

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
31 July 2008 (31.07.2008)

PCT

(10) International Publication Number
WO 2008/091823 A3(51) International Patent Classification:
H04L 29/06 (2006.01)

(74) Agent: BACHAND, Richard, A.; 5775 Morehouse Drive, San Diego, CA 92121 (US).

(21) International Application Number:
PCT/US2008/051580

(22) International Filing Date: 21 January 2008 (21.01.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/885,982 22 January 2007 (22.01.2007) US
12/015,432 16 January 2008 (16.01.2008) US

(71) Applicant (for all designated States except US): QUALCOMM INCORPORATED [US/US]; Attn: International IP Administration, 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, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, 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, LY, MA, MD, ME, 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

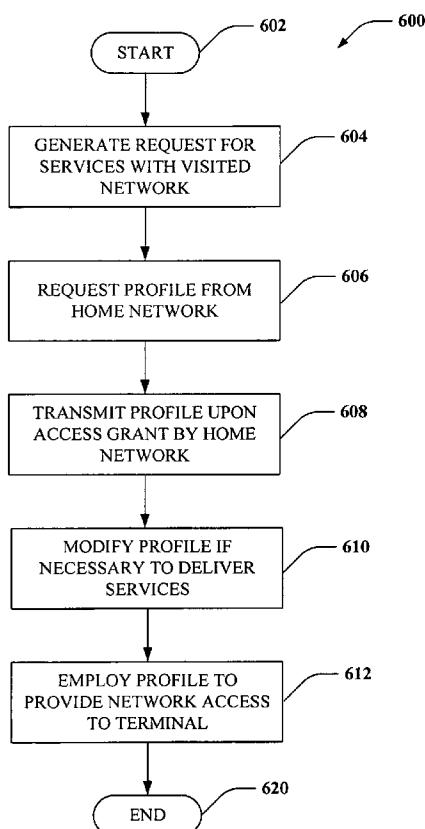
(72) Inventor; and

(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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(75) Inventor/Applicant (for US only): TSIRTSIS, George [GB/GB]; 5775 Morehouse Drive, San Diego, California 92121 (US).

[Continued on next page]

(54) Title: MULTI-LINK SUPPORT FOR NETWORK BASED MOBILITY MANAGEMENT SYSTEMS



(57) Abstract: The claimed subject matter relates to systems and methods for processing messages in a wireless communications environment. In an aspect, a communications method is provided. The method includes establishing a communications link through an access component with a network domain node and enabling at least one other communications link through at least one other access component with the network domain node. This also includes enabling concurrent communications with the network domain node via the access component or the other access component.

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(H))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(Hi))*

- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

Published:

- *with international search report*

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

12 September 2008

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2008/051580

A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L29/06

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)
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 practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	<p>FIKOURAS A UDUGAMA K KULADINITHI C GOERG COMNETS-IKOM N A ET AL: "Filters for Mobile IPv4 Bindings (NOMADv4); draft-nomad-mobi leip-fil ers-05 .txt" IETF STANDARD-WORKING-DRAFT, INTERNET ENGINEERING TASK FORCE, IETF, CH, no. 5, 1 October 2003 (2003-10-01), XP015033272 ISSN: 0000-0004 abstract page 4, paragraph 3 page 6, paragraph 3 page 7, paragraph 2-8 page 8, paragraph 6</p> <p>-----</p> <p style="text-align: center;">-/-</p>	1-35

Further documents are listed in the continuation of Box C

See patent family annex

* Special categories of cited documents

'A1' document defining the general state of the art which is not considered to be of particular relevance

'E' earlier document but published on or after the international filing date

'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)

'O' document referring to an oral disclosure, use, exhibition or other means

'P' document published prior to the international filing date but later than the priority date claimed

'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 invention

'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

'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 documents, such combination being obvious to a person skilled in the art

'&' document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

2 July 2008

15/07/2008

Name and mailing address of the ISA/

European Patent Office, P B 5818 Patentlaan 2
NL - 2280 HV RISWIJK
Tel (+31-70) 340-2040, Tx 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Blanco Cardona, P

INTERNATIONAL SEARCH REPORTInternational application No
PCT/US2008/051580

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category'	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>GOMEZ SKARMETA, A.: "Initial evaluation of state of the art Mobile IPv6 alternatives" [Online] 22 December 2006 (2006-12-22), XP002486642 Retrieved from the Internet: URL :http://www.ist-enable.org/open-enable_pu_d5_1_v2_1.pdf > page 11; tables 2-1 page 72, paragraph 3 - page 73, paragraph 1</p> <p>-----</p>	1,14,17, 18,21, 22,32-35