

1/10



G00002



163163

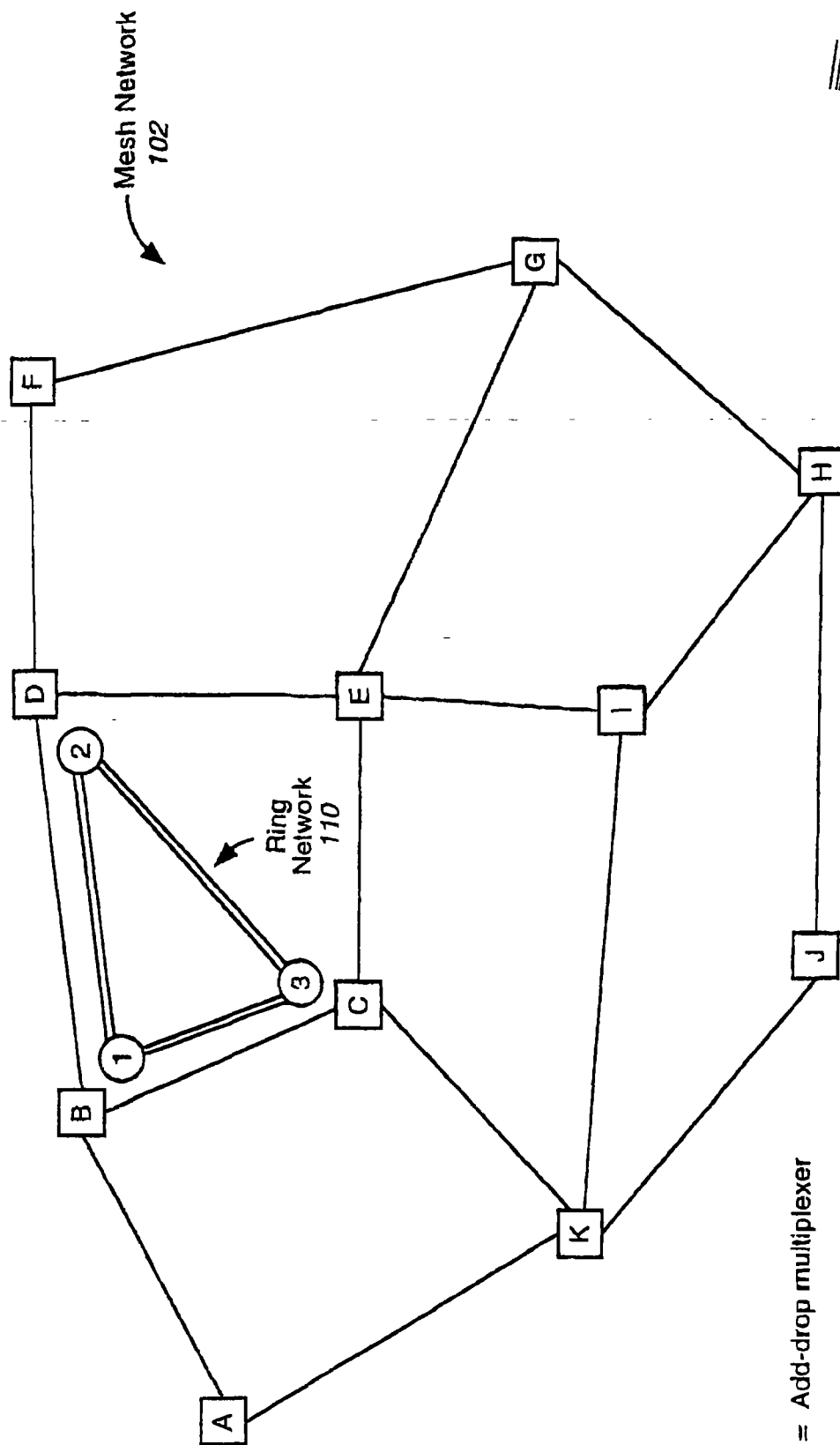


FIG. 1

- = Add-drop multiplexer
- = Optical Cross-connect Switch (OCCS)

