

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 April 2004 (08.04.2004)

PCT

(10) International Publication Number
WO 2004/030384 A3

(51) International Patent Classification⁷: H04L 12/58, 12/58

HAIGH, David, M.; 9099 W. Riverside Drive East, Unit 310, Windsor, Ontario N8S 4P9 (CA).

(21) International Application Number: PCT/CA2003/001458

(74) Agent: BORDEN LADNER GERVAIS LLP; 1100-100 Queen Street, Ottawa, Ontario K1P 1J9 (CA).

(22) International Filing Date: 24 September 2003 (24.09.2003)

(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, 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.

(25) Filing Language: English

(26) Publication Language: English

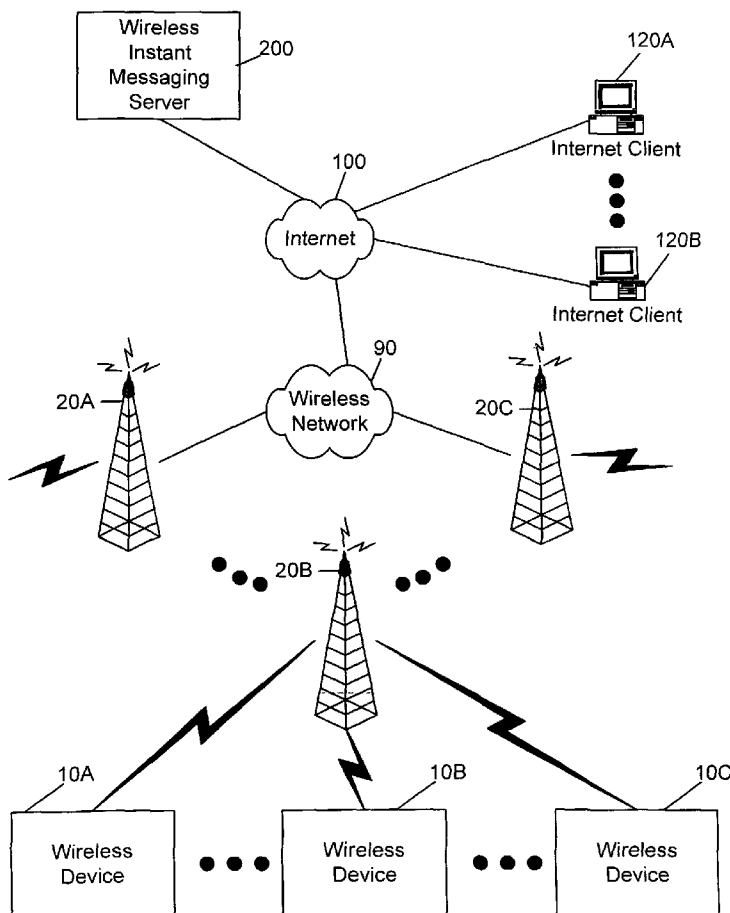
(30) Priority Data: 60/412,818 24 September 2002 (24.09.2002) US

(71) Applicant: RESEARCH IN MOTION LIMITED [CA/CA]; 295 Phillip Street, Waterloo, Ontario N2L 3W8 (CA).

(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, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: SYSTEM AND METHOD OF WIRELESS INSTANT MESSAGING



(57) Abstract: A system and method of instant messaging is provided. A plurality of messaging clients capable of transmitting instant messages to one another are each configured to share presence information with one another via a network. A determination is made, with respect to each of the messaging clients, as to whether the messaging client is in a state in which it is receptive to receiving presence information from the other messaging clients, and if so, then the presence information is provided to the messaging client. The presence information may be provided directly between the messaging clients, or it may be provided through one or more centralized proxy servers that store and propagate the presence information. A special state is provided, referred to herein as the unknown state, which when entered by a particular messaging client will cause the system to cease further transmissions of presence information to that client and/or transmissions about that client. Upon changing to a communicative state, the system resumes providing presence information to/about the messaging client.

WO 2004/030384 A3



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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.

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:

12 August 2004

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 03/01458

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04L12/58 H04L12/58

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 7 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, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/065250 A (INVERTIX CORP) 22 August 2002 (2002-08-22) paragraph '0019! paragraph '0036! paragraph '0042! paragraph '0048! - paragraph '0051! page 28 - page 29; table 5 paragraph '0013!	1-24
A	----- WO 01/45368 A (NORTEL NETWORKS LTD ; PARSONS ERIC W (CA); ARMSTRONG STEVEN M (CA); ST) 21 June 2001 (2001-06-21) page 7, line 1 - line 20 page 11, line 18 - line 21 page 15, line 18 - line 27 page 16, line 12 - line 23 page 20, line 18 - page 21, line 23 page 22, line 9 - line 14 page 25, line 24 - page 26, line 3 -----	1-24

Further documents are listed in the continuation of box C.

Patent family members are listed in 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

29 June 2004

Date of mailing of the international search report

05/07/2004

Name and mailing address of the ISA

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

Authorized officer

Ngao, Y.S.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 03/01458

Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
WO 02065250	A	22-08-2002	US 2002035605 A1	21-03-2002
			WO 02065736 A2	22-08-2002
			WO 02065250 A2	22-08-2002
			US 2002151313 A1	17-10-2002
WO 0145368	A	21-06-2001	AU 1714901 A	25-06-2001
			CA 2393574 A1	27-06-2001
			EP 1240757 A2	18-09-2002
			WO 0145368 A2	21-06-2001
			JP 2003517781 T	27-05-2003