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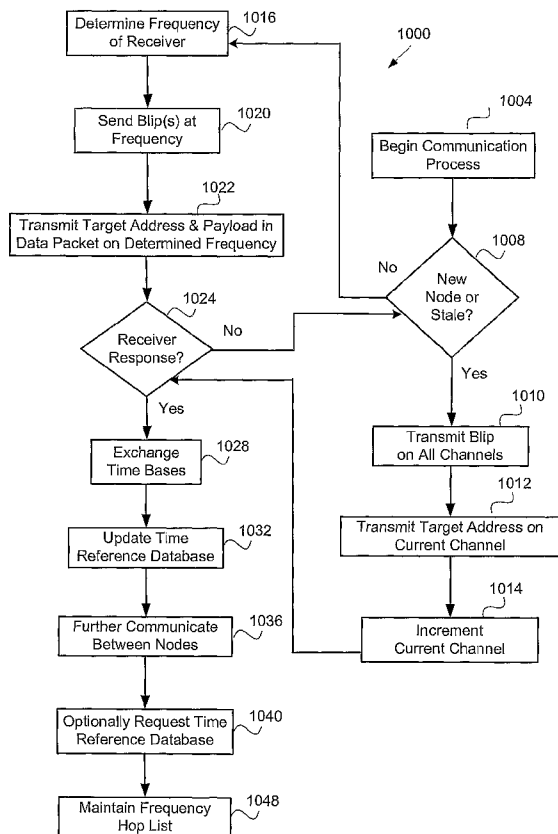
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(54) Title: WIRELESS COMMUNICATION SYNCHRONIZATION



(57) Abstract: A method of communicating among wireless devices (Fig. 10) includes providing a frequency hopping schedule to a target device (1016). The frequency hopping schedule includes a sequence of frequencies. The method also includes, at the target device, alternatel sleeping and listening on a frequency in the sequence of frequencies according to the frequency hopping schedule (1020), exchanging time base information between the target device and the transmitting device, at the transmitting device (1028), using the time base information to determine a current frequency of the target device (1016), from the transmitting device, and transmitting a packet of information uniquely addressed to the target device (1022).

WO 2006/060667 A3



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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/43648

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: **H04B 1/00( 2006.01)**  
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USPC: 375/132,133,135,136,367;370/431,437,471,474,475,503  
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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 U.S. : 375/132,133,135,136, 367;370/431,437,471,474,475,503

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 East: frequency hopping; time, addresss, sensors

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,130,987 A (FLAMMER) 14 July 1992. See abstract and fig. 5.	1-20
A	US 6,535,544 A (PARTYKA) 18 March 2003, see entire document	1-20

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

* Special categories of cited documents:	Symbol
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent published on or after the international filing date	"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
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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