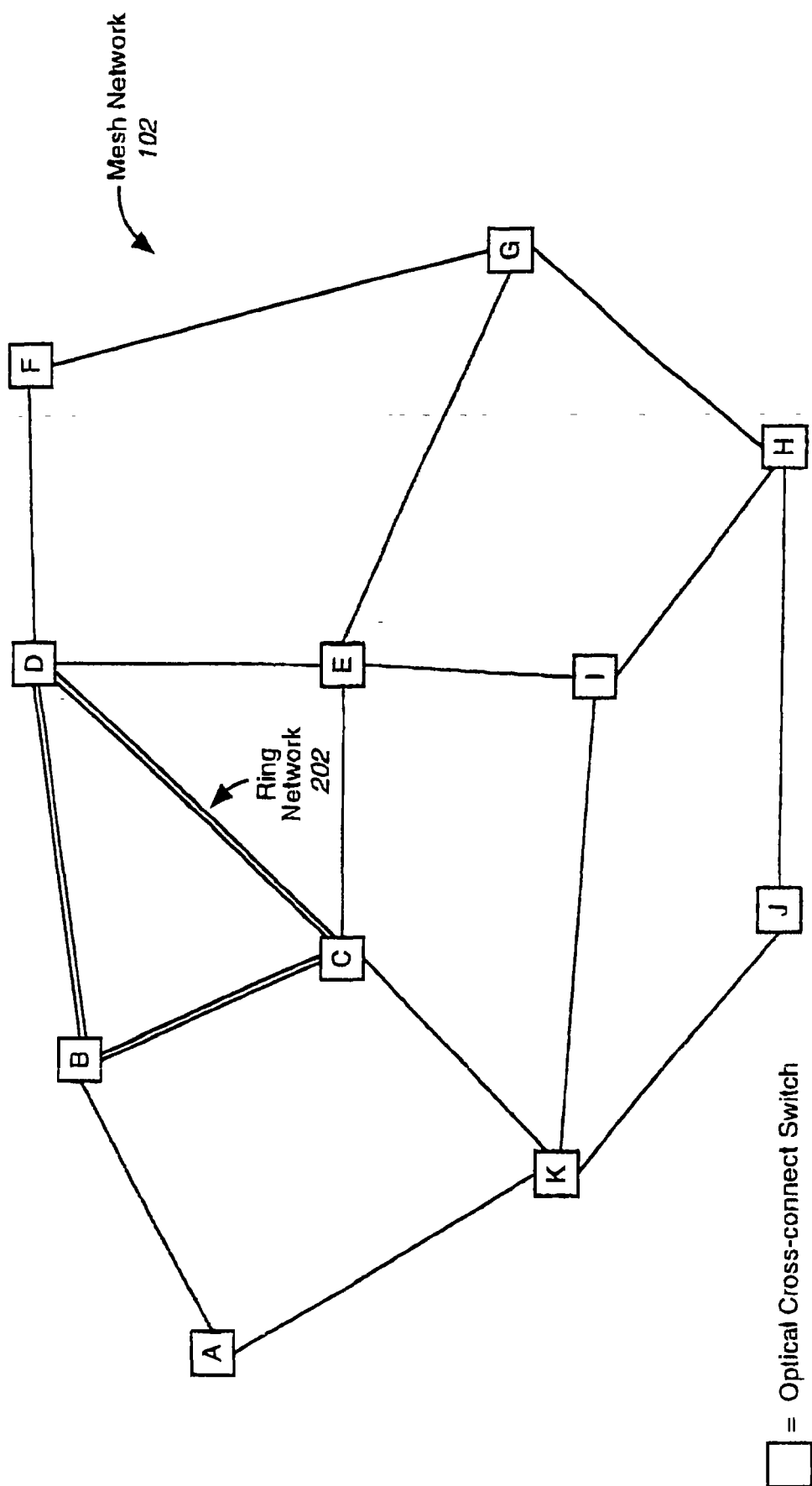


FIG. 2

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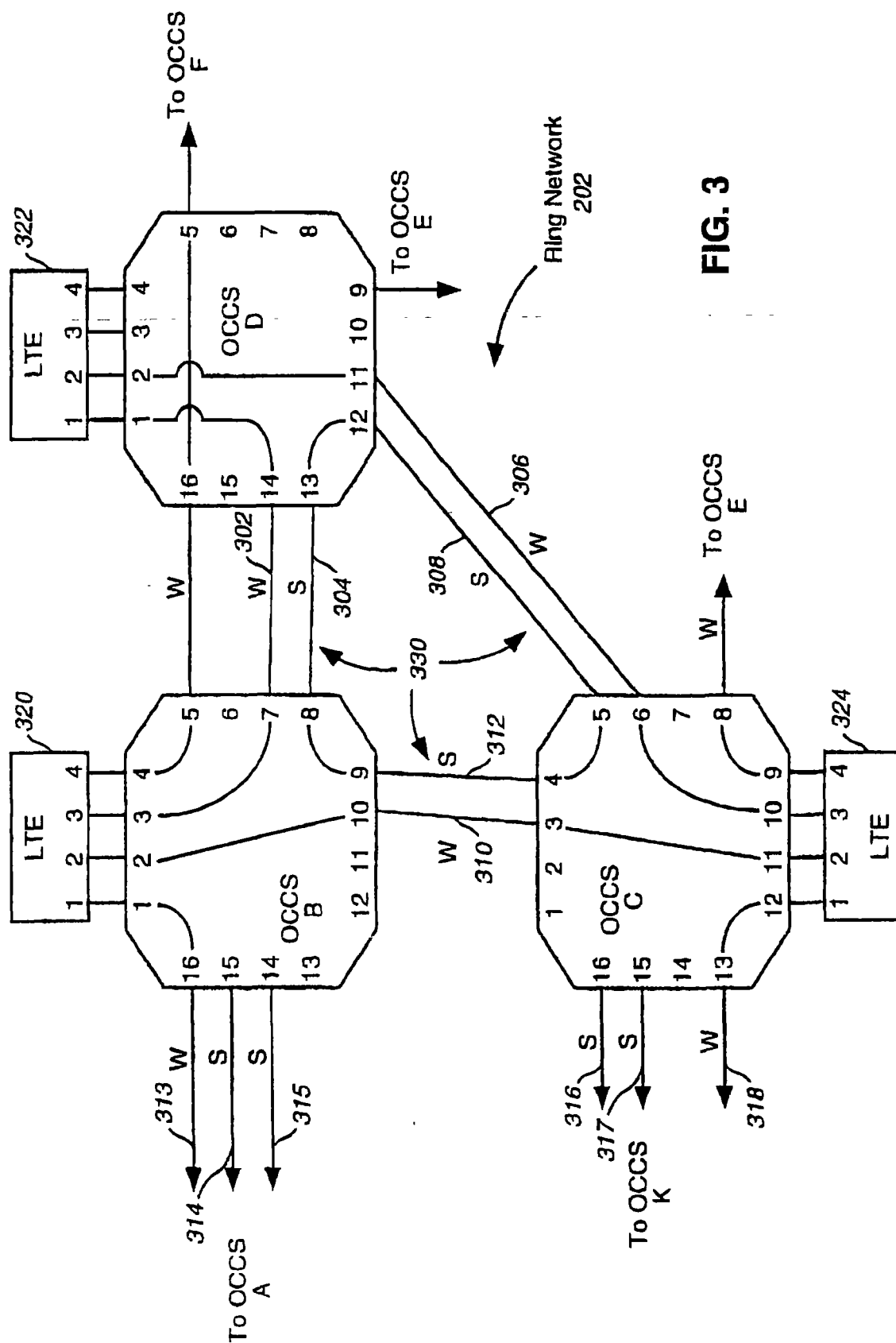


