

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number
WO 2004/002001 A3

(51) International Patent Classification⁷: **H04B 3/00**

(21) International Application Number:
PCT/US2003/018355

(22) International Filing Date: 10 June 2003 (10.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/177,313 21 June 2002 (21.06.2002) US

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

Published:

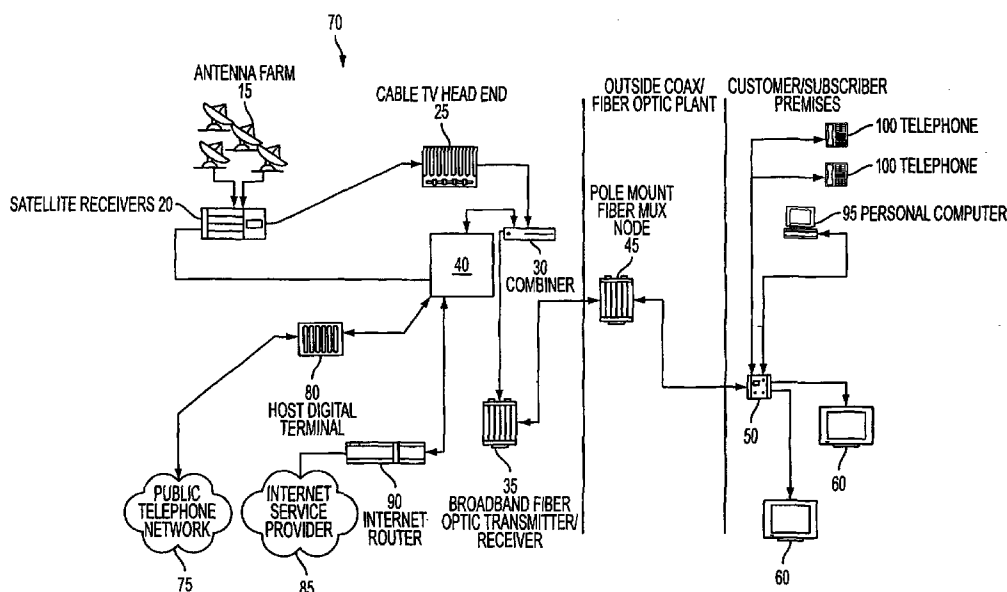
— *with international search report*

(88) Date of publication of the international search report:
25 March 2004

(48) Date of publication of this corrected version:
24 March 2005

[Continued on next page]

(54) Title: **ULTRA-WIDEBAND COMMUNICATION THROUGH A WIRE MEDIUM**



(57) Abstract: A method to increase the available bandwidth across a wired network (70) is provided. The method includes transmitting an ultra-wideband signal across the wired network. One embodiment of the present invention may transmit a multiplicity of ultra-wideband signals through a community access television network. The present invention may transmit an ultra-wideband signal across an optical network (45), a cable television network (25), a community antenna television network, a community access television network, a hybrid fiber-coax network, an Internet service provider network (85), and a PSTN network (75).



(15) Information about Correction:

see PCT Gazette No. 12/2005 of 24 March 2005, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.