(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 3 May 2007 (03.05.2007)

PCT

(10) International Publication Number WO 2007/050813 A3

- (51) International Patent Classification: *H04O* 7/38 (2006.01)
- (21) International Application Number:

PCT/US2006/041887

- (22) International Filing Date: 27 October 2006 (27.10.2006)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:

60/731,126

27 October 2005 (27.10.2005) US

- (71) Applicant (for all designated States except US): QUAL-COMM Incorporated [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): PRAKASH, Rajat [IN/US]; 8730 Costa Verde Blvd., Apt. 2439, San Diego, California 92122 (US). ULUPINAR, Fatih [US/US]; 17387 Grandee Place, San Diego, California 92128 (US).
- (74) Agents: WADSWORTH, Philip, R. et al.; 5775 Morehouse Drive, San Diego, California 92121 (US).

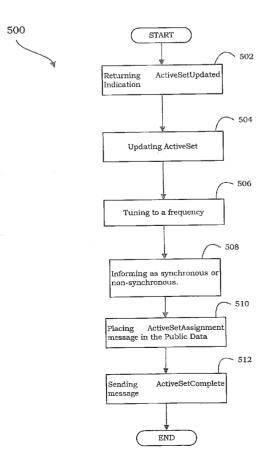
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, 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, 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).

Declarations under Rule 4.17:

 as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: PROCESSING A VALID ACTIVE SET ASSIGNMENT MESSAGE IN A WIRELESS COMMUNICATION SYSTEM



(57) Abstract: A method of processing a valid ActiveSetAssignment (Active Set Assignment) message, the method comprising returning an ActiveSetUpdated (Active Set Updated) indication, updating an Active Set, tuning to a frequency defined by a Channel record, when the record is included in the message, informing a physical layer about the synchronous status of sectors in the ActiveSetAssignment message as synchronous or non synchronous, placing the ActiveSetAssignment message in the public data and sending an ActiveSetComplete (Active Set Complete) message specifying a MessageSequence (Message Sequence) value received in the ActiveSetAssignment message.



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— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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

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

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

International application No PCT/US2006/041887

CLASSIFICATION OF SUBJECT MATTER NV. H04Q7/38 ÎNV. According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) HO4Q HO4J HO4B HO4L 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 practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. P,X TOMCIK J ET AL: "QFDD and QTDD: Proposed 1 - 9Draft Air Interface Specification, chapter 6, Lower MAC Control Sublayer" IEEE C802.20-05/69, XX, XX 28 October 2005 (2005-10-28), pages I-XXXI,1, XP002423447 paragraph 6.6.5.7.5 Α 3RD GENERATION PARTNERSHIP PROJECT 1-9 2-3GPP2: "cdma2000 High Rate Packet Data Air Interface Specification" 3RD GENERATION PARTNERSHIP PROJECT 2 3GPP2, XX, XX, 27 July 2005 (2005-07-27), pages 482-532,1179, XP002423741 paragraph 8.7.6.1.6.6 -/-χ Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or "P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 10 April 2007 17/04/2007 Name and malling address of the ISA/ Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, MORENO-SOLANA, S Fax: (+31-70) 340-3016

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2006/041887

		PC1/US2006/04188/
C(Continua	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
А	EP 1 583 292 A (MATSUSHITA ELECTRIC IND CO LTD [JP]) 5 October 2005 (2005-10-05) paragraphs 0023-0035; paragraphs 0139-0156 figures 6,17,18	1-9
A	EP 1 507 421 A1 (MATSUSHITA ELECTRIC IND CO LTD [JP]) 16 February 2005 (2005-02-16) abstract paragraphs 0034-0037; paragraph 0056; paragraph 0083; paragraphs 0090-0092	1-9
P,A	WO 2006/104726 A (LUCENT TECHNOLOGIES INC [US]) 5 October 2006 (2006-10-05) paragraph 0019; paragraph 0021; paragraphs 0031-0036	1-9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2006/041887

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1583292	A	05-10-2005	WO	2005096560 A1	13-10-2005
EP 1507421	A1	16-02-2005	AT DE WO JP	332061 T 60306519 T2 2005018255 A1 2007502557 T	15-07-2006 09-11-2006 24-02-2005 08-02-2007
WO 2006104726	A	05-10-2006	US	2006223535 A1	05-10-2006

Form PCT/ISA/210 (patent family annex) (April 2005)