FIG. 3

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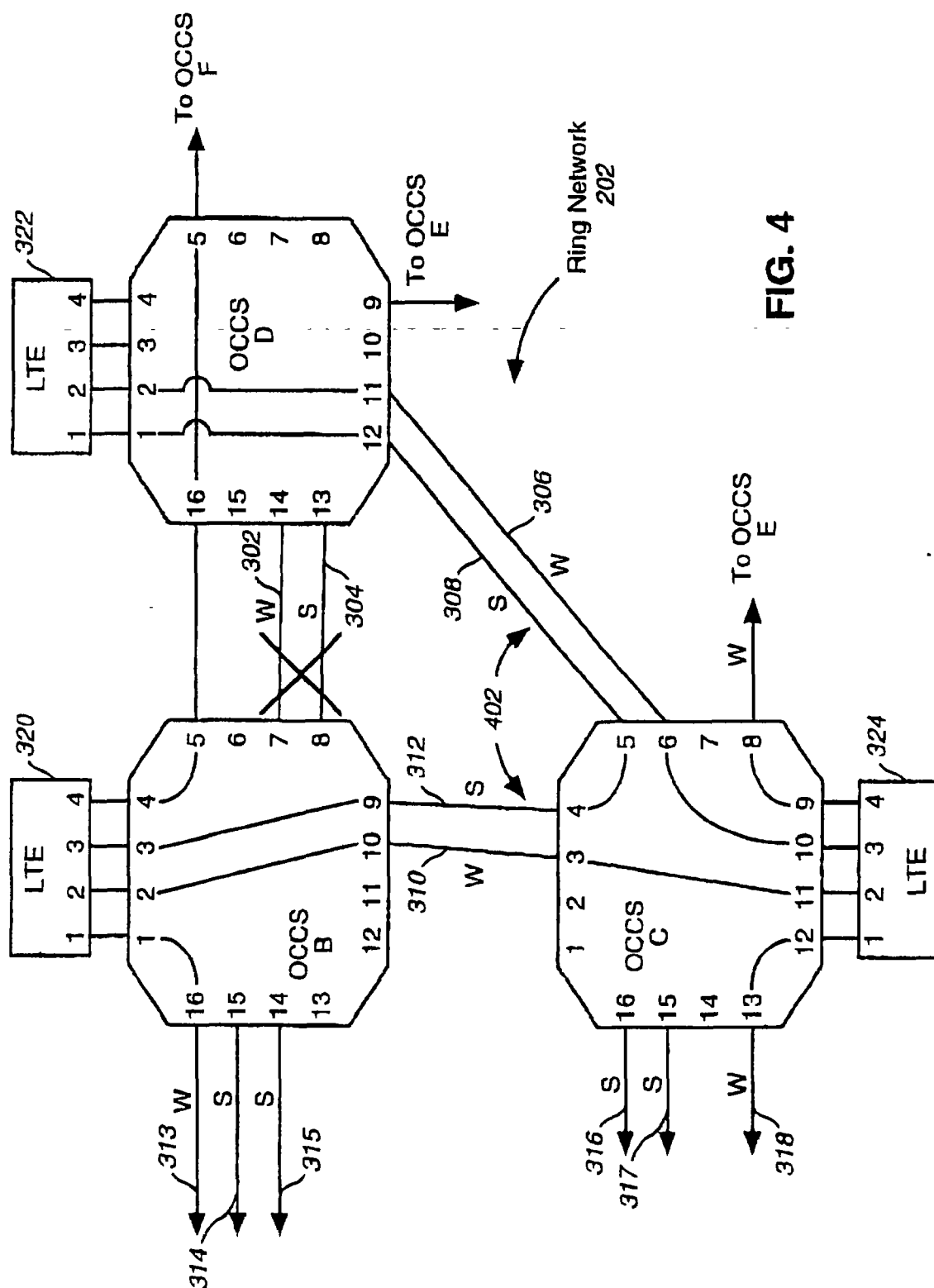


