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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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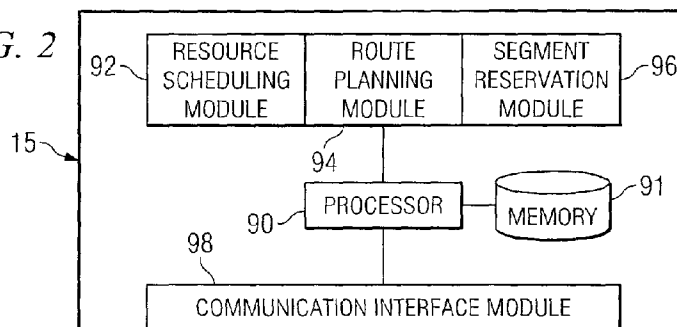
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(54) Title: SYSTEM AND METHOD FOR GENERATING A PATH FOR A MOBILE DRIVE UNIT

FIG. 2



(57) Abstract: A method of transporting inventory items includes receiving a route request from a mobile drive unit. The route request identifies a destination location within a workspace. The workspace includes at least one cell associated with a first cell attribute and at least one cell that is not associated with the first cell attribute. The method includes determining a state of the mobile drive unit. The method also includes generating a path to the destination location for the mobile drive unit that traverses cells associated with the first cell attribute, in response to determining that the mobile drive unit is associated with a first state. The method includes generating a path to the destination location for the mobile drive unit that does not traverse cells associated with the first cell attribute, in response to determining the mobile drive unit is not associated with the first state. The method further includes transmitting the path to the mobile drive unit.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/70600

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 15/16 (2008.04)

USPC - 709/227

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)

IPC (8): G06F 15/16 (2008.04)

USPC: 709/227

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC: 709/201, 203, 223, 226, 227, 229; 705/1, 28, 500 (See keywords below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Pub WEST (USPT, PGPB, JPAB, EPAB), Google Scholar.

Search Terms Used: request route, path, inventory, mobile unit, destination, property, characteristic, feature, work space, work area, route optimization, height, width, navigate vehicle etc.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2006/044108 A2 (MOUNTZ et al.), 27 April 2006 (27.04.2006), entire document, especially Abstract; page 1, ln 15 to page 2, ln 10; page 2, ln 11-15; page 3, ln 21-32; page 5, ln 17-27; page 6, ln 1-26; page 13, ln 31 to page 14, ln 31.	1-22
Y	US 2005/0256639 A1 (ALEKSIC et al.), 17 November 2005 (17.11.2005), entire document, especially para [0002]-[0005]; [0012]-[0015]; [0018]-[0019]; [0061]-[0064] and [0076]-[0080].	1-22
Y	US 2006/0089787 A1 (BURR et al.), 27 April 2006 (27.04.2006), entire document, especially para [0072]-[0073].	7-8 and 17-18

☐ Further documents are listed in the continuation of Box C.


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"&" document member of the same patent family

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