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United States Patent [19]

Hathorn et al.

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[54]	REMOTE DATA SHADOWING USING A
	MULTIMODE INTERFACE TO
	DYNAMICALLY RECONFIGURE CONTROL
	LINK-LEVEL AND COMMUNICATION
	LINK-LEVEL

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[73] Assignee: International Business Machines Corporation, Armonk, N.Y.

[21] Appl. No.: 203,248

[56]

[22] Filed: Mar. 1, 1994

200.09, 821, 861

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Primary Examiner—Thomas C. Lee Assistant Examiner—Terance J. Stanton Attorney, Agent, or Firm—Floyd E. Anderson; Robert M. Sullivan

[57] ABSTRACT

A remote copy system incorporates dynamically modifiable ports on the storage controllers such that those ports can operate either as a control unit link-level facility or as a channel link-level facility. When configured as a channel link-level facility, a primary storage controller can appear as a host processor to a secondary storage controller. Using dynamic switches coupled between primary and secondary sites, fewer ESCON communication links are required since the ESCON communication links can function either as a channel or as storage controller communication link.

17 Claims, 9 Drawing Sheets

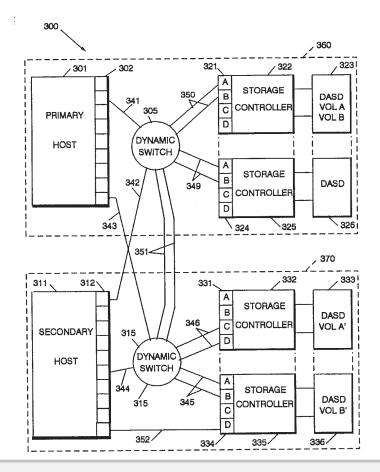
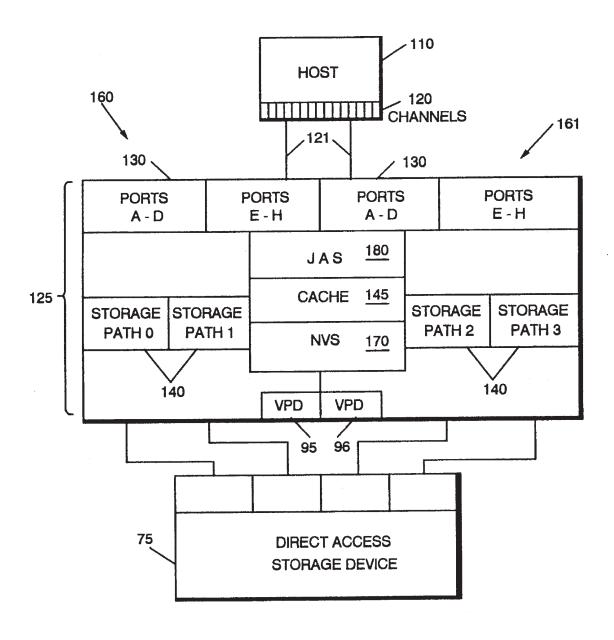
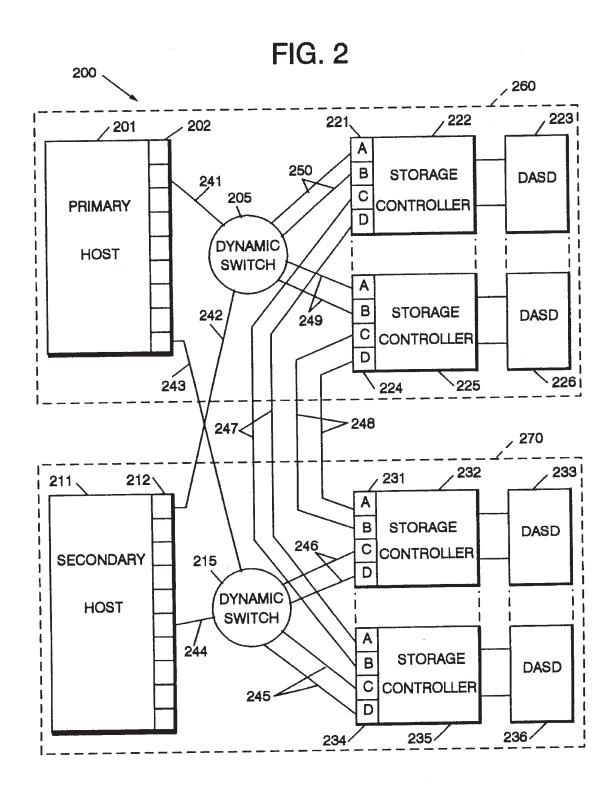


