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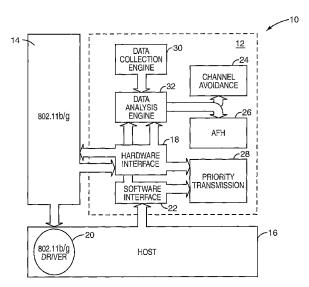
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(54) Title: METHOD AND APPARATUS FOR PERFORMING CHANNEL ASSESSMENT IN A WIRELESS COMMUNICA-TION SYSTEM



(57) Abstract: A system and method for classifying channels in a frequency hopping wireless communication system is provided. A data collection engine operates to obtain channel metrics (30) indicating the level of interference for each channel used by the wireless communication system. A data analysis engine (32) operates to provide a channel map for adaptive frequency hopping (AFH) (26) and/or a channel map for channel avoidance (24). More specifically, the data analysis engine first operates to filter the channel metrics to remove channel metrics indicative of frequency hopping interference. Next, the channels are divided into a number of channel blocks each including at least two adjacent channels. For each channel block, the channel metrics of the channels within the channel block arc combined to provide a metric sum. The data analysis engine then operates to classify each channel as usable or unusable based on the metric sums for each of the channel blocks.



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	JMENTS CONSIDERED TO BE RELEVANT		D. I Nla
Category *	Citation of document, with indication, where ap		Relevant to claim No.
X	US Pub. No. 2004/0013168 A1 (HAINES et al) 22 January 2004 (22.1.2004). fig. 2. paragraphs 6, 9, 10, 27, and 30. US 6,577,670 B1 (ROBERTS) 10 June 2003 (10.06.2003). fig. 2.		1-51
Α			
Α	US 6,084,919 (KLEIDER et al) 4 July 2000 (4.07.2000), fig. 1.		1-51
A US 6,760,309 B1 (GERTEN et al) 6 July 2004 (6.07.2004), fig. 3.			
A US Pub. No. 2003/0031231 (YOU et al) 13 February 2003 (13.02.2003), fig. 1.			1-51
Further	documents are listed in the continuation of Box C.	See patent family annex.	
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