

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 April 2007 (26.04.2007)

PCT

(10) International Publication Number
WO 2007/045069 A1

(51) International Patent Classification:
H04L 12/56 (2006.01) *H04L 29/06* (2006.01)
H04L 29/02 (2006.01)

(21) International Application Number:
PCT/CA2006/000704

(22) International Filing Date: 2 May 2006 (02.05.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/728,741 21 October 2005 (21.10.2005) US

(71) Applicant (for all designated States except US): **RESEARCH IN MOTION LIMITED** [CA/CA]; 295 Phillip Street, Waterloo, Ontario N2L 3W8 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KLASSEN, Gerhard, Dietrich** [CA/CA]; 510 Heatherhill Place, Waterloo, Ontario N2T 1H7 (CA). **WORMALD, Christopher, R.** [CA/CA]; 215 Hawkswood Drive, Kitchener, Ontario N2K 4J2 (CA). **MANOLESCU, Andreea** [CA/CA]; 36 Chipping Road, Toronto, Ontario M3B 1L1 (CA).

(74) Agent: **GOWLING LAFLEUR HENDERSON LLP**;
Suite 1600, 1 First Canadian Place, 100 King Street,
Toronto, Ontario M5X 1G5 (CA).

(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, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, 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).

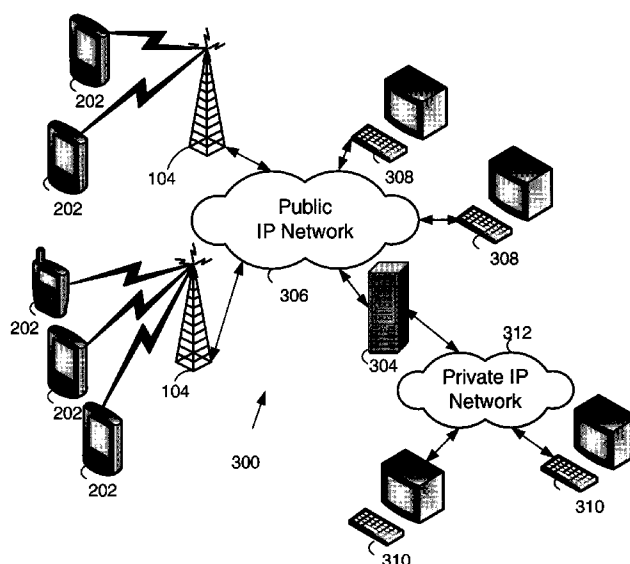
Published:

— with international search report

— with amended claims

[Continued on next page]

(54) Title: INSTANT MESSAGING DEVICE/SERVER PROTOCOL



(57) Abstract: A generic IM device/server protocol permits a single implementation of a IM application on client devices for communicating with different enterprise IM servers types. The protocol defines a server maintained tag to identify the currency of a contact list it is managing for a client device. The client device receives and persists the tag and provides it at login. The server automatically sends a contact list update only if the tag indicates the client devices contact list instance is not current. Presence updates may also be sent automatically at login and the client device need not separately request contact list or presence updates at login. The client device may be pre- provisioned with respective graphics, text and server capabilities for multiple server types. A specific IM configuration may be selected in response to service information.

WO 2007/045069 A1



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.