Abstract: A method and system is disclosed for load balancing in a wireless communication system. The method has two major processes for load balancing purposes: the first process moves a mobile terminal from its host base station to some less loaded base station after the expiration of a switch time interval determined by the signal strength difference between the original host base station and the base station that the mobile terminal is moving to; the second process moves the mobile terminal from its host base station to the base station with the strongest signal strength periodically.
- as to the applicant’s entitlement to claim the priority of the earlier application (Rule 4.17(Ui))

<table>
<thead>
<tr>
<th>Date of publication of the international search report:</th>
<th>4 October 2007</th>
</tr>
</thead>
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**Published:**
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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/US06/10262

A CLASSIFICATION OF SUBJECT MATTER
IPC(8) - H04Q 7/20 (2007.01)
USPC - 455/453
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)
IPC(8) - H04Q 7/20, H04Q 7/00, H04B 7/00 (2007.01)
USPC - 455/453, 450, 370/310, 331, 335

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)
MicroPatent

C DOCUMENTS CONSIDERED TO BE RELEVANT
<table>
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<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
</tr>
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<td>Y</td>
<td>US 6,069,871 A (SHARMA et al) 30 May 2000 (30 05 2000), entire document</td>
<td>10</td>
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</table>

D Further documents are listed in the continuation of Box C

D

* Special categories of cited documents

**A** document defining a general state of the art which is not considered to be of particular relevance

**E** earlier application or patent but published on or after the international filing date

**L** document which may throw doubts on prior art claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

**O** document referring to an oral disclosure, use, exhibition or other means

**P** document published prior to the international filing date but later than the priority date claimed.

Date of the actual completion of the international search
08 May 2007

Date of mailing of the international search report
08 AUG 2007

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