Abstract: A distributed wide area coverage system is disclosed that effectively expands the coverage area of the local wireless links by combining the signals from local area base stations and routing the combined signal back to the base stations. The base stations provide two-way open wireless communication channels among mobile devices situated within wireless signal coverage area of each of the base stations.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC: **H04Q 7/24 (2006.01),7/00 (2006.01);H04J 3/00 (2006.01);H04B 7/212 (2006.01),7/00 (2006.01),1/38 (2006.01);H04M 1/00 (2006.01)**

USPC: 370/338,328,336,337;455/41.2,561,554.2
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.: 370/338, 328, 336, 337; 455/41.2, 561, 554.2
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)
EASTImage and Keyword Search in USPAT, US-PGPUB, DERWENT, EPO, JPO, IBM_TDB

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>
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<tbody>
<tr>
<td>Y</td>
<td>US PGPUB 2003/0053524 A1 (Dent) 20 March 2003 (20.03.2003), figures 1, 3, paragraphs 14, 15, 23, 24, 57</td>
<td>1-18</td>
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<tr>
<td>Y</td>
<td>US PGPUB 2004/0001468 A1 (Bichot et al) 01 January 2004 (01.01.2004), paragraphs 14, 16</td>
<td>1-18</td>
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<tr>
<td>Y</td>
<td>US PGPUB 2004/0214597 A1 (Suryanarayana et al) 28 October 2004 (28.10.2004), paragraphs 6, 26, 29</td>
<td>8, 16</td>
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</tbody>
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See patent family annex.

Special categories of cited documents:

- “A” document defining the general state of the art which is not considered to be of particular relevance
- “E” earlier application or patent published on or after the international filing date
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Date of the actual completion of the international search
05 June 2008 (05.06.2008)

Date of mailing of the international search report
25 JUN 2008

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