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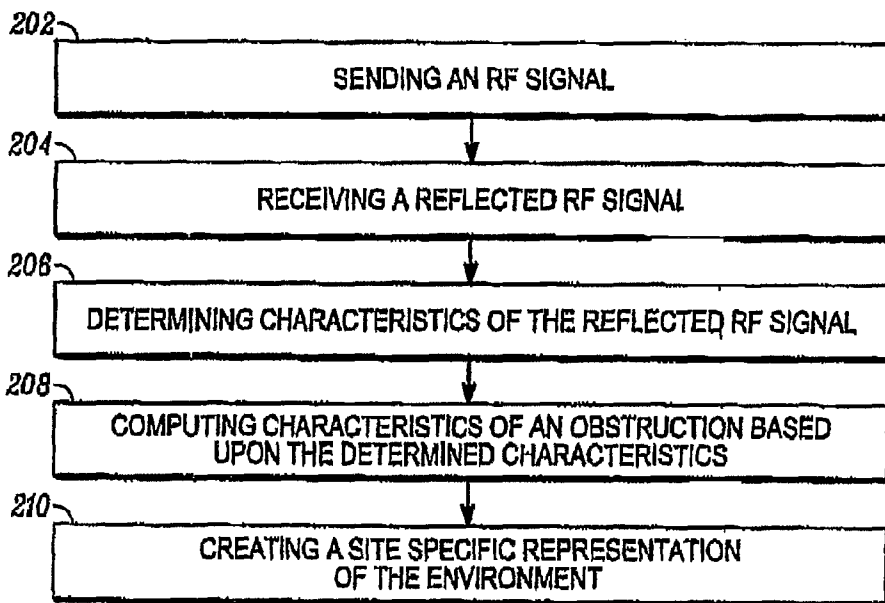
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(54) Title: METHOD AND APPARATUS FOR UTILIZING RF SIGNALS TO CREATE A SITE SPECIFIC REPRESENTATION OF AN ENVIRONMENT



(57) Abstract: A system and method for creating a site specific representation of an environment are disclosed. The system and method comprise sending an RF signal and receiving a reflected RF signal. Based upon determining characteristics of the reflected RF signal, characteristics of an obstruction in the environment are computed. Finally, a site specific representation of the environment based upon the computed characteristics is created.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - G01S 13/74 (2007.01)
 USPC - 342/43
 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)
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 USPC - 342/43, 45, 28, 25B; 382/103; 455/39, 73; 702/150; 367/93, 95; 340/989, 990; 343/703, 711

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)
 PatBase, MicroPatent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| X | US 4,392,137 A (INTLEKOFER et al) 05 July 1983 (05.07.1983) entire document | 1-20 |
| A | US 6,683,562 B2 (STAYTON et al) 27 January 2004 (27.01.2004) entire document | 1-20 |
| A | US 5,414,429 A (GIRAUDY) 09 May 1995 (09.05.1995) entire document | 1-20 |
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