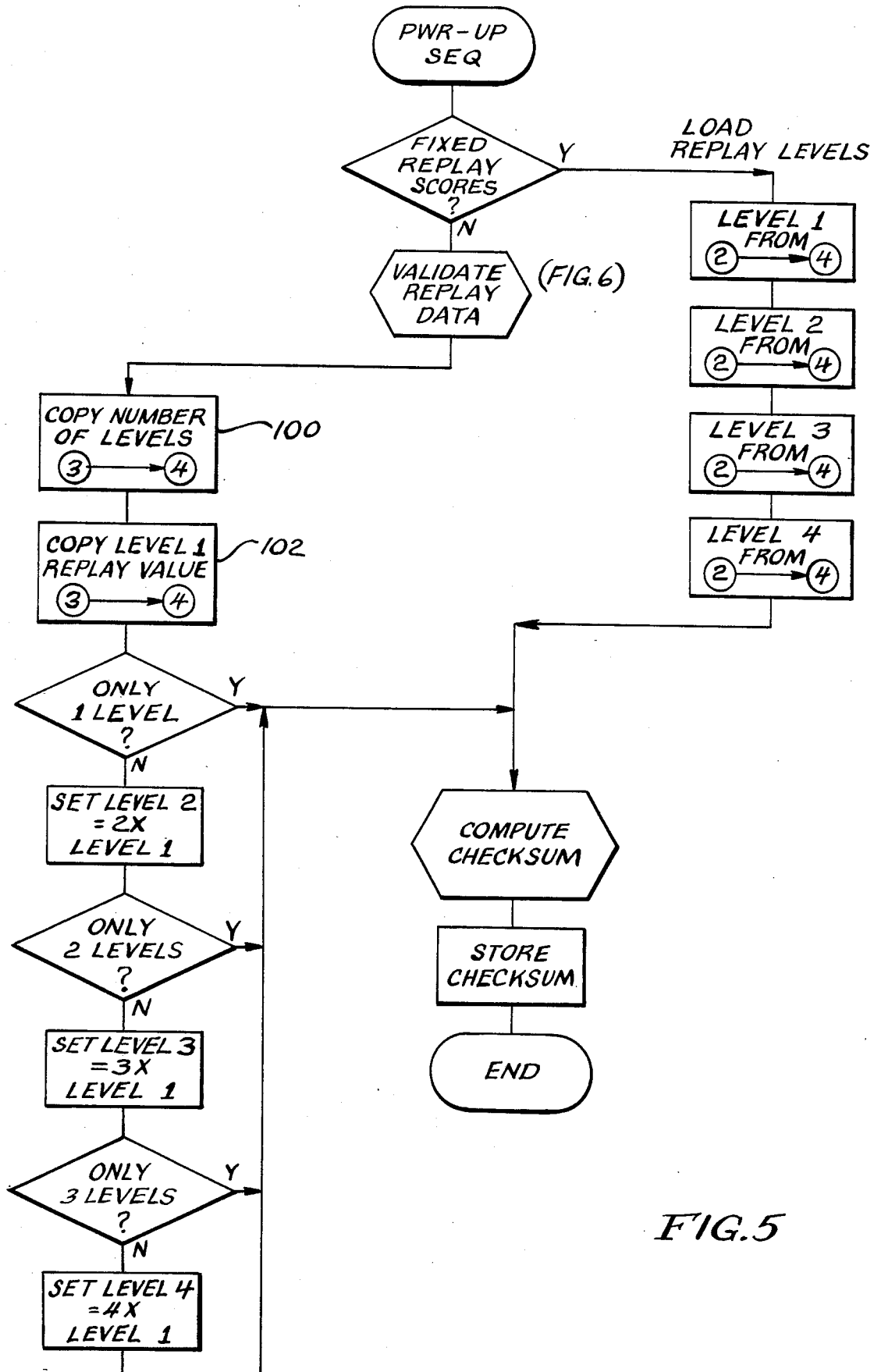


FIG. 5

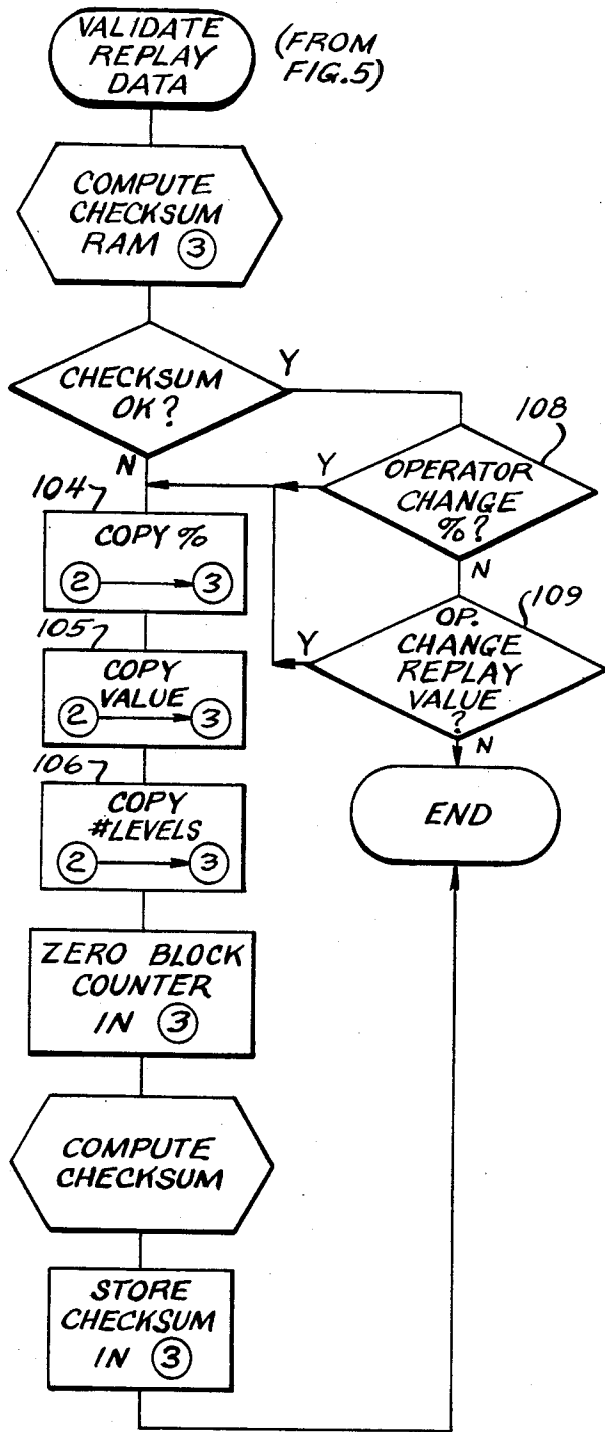


FIG. 6