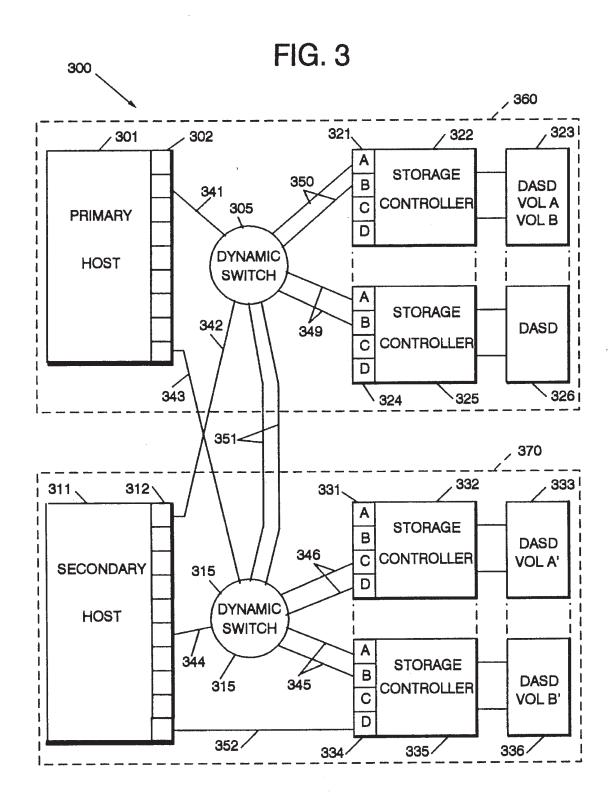


FIG. 1
PRIOR ART

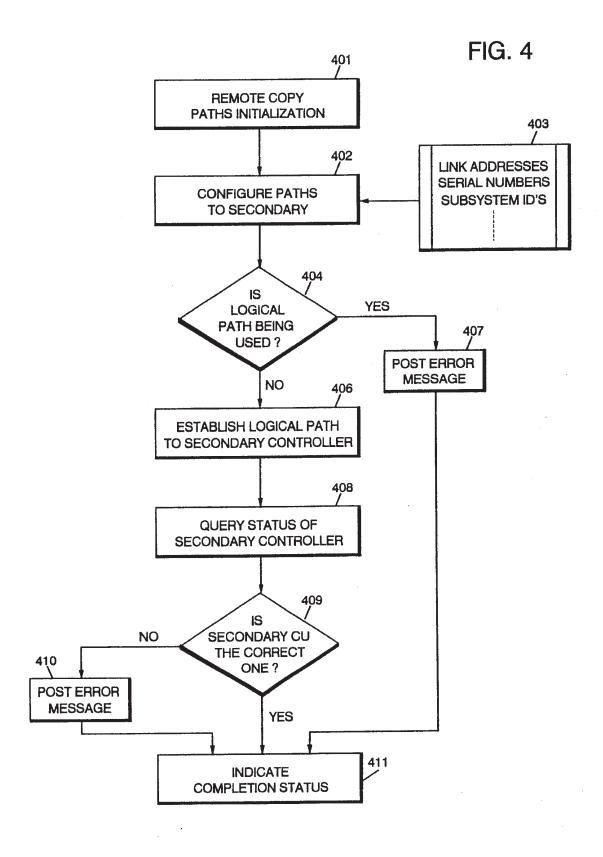














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