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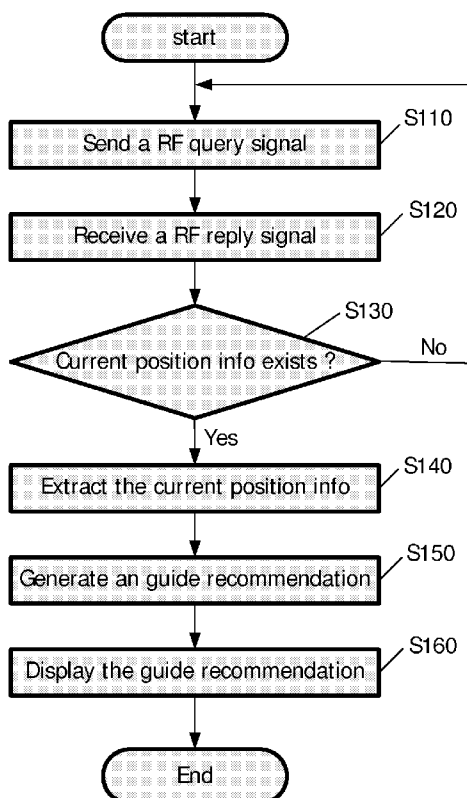
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(54) Title: APPARATUS AND METHOD FOR PROVIDING A GUIDE DIRECTING TO A DESIRED POSITION



(57) Abstract: The present invention provides a method and apparatus for providing guide directing to a target position. The method for providing guide directing to a target position, comprising the steps of: acquiring current position information which is from an identifier; and generating a guide recommendation according to the current position information, the target position information and an e-map including the current position information and the target position information. The method and apparatus in the present invention takes full advantage of the processing capability of the processor and the storage means on the user equipment, to provide a guide recommendation to a target position easily when the user needs orientation guide, and can reduce costs for infrastructures in large public facilities as well.

WO 2006/123274 A3



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER

INV. G01S1/68 G01S5/00 G01V15/00

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)

G01S G01V

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 practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2003 067787 A (SONY CORP) 7 March 2003 (2003-03-07) cited in the application abstract	1-4, 7-11, 14, 16, 17
X	US 2002/049064 A1 (BANNO SATOSHI [JP]) 25 April 2002 (2002-04-25) paragraph [0010] figure 5	1, 7, 8, 14, 16
X	GB 2 356 098 A (FUJITSU LTD [JP]) 9 May 2001 (2001-05-09) page 39, line 15 - page 41, line 21	1, 7, 8, 14, 16
A	US 2004/203391 A1 (HOSHINA MASAKI [JP]) 14 October 2004 (2004-10-14) paragraphs [0008] - [0015]	4, 5, 11, 12

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☒ See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2003067787 A	07-03-2003	NONE	
US 2002049064 A1	25-04-2002	CN 1350414 A GB 2374223 A JP 2002135828 A	22-05-2002 09-10-2002 10-05-2002
GB 2356098 A	09-05-2001	GB 2356097 A	— 09-05-2001
US 2004203391 A1	14-10-2004	JP 2004245593 A	02-09-2004