

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

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[51] Int. Cl.⁶ G06F 15/02

[52] U.S. Cl. 395/861; 395/200.09; 364/222.2; 364/242.94; 364/242.5; 364/DIG. 1

[58] Field of Search 364/952, 200; 395/650, 145, 600, 575, 200.01, 200.02, 200.09, 821, 861

[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.

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17 Claims, 9 Drawing Sheets

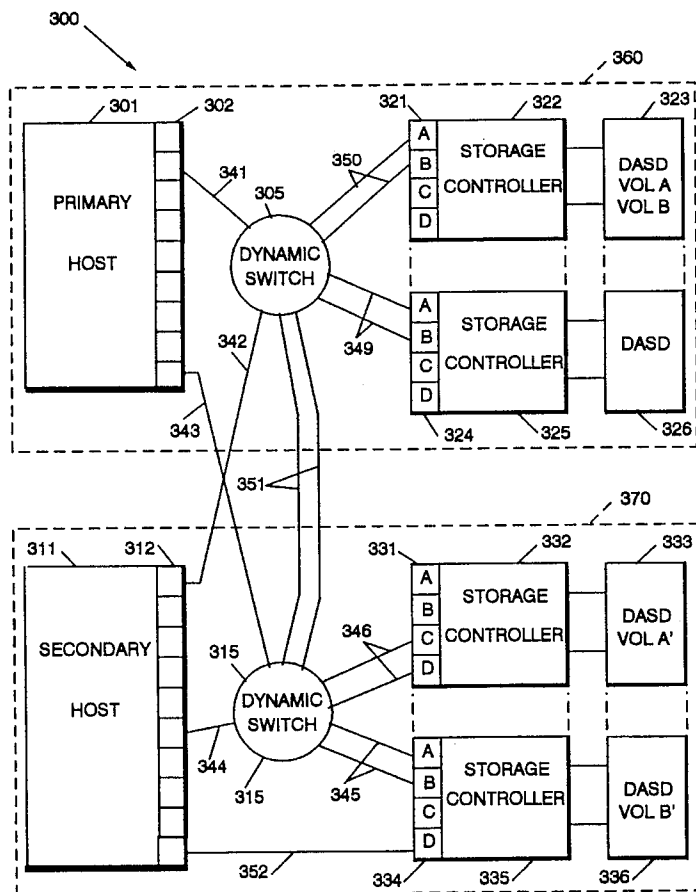


FIG. 1

PRIOR ART

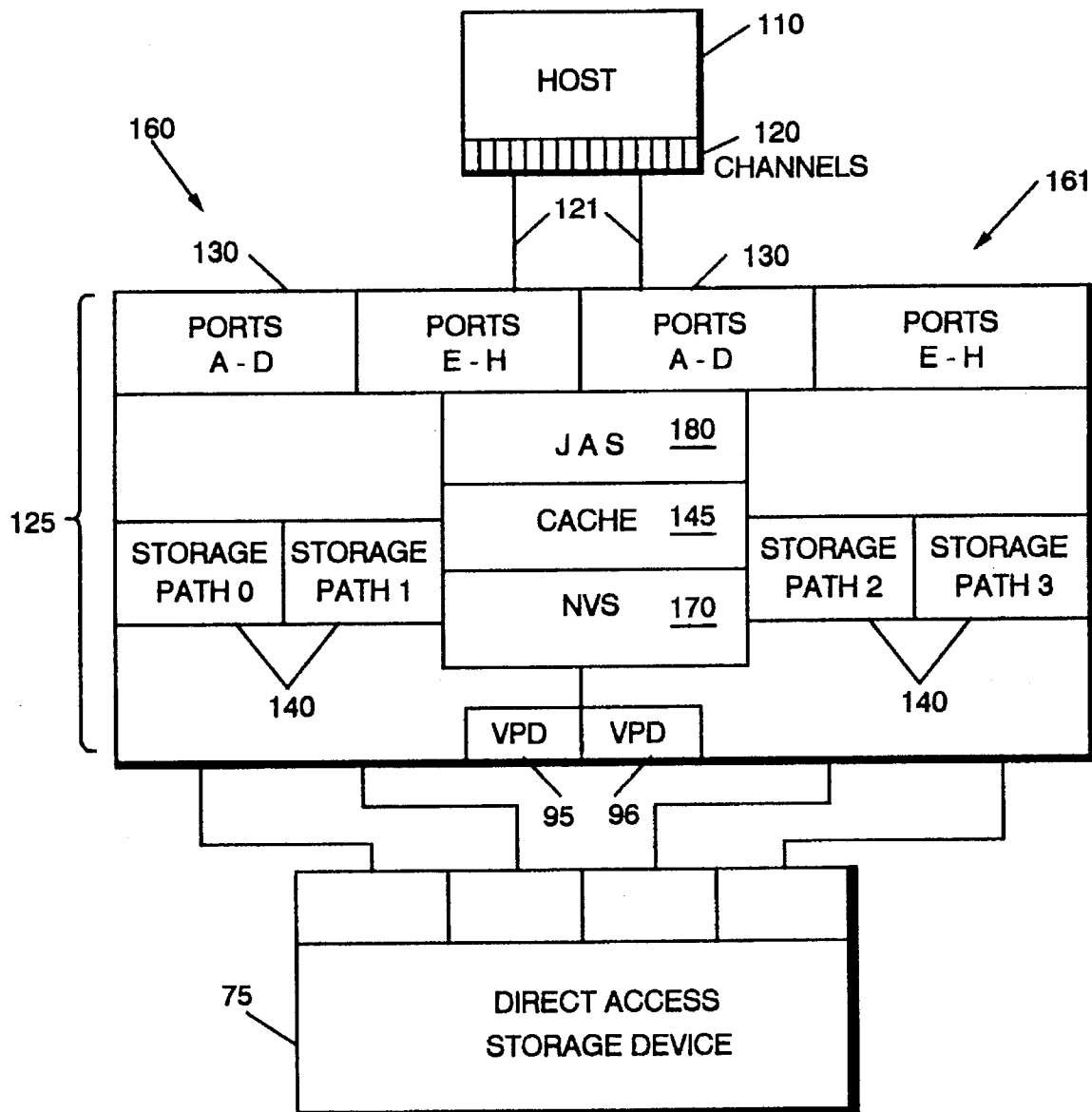


FIG. 2

