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## (45) **Dat**

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#### (54) VISUAL TRAVEL GUIDE

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G01C 21/36 (2006.01) (52) U.S. Cl.

CPC ....... *G01C 21/343* (2013.01); *G01C 21/362* (2013.01) (58) Field of Classification Search

CPC combination set(s) only. See application file for complete search history.

5.550.505 A # 0/1006 D I

(56) References Cited

### U.S. PATENT DOCUMENTS

5,559,707 A *	9/1996	DeLorme	G01C 21/20
			340/990
5,948,040 A *	9/1999	DeLorme	G01C 21/36
			340/990

6,401,034 B1*	6/2002	Kaplan	G01C 21/3682
6 826 472 B1*	11/2004	Kamei	340/988 G01C 21/3605
0,820,472 B1	11/2004	Kamei	340/995.19
6,845,321 B1*	1/2005	Kerns	
6.983.203 B1*	1/2006	Wako	340/988 G01C 21/3682
, ,			340/988

(Continued)

#### FOREIGN PATENT DOCUMENTS

EP 1 193 626 A1 4/2002

#### OTHER PUBLICATIONS

TomTom, portable GPS car navigation systems, <a href="http://wwb.archive.org/web/20051231184850/http://www.tomtom.com/">http://wwb.archive.org/web/20051231184850/http://www.tomtom.com/</a>, 2005, 3 pages.

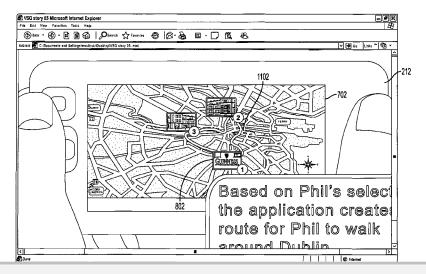
(Continued)

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#### (57) ABSTRACT

A novel method, apparatus, and system are disclosed that provide a mobile terminal user with up to date information regarding a point/location of interest. A user may identify a destination, and subsequently select points of interest at the destination from photos, audio or other media displayed to the user. Each media item may be geo-tagged or otherwise associated with a particular point of interest, tourist location, museum, etc. For example, when visiting Washington, D.C., the user may be shown photos of the Washington Monument, Smithsonian Museums, Lincoln Memorial, and the White House. The user may select one or more of the points of interest, and the system then generates an itinerary and/or a walking/driving/biking travel route responsive to the selected media items.

#### 19 Claims, 13 Drawing Sheets





## US 9,612,126 B2

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(56)	Referen	ces Cited	2009/0143977 A1* 6/2009 Beletski G01C 21/362 701/533
U	J.S. PATENT	DOCUMENTS	701/333
7,321,826 B	32* 1/2008	Sheha G01C 21/3632 340/995.24	OTHER PUBLICATIONS
2002/0138196 A	<b>A1*</b> 9/2002	Polidi G01C 21/3682 701/409	XTech 2006: "Building Web 2.0", <a href="http://2006.xtech.org/schedule/paper/195">http://2006.xtech.org/schedule/paper/195</a> , May 16-19, 2006, Amsterdam, The Netherlands, 6
2003/0036848 A	A1* 2/2003	Sheha G01C 21/3679 701/468	pages. Sharing-Places.com, <a href="http://web.archive.org/web/">http://web.archive.org/web/</a>
2003/0158658 A	A1* 8/2003	Hoever G01C 21/3605 701/533	20070206122435/preview.sharing-places.com/>, Feb. 6, 2007, 1 page.
2003/0191578 A	A1* 10/2003	Paulauskas G01C 21/3682 701/438	Welcome to Flickr—Photo Sharing, <a href="http://web.archive.org/web/20051231152551/http://www.flickr.com/">http://web.archive.org/web/20051231152551/http://www.flickr.com/</a> , 2005, 1 page.
2004/0030678 A		Tu G06F 7/22	Panoramio—Photos of the World, <a href="http://web.archive.org/web/">http://web.archive.org/web/</a>
2004/0243306 A	<b>A</b> 1* 12/2004	Han G01C 21/3682 701/438	20061201100603/http://www.panoramio.com/>, Dec. 1, 2006, 2 pages.
2005/0049765 A	A1* 3/2005	Chetia G06Q 30/02 701/31.4	Picasa, <a href="http://web.archive.org/web/20050923183613/http://picasa.google.com/">http://web.archive.org/web/20050923183613/http://picasa.google.com/</a> , 2005, 1 page.
2005/0107949 A	A1* 5/2005	Yokota G01C 21/3611 701/532	Google Earth—Explore, Search and Discover, <a href="http://web.archive.">http://web.archive.</a>
2006/0229807 A	<b>A1*</b> 10/2006	Sheha G01C 21/3679 701/468	org/web/20051231043407/http://earth.google.com/>, 2005, 1 page. Placeopedia.com—Connecting Wikipedia articles with their loca-
2006/0253247 A	A1* 11/2006	de Silva G01C 21/3611 701/426	tions, <a href="http://web.archive.org/web/20061107142757/http://www.placeopedia.com/">http://web.archive.org/web/20061107142757/http://www.placeopedia.com/</a> , Nov. 7, 2006, 2 pages.
2007/0118281 A	<b>A1*</b> 5/2007	Adam G01C 21/3647 701/431	Extended European Search Report for EP 08 17 0172 dated Jun. 26, 2012, pp. 1-5.
2007/0276596 A	<b>A1*</b> 11/2007	Solomon G01C 21/3632 701/431	Office Action for corresponding European Patent Application No. 08170172.4-1557, dated Jan. 15, 2016, 5 Pages.
2008/0082262 A	A1* 4/2008	Silva G01C 21/3682 701/431	Dffice Action for corresponding European Patent Application No. 08 170 1724-1557, dated Sep. 21, 2016, 4 pages.
2008/0268876 A	A1* 10/2008	Gelfand G06Q 30/02 455/457	* cited by examiner



