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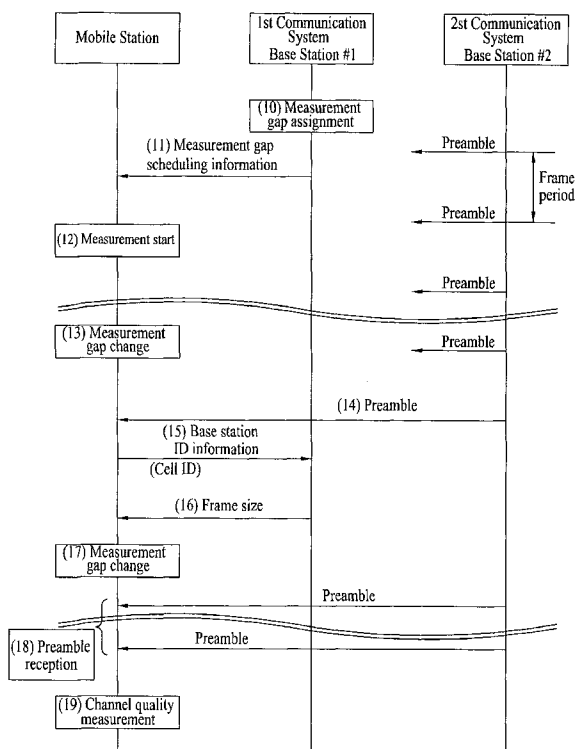
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[Continued on next page]

(54) Title: METHOD FOR RECEIVING PREAMBLE FROM OTHER COMMUNICATION SYSTEM AND METHOD FOR ADAPTIVELY CHANGING THE MEASUREMENT GAP TO DISCOVER THE OTHER COMMUNICATION SYSTEM

FIG. 2



(57) Abstract: A method for receiving a preamble signal of another communication system and a method for adaptively changing a measurement gap to discover another communication system are disclosed. A method for receiving a preamble signal from a base station of a second communication system by a communicating mobile station in a first communication system includes receiving measurement gap scheduling information from a base station of the first communication system, if a preamble signal of the second communication system is not received during an assigned measurement gap, changing the measurement gap, and receiving the preamble signal of the second communication system during the changed measurement gap.

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INTERNATIONAL SEARCH REPORT

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PCT/KR2008/005513**A. CLASSIFICATION OF SUBJECT MATTER****H04B 7/26(2006.01)i**

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 H04B

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

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

eKIPASS, DELPHION, ESPACENET & Keywords : preamble, handover, gap, LTE, and similar terms.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6606341 B1 (KANTERAKIS, EMMANUEL et al.) 12.08.2003 See the abstract, column 3 lines 16-33, figure 2	1-12
A	US 7117003 B2 (KAYAMA, HIDETOSHI et al.) 03.10.2006 See the abstract, column 5 line 30 - column 9 line 43, figure 1B	1-12

 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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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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