

COMPOUND TRANSMISSION SYSTEM FOR COMPOUNDING LAN AND OTHER COMMUNICATION CHANNELS

ABSTRACT

A compound transmission system compounds signals from a LAN communication device and other communication devices without any multiplex action. A first LAN communication device is connected to a second LAN communication device through two line pairs (10, 20). A first signal transmission device or exchanger (111) is connected to center taps of windings of transformers (50, 51) on the side of the line pairs to superpose a communication signal from the first signal transmission device on the LAN signal and separate a telephone communication signal from the LAN signal at the center taps. The transformers (50, 51) constitute a first superpose/separate circuit. A second signal transmission device or exchanger terminal (112) is similarly connected to transformers (60, 61) to constitute a second superpose/separate circuit.

Fig. 1