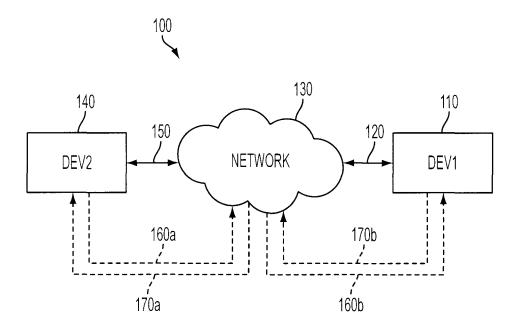


FIG. 1

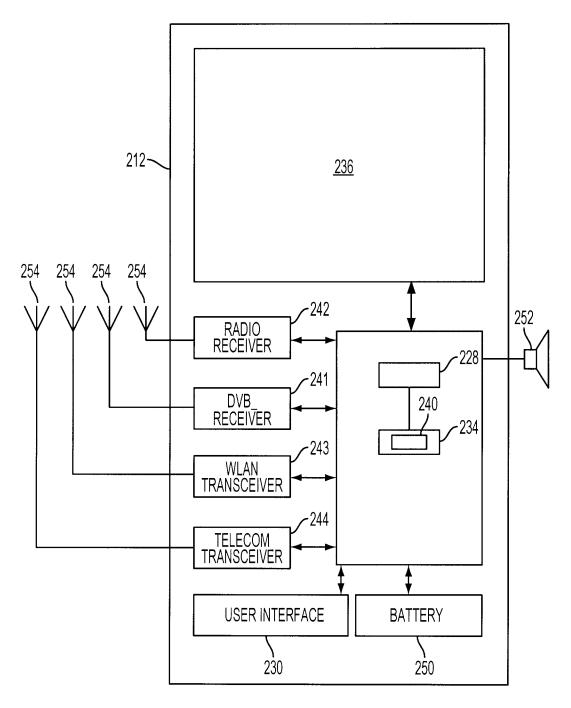


FIG. 2



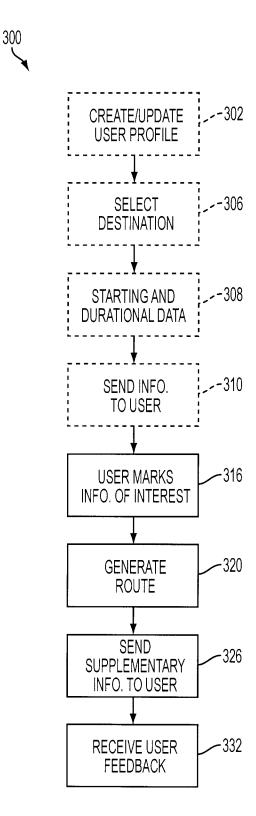


FIG. 3



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