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[54] **MULTIPLE CHANNEL DATA COMMUNICATION SYSTEM**

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Related U.S. Patent Documents

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[52] **U.S. Cl.** ..... **370/124**; 340/82[7].5; 370/30

[58] **Field of Search** 370/124, 69.1, 71, 72, 370/73, 57, 85, 86, 89, 94, 60, 30; 340/825.5, 825.51; 455/3, 6

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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 [MODEM's] *MODEMs* and a microprocessor based computer for receiving data from one MODEM and transmitting the data on another MODEM.

13 Claims, 12 Drawing Figures