(54) Title: METHOD AND SYSTEM FOR FREQUENCY DRIFT PREDICTION

(57) Abstract: A method (200) of frequency drift prediction for use by a positioning receiver (106) can include the steps of determining (202) a moving average of a frequency error, determining (206) a moving average of a frequency drift rate in a communication device, determining (212) a frequency drift rate uncertainty, and providing (214) the moving average of frequency error and frequency drift rate, and the frequency drift rate uncertainty to the positioning receiver. A point-to-point slope from the running average of the instantaneous frequency error and a running average of the point-to-point slope for a predetermined time period can be determined (208 & 210). The frequency drift uncertainty or window is determined using information determined from the moving average of the frequency drift rate. The positioning receiver can be a global positioning receiver.
Published:

- with international search report

Date of publication of the international search report: 18 January 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

INTERNATIONAL APPLICATION NO.  
PCT/US05/32273

A.  CLASSIFICATION OF SUBJECT MATTER
IPC:  G01S 5/14 (2006.01)

USPC:  342/357.1, 357.05, 357.12
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.: 342/357.1, 357.05, 357.12

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)
Please See Continuation Sheet

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>
<tbody>
<tr>
<td>A</td>
<td>US 6,122,506 A (LAU et al) 19 September 2000 (19.09.2000), see entire document</td>
<td>1-10</td>
</tr>
<tr>
<td>A</td>
<td>US 5,742,908 A (DENT) 21 April 1998 (21.04.1998), see entire document</td>
<td>1-10</td>
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<tr>
<td>P, A</td>
<td>US 6,867,734 B2 (VOOR et al) 15 March 2005 (15.03.2005), see entire document</td>
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☐ 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  
05 September 2006 (05.09.2006)

Date of mailing of the international search report  
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