Title: DIRECTION AND DISTANCE FINDER

Abstract: The present invention relates to a system and method for locating the direction and distance to a RF signal source, primarily for search and rescue. The system and method includes a RF signal locator and a graphical display residing on the signal locator. The receiver graphical display provides the user with an initial way point reading that includes directional and distance data associated with the beacon RF signal source. The directional and distance data is based upon the received RF signals. A processor within the locator receiver receives and measures RF signals emitted by the RF signal source. The locator advantageously provides continuous subsequent way point readings for the user, where the subsequent way point readings include directional and distance data associated with the RF signal source. The distance data provided by the subsequent way point readings is based upon a path loss slope of the received RF signals.
— before the expiration of the time limit for amending the
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amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

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**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

**IPC:** G01S 5/04(2006.01)

**USPC:** 342/443,458

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)

U.S.: 342/385, 417, 419, 443, 457,458

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)

East text searched

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
</table>

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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Date of the actual completion of the international search

01 June 2006 (01.06.2006)

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