FIG. 4

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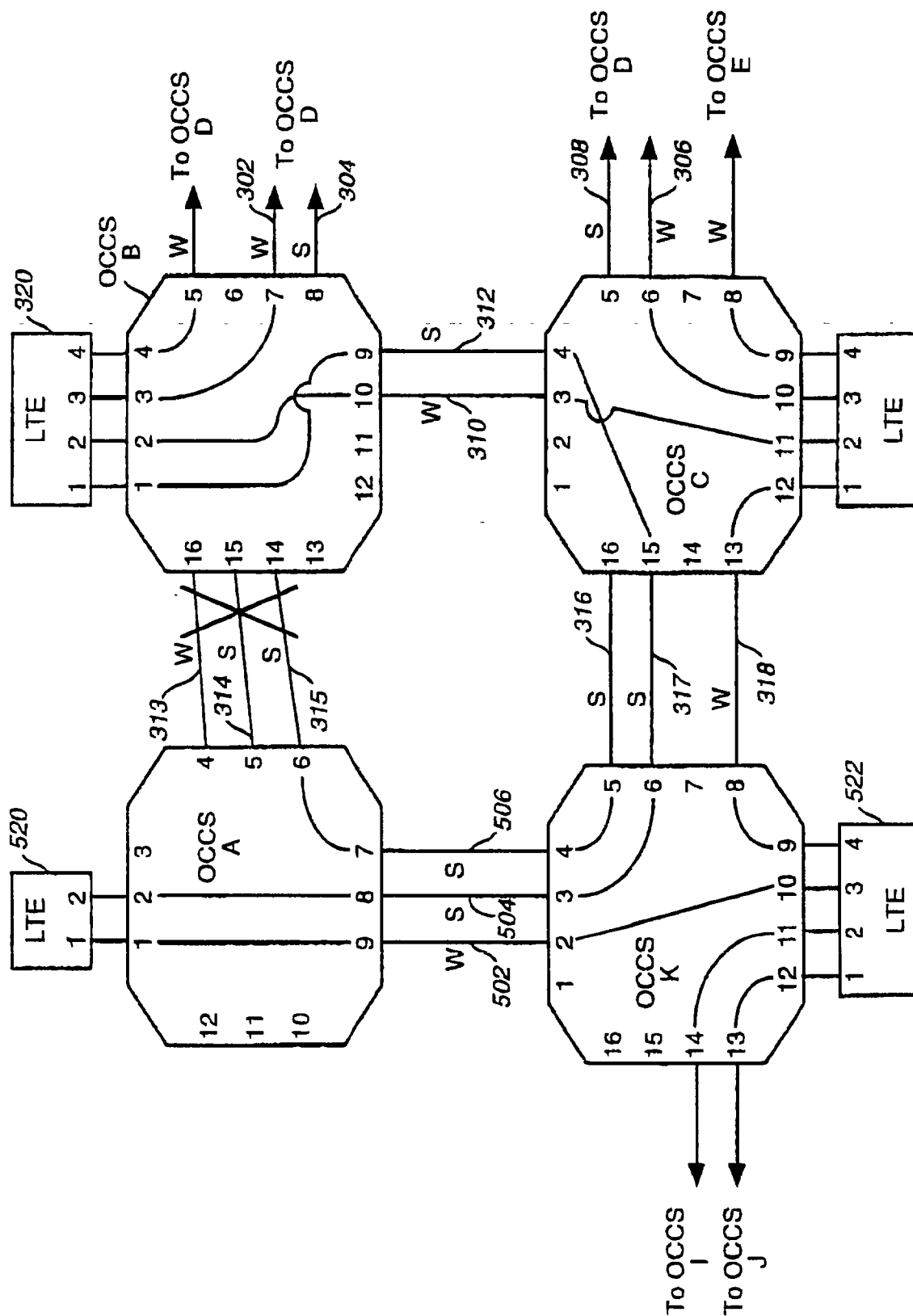


