

United States Patent [19]

Biba et al.

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- [54] **MULTIPLE CHANNEL DATA COMMUNICATION SYSTEM**
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Related U.S. Application Data

- [62] Division of Ser. No. 166,384, Jul. 7, 1980, Pat. No. 4,365,331.
- [51] **Int. Cl.³** **H04B 1/38**
- [52] **U.S. Cl.** **375/8; 375/81**
- [58] **Field of Search** **375/8, 9, 82, 95, 81; 179/2 DP; 455/87; 328/109, 135; 329/605, 107; 340/347 DA**

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[57] ABSTRACT

A multiple channel communications system and method for communication among multiple channels using a channel selectable MODEM. The system is comprised of a coaxial cable, a variety of interface units with attached communicating devices and a channel bridge. The interface units include a MODEM and a microprocessor based support element adapted for the attached communicating device. The channel bridge includes two or more MODEMs and a microprocessor based computer for receiving data from one MODEM and transmitting the data on another MODEM.

14 Claims, 16 Drawing Figures

