



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ :

H04N 7/10

A1

(11) International Publication Number:

WO 98/54901

(43) International Publication Date:

3 December 1998 (03.12.98)

(21) International Application Number:

PCT/US98/11197

(22) International Filing Date:

1 June 1998 (01.06.98)

(30) Priority Data:

60/047,936	30 May 1997 (30.05.97)	US
60/052,225	11 July 1997 (11.07.97)	US
60/052,301	11 July 1997 (11.07.97)	US
60/056,458	21 August 1997 (21.08.97)	US
08/985,692	12 December 1997 (12.12.97)	US
09/020,978	9 February 1998 (09.02.98)	US
09/047,969	25 March 1998 (25.03.98)	US
09/047,970	25 March 1998 (25.03.98)	US

(71) Applicant: INLINE CONNECTION CORPORATION
[US/US]; 730 North Danville Street, Arlington, VA 22201 (US).

(72) Inventor: GOODMAN, David, D.; Arlington, VA (US).

(74) Agent: WALPERT, Gary, A.; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804 (US).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: TWISTED PAIR COMMUNICATION SYSTEM

(57) Abstract

A communication system for passing information between information services and terminal devices over a twisted wire pair network. The information services include a telephone exchange and other services, such as a data network and a television distribution system. The terminal devices include telephones and other devices, such as computers and televisions. The system includes a main information interface coupled to the information services and a twisted pair wiring network coupled to the terminal devices and to the main information interface. The wiring network includes multiple active telephone pairs for passing voice signals between the telephone exchange and telephones. The information interface includes circuitry for combining on the active telephone pairs (a) telephone signals in a telephone frequency band passing between the telephone exchange and the one or more telephones and (b) high frequency signals in a high band of frequencies higher than those of the telephone frequency band passing information between the other information services and one or more of the terminal devices.

