

Title (en)

BIDIRECTIONAL DATA COMMUNICATION SYSTEM.

Title (de)

BIDIREKTIONALES DATENKOMMUNIKATIONSSYSTEM.

Title (fr)

SYSTEME DE COMMUNICATIONS BIDIRECTIONNELLES DE DONNEES.

Publication

EP 0647378 A1 19950412 (EN)

Application

EP 94908595 A 19940127

Priority

- US 9400518 W 19940127
- US 1168593 A 19930201

Abstract (en)

[origin: WO9418765A1] A communication network (10) between various data processing devices (150) is formed as a pair of fiber optic segments (12, 14 and 22, 24) each terminating at an interface (110) which also is tied to the local data processing station. The interface (110) includes terminating receiver-transmitter pairs (52, 62 and 54, 64) at the adjacent ends of the fibers to relay signal in a first direction on one of the fibers and in a second direction on the other fiber. When the local processing station (150) actively enters the communication stream on the network the receivers (52 and 54) of each pair are logically tied to each other as are the transmitters (62 and 64). Thus, relay of all other network signals across the interface (110) is interrupted when the local processing station (150) commences its own communication with the network.

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