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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/053304 A2

(51) International Patent Classification[7]: H04N

(21) International Application Number:
PCT/US2004/039025

(22) International Filing Date:
19 November 2004 (19.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/523,515 19 November 2003 (19.11.2003) 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)*: **BUCKLEY, Adrian** [US/US]; 990 Woodsong Lane, Brentwood, CA 94513 (US). **KEZYS, Vytautas, Robertas** [CA/CA]; 24 Hackney Court, Hamilton, Ontario L9K 1M3 (CA).

(74) Agent: **OSKOREP, John, J.**; One Magnificent Mile Center, 980 North Michigan Avenue, Suite 1400, Chicago, IL 60611 (US).

(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, 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, 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:
— *without international search report and to be republished upon receipt of that 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.

WO 2005/053304 A2

(54) Title: METHODS AND APPARATUS FOR PROVIDING NETWORK BROADCAST INFORMATION TO WLAN ENABLED WIRELESS COMMUNICATION DEVICES

(57) Abstract: One illustrative method of providing network broadcast information to a wireless device from a wireless local area network (WLAN) includes the steps of receiving, from one or more available cellular networks or a network database, cellular network broadcast information associated with the one or more available cellular networks; providing the cellular network broadcast information in a generic container message which varies in content and format according to one or more cellular standards associated with the one or more available cellular networks; and causing the generic container message to be regularly broadcasted for receipt and use by a wireless device. In an alternative approach, the steps include regularly broadcasting a network interworking indicator which is indicative of whether cellular network broadcast information is available for receipt from the WLAN; receiving a probe request from a wireless device; and causing the cellular network broadcast information to be sent to the wireless device in the generic container message in response to the probe request from the wireless device, The generic container message may alternatively or additionally include wireless network broadcast information from different types of wireless networks (e.g. Wi-MAX) which are available to the WLAN.