(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 January 2008 (10.01.2008)

PCT

(10) International Publication Number
WO 2008/004147 A3

(51) International Patent Classification:
H04L 29/06 (2006.01)

(21) International Application Number:
PCT/IB2007/052312

(22) International Filing Date: 16 June 2007 (16.06.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/477,638 30 June 2006 (30.06.2006) US

(71) Applicant *(for all designated States except US)*: **TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)** [SE/SE]; S-164 83 Stockholm (SE).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **FOTI, George** [CA/CA]; 163 Mozart, Dollard Des Ormeaux, Québec H9G 2Z8 (CA).

(74) Agent: **NICOLAESCU, Alex**; 8400 Decarie Boulevard, Town Mount Royal, Québec H4P 2N2 (CA).

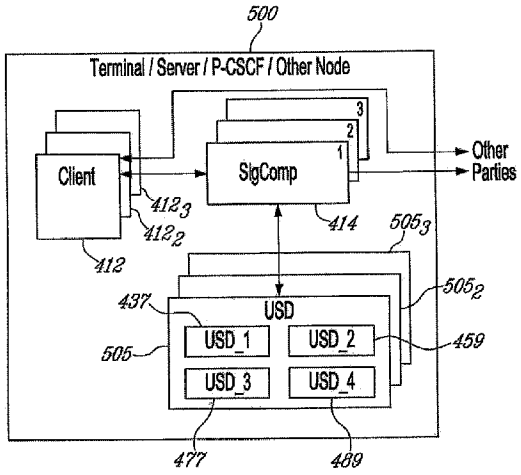
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, 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.

(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, MT, 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).

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*

(88) Date of publication of the international search report:
6 March 2008

(54) Title: METHOD AND COMMUNICATIONS NODE FOR CREATION AND TRANSMISSION OF USER SPECIFIC DICTIONARY FOR COMPRESSION AND DECOMPRESSION OF MESSAGES



(57) Abstract: A method for exchanging compression/decompression dictionaries, and a communications node, which comprises a client module issuing and receiving messages, a compression/decompression module for compression/decompression of messages issued and received by the client module, a first dictionary for use by the compression/decompression module, and a second dictionary for use by the compression/decompression module. When the client module determines a sequence based on which to exchange dictionaries with one or more peers (e.g. a P-CSCF), it creates the first dictionary comprising at least one prioritised type of message and sends the first dictionary to the compression/decompression module, which stores the first dictionary and further sends it to at least the peer node. Still based on said determined sequence, the client module further creates the second dictionary comprising at least one other type of message, sends the second dictionary to the compression/decompression module which stores it and further sends to a peer node.

WO 2008/004147 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2007/052312

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, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 2007/069944 A (ERICSSON TELEFON AB L M [SE]; CRISTOFFERSSON JAN [SE]; HANNU HANS [SE]) 21 June 2007 (2007-06-21) page 14, line 1 - page 16, line 25; figures 5,6	1-18
X	WO 2004/088850 A (ERICSSON TELEFON AB L M [SE]; HANNU HANS [SE]; CHRISTOFFERSSON JAN [SE]) 14 October 2004 (2004-10-14) page 18, line 10 - page 19, line 22	1-3, 5-12, 14-18
Y	page 22, line 5 - page 25, line 26; figures 7,9	4,13

-/--

[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

* Special categories of cited documents :

"A" 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
14 December 2007	21/12/2007

Name and mailing 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, Fax: (+31-70) 340-3016	KARAVASSILIS, N

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2007/052312

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PRICE SIEMENS/ROKE MANOR C BORMANN TZI/UNI BREMEN J CHRISTOFFERSSON H HANNU ERICSSON Z LIU NOKIA J ROSENBERG DYNAMICSOFT R: "Signaling Compression (SigComp); rfc3320.txt;" IETF STANDARD, INTERNET ENGINEERING TASK FORCE, IETF, CH, January 2003 (2003-01), XP015009190 ISSN: 0000-0003	4,13
A	page 22, line 1 - line 24 page 52, line 21 - line 44	1-3, 5-12, 14-18
A	US 2002/057715 A1 (HANNU HANS [SE] ET AL) 16 May 2002 (2002-05-16) page 3, paragraph 31 - page 4, paragraph 36	1-18

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2007/052312

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2007069944 A	21-06-2007	NONE	
WO 2004088850 A	14-10-2004	CN 1833366 A	13-09-2006
		EP 1614220 A1	11-01-2006
		US 2006270418 A1	30-11-2006
US 2002057715 A1	16-05-2002	NONE	