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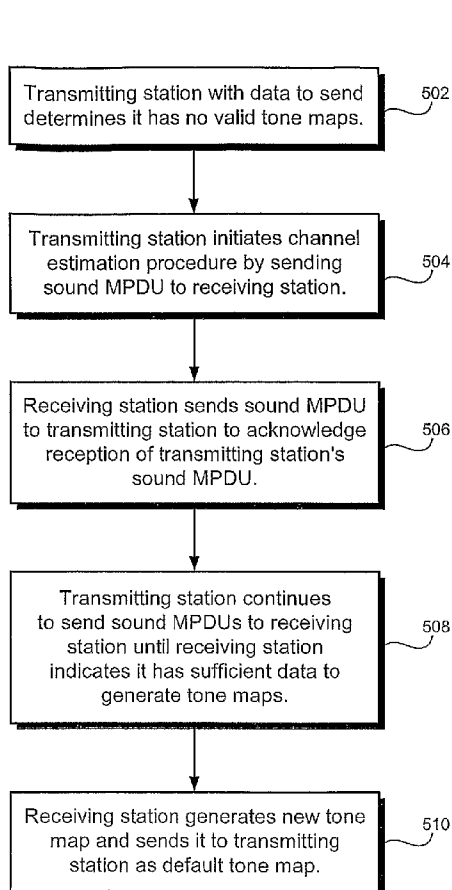
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(54) Title: BANDWIDTH MANAGEMENT IN A POWERLINE NETWORK



(57) Abstract: There is provided a powerline network (202, 220) that includes a number of stations (A, B, C, D) including a central coordinator (CCoI) for coordinating transmissions of each of the stations (A,B,C,D). Each of the stations (A, B, C, D) is configurable to generate one or more tone maps for communicating with each of the other stations (A, B, C, D) in the powerline network (202, 220). Each tone map includes a set of tones to be used on a communication link between two of the stations (A, B, C, D). Each tone map further includes a unique set of modulation methods for each tone. Each of the stations (A, B, C, D) is further configurable to generate a default tone map for communicating with each of the other stations (A, B, C, D), where the default tone map is valid for all portions of a powerline cycle (404). Each of the stations (A, B, C, D) is further configurable to monitor its bandwidth needs and to request additional bandwidth from the central coordinator (CCoI).

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<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC(8) - H04B 7/212 (2007.01) USPC - 370/321 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) MicroPatent				
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	US 2004/0208139 A1 (IWAMURA) 21 October 2004 (21.10.2004) see whole document	1-25		
A	US 2004/0136396 A1 (YONGE III et al) 15 July 2004 (15.07.2004) see whole document	1-25		
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