

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 May 2007 (18.05.2007)

PCT

(10) International Publication Number
WO 2007/055893 A3

- (51) International Patent Classification:
H04Q 7/20 (2006.01) *H04B 7/00* (2006.01)
- (21) International Application Number:
PCT/US2006/041293
- (22) International Filing Date: 23 October 2006 (23.10.2006)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
11/266,469 3 November 2005 (03.11.2005) US
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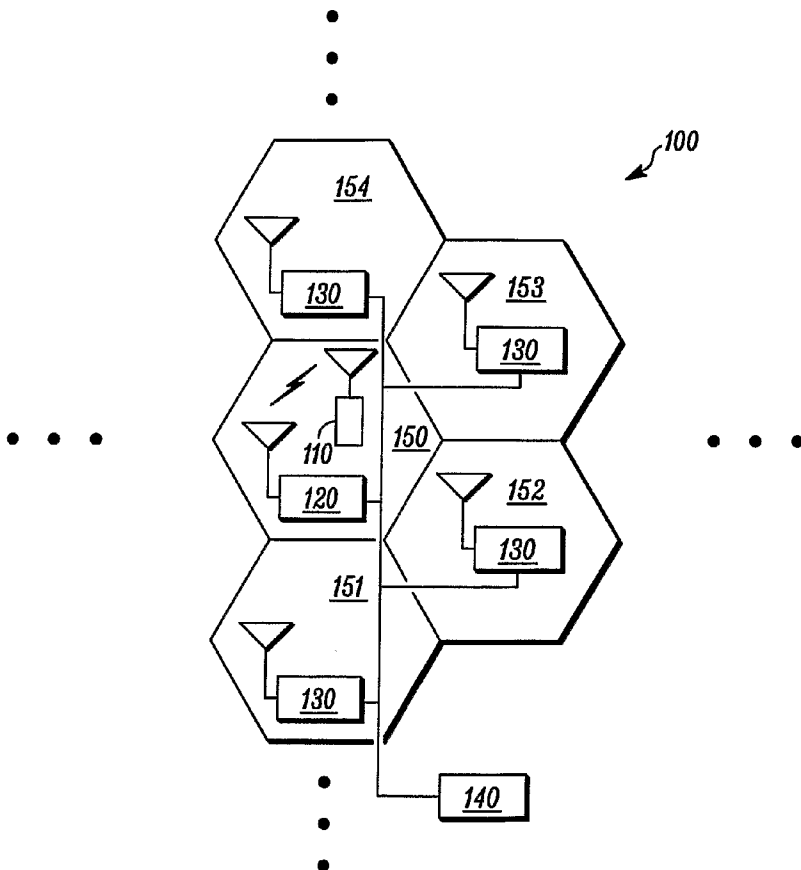
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, 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,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR BASE STATION SYNCHRONIZATION



(57) Abstract: An apparatus and method for monitoring (310) at least one factor relating to a wireless communication system (100) is provided such that a synchronization signal is sent (320) to at least one base transceiver station (130) neighboring a primary base transceiver station (120) at least in part according to a predetermined function of the monitored factor(s). The monitored factor may be any of several factors that weigh on the operation of the wireless communication system. The synchronization signal itself may vary in how it signals to the neighboring base transceiver station(s) (130) to synchronize with the data to be sent to a given mobile station (110) from its primary base transceiver station (120), and the number of synchronization signals sent over a given time may vary according to the predetermined function of the monitored factor(s).

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RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
13 December 2007

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/US 06/41293

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - H04Q 7/20; H04B 7/00 (2007.01) USPC - 455/436 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) USPC: 455/436		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 455/436, 502		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWEST(USPT,PGPB,EPAB,JPAB); Google Scholar Search Terms: base station, synchronize, handoff, handover, peak hour, traffic load, factor, send, transmit, quality		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0177460 A1 (Beasley et al.) 28 November 2002 (28.11.2002), para [0114], [0116], [0117], [0212], [0215], [0225], [0232], [0236]	1-3, 5-7, 9, 10
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Y		4, 8
Y	US 6,112,100 A (Ossolng et al.) 29 August 2000 (29.08.2000), col 4, ln 8-11, ln 31-38	4, 8
A	US 2002/0072381 A1 (Becker et al.) 13 June 2002 (13.06.2002)	1-10
A	US 2004/0082349 A1 (Pinault) 29 April 2004 (29.04.2004)	1-10
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"P"	document published prior to the international filing date but later than the priority date claimed	
Date of the actual completion of the international search 11 August 2007 (11.08.2007)		Date of mailing of the international search report <div style="font-size: 2em; font-weight: bold; text-align: center;">17 OCT 2007</div>
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: <div style="text-align: right;">Lee W. Young</div> PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774