United States Patent [19]

Kudo

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Aug. 12, 1986

[54]	ADJUSTING DATA TRANSMISSION RATE BASED ON RECEIVED SIGNAL QUALITY		
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[21] Appl. No.: 586,509

[22] Filed: Mar. 5, 1984

[30] Foreign Application Priority Data

Ma	ar. 9, 1983 [JP]	Japan	58-37274
			H04J 3/22 375/13; 375/58;
			370/84
[58]	Field of Search	•••••	375/13, 58, 109, 121;

371/5; 370/79, 84; 178/69 A, 69 M

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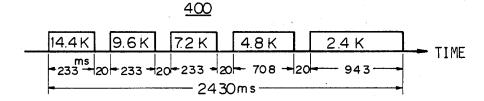
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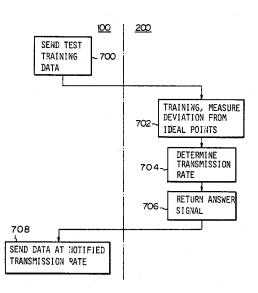
Primary Examiner—Benedict V. Safourek Assistant Examiner—Raymond C. Glenny Attorney, Agent, or Firm—David G. Alexander

57] ABSTRACT

A data transmission control system for allowing remote transceiver stations to transmit data via a telephone line or like analog transmission line through modems. When transmit and receive stations have been interconnected by a call, a training sequence for the modem is executed and, also, a test signal transmission sequence is effected to set up a data transmission rate before delivery of information. When the receive station has received test training data inclusive of a plurality of transmission rates from the transmit station, the function of the modem at the receive station is checked with respect to each of the transmission rates on a signal space diagram, thereby determining whether the receive station is capable of normally receiving data at the transmission rate. Training on the transmission rates which a modem can use is executed satisfying a predetermined protocol and without increasing the protocol time.

9 Claims, 11 Drawing Figures





RPX Exhibit 1040 RPX v. DAE



Fig. 1

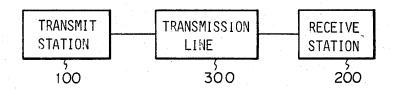
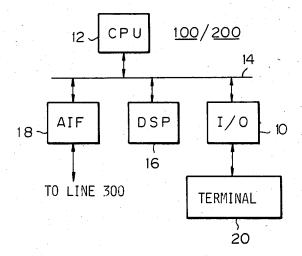


Fig. 2



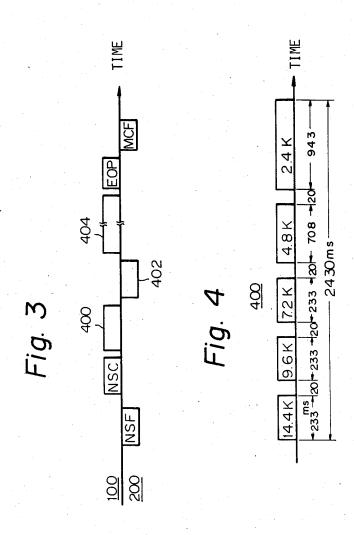


Fig. 5A

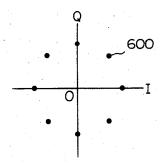
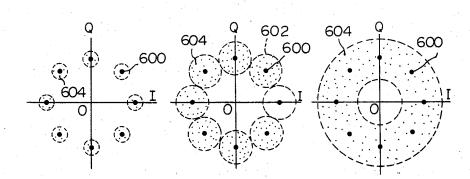
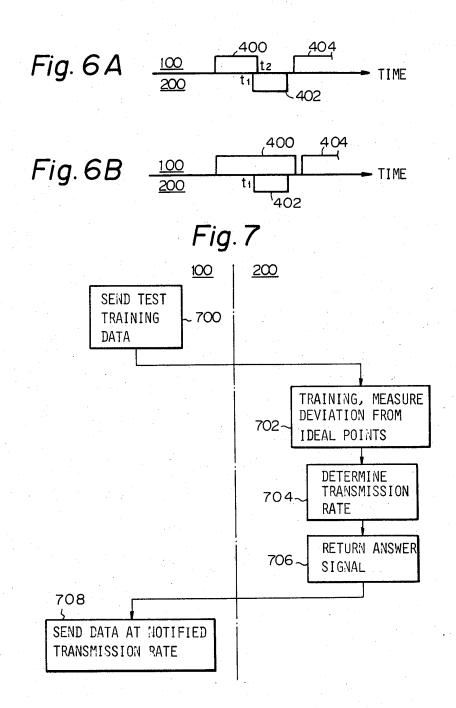


Fig. 5B Fig. 5C Fig. 5D





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