

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/015861 A1

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

(21) International Application Number:
PCT/CA2004/000616

(22) International Filing Date: 26 April 2004 (26.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/494,621 12 August 2003 (12.08.2003) US

(71) Applicant (for all designated States except US): **RE-SEARCH IN MOTION LIMITED** [CA/CA]; 295 Phillip Street, Waterloo, Ontario (CA).

(72) Inventors: **BROWN, Michael, S.**; 350 University Downs Cres., Waterloo, Ontario N2K 4B1 (CA). **ADAMS, Neil,**

P.; 550 Little Dover Cres., Waterloo, Ontario N2K 4E4 (CA). **LITTLE, Herbert, A.**; 504 Old Oak Place, Waterloo, Ontario N2T 2V8 (CA).

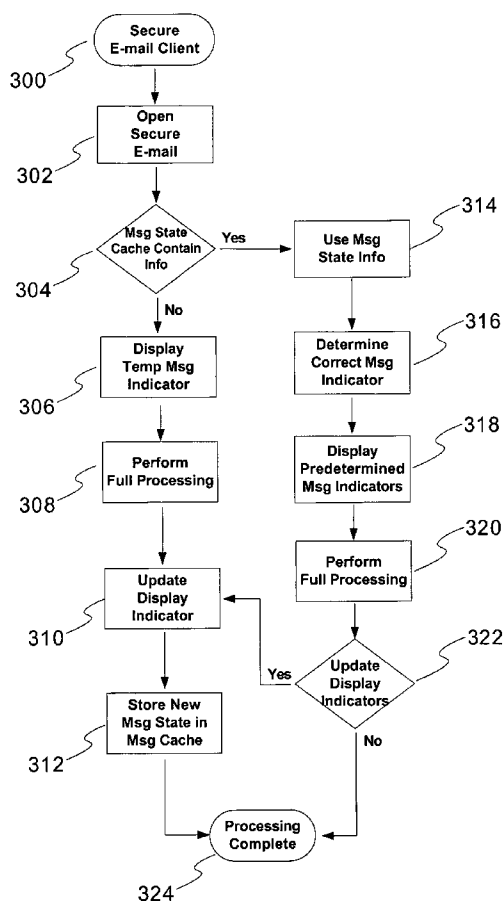
(74) Agents: **WONG, Jeffrey, W.** et al.; Borden Ladner Gervais LLP, 100 Queen Street, Suite 1100, Ottawa, Ontario K1P 1J0 (CA).

(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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, 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,

[Continued on next page]

(54) Title: SYSTEM AND METHOD OF SECURE MESSAGE PROCESSING



(57) Abstract: A mobile device that handles an encoded message comprising: means for receiving the encoded message over a wireless network; means for generating state data about the encoded message; means for storing the message state data in a cache; means for accessing from the cache the message state data when content of the received encoded message is to be retrieved; wherein the message state data that was stored in the cache due to a first opening of the encoded message is available for retrieval from the cache for a second opening of the encoded message; means for generating a message indicator based upon the message state data that was accessed from the cache; wherein the generated message indicator is provided to a user of the mobile device.

WO 2005/015861 A1



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, IT, LU, 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*

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.