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

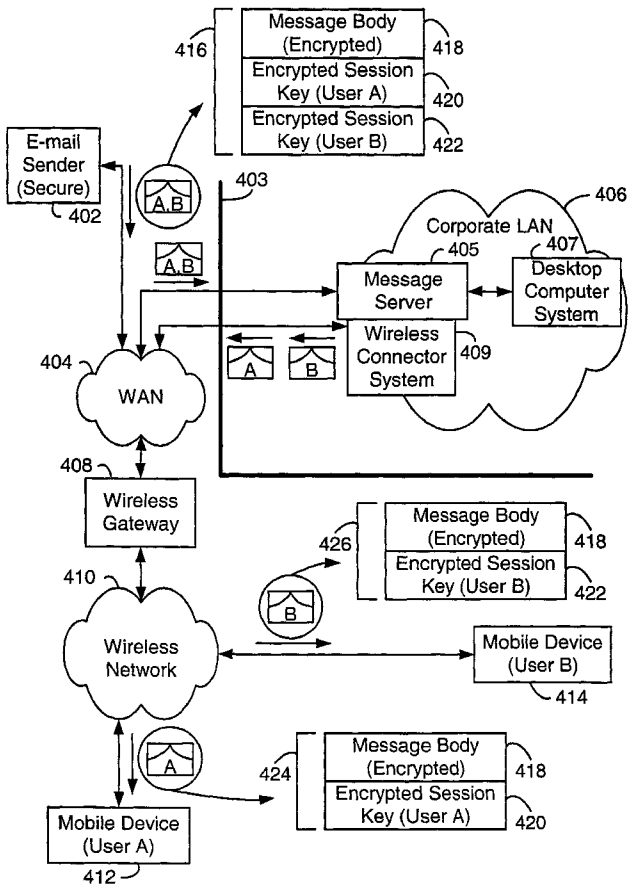
(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **GODFREY, James, A.** [CA/CA]; 300 Regina Street N., #1506A, Waterloo, Ontario N2J 3B8 (CA). **LITTLE, Herbert, A.** [CA/CA]; 504 Old Oak Place, Waterloo, Ontario N2T 2V8 (CA). **BROWN, Michael, K.** [CA/CA]; 1938 Mapleridge Drive, Peterborough, Ontario K9K 2E4 (CA). **ADAMS, Neil, P.** [CA/CA]; 151 MacGregor Cres, Apt. 5, Waterloo, Ontario N2J 3X2 (CA). **CHERRY, Carl, L.** [CA/CA]; 303 Woodrow Pl., Waterloo, Ontario N2T 2V7 (CA). **TYHURST, Timothy, R.** [CA/CA]; 736 Avondale Ave., Kitchener, Ontario N2M 2W5 (CA). **BROWN, Michael, S.** [CA/CA]; 350 University Downs Cre., Waterloo, Ontario N2K 4B1 (CA).

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

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR COMPRESSING SECURE E-MAIL FOR EXCHANGE WITH A MOBILE DATA COMMUNICATION DEVICE



(57) Abstract: A system and method are provided for pre-processing encrypted and/or signed messages at a host system before the message is transmitted to a wireless mobile communication device. The message is received at the host system from a message sender. There is determination as to whether any of the message receivers has a corresponding wireless mobile communication device. For each message receiver that has a corresponding wireless mobile communication device, the message is processed so as to modify the message with respect to encryption and/or authentication aspect. The processed message is transmitted to a corresponding wireless mobile communication device. The system and method may include post-processing messages sent from a wireless mobile communications device to a remote system. Authentication and/or encryption message processing is performed upon the message. The processed message may then be sent through the remote system to one or more receivers.

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

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) 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, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*

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