FIG. 5

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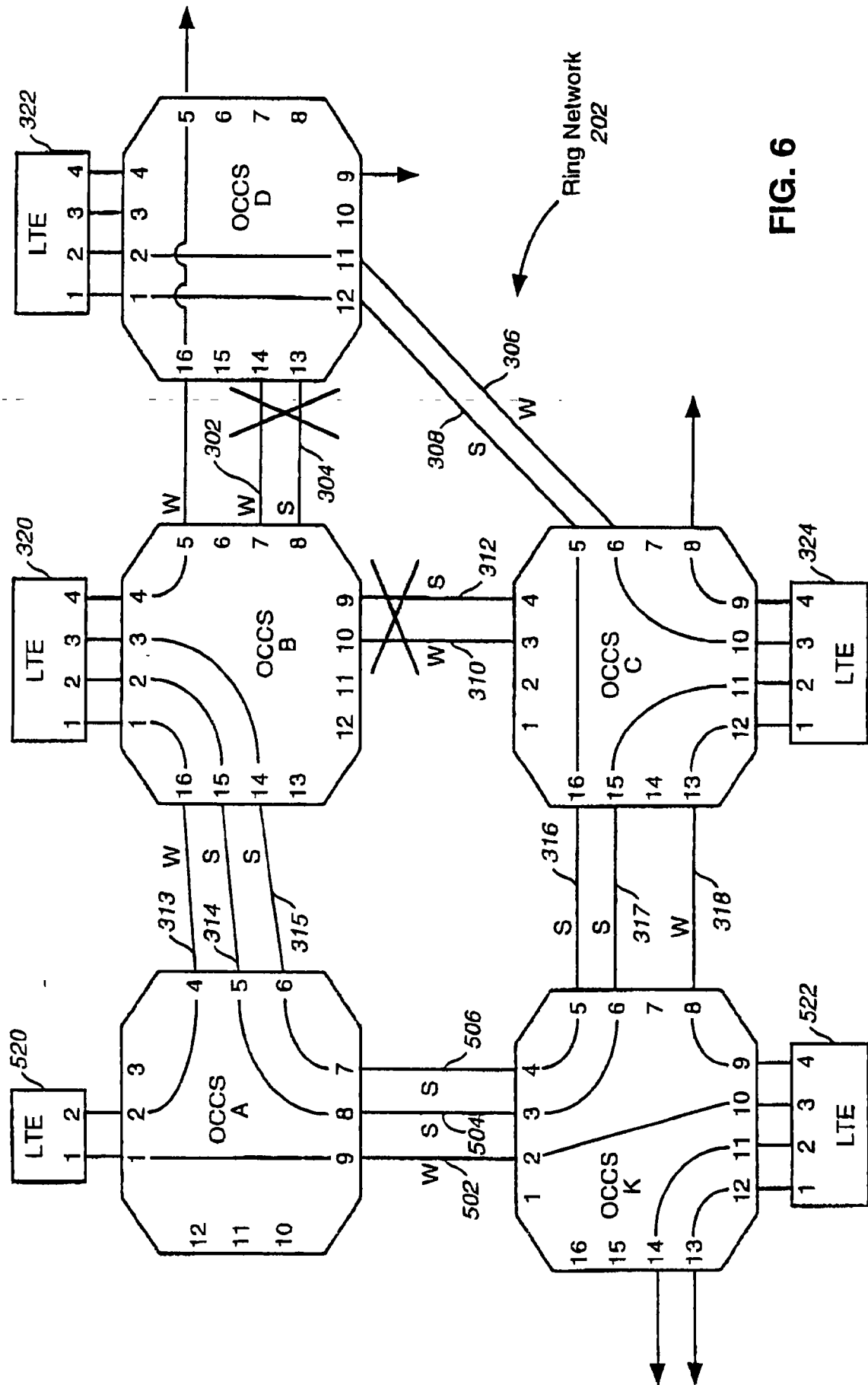


