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Amuro et al.

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[54] **SCSI CONTROLLER WITH TARGET STATUS RETRIEVAL**

[75] Inventors: **Stephen J. Amuro**, Middletown; **Paul J. Giorgio**, Providence, both of R.I.

[73] Assignee: **The United States of America as represented by the Secretary of the Navy**, Washington, D.C.

[*] Notice: This patent is subject to a terminal disclaimer.

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[58] **Field of Search** ..... 395/200, DIG. 1; 364/206; 709/217

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Primary Examiner—Mark H. Rinehart
Attorney, Agent, or Firm—Michael J. McGowan; Robert W. Gauthier; Prithvi C. Lall

[57] **ABSTRACT**

An improved SCSI controller provides a logical connection between a plurality of host processors using a single SCSI initiator. The controller contains removable host adapters for connection to any type of host processor interface. When a host processor requests status information of a target device, that status information is passed to the requesting processor and subsequently stored in the controller and made available to all other host processors. The advantage to such a controller is the expanded number of host processor connections to a single SCSI initiator whereby each host processor can independently and logically connect through the controller and SCSI initiator to a target without clearing target status information for other host processors. The invention is particularly advantageous when adapted to function in a local area network (LAN) arrangement where a significant number of host processors are requesting data from one mass storage device.

10 Claims, 4 Drawing Sheets