



US005796376A

# United States Patent [19] Banks

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- [54] ELECTRONIC DISPLAY SIGN
- [75] Inventor: Archie A. Banks, Prince Edward Island, Canada
- [73] Assignee: CIE Research, Inc., Prince Edward Island, Canada
- [21] Appl. No.: 422,701
- [22] Filed: Apr. 14, 1995

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### Related U.S. Application Data

- [63] Continuation of Ser. No. 406,660, Mar. 20, 1995, abandoned, which is a continuation of Ser. No. 149,714, Nov. 9, 1993, abandoned, which is a continuation of Ser. No. 809,670, Dec. 18, 1991, abandoned.
- [51] Int. Cl.<sup>6</sup> ..... B41J 2/105; B41J 2/01; B41J 3/00; B41J 29/38
- [52] U.S. Cl. .... 345/82; 345/1; 345/4; 345/903
- [58] Field of Search ..... 345/82, 1, 2, 4-6, 345/903; B41J 2/105, 2/01, 3/00, 29/56

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### ABSTRACT

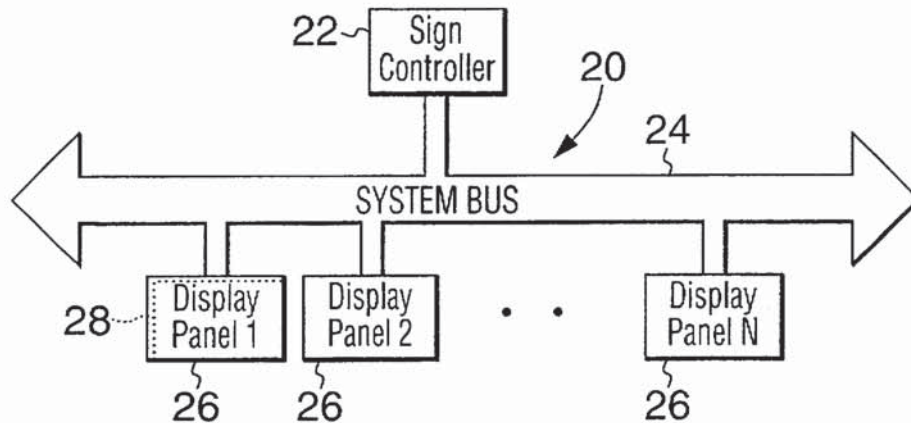
[57] An electronic display sign constructed around a system bus architecture is disclosed. The electronic display sign is preferably a modular construction wherein a number of modules are connected together to form a large display sign which is capable of displaying images at rates which exceed thirty frames a second. Display data is formatted and transmitted to display modules by a sign controller which resides on one of the panels. Each display panel is preferably provided with its own power source.

