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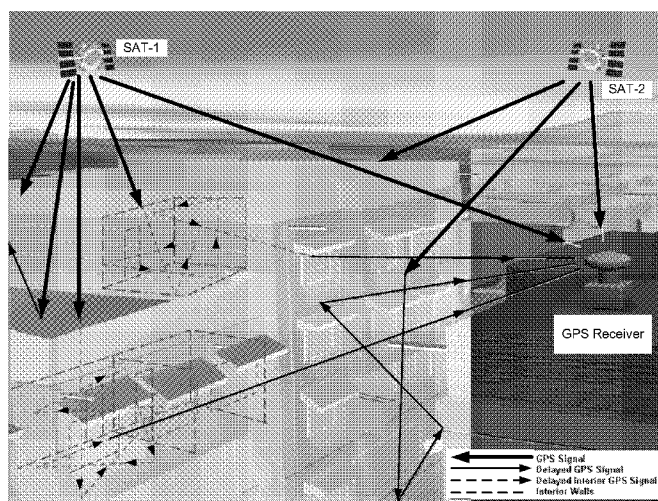


FIG. 7

(57) Abstract: Systems and methods for mapping a structure detect wireless signals, including at least one multipath signal that has experienced at least one reflection against a portion of the structure prior to the detection. The wireless signals are analyzed to estimate reflection points for the multipath signal(s), and a map of at least the portion of the structure is generated based on the estimated reflection points.

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# INTERNATIONAL SEARCH REPORT

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<b>B. FIELDS SEARCHED</b>		
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<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 150 979 A (TSUI JAMES B Y [US]) 21 November 2000 (2000-11-21)	1-15, 18, 19, 22-32, 35, 36, 39-47
Y	abstract  column 3, lines 2-63	17, 20, 34, 37
X	US 6 744 408 B1 (STOCKMASTER MICHAEL H [US]) 1 June 2004 (2004-06-01)	1-16, 18, 19, 21-33, 35, 38-47
A	abstract; figures 4,5  column 1, line 6 - column 2, line 16 column 5, line 23 - column 7, line 25  ----- -/--	17, 20, 34, 37
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.		
<input checked="" type="checkbox"/> 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 document 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. *&* document member of the same patent family	
Date of the actual completion of the international search  <p style="text-align: center; font-weight: bold;">25 May 2009</p>	Date of mailing of the international search report  <p style="text-align: center; font-weight: bold;">04/06/2009</p>	
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  <p style="text-align: center; font-weight: bold;">Vial, Antoine</p>	

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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