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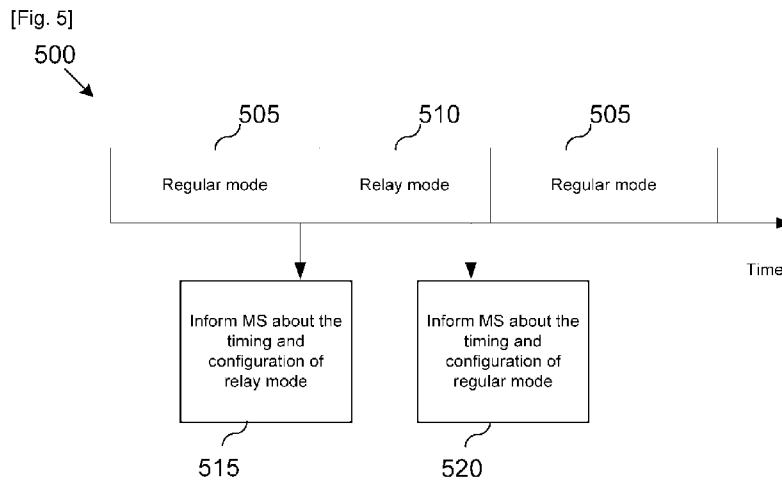
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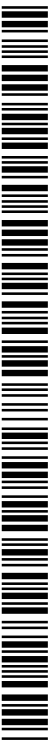
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[Continued on next page]

(54) Title: METHODS AND APPARATUS TO SUPPORT RECONFIGURATION IN SELF ORGANIZED WIRELESS COMMUNICATIONS AND NETWORKS



(57) Abstract: Prior to a change in a configuration, such as a change to the carrier frequency, bandwidth, base station type, and so forth of the base station, the base station can inform a subscriber station to prepare for the reconfiguration by sending a message to the subscriber station. The message informs the subscriber station regarding the change in configuration and a timing regarding the change. The base station can command the subscriber station to handover to the serving base station with the new configuration or the subscriber station can choose to handover to the serving base station with the new configuration. The subscriber station can perform network reentry to the serving base station with the new configuration at the time of or after the new configuration is effective. A communication context between the stations can be maintained and the network reentry can be optimized by omitting one or more operation procedures.



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## INTERNATIONAL SEARCH REPORT

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**PCT/KR2010/007942****A. CLASSIFICATION OF SUBJECT MATTER****H04W 48/12(2009.01)i, H04W 88/02(2009.01)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)

H04W 48/12; H04L 12/26; H04B 15/00; H04L 12/28; H04B 7/14

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  
Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) &amp; Keywords:Self Organizing Network,base station,Mobile station

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2009-0264077 A1 (ALEKSANDAR DAMNJANOVIC) 22 October 2009 See the abstract; claims 1-7; Figures 1-15.	1-14
A	US 2008-0123581 A1 (CHRISTOPHER ASHLEY WELLS et al.) 29 May 2008 See the abstract; claims 1-4; Figures 1A-2.	1-14
A	US 2009-0257353 A1 (OSOK SONG et al.) 15 October 2009 See the abstract; claims 1-12; Figures 1-27.	1-14
A	US 2004-0018839 A1 (ANDRIC OLEG et al.) 29 January 2004 See the abstract; Figures 1-75.	1-14

 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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"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

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

"&amp;" document member of the same patent family

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Information on patent family members

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