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(54) **Title:** METHOD AND APPARATUS FOR OPERATION OF A COMMUNICATION DEVICE

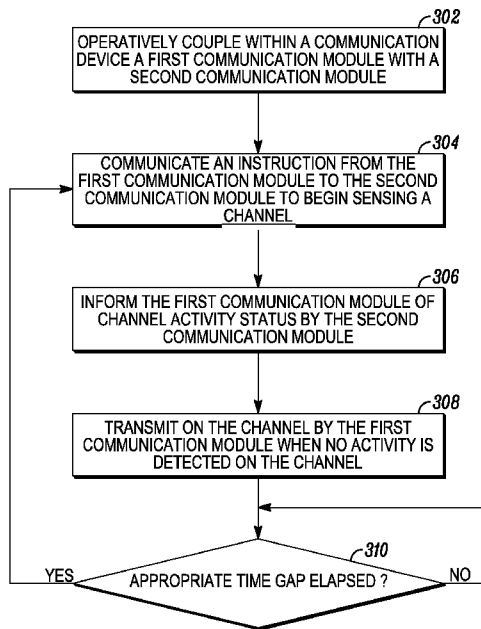




FIG. 3

(57) **Abstract:** A method of operation of a communication device. A first communication module is operatively coupled to a second communication module within the communication device. The second communication module is designed for carrier sensing. An instruction is communicated from the first communication module to the second communication module to begin sensing a channel on behalf of the first communication module. Next, the first communication module is informed of channel activity status by the second communication module. Thereafter, the first communication module transmits on the channel when no activity is detected on the channel.

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B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC H04B, H04W		
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 "communication module", "carrier sensing", "channel activity status"		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	US 7 110 752 B2 (ICHIRO OKAJIMA) 19 September 2006 See abstract, column 5, line 1 - column 9, line 3, figures 1,4,5, and claims 1,6	1-16
A	KR 10-2003-0035163 A (KTFREETEL CO , LTD) 09 May 2003 See abstract, figures 1,3-4, and claims 1,7,10	1-16
A	US 2005-0259673 A1 (HONGQIAN KAREN LU et al) 24 November 2005 See abstract, figure 7, and claims 1,4	1-16
A	KR 10-2005-0010270 A (LG ELECTRONICS INC) 27 January 2005 See abstract, figures 1-4, and claims 1,7	1-16
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> 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 "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "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 "&" document member of the same patent family		
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