

Title (en)
DIGITAL DATA SERVICE (DDS) WITH EXTENDED RANGE

Title (de)
DIGITALER DATENDIENST (DDS) MIT ERWEITERTEM BEREICH

Title (fr)
EXTENSION DU TRANSPORT DE SIGNAUX DDS PAR L'INTERMEDIAIRE D'INSTALLATIONS CHARGEES OU PRECHARGEES

Publication
EP 0920754 A2 19990609 (EN)

Application
EP 98934273 A 19980624

Priority

- US 9813948 W 19980624
- US 88268197 A 19970625

Abstract (en)
[origin: WO9859454A2] A method and apparatus for establishing DDS communication services between a first and second location connected by standard wiring by converting standard DDS signals into two data streams for transmission between two locations using two full-duplex communication channels is provided. The channels are established between two full-duplex communication transceivers at the first location and two full-duplex communication transceivers at the second location. At each location, the received signals are recombined into a single data stream representing DDS communications services that are made available to the channel bank at the service provider location (e.g., a D4 bank) and to the customer's terminal equipment. The transceivers establish communication via modulation formats that utilize the voice frequency band and are therefore capable of operation over longer cable lengths and over loaded cables. The devices at the central office have a network interface, a framer, and two transceivers. The network interface is for connecting the devices to the network. The network interface communicates with the framer. The framer acts as a multiplexer/demultiplexer because it separates the transmit data stream into two separate data streams, one for each transceiver and it receives two data streams from the transceivers and combines them into a single receive data stream that is forwarded to the network interface. The devices at the remote location are similarly configured, except that its interface is adapted for connection to the user's data equipment.

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Citation (search report)
See references of WO 9859454A2

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WO 9859454 A2 19981230; WO 9859454 A3 19990325; WO 9859454 A9 19990506; AU 8383798 A 19990104; EP 0920754 A2 19990609

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