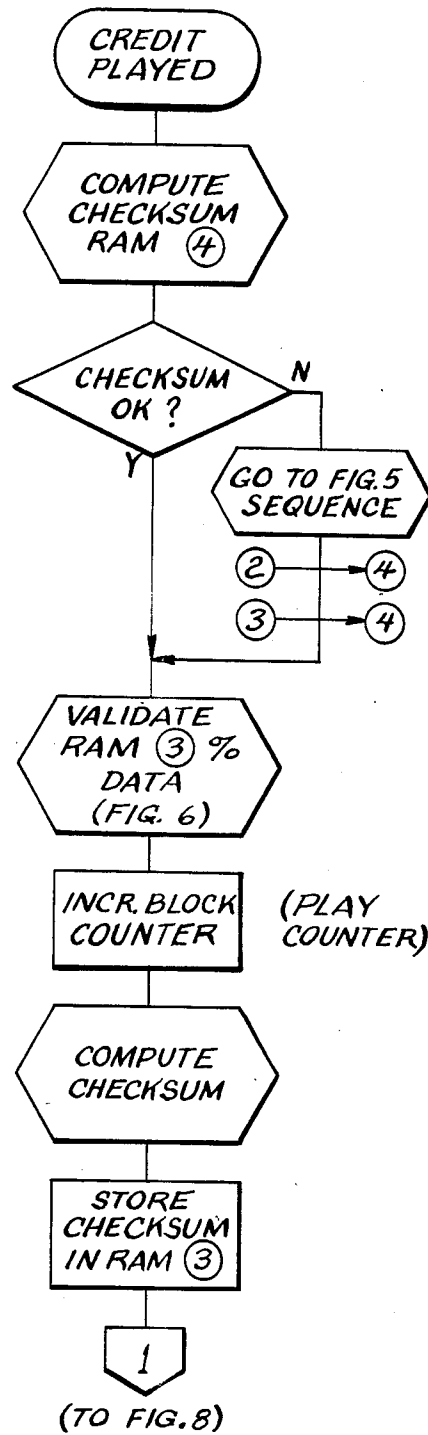


FIG. 7

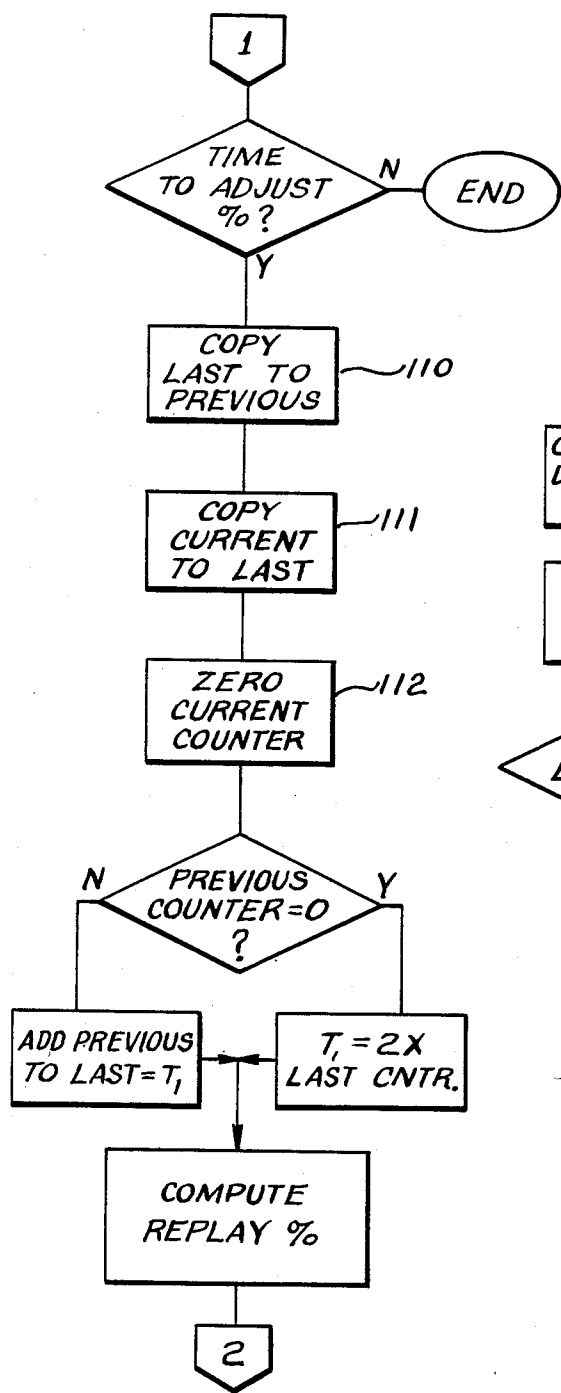
