



- (51) International Patent Classification:  
*H04W 4/02* (2009.01)    *H04W 88/02* (2009.01)
- (21) International Application Number:  
PCT/US2013/047180
- (22) International Filing Date:  
21 June 2013 (21.06.2013)
- (25) Filing Language:  
English
- (26) Publication Language:  
English
- (30) Priority Data:  
61/663,049    22 June 2012 (22.06.2012)    US  
61/663,813    25 June 2012 (25.06.2012)    US  
61/790,539    15 March 2013 (15.03.2013)    US

Parkway, Mountain View, California 94043 (US). **YANG, Guang**; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US). **KIRMSE, Andrew**; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US). **GULTEKIN, Gokay Baris**; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US). **CONNOR, Bill**; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US). **MIERLE, Keir Banks**; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US).

(74) Agents: **CHASNEY IV, Charles** et al.; 1625 Radio Drive, Suite 300, Woodbury, Minnesota 55125 (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, BN, 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, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,

[Continued on next page]

- (71) Applicant: **GOOGLE INC.** [US/US]; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US).
- (72) Inventors: **STAMM, Tom Carl**; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US). **HAWKINS, Dale**; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US). **GUGGEMOS, James A.**; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US). **UDESHI, Tushar**; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US). **BELLVER, Pablo**; 1600 Amphitheatre Parkway, Mountain View, California 94043 (US). **PRAUN, Emil**; 1600 Amphitheatre

(54) Title: PRESENTING INFORMATION FOR A CURRENT LOCATION OR TIME

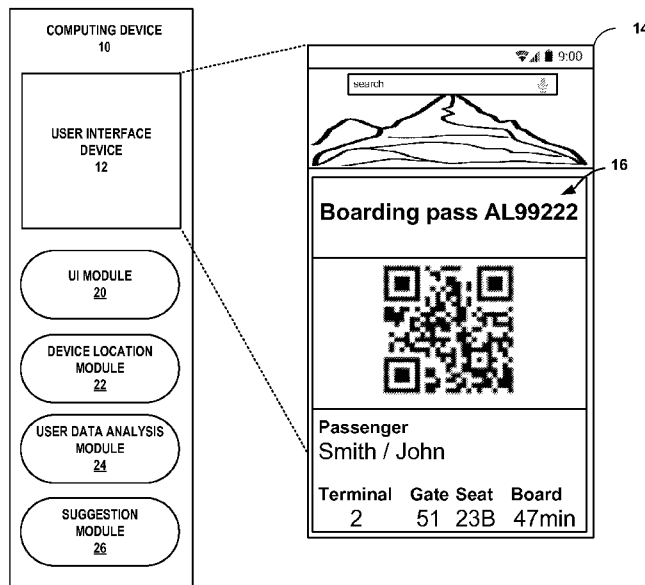


FIG. 1

(57) Abstract: A computing system is described that obtains, based at least in part on information included in previous communication associated with a user of a computing device, an indication of a future location and a future time and further obtains information associated with an event which is associated with the future location and the future time. The computing system obtains a duration of time for the user to travel from a current location of the computing device to the future location, and further obtains, based at least in part on the duration of time, a departure time at which the user is predicted to need to depart from the current location in order to arrive at the future location by an arrival time that is determined based at least in part on the future time. The computing system outputs, for transmission to the computing device, an indication of the departure time.

WO 2013/192587 A3



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, KM, 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 (Rule 48.2(h))*

**(88) Date of publication of the international search report:**  
30 April 2015

**Published:**

— *with international search report (Art. 21(3))*

## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/US2013/047180****A. CLASSIFICATION OF SUBJECT MATTER****H04W 4/02(2009.01)i, H04W 88/02(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)

H04W 4/02; G06F 15/16; G08B 19/00; G05B 19/418; G06Q 10/10; G06F 9/46; G08G 1/00; H04W 88/02

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) &amp; Keywords: location, time, event, arrival

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 2011-0090078 A1 (FREDERICK D. KIM et al.) 21 April 2011 See paragraphs [7], [30]-[40]; claim 1; and figure 1.	1,6-8,11-14,19-21 ,24-26 2-5,9,10,15-18,22 ,23
Y A	US 2007-0073810 A1 (NEIL ADAMS et al.) 29 March 2007 See paragraphs [17], [40], [41], [43]; and claim 1.	1,6-8,11-14,19-21 ,24-26
A	US 2012-0150422 A1 (CHRISTOPHER KANTARJIEV et al.) 14 June 2012 See paragraphs [13], [34]-[39], [53], [63]-[68], [79], [80].	1-26
A	US 2007-0118415 A1 (LIREN CHEN et al.) 24 May 2007 See paragraphs [7], [26]-[31]; claim 1; and figure 1.	1-26
A	US 2012-0150580 A1 (KENNETH S. NORTON) 14 June 2012 See paragraphs [161]-[168]; and figure 8A.	1-26

 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 another 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

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

Date of the actual completion of the international search

17 March 2015 (17.03.2015)

Date of mailing of the international search report

**17 March 2015 (17.03.2015)**

Name and mailing address of the ISA/KR

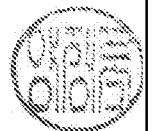
International Application Division  
Korean Intellectual Property Office  
189 Cheongsu-ro, Seo-gu, Daejeon Metropolitan City, 302-701,  
Republic of Korea

Facsimile No. ++82 42 472 7140

Authorized officer

YANG, Jeong Rok

Telephone No. +82-42-481-5709



**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2013/047180**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2011-0090078 A1	21/04/2011	CN 102575937 A	11/07/2012
		EP 2491341 A2	29/08/2012
		EP 2491341 A4	30/07/2014
		JP 2013-508725 A	07/03/2013
		KR 10-2012-0069778 A	28/06/2012
		US 8451112 B2	28/05/2013
		WO 2011-049984 A2	28/04/2011
		WO 2011-049984 A3	22/12/2011
US 2007-0073810 A1	29/03/2007	CA 2610648 A1	29/03/2007
		CA 2873151 A1	29/03/2007
		DE 202006021197 U1	08/08/2013
		EP 1929702 A1	11/06/2008
		EP 1929702 A4	01/10/2008
		EP 1929702 B1	02/10/2013
		US 2013-0239016 A1	12/09/2013
		US 8429292 B2	23/04/2013
WO 2007-033465 A1	29/03/2007		
US 2012-0150422 A1	14/06/2012	US 2005-0021225 A1	27/01/2005
		US 2009-0118996 A1	07/05/2009
		US 2010-0268456 A1	21/10/2010
		US 2014-0129142 A1	08/05/2014
		US 7610145 B2	27/10/2009
		US 7702452 B2	20/04/2010
		US 8103443 B2	24/01/2012
		US 8660780 B2	25/02/2014
WO 2005-013063 A2	10/02/2005		
WO 2005-013063 A3	29/09/2005		
US 2007-0118415 A1	24/05/2007	CN 101501591 A	05/08/2009
		EP 1964041 A2	03/09/2008
		KR 10-2008-0059464 A	27/06/2008
		WO 2007-051128 A2	03/05/2007
		WO 2007-051128 A3	31/12/2008
US 2012-0150580 A1	14/06/2012	US 2012-0136572 A1	31/05/2012
		US 8504404 B2	06/08/2013
		WO 2011-160044 A2	22/12/2011
		WO 2011-160044 A3	09/02/2012