(54) Title: METHOD AND APPARATUS FOR HANDOFF BETWEEN A WIRELESS LOCAL AREA NETWORK (WLAN) AND A UNIVERSAL MOBILE TELECOMMUNICATION SYSTEM (UMTS)

(57) Abstract: A user equipment (UE) operating in a wireless system having at least one base station, communicates with base stations in neighboring wireless systems and conveys information regarding these neighboring wireless systems to the base station of its wireless system, which updates and stores this information for use in handover of UEs (S1, S2, S3). The BS may also obtain updates directly from the base stations of neighboring wireless systems which may include a diversity of systems such as WLANs, Bluetooth, UMTS, GPRS, etc., and provide to UEs a list of those wireless systems which the UEs need not provide updates to the BS providing the list (S4, S5).
Published:  
— with international search report

(88) Date of publication of the international search report: 25 March 2004

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/US03/20350

## A. CLASSIFICATION OF SUBJECT MATTER
- **IPC(7):** H04B 7/005; H04Q 7/34
- **US CL:** 455/436, 437, 442; 370/331, 332, 328, 338

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.: 455/436, 437, 442; 370/331, 332, 328, 338

**Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched**
- **NONE**

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

## 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 6,353,602 B1 (CHENG ET AL.) 05 MARCH 2002 (05.03.2002), COLS. 2-8.</td>
<td>1-12</td>
</tr>
<tr>
<td>A</td>
<td>US 6,061,565 A (INNES ET AL.) 09 MAY 2000 (09.05.2000), COLS. 2-5.</td>
<td>1-12</td>
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<td>A</td>
<td>US 6,201,968 B1 (OSTROFF ET AL.) 13 MARCH 2001 (13.03.2001), COLS. 2-5.</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

### Date of mailing of the international search report
03 DEC 2003

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Form PCT/ISA/210 (second sheet) (July 1998)