

(19) World Intellectual Property Organization  
International Bureau



PCT



(43) International Publication Date  
25 September 2008 (25.09.2008)

(10) International Publication Number  
**WO 2008/116121 A1**

(51) International Patent Classification:  
*H04L 1/18* (2006.01)

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(21) International Application Number:  
PCT/US2008/057755

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(22) International Filing Date: 20 March 2008 (20.03.2008)

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/896,034 21 March 2007 (21.03.2007) US  
11/971,842 9 January 2008 (09.01.2008) US

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(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL,

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[Continued on next page]

(54) Title: DETECTION VALIDATION OF A H-ARQ ACKNOWLEDGMENT BY DATA COMBINING AND RE-DECODING

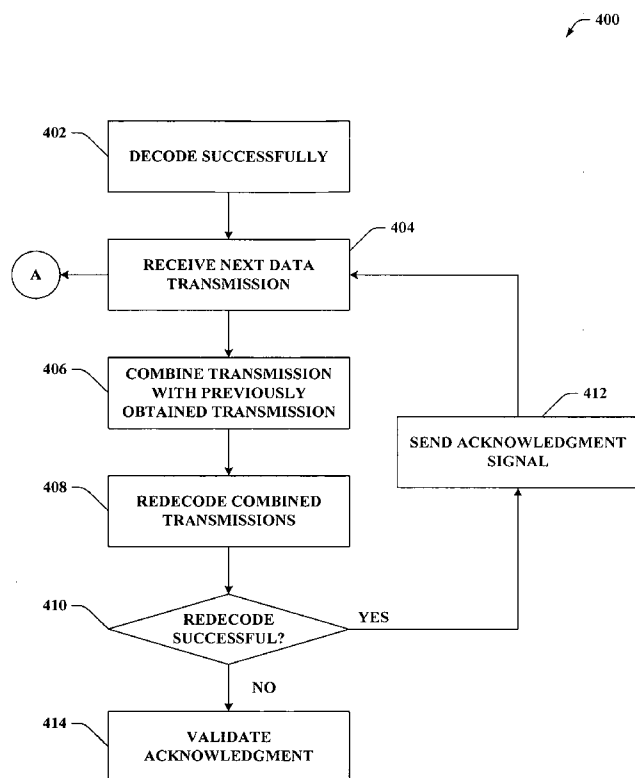


FIG. 4

(57) Abstract: Systems and methodologies are described that facilitate reliably receiving a sequence of data packets in a wireless communications environment. In particular, mechanisms are provided that enhance hybrid automatic repeat request protocols through validation of acknowledgment message detection by re-decoding. A transmitter sends a data packet from a sequence of packets in one or more data transmissions. A receiver acknowledges the data packet upon obtaining sufficient transmissions to decode the packet. The receiver re-decodes a successive data transmission in combination with previously received transmissions to validate if the transmitter detected the acknowledgment.

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NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*