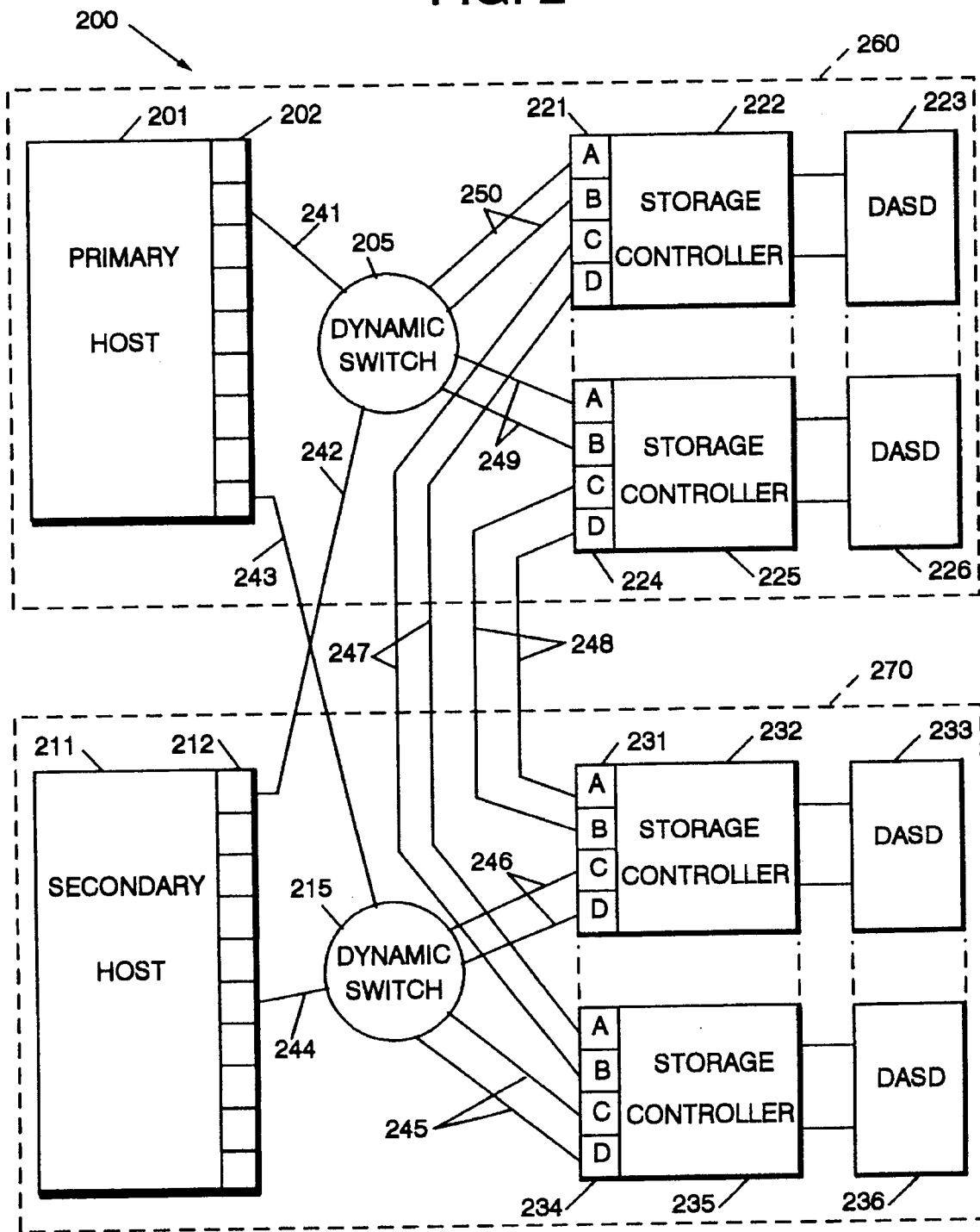


FIG. 3

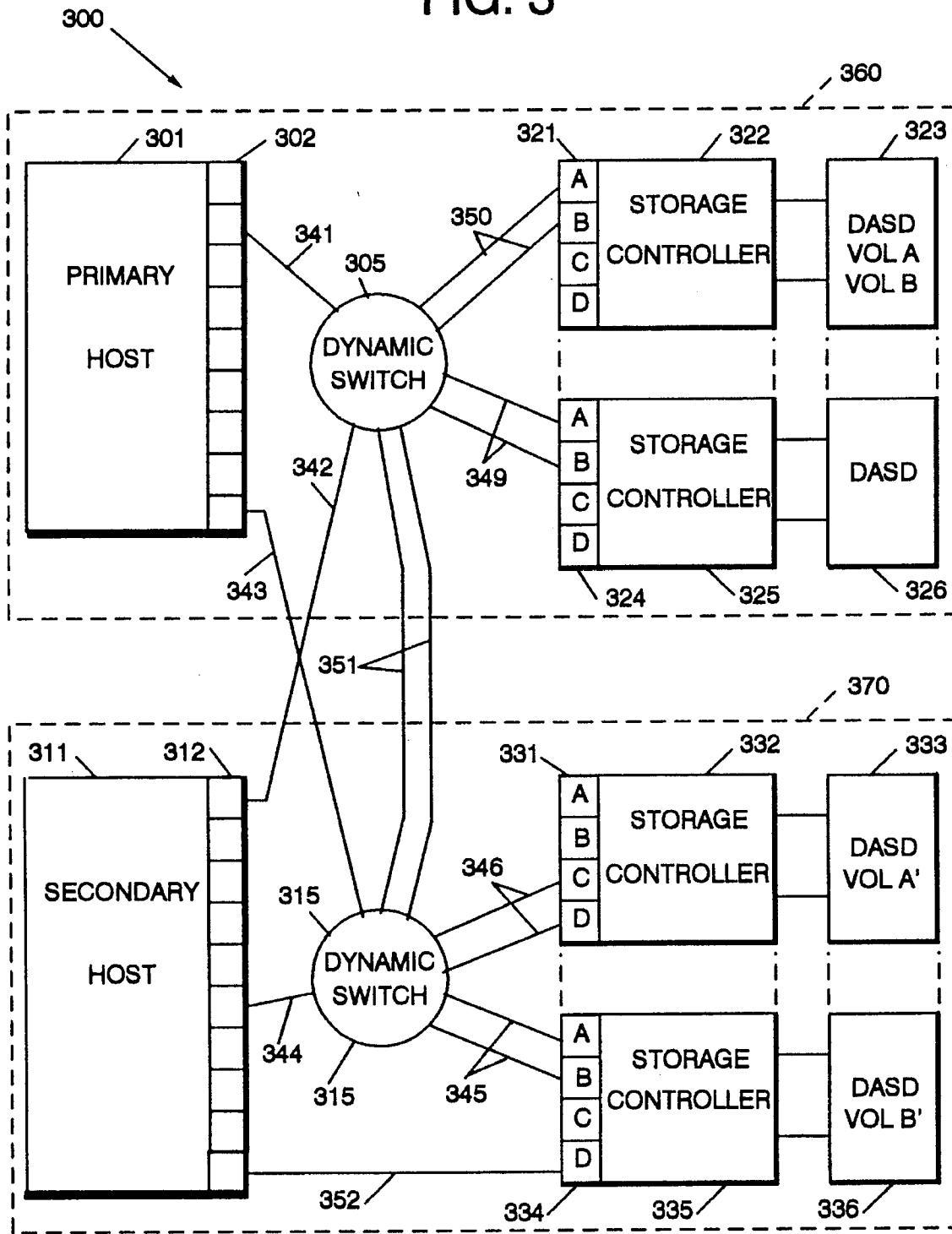
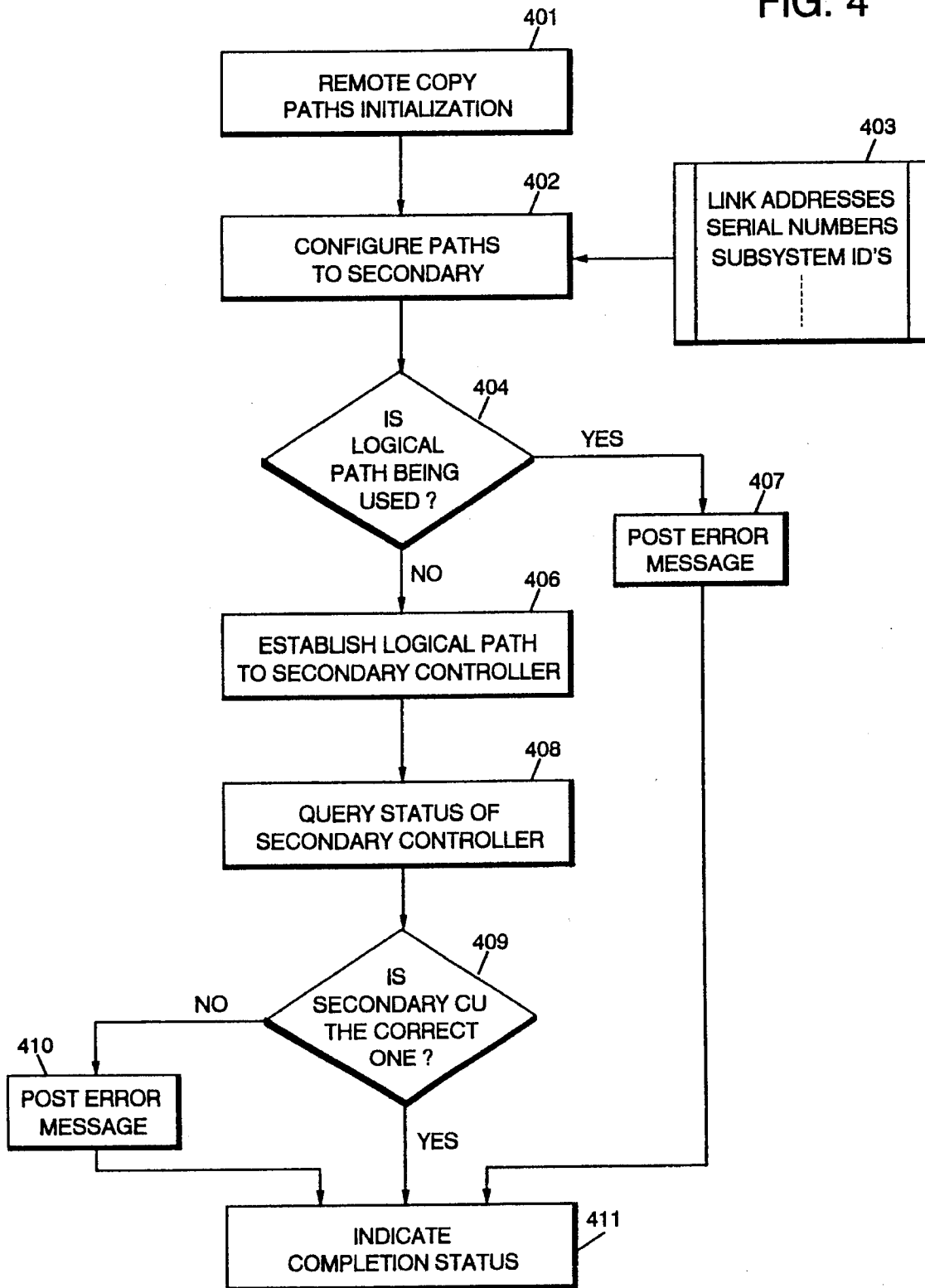


FIG. 4



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