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30 Claims, 7 Drawing Sheets



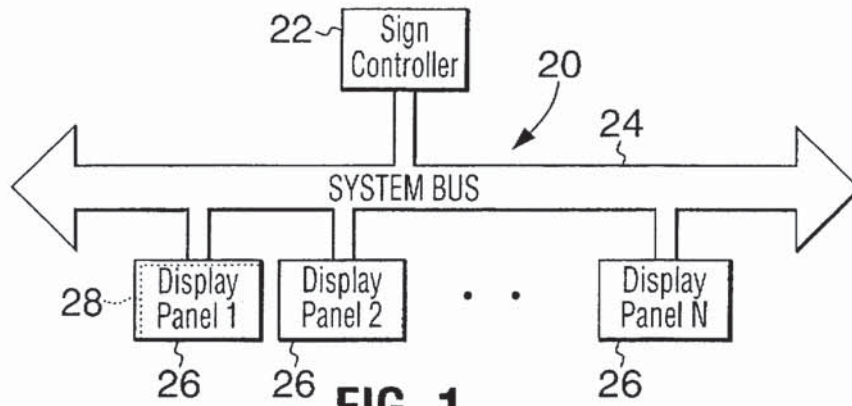


FIG. 1

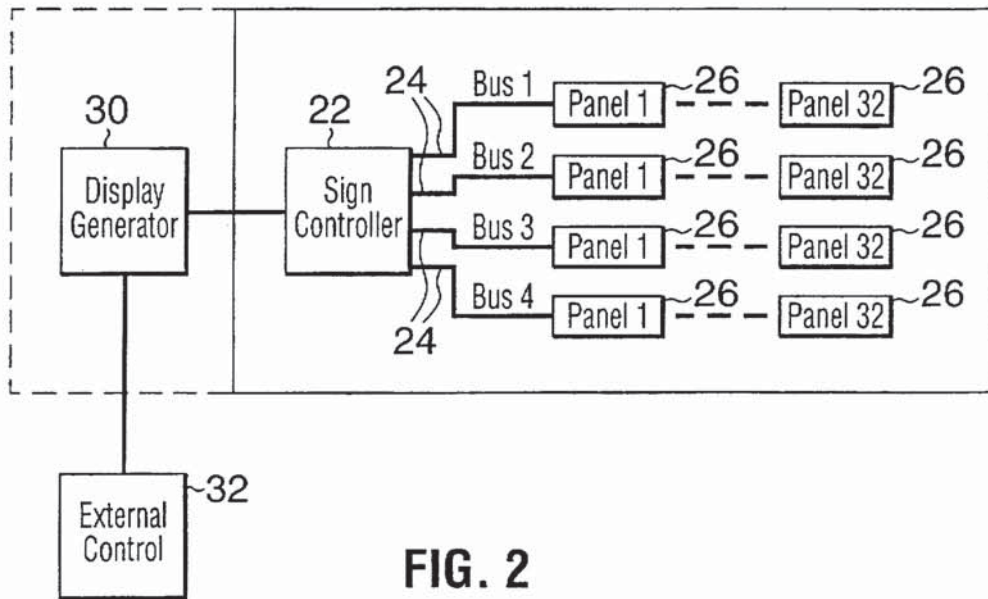


FIG. 2

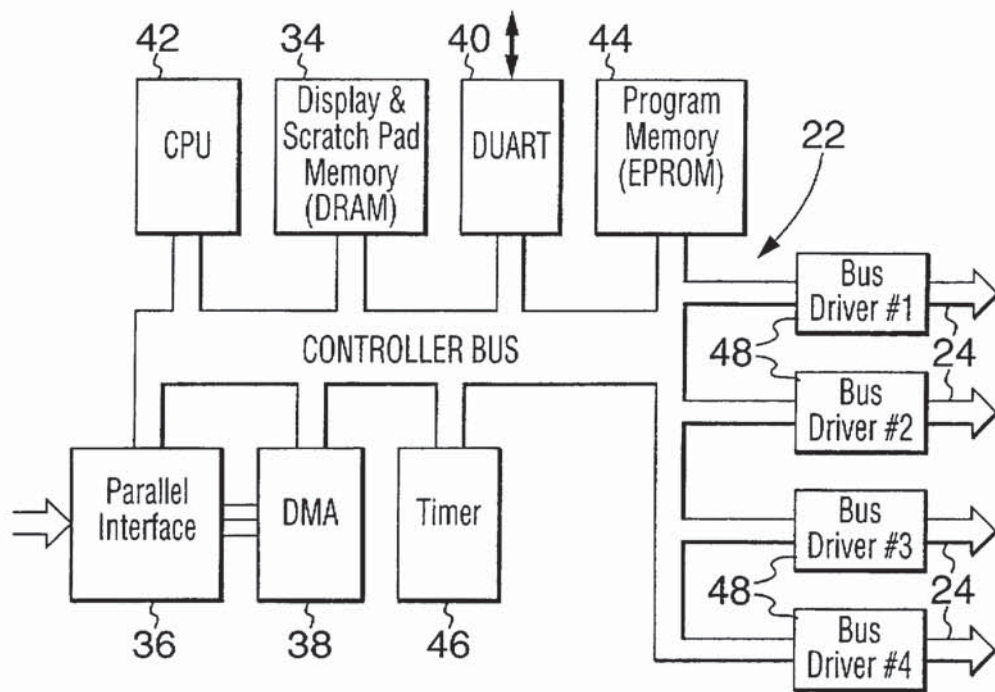


FIG. 3

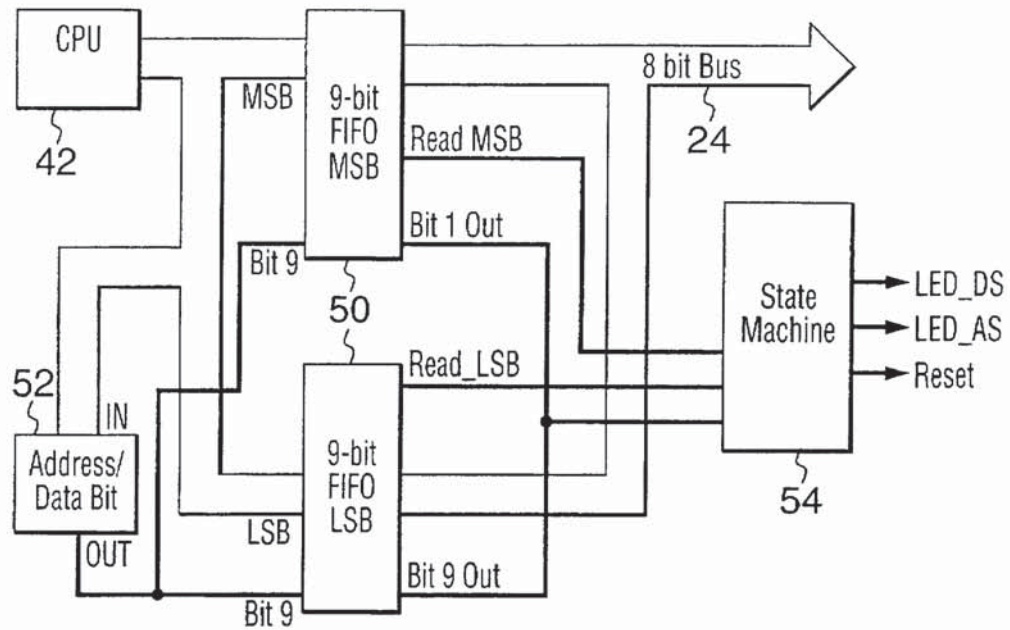


FIG. 4