FIG. 6

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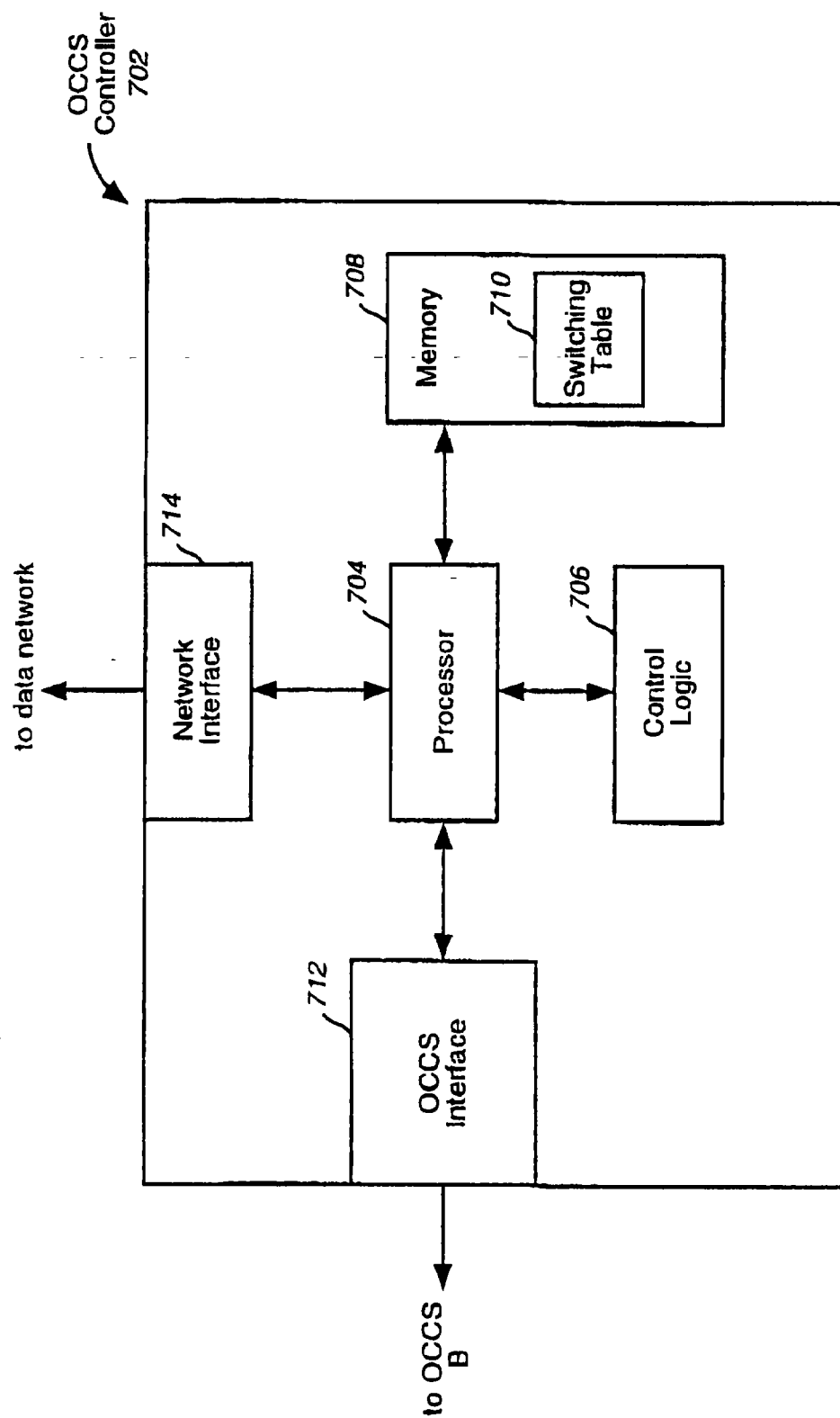


