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

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
26 February 2004 (26.02.2004)

PCT

(10) International Publication Number
WO 2004/017583 A1

(51) International Patent Classification[7]: H04L 12/58, 29/06, H04Q 7/22

(21) International Application Number: PCT/CA2002/001259

(22) International Filing Date: 14 August 2002 (14.08.2002)

(25) Filing Language: English

(26) Publication Language: English

(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)*: **GILHULY, Barry, J.** [CA/CA]; 349 Meadowvale Place, Waterloo, Ontario N2K 3P8 (CA). **VAN, Ngoc, Anh** [CA/CA]; 4 King George Road, Brantford, Ontario N3R 5J7 (CA). **PARRY, Thomas** [CA/CA]; 400 Parkside Drive, Unit 809, Waterloo, Ontario N2L 6E5 (CA).

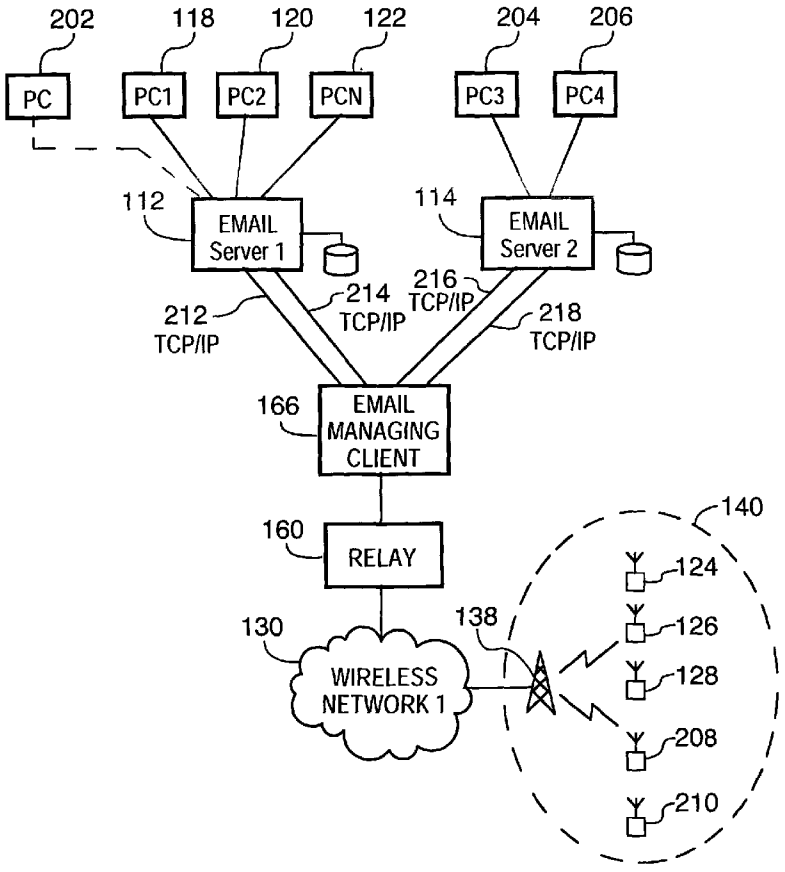
(74) Agents: **PATHIYAL, Krishna, K.** et al.; Research In Motion Limited, 295 Phillip Street, Waterloo, Ontario N2L 3W8 (CA).

(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, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(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,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PUSHING E-MAIL TO WIRELESS COMMUNICATION DEVICES



(57) Abstract: Each e-mail server is publicly accessible and manages a plurality of unaffiliated e-mail accounts respectively associated with the plurality of wireless communication devices. An e-mail managing client logs on to an e-mail server behalf of the plurality of unaffiliated e-mail accounts and a TCP/IP connection is established and maintained with it. Thereafter, e-mail change notification information for all of the e-mail accounts are received continually over the single TCP/IP connection. Based on the e-mail change notification information, e-mail information may be retrieved and pushed for "real time" receipt by the plurality of wireless communication devices. An e-mail server identifier and an e-mail notification identifier are provided with the e-mail change notification information so that requests to receive particular e-mail information may be properly facilitated. User-configurable delivery settings are also provided so that e-mail information may be pushed (if at all) as specified by the end-user.

WO 2004/017583 A1

ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations 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, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, 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, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*

— *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *with international search report*

(48) Date of publication of this corrected version:
7 April 2005

(15) Information about Correction:
see PCT Gazette No. 14/2005 of 7 April 2005, Section II

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.