

Title (en)

MESH NETWORK WITH HIGH RESTORATIVE CAPACITY

Title (de)

MASCHENNETZWERK MIT HOHER WIEDERHERSTELLUNGSFÄHIGKEIT

Title (fr)

RESEAU MAILLE A HAUTE CAPACITE DE RETABLISSEMENT

Publication

EP 0997043 A2 20000503 (EN)

Application

EP 98902388 A 19980105

Priority

- US 9800058 W 19980105
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Abstract (en)

[origin: WO9831159A2] A mesh telecommunications network with improved reliability for transporting information, known as traffic, is presented. The network includes a plurality of nodes interconnected by a plurality of links. Nodes direct the flow of traffic into, out of, and through the network, and links provide the means of traffic transport between nodes. Each pair of connected nodes has a number of links therebetween. Most links provide dedicated traffic transport, while at least one link is a spare link that can be selectively used with other spare links to form alternative traffic paths for restoring traffic that has been disrupted by one or more inoperative working links. Spare links can be pre-connected to form selectable standby alternative traffic paths for substantially immediate alternative traffic transport. Preferably, control of the network is decentralized to enable nodes to more quickly form alternative traffic paths and to reduce the likelihood of network-wide failures.

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IPC 8 full level

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Citation (search report)

See references of WO 9831159A3

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