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(71) Applicant (for all designated States except US): MAT-SUSHITA GRAPHIC COMMUNICATION SYSTEMS, INC. [JP/JP]; 2-3-8 Shimomeguro, Meguro-ku, Tokyo 153 (JP).

(72) Inventor; and

(75) Inventor/Applicant (for US only): PALM, Stephen [US/US]; 773 Cascade Dr., Sunnyvale, CA 94087-3157 (US).

(74) Agent: PAPERNER, Leslie, J.; Greenblum & Bernstein, P.L.C., 1941 Roland Clarke Place, Reston, VA 20191 (US).

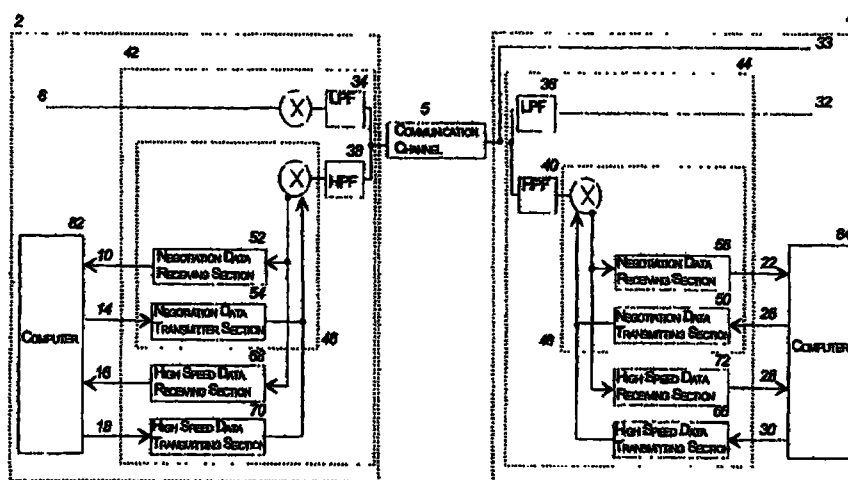
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(54) Title: ACTIVATION OF MULTIPLE xDSL MODEMS WITH POWER CONTROL MEASUREMENT



(57) Abstract

An apparatus and method for determining transmission parameters while initializing a communication link (5). An initiating communication device (4) includes a parameter indicating device (50), a measurement receiving section (72), a parameter receiving device (56), a measurement transmission section (66), and a selecting device. The parameter indicating device (50) transmits first transmission parameters that can be used by a responding communication device (2). In response to the transmitted first transmission parameters, the measurement receiving section (72) receives first signals issued by the responding communication device (2). The parameter receiving device (56) receives second transmission parameters that are issued by the responding communication device (2). The measurement transmission section (66) functions to transmit second signals to the responding communication device (2), in response to the received second transmission parameters. The selecting device transmits power level parameters that can be used by said responding communication device (2) in response to said received second signals.