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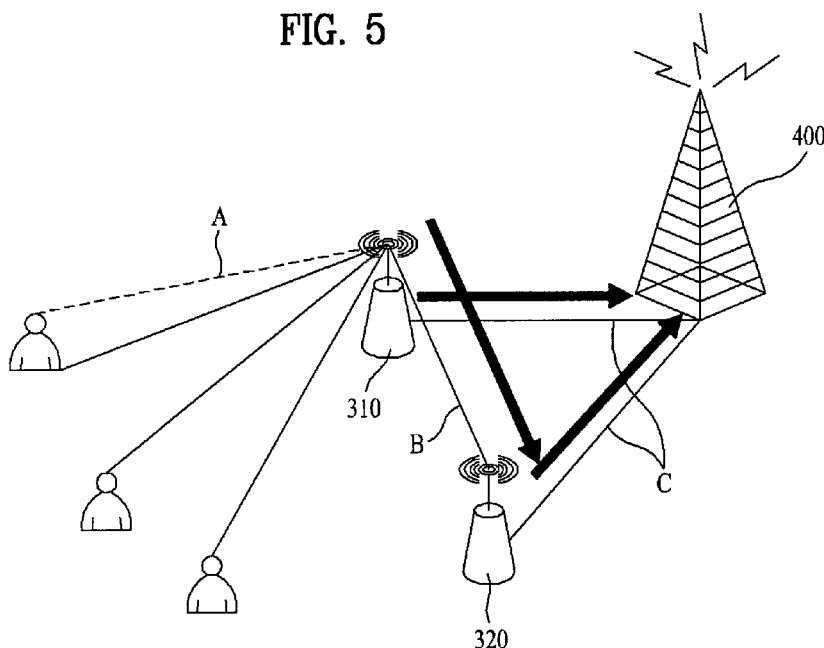
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(54) Title: METHOD FOR PROCESSING TRAFFIC IN UNUSED BAND IN AN INTERMEDIATE ACCESS POINT

FIG. 5



(57) Abstract: A method for efficiently processing traffic in an intermediate access point such as a relay station is disclosed. To process traffic directed from one or more terminals to a base station, an intermediate access point supporting two or more communication scheme receives traffic from the one or more terminals according to a first communication scheme, measures a congestion level of the received traffic, transmits a first traffic being part of the received traffic to a second intermediate access point according to a second communication scheme, if the congestion level is equal to or higher than a predetermined threshold, and transmits a second traffic being remaining traffic of the received traffic except the first traffic to the BS.



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INTERNATIONAL SEARCH REPORT

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PCT/KR2010/002383**A. CLASSIFICATION OF SUBJECT MATTER****H04B 7/14(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)

H04B 7/14; G06F 15/16; H04J 3/22; H04B 7/02

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) & Keywords: congestion control, threshold, second communication, selection

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2008-0045204 A1 (YUSUKE TAKANO et al.) 21 February 2008 See abstract, fig. 6 and paragraphs 50-57	1-2, 7-10, 15-16
A	US 2008-0056125 A1 (JARKKO KNECKT et al.) 06 March 2008 See abstract, fig. 3 and paragraphs 42-45	1-16
A	US 2008-0225829 A1 (SACHS JOACHIM et al.) 18 September 2008 See abstract, figs. 1-3 and claims 1-16	1-16
A	US 2008-0107075 A1 (RAMACHANDRAN SHYAMAL et al.) 08 May 2008 See claim 9	1-16

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

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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