### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 5 October 2006 (05.10.2006)

PCT

# (10) International Publication Number WO 2006/104341 A3

(51) International Patent Classification:

**H04L 12/26** (2006.01) **H04L 1/08** (2006.01) **H04L 12/56** (2006.01) **H04L 1/16** (2006.01) **H04L 1/16** (2006.01)

(21) International Application Number:

PCT/KR2006/001139

(22) International Filing Date: 29 March 2006 (29.03.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10-2005-0026230 29 March 2005 (29.03.2005) KR

(71) Applicant (for all designated States except US): LG ELECTRONICS INC. [KR/KR]; 20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 (KR).

(72) Inventors; and

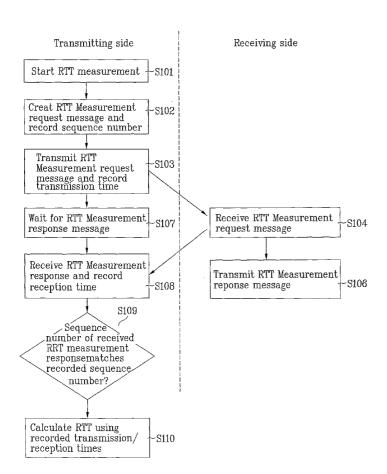
(75) Inventors/Applicants (for US only): CHUN, Sung
Duck [KR/KR]; 601-1007, Saetbyeol Hanyang Apt.,
Daran-dong, Dongan-gu, Anyang-si, Gyeonggi-do

431-719 (KR). **LEE, Young Dae** [KR/KR]; 370-43, Deokpung 2-dong, Hanam-si, Gyeonggi-do 465-012 (KR). **JUNG, Myung Cheul** [KR/KR]; 2/2, 358-36, Sangdo 2-dong, Dongjak-gu, Seoul 156-032 (KR).

- (74) Agents: KIM, Yong In et al.; KBK & Associates, 15th Floor Yo Sam Building, 648-23, Yeoksam-dong Kangnam-gu, Seoul 135-080 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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,

[Continued on next page]

#### (54) Title: METHOD AND APPARATUS OF CONTROLLING TRANSMISSION OF DATA BLOCK



(57) Abstract: A method and apparatus for controlling a transmission of data blocks is provided by which data block transmission can be controlled more efficiently by measuring the RTT and setting a control timer value according to the measured RTT

## WO 2006/104341 A3



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, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, 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 receipt of amendments

## (88) Date of publication of the international search report: 30 November 2006

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.

## INTERNATIONAL SEARCH REPORT

Facsimile No. +43 / 1 / 534 24 / 535

International application No. PCT/KR 2006/001139

PCT/KR 2006/001139 CLASSIFICATION OF SUBJECT MATTER IPC8: H04L 12/26 (2006.01); H04L 12/56 (2006.01); H04L 12/28 (2006.01); H04L 1/08 (2006.01); **H04L 1/16** (2006.01) According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC8: H04L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPODOC, WPI C. DOCUMENTS CONSIDERED TO BE RELEVANT Category\* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X EP 1 450 521 A2 (NEC CORPORATION) 25 August 2004 1-52 (25.08.2004)abstract, paragraphs 3, 14, 20-23, claim 1 EP 1 077 559 A1 (TELEFONAKTIEBOLAGET LM ERICSSON) X 1-52 21 February 2001 (21.02.2001) abstract, paragraphs 3-4, 10-12, claim 1 X US 2002/0027884 A1 (HALME) 7 March 2002 (07.03,2002) 1-52 abstract, paragraphs 7-8, claim 8 Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: later document published after the international filing date or "A" document defining the general state of the art which is not considered priority date and not in conflict with the application but cited to be of particular relevance to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention "E" earlier application or patent but published on or after the international filing date cannot be considered novel or cannot be considered to involve "L" document which may throw doubts on priority claim(s) or which is an inventive step when the document is taken alone cited to establish the publication date of another citation or other document of particular relevance; the claimed invention special reason (as specified) cannot be considered to involve an inventive step when the "O" document referring to an oral disclosure, use, exhibition or other document is combined with one or more other such documents, such combination being obvious to a person means document published prior to the international filing date but later than skilled in the art "&" document member of the same patent family the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 25 September 2006 (25.09.2006) 22 August 2006 (22.08.2006) Authorized officer Name and mailing address of the ISA/AT ENGLISCH M. Austrian Patent Office Dresdner Straße 87, A-1200 Vienna

Telephone No. +43 / 1 / 534 24 / 565

# INTERNATIONAL SEARCH REPORT Information on patent family members

International application No. PCT/KR 2006/001139

Patent document cited in search report			Publication date	Patent family member(s)			Publication date
EP	P A	1077559		DE	т2	60021126Т	2006-05-04
				DE	T2	60015142T	2006-03-09
				DE	T2	60020413T	2006-02-02
				ES	TЗ	2243843T	2005-12-01
				US	A1	2005169180	2005-08-04
				NO	A	20020753	2002-04-09
EP	A2	1450521	2004-08-25	CN	A	1551551	2004-12-01
				US	A1	2004165543	2004-08-26
				JP	A	2004253934	2004-09-09
US	A	20020027884		·		none	