

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
20 November 2003 (20.11.2003)

PCT

(10) International Publication Number
WO 2003/096594 A3

(51) International Patent Classification⁷: H04J 3/02, 3/12, H04Q 7/00, 7/36

(21) International Application Number: PCT/US2003/014442

(22) International Filing Date: 9 May 2003 (09.05.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/379,958 10 May 2002 (10.05.2002) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

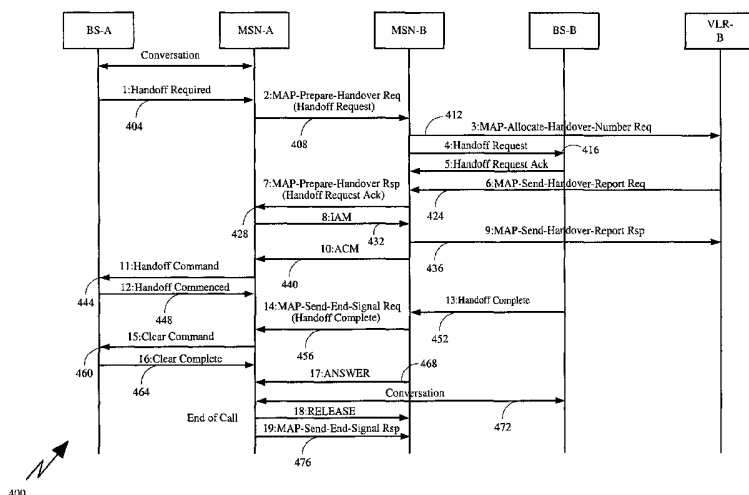
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published: with international search report

(88) Date of publication of the international search report: 11 March 2004

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.

(54) Title: HANDOVER IN A HYBRID COMMUNICATIONS NETWORK



(57) Abstract: An apparatus and method of effecting hand-off of a mobile station (104) in a first wireless communication system, which has a first mobile switching node (204) operable with a first base station (208) and a second mobile switching node (220) operable with a second base station (224), and a second wireless communication system, is claimed. A handoff required message (404) is received at the first mobile switching node (204) and sent (408) to a second mobile switching node (220). A message (412) from the second mobile switching node is sent to request allocation for a handoff. In an embodiment, this message (412) is sent to the VLR of the second wireless communication system. In response, a handoff request acknowledge message (428) is received by the second mobile switching node (220) and sent to the first mobile switching node (204). An initial address message (432) is sent to initiate a circuit connection between the first mobile switching node (204) and the second mobile switching node (220). Then, the call is received from the first mobile switching node (204).

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/14442

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04J 3/02; H04J 3/12; H04Q 7/00; H04Q 7/36
 US CL : 455/ 436, 437-439, 442, 448; 370/ 310, 319-321, 329-331, 340, 351-357

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)
 U.S. : 455/ 436, 437-439, 442, 448; 370/ 310, 319-3201, 329-331, 340, 351-357

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,850,606 (BEDINGFIELD, SR. et al) 15 December 1998 (15.12.1998), Abstract, Column 2 Lines 33-67, Column 4, Lines 24-40, Figs. 2-7.	1-3, 7-9, 13, 19, 25 ----- 4-6, 10-12, 14-18, 20-24, 26-28
Y	US 6,148,197 (BRIDGES et al) 14 November 2000 (14.11.2000), Column 10, Lines 20-51, Figs 1-2A.	4-6, 10-12, 14-18, 20-24, 26-28
Y	US 6,285,880 B1 (GANNON et al) 04 September 2001 (4.09.2001), Column 4, Lines 45-58, Figs. 1, 3.	1, 7, 13, 19, 25
Y	US 6,169,900 B1 (LAURI LATHINEN) 02 January 2001 (2.06.2001), Title, Abstract, Figs 2-3.	1, 7, 13, 19, 25
X	US 5,682,380 (PARK et al) 28 October 1997 (28.10.1997), Title, Abstract, Column 3, Line 43 - Column 4, Line 10, Figs. 1-6	1, 7, 13, 19, 25

Further documents are listed in the continuation of Box C.

See patent family annex.

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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

16 October 2003 (16.10.2003)

Date of mailing of the international search report

01 DEC 2003

Name and mailing address of the ISA/US

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