

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 December 2003 (18.12.2003)

PCT

(10) International Publication Number
WO 2003/105493 A3

(51) International Patent Classification⁷: **H04Q 7/24**

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(21) International Application Number:
PCT/US2003/016962

(22) International Filing Date: 29 May 2003 (29.05.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/386,546 6 June 2002 (06.06.2002) 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, US, 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).

(72) Inventors; and

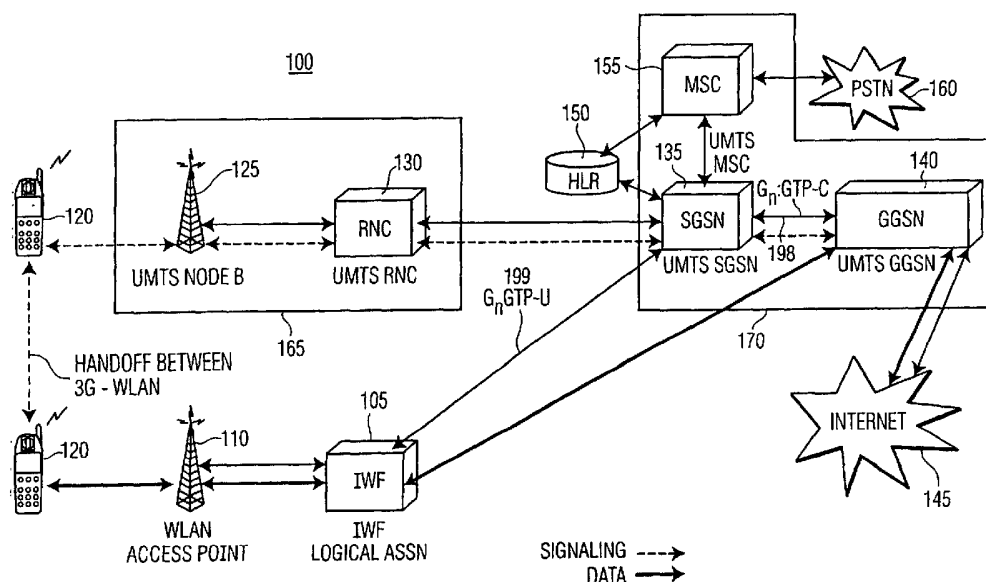
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Published:

— with international search report

[Continued on next page]

(54) Title: WLAN AS A LOGICAL SUPPORT NODE FOR HYBRID COUPLING IN AN INTERWORKING BETWEEN WLAN AND A MOBILE COMMUNICATIONS SYSTEM



(57) Abstract: There is provided a method for supporting an interworking between a (WLAN) (110) and a mobile communications network. The mobile communications network, for example UMTS network (155), has a GPRS Support Node (140) and a Serving GPRS Support Node (135). The interworking is facilitated by an (IWF). The method comprises the steps of establishing (199) at least one GPRS Tunneling Protocol tunnel between the IWF and the GGSN (140) for transferring data signals, and establishing (196) at least one GPRS (Tunneling Protocol) tunnel between the GGSN (140) and the SGSN (135) for transferring control signals.



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

26 February 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.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/16962

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04Q 7/24

US CL : 370/338

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. : 370/338, 349, 352, 353, 354, 355, 356, 400, 401, 409

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)
Please See Continuation Sheet**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	US 6,414,950 B1 (RAI et al.), 02 July 2002, figures 3 and 12	1-22
X, P	US 6,445,922 B1 (HILLER et al.), 03 September 2002, figures 1-2	1-22
A, P	US 6,466,556 B1 (BOUDREAUX), 15 October 2002, figures 1-2	1-22
A, E	US 6,608,832 B2 (FORSLOW), 19 August 2003, figures 2 and 4	1-22



Further documents are listed in the continuation of Box C.



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Date of the actual completion of the international search

05 September 2003 (05.09.2003)

Date of mailing of the international search report

03 DEC 2003

Name and mailing address of the ISA/US

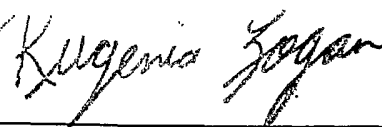
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Authorized officer

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INTERNATIONAL SEARCH REPORT

PCT/US03/16962

Continuation of B. FIELDS SEARCHED Item 3:

USPAT

search terms: IWF tunnel WLAN mobile