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# United States Patent [19]

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Wincn et al.

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[54] METHOD AND APPARATUS FOR SQUELCH CIRCUIT IN NETWORK COMMUNICATION

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[21] Appl. No.: 899,083

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### Related U.S. Application Data

[62] Division of Ser. No. 480,426, Feb. 15, 1990, Pat. No. 5,160,960.

[51] Int. Cl.<sup>5</sup> ..... H04B 1/10

[52] U.S. Cl. .... 375/104; 455/218

[58] Field of Search ..... 375/76, 94, 106, 104; 455/218, 223, 303, 304; 307/358; 328/118, 119

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### [57] ABSTRACT

An integrated media attachment unit (MAU) operative for interfacing Digital Terminal Equipment (DTE) on a Local Area Network (LAN) using twisted pair media. The twisted pair function as either a DTE MAU or a repeater MAU. A line driver for the twisted pair differential signal provides a ramped response with low jitter while an improved Attachment Unit Interface (AUI) driver uses CMOS technology and provides simplified End-of-Transmission Delimiter (ETD) control. The twisted pair MAU includes a combined override and status indication of link status and an additional feature to allow automatic polarity reversal of differential signal input lines and polarity status signalling.

7 Claims, 37 Drawing Sheets

