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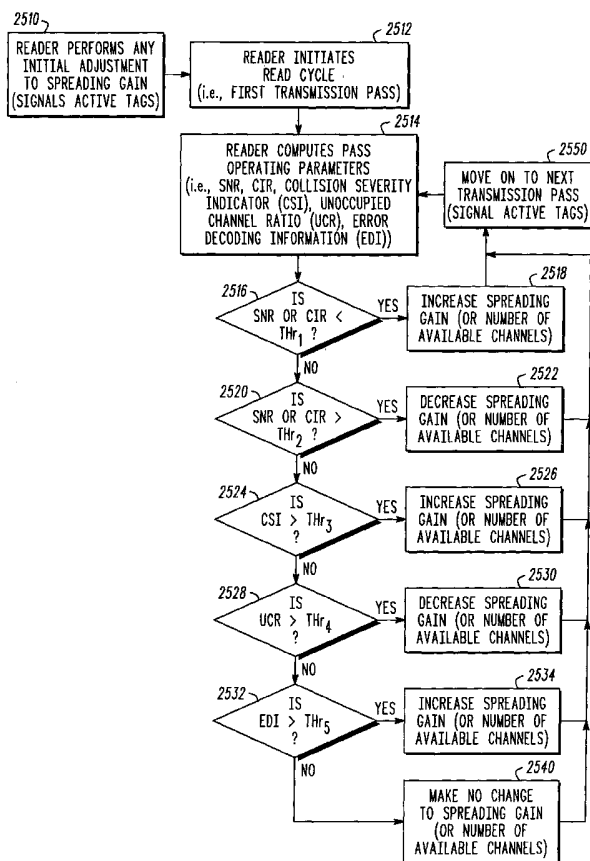
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR ADAPTIVE PROCESSING GAIN FOR MULTIPLE SOURCE DEVICES IN A COMMUNICATIONS SYSTEM



(57) Abstract: A method of dynamically adapting the number of available channels in a first set of available channels for use by at least one signal source in a communications system. The method includes the steps of computing at least one received signal statistic (2516, 2520, 2524, 2528, 2532); determining an adjustment to the number of available channels in the first set based on the at least one computed received signal statistic (2518, 2522, 2526, 2530, 2534, 2540); and signaling to each active signal source in the system to cause the signal sources to use the adjusted number of available channels for transmitting signals (2550).

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) : G01 R 31/08; G06F 11/00; G08C 15/00; H04J 1/16, 3/14, 3/16, 3/22; H04L 1/00, 12/43, 12/26 US CL : 370/252, 461, 465 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 370/203, 208-209, 252, 431, 461-462, 465 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) Please See Continuation Sheet		
<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 --- Y	US 2002/0099854 A1 (JORGENSEN) 25 July 2002 (25.07.2002), fig. 2D and para. 440, lines 4-7.	1-7 and 9-12 ----- 8
Y	US 5,025,486 A (KLUGHART) 18 June 1991 (18.06.1991), col. 7, lines 25-27.	8
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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