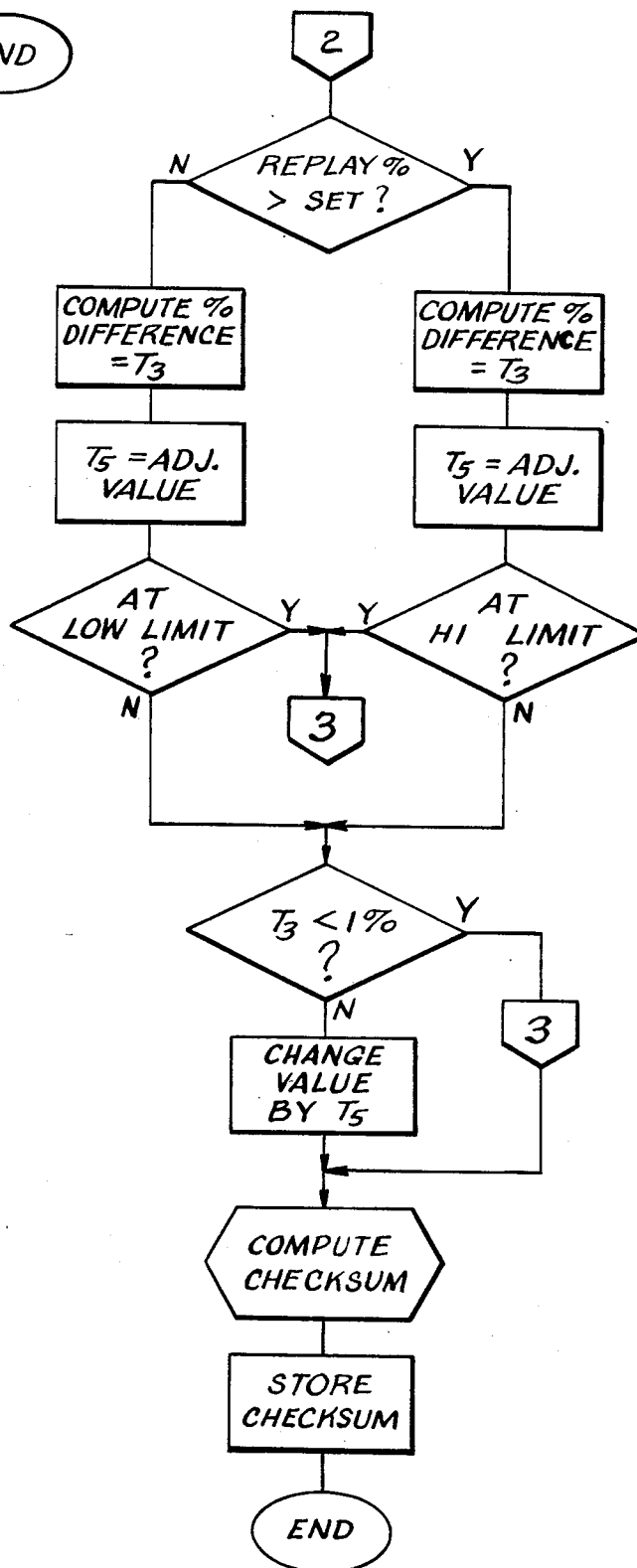


FIG. 8

FIG. 9



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