FIG. 7

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Switching Table 710

802

804

806

Event	Action	Comments
Network Initiation	Switch ports: 1-16; 2-10; 3-7; 4-5; and 8-9.	Normal conditions - optical signals are routed through working fibers 301, 302, 310 and 313
B-D span cut	Disconnect ports: 3-7; 8-9 Switch ports: 3-9	Ring failure - route traffic onto spare channels
A-B span cut	If there are no failures in ring network 202, then disconnect ports: 1-16; 8-9 switch ports: 1-9	Mesh failure - route mesh traffic onto ring spare channel only if there isn't a ring failure
• • •	• • •	• • •

FIG. 8

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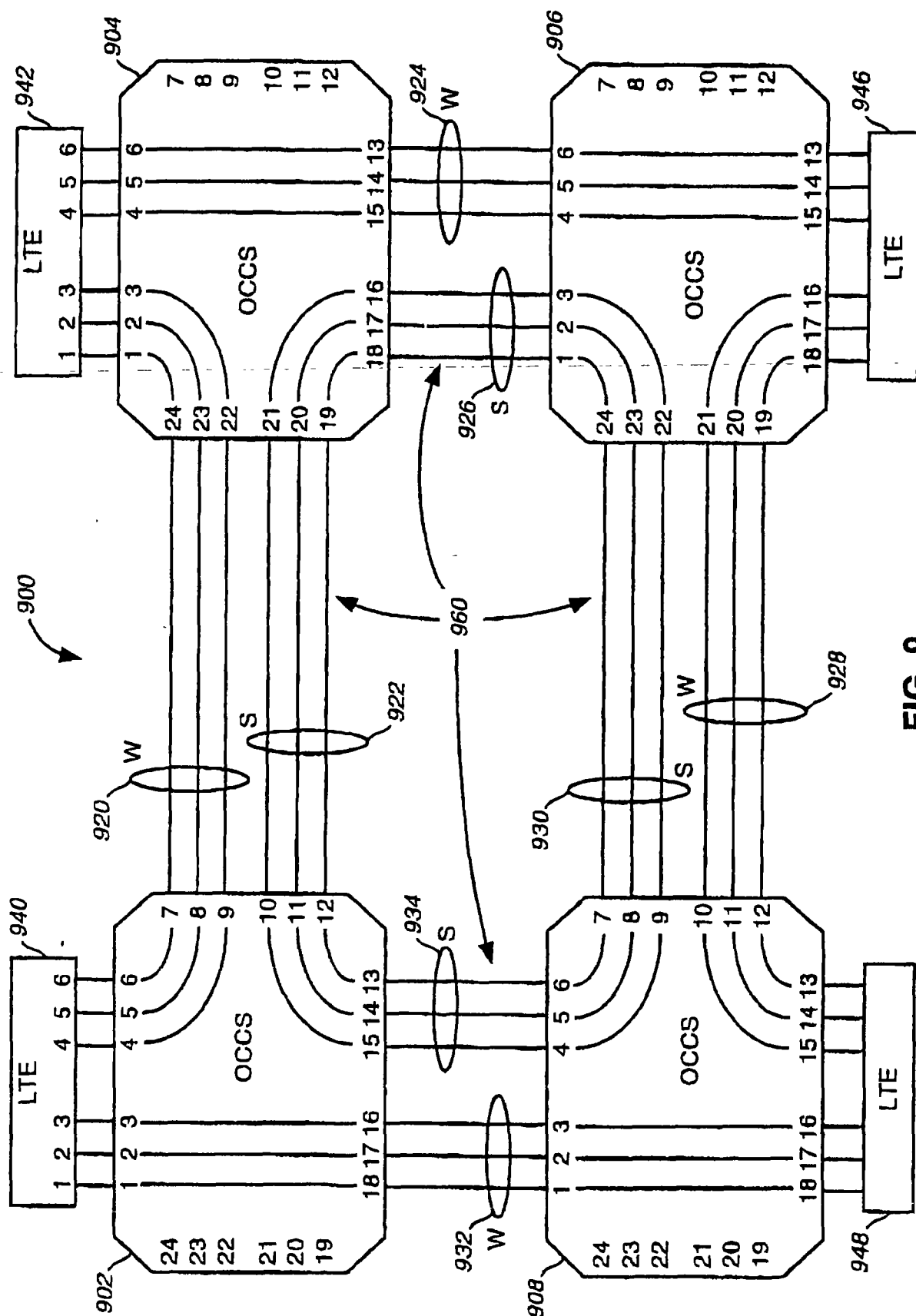


