METHOD OF TRANSMITTING DATA BASED ON ADAPTIVE MODULATION AND CODING

A method of transmitting data is provided. The method includes generating a frame, the frame comprising a data burst, a submap and a map wherein the submap indicates a resource allocation state of the data burst, and the map indicates a differential adaptive modulation and coding (AMC) level for the submap and transmitting data using the frame, wherein the differential AMC level is information on change in an AMC level applied to the submap comparing with other submap in a different frame. High-speed data transmission is realized and limited radio resources can be more efficiently used.
INTERNATIONAL SEARCH REPORT

PCT/KR2008/006525

A. CLASSIFICATION OF SUBJECT MATTER

H04L 27/18(2006.01)j

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 H04L 27/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Utility Models and applications for Utility Models since 1975
Japanese Utility Models and applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKIPASS (KIPO internal) & keywords AMC, adaptive modulation, coding

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<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 2007-0213070 A1 (DONG-HO KIM et al) 13 September 2007 See abstract, fig 1</td>
<td>1-8</td>
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</tbody>
</table>

Further documents are listed in the continuation of Box C
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
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Date of the actual completion of the international search
03 JUNE 2009 (03 06 2009)

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