Title: PROTOCOL USING FORWARD ERROR CORRECTION TO IMPROVE HANDOVER

Abstract: The present invention provides methods and apparatus for a wireless system (900) broadcasting a plurality of data packets to a wireless terminal (115) as the wireless terminal performs a handover in order to support a service. Corresponding data packets are sent in bursts from base stations (103,105) to the wireless terminal (115). The data packets are encoded with a forward error correcting (FEC) code, thus generating encoded symbols. When the wireless terminal executes a handover from the first base station (103) to the second base station (105), some of the encoded symbols (that are contained in the bursts of data packets) may be lost or may be corrupted, as result of practical network considerations and radio propagation characteristics. Consequently, the wireless terminal decodes the received data packets in accordance with the FEC code so that missing or corrupted encoded symbols may be determined.
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INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : H04Q 7/20, 7/36; H03M 13/00; H04L 1/18, 1/00; H04J 3/04
US CL : 370/331, 332, 334, 473, 474; 455/436, 437, 438, 439, 442; 714/752, 751, 701, 746, 755
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. : 370/331, 332, 334, 473, 474; 455/436, 437, 438, 442; 714/752, 751, 701, 746, 755

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database 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>
</table>

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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