

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
13 August 2009 (13.08.2009)

(10) International Publication Number  
**WO 2009/100013 A3**

- (51) **International Patent Classification:**  
*H04W 84/18* (2009.01)    *H04W 64/00* (2009.01)
- (21) **International Application Number:**  
PCT/US2009/032854
- (22) **International Filing Date:**  
2 February 2009 (02.02.2009)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**  
12/028,422    8 February 2008 (08.02.2008)    US
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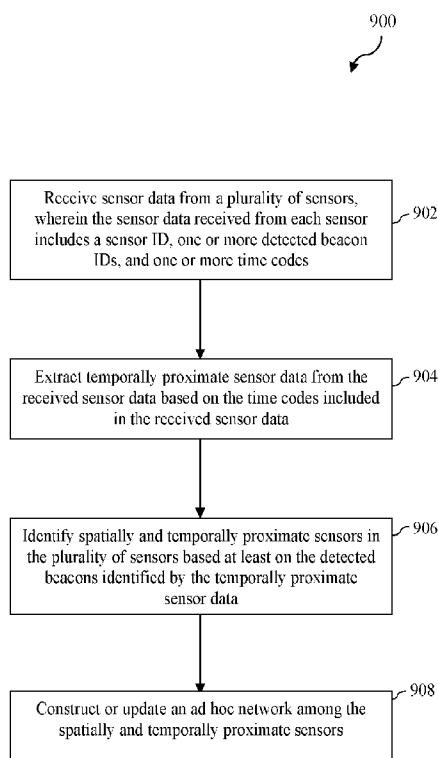
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(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG,

[Continued on next page]

(54) **Title:** LOCATION TRACKING BASED ON PROXIMITY-BASED AD HOC NETWORK



(57) **Abstract:** A system and method is described for constructing a proximity-based ad hoc network among a plurality of sensors and for using the network to perform location tracking and provide location-based services. Time-coded data received from each of the sensors is used to determine a current proximity of each of the sensors with respect to other sensors within the plurality of sensors. Actual location information associated with a particular sensor can then be used to generate or augment location information associated with other sensors known to be spatially and temporally proximate to the particular sensor.

**FIG. 9**

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SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, 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 (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

**(88) Date of publication of the international search report:**

12 November 2009

**A. CLASSIFICATION OF SUBJECT MATTER*****H04W 84/18(2009.01)i, H04W 64/00(2009.01)i***

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC: H04W, H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility Models and applications for Utility Models since 1975

Japanese Utility Models and applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal): "ad-hoc", "loaction", "proximity", "tracking"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2006-0167618 A1 (ANDREW R. WERBACK) 27 July 2006 Paragraphs [0005][0016][0019][0024] and figures 4-6	1-27
Y	US 7038584 B2 (SCOTT J. CARTER) 2 May 2006 figure 9 and claims 1-3	1-27
A	US 2003-0137968 A1 (NEIL W. LAREAU et al.) 24 July 2003 Abstract and claims 1-11	1-27
A	US 2007-0297371 A1 (CHIN TAU LEA) 27 December 2007 Claims 1-5 and figure 2	1-27

 Further documents are listed in the continuation of Box C. See patent family annex.

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

31 AUGUST 2009 (31.08.2009)

Date of mailing of the international search report

**31 AUGUST 2009 (31.08.2009)**

Name and mailing address of the ISA/KR

Korean Intellectual Property Office  
Government Complex-Daejeon, 139 Seonsa-ro, Seo-  
gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2009/032854**

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