(54) Title: SYSTEM AND METHOD FOR AUTHENTICATING WIRELESS DEVICE WITH FIXED STATION

(57) Abstract: A method is provided for authenticating a wireless device with a fixed station. A first authentication request is received from the wireless device when the wireless device detects that the fixed station is in close proximity, and a second authentication request is received from the fixed station when the fixed station detects that the wireless device is in close proximity. The first authentication request includes a unique identifier for identifying the wireless device and a unique identifier for identifying the fixed station, and the second authentication request includes the unique identifier. The wireless device is authenticated with the fixed station based on whether the unique identifier received in the first authentication request matches the second unique identifier received in the second authentication request.
INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/07788

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : H04B 1/04
US CL. : 455/411
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. : 455/411, 410; 701/201, 208

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)

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>X</td>
<td>US 6,505,215 B1 (KRUGLIKOV et al.) 07 January 2003, col. 5, line 20 to col. 8 line 57.</td>
<td>1-10</td>
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Further documents are listed in the continuation of Box C. See patent family annex.

Date of the actual completion of the international search
18 October 2005 (18.10.2005)

Date of mailing of the international search report
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