

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 March 2003 (06.03.2003)

PCT

(10) International Publication Number
WO 03/019844 A3

(51) International Patent Classification⁷: H04L 12/54

(21) International Application Number: PCT/US02/26941

(22) International Filing Date: 23 August 2002 (23.08.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/939,410 24 August 2001 (24.08.2001) US
10/085,203 27 February 2002 (27.02.2002) 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, HU, 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, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.

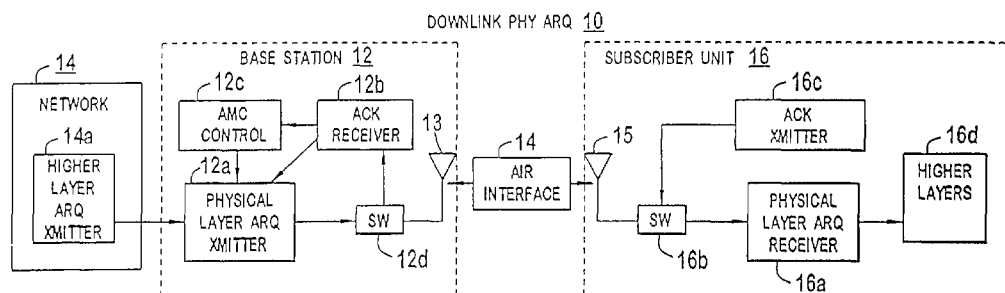
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI,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

Published:
— with international search report

(88) Date of publication of the international search report:
8 May 2003

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.

(54) Title: IMPLEMENTING A PHYSICAL LAYER AUTOMATIC REPEAT REQUEST FOR A SUBSCRIBER UNIT



(57) Abstract: A subscriber unit implementing physical layer automatic repeat request includes a transmitter (12) and a receiver (16). The transmitter has a physical layer transmitter (12a); an acknowledge receiver (12b) for receiving the corresponding acknowledgment; and an adaptive modulation and coding controller (12c) for collecting retransmission statistics and adjusting the particular data encoding/modulation using the collected statistics. The receiver (16) has a physical layer receiver (16a), and an acknowledgment generator (16c) for generating an acknowledgment for each packet if that packet has an acceptable error rate.



WO 03/019844 A3