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United States Patent [19] Wincn

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[54] **REVERSIBLE AUI PORT FOR ETHERNET**

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[57] ABSTRACT

Related U.S. Application Data

[63] Continuation of Ser. No. 391,912, Feb. 21, 1995.

[51] Int. Cl.⁶ **H04B 3/00**

[52] U.S. Cl. **375/257; 326/82; 327/108**

[58] Field of Search **375/257; 327/108, 327/109; 370/85.1, 85.3; 326/31, 82; 330/252**

An improved AUI (CI) line driver that implements three modes: an active mode, an idle mode, and a reverse mode. The reverse mode allows use of the AUI line driver cell in a reversible AUI, that is, in an AUI that can be reconfigured for controller mode, or transceiver mode. The controller mode AUI has two AUI receivers and an AUI driver, while the transceiver mode has two AUI drivers and an AUI receiver. Having one driver cell (the CI cell) that can be reversed permits reconfiguring the AUI into either mode.

[56] References Cited

U.S. PATENT DOCUMENTS

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5 Claims, 3 Drawing Sheets

