

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 December 2008 (18.12.2008)

PCT

(10) International Publication Number
WO 2008/154655 A3

(51) International Patent Classification:

H04L 1/16 (2006.01) **H04L 29/14** (2006.01)
H04L 1/18 (2006.01)

(21) International Application Number:

PCT/US2008/067010

(22) International Filing Date: 13 June 2008 (13.06.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/943,606 13 June 2007 (13.06.2007) US
12/124,541 21 May 2008 (21.05.2008) US

(71) Applicant (for all designated States except US): **QUALCOMM INCORPORATED** [US/US]; Attn: International IP Administration, 5775 Morehouse Drive, San Diego, California 92121 (US).

(71) Applicant and

(72) Inventor (for all designated States except US): **LIU, Tim T.** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MAHESHWARI, Shailesh** [IN/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **KLINGENBRUNN, Thomas** [DK/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **GANNAMARAJU, Suresh Sharma** [IN/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **GULATI, Vikas** [IN/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **KANAMAR-LAPUDI, Sitaramanjaneyulu** [IN/US]; 5775 Morehouse Drive, San Diego, California 92121 (US).

(74) Agent: **KORDICH, Donald C.**; Attn: International IP Administration, 5775 Morehouse Drive, San Diego, California 92121 (US).

(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,

[Continued on next page]

(54) Title: PROTOCOL DATA UNIT RECOVERY

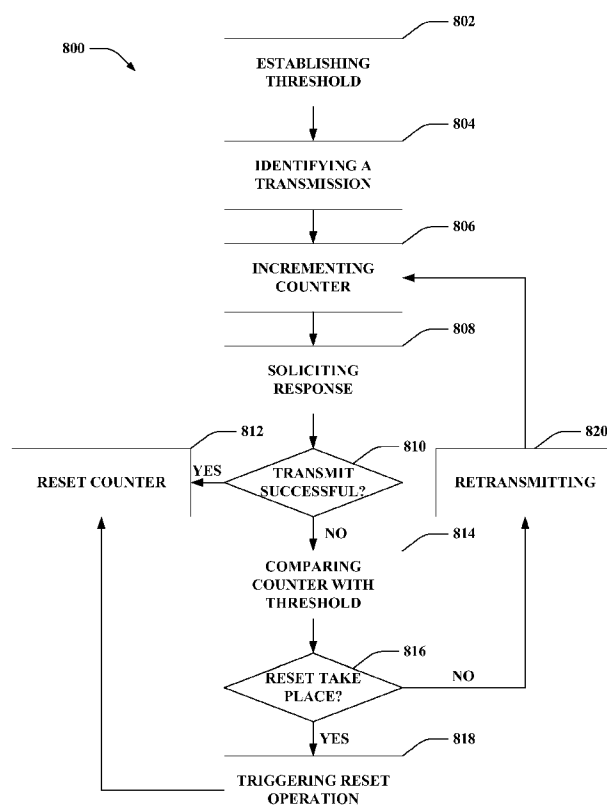


FIG. 8

(57) Abstract: Information can transfer from a transmitter to a receiver; however, the transmission can consume valuable resources. Therefore, a number of times a transmission is attempted can be tracked and compared against a threshold value. If the transmission occurs too many times - based upon the comparison - then a reset can occur. Tracking can occur for a protocol data unit and/or a control protocol data unit to determine if a reset should occur.



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.

(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, 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*

(88) Date of publication of the international search report:

7 May 2009