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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, NL, 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.

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(54) **Title:** THREE DIMENSIONAL ROUTING

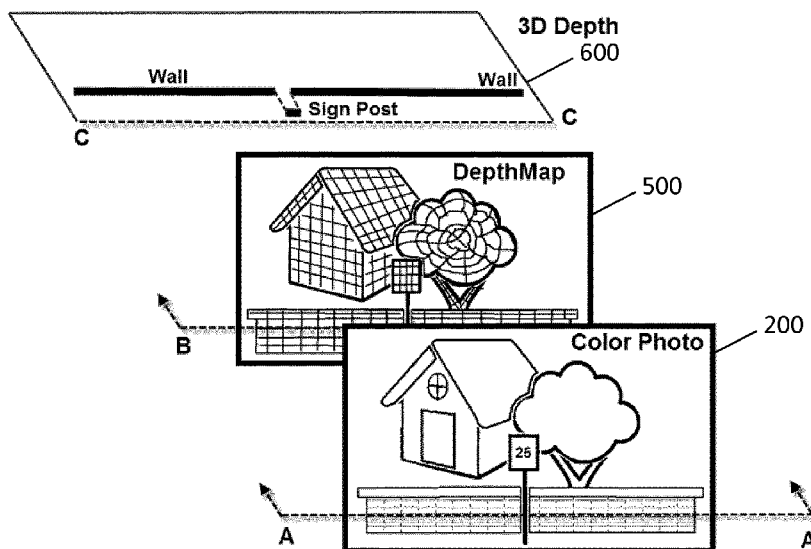


FIG. 4 B

(57) **Abstract:** One or more systems, devices, and/or methods for three dimensional routing are disclosed. For example, one embodiment includes receiving image data selected based on a viewer perspective from a memory. The image data is correlated with a depthmap generated from an optical distancing system and correlated with route data calculated from an origin point to a destination point using a geographical database and a routing algorithm. The controller compares a first distance, from the viewer perspective to a point correlated with the route data, to a second distance, derived from the depth map at the point. If the comparison indicates that the first distance is closer to the viewer perspective than the second distance, the controller inserts at least one pixel of a navigation illustration into the image data. The image data including the navigation illustration is transmitted to or stored in a memory.



INTERNATIONAL SEARCH REPORT

International application No  
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A. CLASSIFICATION OF SUBJECT MATTER  
INV. G01C21/36 G06T15/20  
ADD.  
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED  
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G01C G06T

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)  
EPO-Internal , WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	DAVID GALLUP ET AL: "Pi ecewi se pl anar and non-pl anar stereo for urban scene reconstructi on", 2010 IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION (CVPR) , 13 June 2010 (2010-06-13) , - 18 June 2010 (2010-06-18) , pages 1418-1425 , XP031725634, SAN FRANCISCO, CA, USA, ISBN : 978-1-4244-6984-0 the whol e document -----	1-20
Y	EP 1 584 897 A2 (SONY CORP [JP] ) 12 October 2005 (2005-10-12) paragraph [0040] - paragraph [0051] ; figure 1 ----- -/- .	1-20

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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 but 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
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"O" document referring to an oral disclosure, use, exhibition or other means	
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Gagi n , Thi baut
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## INTERNATIONAL SEARCH REPORT

International application No  
PCT/EP2012/070438

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	Stephen Shankl and: "Google gathers 3D data with Street View", CNET , 15 May 2008 (2008-05-15) , XP002693712 , Retrieved from the Internet: URL: http://news.cnet.com/8301-10784_3-9945448-7.html [retrieved on 2013-03-13] the whole document -----	1-20

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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