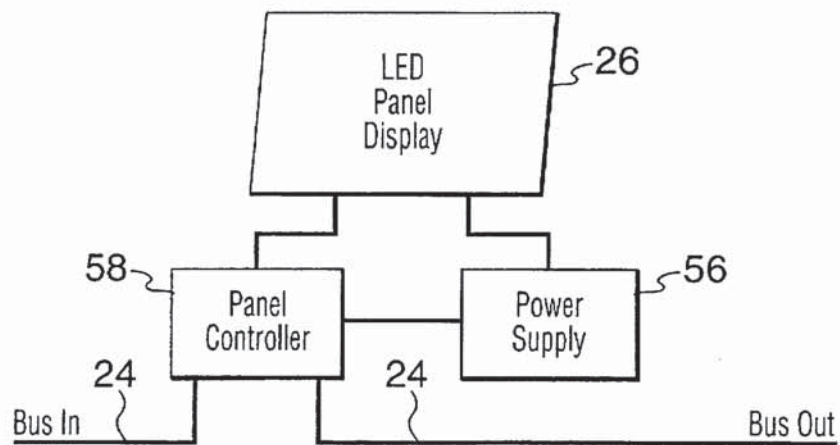
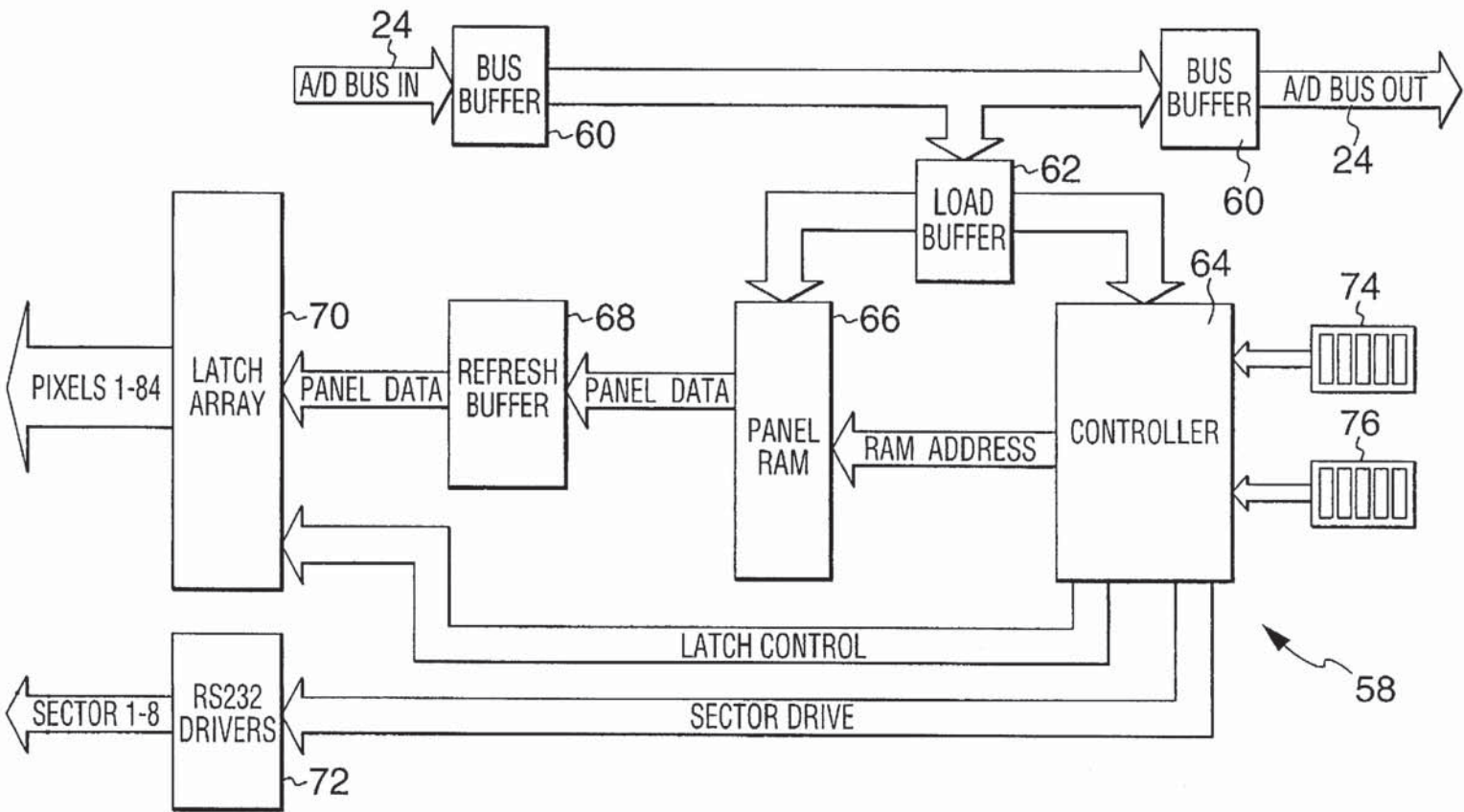


FIG. 5



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