

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
20 September 2007 (20.09.2007)

PCT

(10) International Publication Number  
**WO 2007/105074 A3**

(51) International Patent Classification:

**H04L 12/58** (2006.01) **H04Q 7/22** (2006.01)  
**H04L 29/06** (2006.01)

(21) International Application Number:

PCT/IB2007/000604

(22) International Filing Date: 13 March 2007 (13.03.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/781,771 13 March 2006 (13.03.2006) US

(71) Applicants (for all designated States except US): **NOKIA CORPORATION** [FI/FI]; Keilalahdentie 4, FIN-02150 ESPOO (FI). **NOKIA, INC.** [US/US]; 6000 Connection Drive, Irving, TX 75039 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HARUNA, Adamu** [GH/GH]; P.O. Box 12041 Accra North, Ghana (GH). **LEPPISAARI, Arto** [FI/FI]; Puusepantie 4, FIN-36200 Kangasala (FI).

(74) Agent: **ALBERT, G., Peter, Jr.**; Foley & Lardner LLP, 11250 El Camino Real, Suite 200, San Diego, CA 92127 (US).

(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, 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, 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:

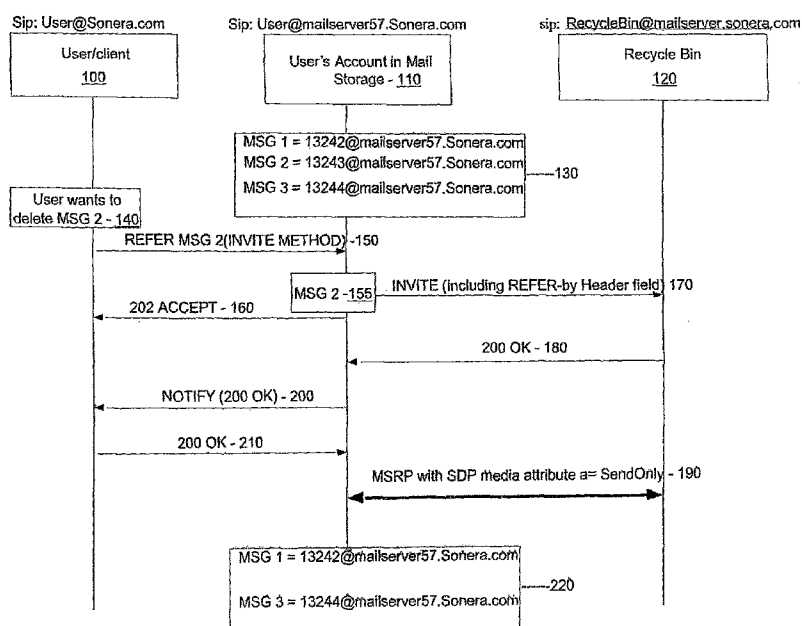
— with international search report

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

17 January 2008

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: DELETING MECHANISM IN SIP MULTIMEDIA SERVICES



(57) Abstract: A method of deleting an item from a user account in a SIP multimedia environment. When an item such as an instant message is to be deleted, a SIP REFER message is transmitted from a user device to delete the item from the user account, with the message including a unique identifier for the item. In response to the transmitted request, an SIP INVITE session is established between a virtual agent and a network-based deleted items location. After the SIP INVITE session is established, the item is transferred from the user account to the network-based deleted items location and is deleted from the user account.

WO 2007/105074 A3

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2007/000604

## A. CLASSIFICATION OF SUBJECT MATTER

IPC: see extra sheet

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)

IPC: H04L, H04Q, H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC, INTERNET

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	"OMA-TS-IM_SIMPLE", Draft Version 1.0, Open Mobile Alliance (OMA), 19.01.2006, retrieved from the Internet: <a href="http://member.openmobilealliance.org/ftp/public_documents/mwg/IM/Permanent_documents/">http://member.openmobilealliance.org/ftp/public_documents/mwg/IM/Permanent_documents/</a> See sections 4.1 - 4.3 and 6.1.5 --	1-27
A	CAMPBELL, B ET AL: "Session Initiation Protocol (SIP) Extension for Instant Messaging", RFC 3428, December 2002. See section 3 and abstract --	1-27
A	EP 1372316 A1 (SIEMENS INFORMATION AND COMMUNICATION NETWORKS INC), 17 December 2003 (17.12.2003), paragraphs 5-10, 13, abstract --	1-27

☒ Further documents are listed in the continuation of Box C.
 ☒ 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 application or patent 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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

23 October 2007

Date of mailing of the international search report

25-10-2007

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Ralf Boström /LR

Telephone No. +46 8 782 25 00

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2007/000604

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2005121991 A2 (MATSUSHITA ELECTRIC IND CO, LTD), 22 December 2005 (22.12.2005), paragraphs 3-6, abstract  --	1-27
A	US 20050055416 A1 (HEIKES, B D ET AL), 10 March 2005 (10.03.2005), paragraphs 4-8, abstract  --	1-27
P,X	ADAMU HARUNA: "Deleting Stored Messages", Change Request, 4 April, 2006, retrieved from the Internet: <a href="http://member.openmobilealliance.org/ftp/public_documents/mwg/IM/2006/">http://member.openmobilealliance.org/ftp/ public_documents/mwg/IM/2006/</a> See chapter 6  -- -----	1-27

INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB2007/000604

**International patent classification (IPC)**

**H04L 12/58** (2006.01)

**H04L 29/06** (2006.01)

**H04Q 7/22** (2006.01)

**Download your patent documents at [www.prv.se](http://www.prv.se)**

The cited patent documents can be downloaded at [www.prv.se](http://www.prv.se) by following the links:

- In English/Searches and advisory services/Cited documents (service in English) or
- e-tjänster/anförda dokument (service in Swedish).

Use the application number as username.

The password is **CYQZBINYHI**.

Paper copies can be ordered at a cost of 50 SEK per copy from PRV InterPat (telephone number 08-782 28 85).

Cited literature, if any, will be enclosed in paper form.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

01/09/2007

International application No.

PCT/IB2007/000604

EP	1372316	A1	17/12/2003	DE	60313531 D,T	20/09/2007
				US	20030229722 A	11/12/2003
-----						
WO	2005121991	A2	22/12/2005	US	20060036689 A	16/02/2006
-----						
US	20050055416	A1	10/03/2005	WO	2005010709 A	03/02/2005
-----						