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Lehr et al.

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(54) **STRUCTURE CABLING SYSTEM**

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(51) **Int. Cl.**[7] **H04B 3/00**

(52) **U.S. Cl.** **455/402**; 713/310; 370/402; 379/402

(58) **Field of Search** 370/274, 353, 370/402, 908, 338; 713/340, 310, 300; 455/402, 41, 572; 379/250, 402, 390.04, 413

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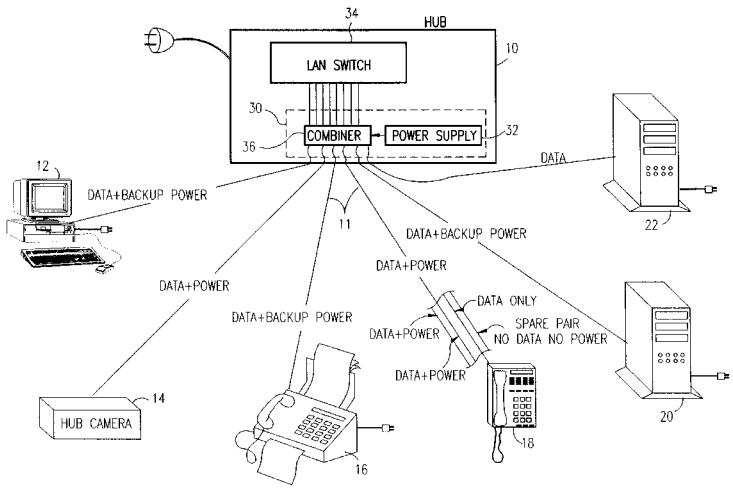
(57) **ABSTRACT**

This invention discloses a local area network including a hub, a plurality of nodes, communication cabling connecting the plurality of nodes to the hub for providing data communication, and a power supply distributor operative to provide at least some operating power to at least some of the plurality of nodes via the communication cabling.

13 Claims, 59 Drawing Sheets