

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 April 2011 (28.04.2011)

PCT

(10) International Publication Number
WO 2011/049845 A3

- (51) **International Patent Classification:**
H04W 4/02 (2009.01) G06F 17/30 (2006.01)
H04W 88/02 (2009.01)
- (21) **International Application Number:**
PCT/US2010/053000
- (22) **International Filing Date:**
18 October 2010 (18.10.2010)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
12/581,761 19 October 2009 (19.10.2009) US
- (71) **Applicant (for all designated States except US):**
GOOGLE INC. [US/US]; 1600 Amphitheatre Parkway,
Mountain View, California 94043 (US).
- (72) **Inventor; and**
- (75) **Inventor/Applicant (for US only): PHUKAN, Prasenjit**
[IN/US]; 710 Berry Avenue, Los Altos, California 94024
(US).
- (74) **Agents: DOMMER, Andrew et al.; Fish & Richardson**
P.C., P.O. Box 1022, Minneapolis, Minnesota
55440-1022 (US).
- (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, CL, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))

[Continued on next page]

(54) **Title:** MODIFICATION OF DYNAMIC CONTACT LISTS

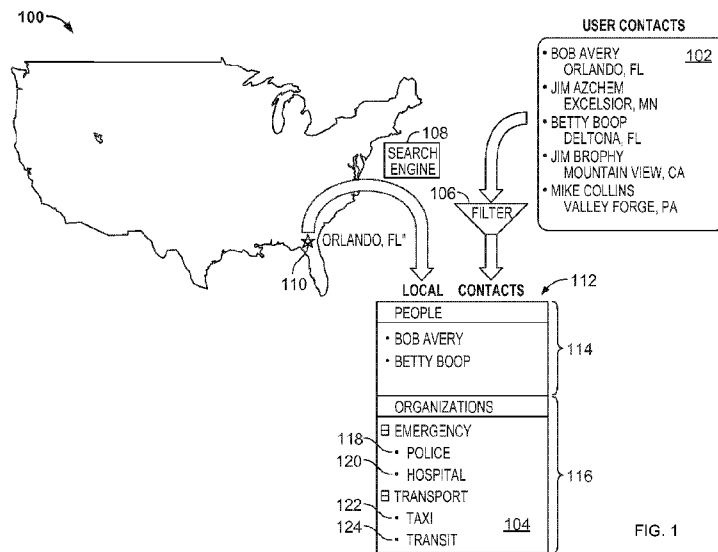
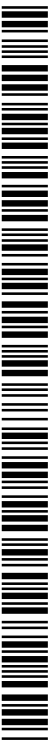


FIG. 1

(57) **Abstract:** In general, the subject matter described in this specification can be embodied in methods, systems and program products for dynamically generating contact list. A computer system identifies a geographic location of a mobile computing device that is associated with a user. A local contact list is generated by selecting, for inclusion in the local contact list, one or more contacts that are from a contact list that is stored for the user and are within a first predetermined geographic location. The local contact list is generated by selecting, for inclusion in the local contact list, one or more contacts that are not in the contact list that is stored for the user and are within a second predetermined geographic location. The local contact list is provided for display on the mobile computing device.



WO 2011/049845 A3



— *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:
22 December 2011

A. CLASSIFICATION OF SUBJECT MATTER***H04W 4/02(2009.01)i, H04W 88/02(2009.01)i, G06F 17/30(2006.01)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)

H04W 4/02; H04B 7/26; G01C 21/26

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

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: contact list , location

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 10-2007-0098753 A (RESEARCH IN MOTION LIMITED) 05 October 2007 See claims 1-21 and figures 1-15.	1-23
A	KR 10-2005-0107671 A (SEO, JONG DEOK) 15 November 2005 See claims 1-11 and figures 1-5.	1-23
A	US 2005-0114021 A1 (JAY DEE KRULL et al.) 26 May 2005 See claims 1-34 and figures 1-26.	1-23

 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

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"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

"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

"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

"&" document member of the same patent family

Date of the actual completion of the international search

27 OCTOBER 2011 (27.10.2011)

Date of mailing of the international search report

27 OCTOBER 2011 (27.10.2011)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 189 Cheongsa-ro,
Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

JUNG, Yun Seok

Telephone No. 82-42-481-8123



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/053000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 10-2007-0098753 A	05.10.2007	AU 2007-201408 A1	18.10.2007
		CA 2581696 A1	30.09.2007
		CA 2581696 C	12.01.2010
		CA 2582583 A1	30.09.2007
		CA 2582583 C	25.01.2011
		CA 2582988 A1	30.09.2007
		CA 2582988 C	04.01.2011
		CA 2583248 A1	30.09.2007
		CA 2583248 C	12.10.2010
		CA 2583249 A1	30.09.2007
		CA 2583249 C	15.02.2011
		CA 2583319 A1	30.09.2007
		CA 2583319 C	17.05.2011
		CA 2583616 A1	30.09.2007
		CA 2583616 C	03.05.2011
		CA 2618989 A1	26.07.2008
		CA 2618989 C	17.05.2011
		CA 2619116 A1	26.07.2008
		CN 101127952 A	20.02.2008
		CN 101127952 C0	20.02.2008
		CN 101166326 A0	23.04.2008
		CN 101166327 A0	23.04.2008
		EP 1840510 A1	03.10.2007
		EP 1840510 B1	09.02.2011
		EP 1840511 A1	03.10.2007
		EP 1840512 A1	03.10.2007
		EP 1840513 A1	03.10.2007
		EP 1840513 B1	31.03.2010
		EP 1840515 A1	03.10.2007
		EP 1840515 B1	28.10.2009
		EP 1840516 A1	03.10.2007
		EP 1840516 B1	04.03.2009
		EP 1840517 A1	03.10.2007
		EP 1840517 B1	19.08.2009
		EP 1840520 A1	03.10.2007
		EP 1840520 B1	24.09.2008
		EP 1840521 A2	03.10.2007
		EP 1840521 A3	11.02.2009
		EP 1840523 A1	03.10.2007
		EP 1840523 B1	09.03.2011
JP 2007-282220 A	25.10.2007		
KR 10-2009-0126223 A	08.12.2009		
TW 200808007 A	01.02.2008		
US 2007-0229545 A1	04.10.2007		
US 2007-0233385 A1	04.10.2007		
US 2007-0233695 A1	04.10.2007		
US 2010-0269108 A1	21.10.2010		
US 2011-0093197 A1	21.04.2011		
US 2011-0167392 A1	07.07.2011		

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/053000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		US 7720893 B2	18.05.2010
		US 7881562 B2	01.02.2011
		US 7913192 B2	22.03.2011
		US 7970807 B2	28.06.2011
KR 10-2005-0107671 A	15.11.2005	None	
US 2005-0114021 A1	26.05.2005	US 7043362 B2	09.05.2006