FIG. 9

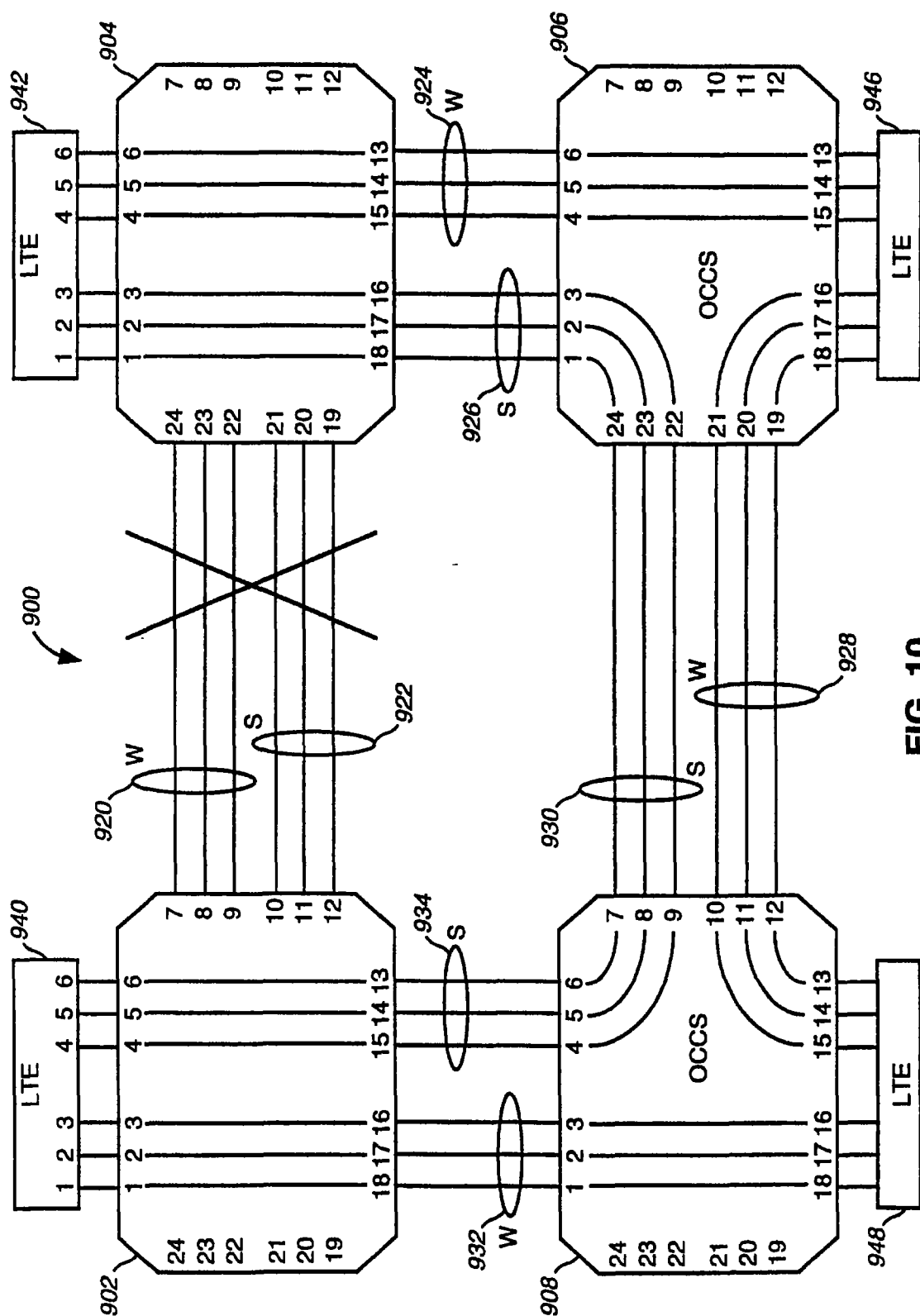


FIG. 10