United States Patent [19]

Maclean et al.

[54] STORAGE CONTROLLER EMULATOR PROVIDING TRANSPARENT RESOURCE SHARING IN A COMPUTER SYSTEM

- [75] Inventors: William M. Maclean, Milton; Edward G. Agnew, Campbellville; Richard C. Madter, Puslinch, all of Canada
- [73] Assignee: 516277 Ontario Limited, Ontario, Canada
- [21] Appl. No.: 556,130
- [22] Filed: Nov. 29, 1983
- [51] Int. Cl.⁴ G06F 13/12
- [58] Field of Search ... 364/200 MS File, 900 MS File
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[11] Patent Number: 4,792,896

[45] Date of Patent: Dec. 20, 1988

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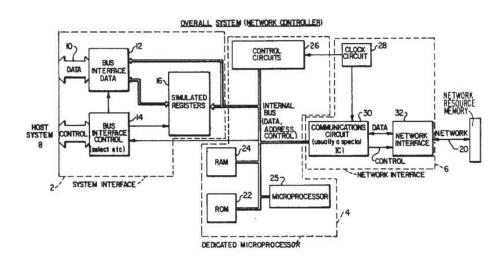
Primary Examiner-Archie E. Williams, Jr. Assistant Examiner-Florin Munteanu

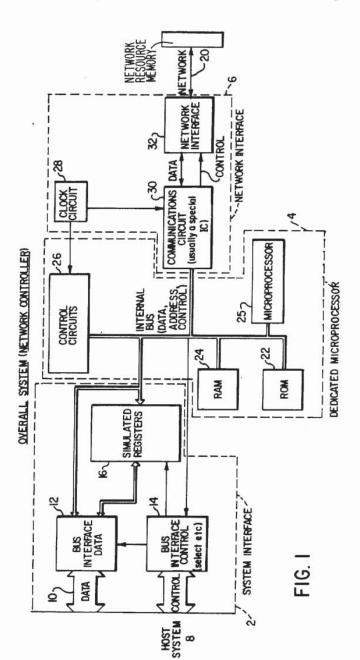
Attorney, Agent, or Firm-Kenyon & Kenyon

[57] ABSTRACT

A microprocessor controlled mass storage controller is used as an interface for mass storage devices which are shared by a plurality of stand-alone microcomputer systems. The microprocessor controlled mass storage controller has a system interface which maintains communications with a host microcomputer; a dedicated microprocessor which maintains the internal control of the controller and a network interface which maintains an access to the external network. Data transparency and integrity are achieved through the simulation by the controller of the mass storage device characteristics and responses.

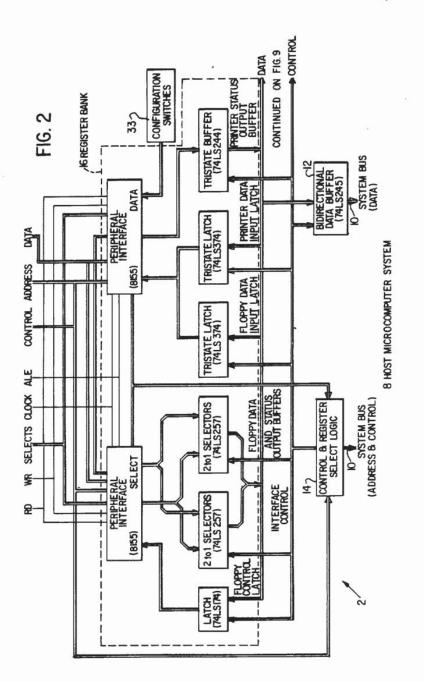
6 Claims, 7 Drawing Sheets





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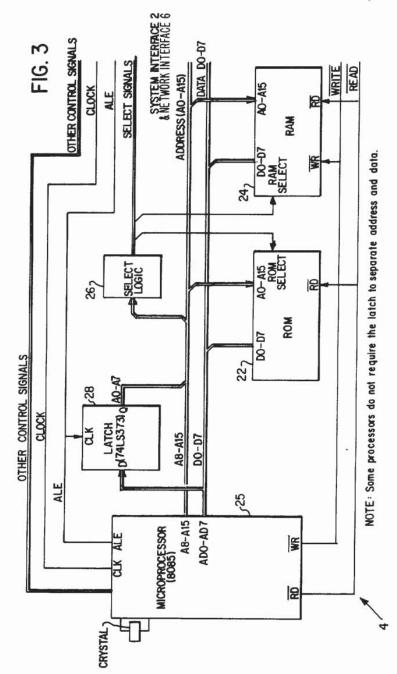
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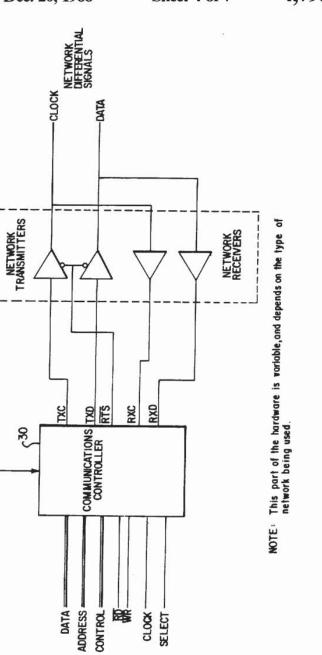
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