

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 December 2007 (13.12.2007)

PCT

(10) International Publication Number
WO 2007/143106 A3

(51) International Patent Classification:
H04Q 7/20 (2006.01)

SIVO, Nicholas, T. [US/US]; 3250 Ash Street, Palo Alto, CA 94306 (US).

(21) International Application Number:
PCT/US2007/012960

(74) Agents: GREGORY, Richard, L. et al.; Courtney Staniford & Gregory LLP, P.O. Box 9686, San Jose, CA 95157 (US).

(22) International Filing Date: 1 June 2007 (01.06.2007)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, 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, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/445,730 1 June 2006 (01.06.2006) US

(71) Applicant (for all designated States except US): LOOPT, INC. [US/US]; 3250 Ash Street, Palo Alto, CA 94306 (US).

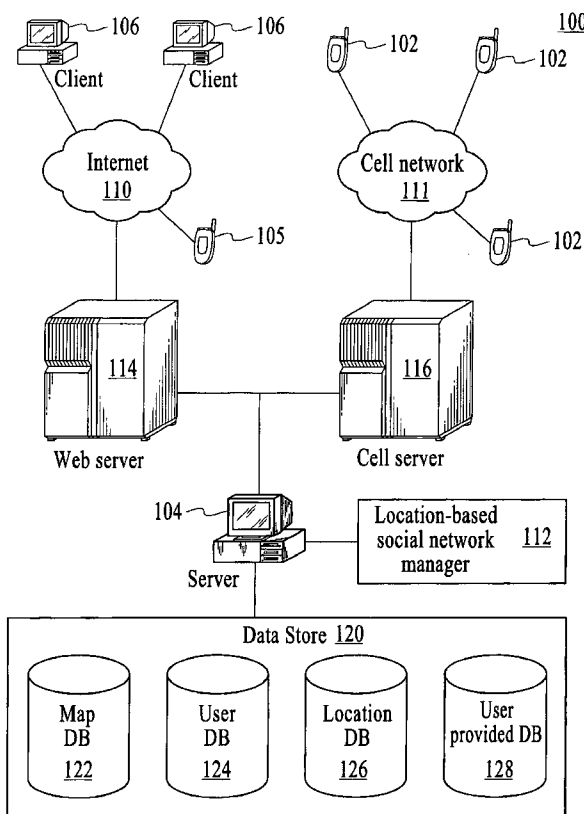
(72) Inventors; and

(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,

(75) Inventors/Applicants (for US only): ALTMAN, Samuel, H. [US/US]; 3250 Ash Street, Palo Alto, CA 94306 (US).

[Continued on next page]

(54) Title: DISPLAYING THE LOCATION OF INDIVIDUALS ON AN INTERACTIVE MAP DISPLAY ON A MOBILE COMMUNICATION DEVICE



(57) Abstract: Location-based social network manager processes are described. The processes are executed on a computer coupled to location-aware mobile communication devices over a wireless network. The process determines geographic location of a mobile device operated by a user, displays a map representation of the area around the mobile device on a mobile device GUI, and superimposes on the map respective locations of other users of mobile devices coupled to the mobile device. The user can build a database of friends among the other users whose location can be displayed on each respective mobile device. A privacy function allows a user to define who among the network of friends can view location information of the user on their mobile devices. Messaging and alert functions using the communications of the mobile device can incorporate location information resulting in interaction among users based on user identity as well as relative position to one another.

WO 2007/143106 A3



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, LT, LU, LV, MC, MT, 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).

— *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments*

Published:

— *with international search report*

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

6 March 2008

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/12960

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **H04Q 7/20(2006.01)**

USPC: 455/456.3,456.1,414.2,414.1,456.5,414.3,414.4
 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)
 U.S. : 455/456.3,456.1,414.2,414.1,456.5,414.3,414.4

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	U.S.Pub-2003/0016804 (Sheha et al.) 23 January 2003 see entries reference.	1-27
X	U.S.Pub 2005/0054352 (Karaizman) 10 March 2005 , see entries reference.	1-27

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

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 13 December 2007 (13.12.2007)	Date of mailing of the international search report 03 JAN 2008
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Authorized officer Rafael Perez-Gutierrez <i>Rena</i> Telephone No. 703.972.9306