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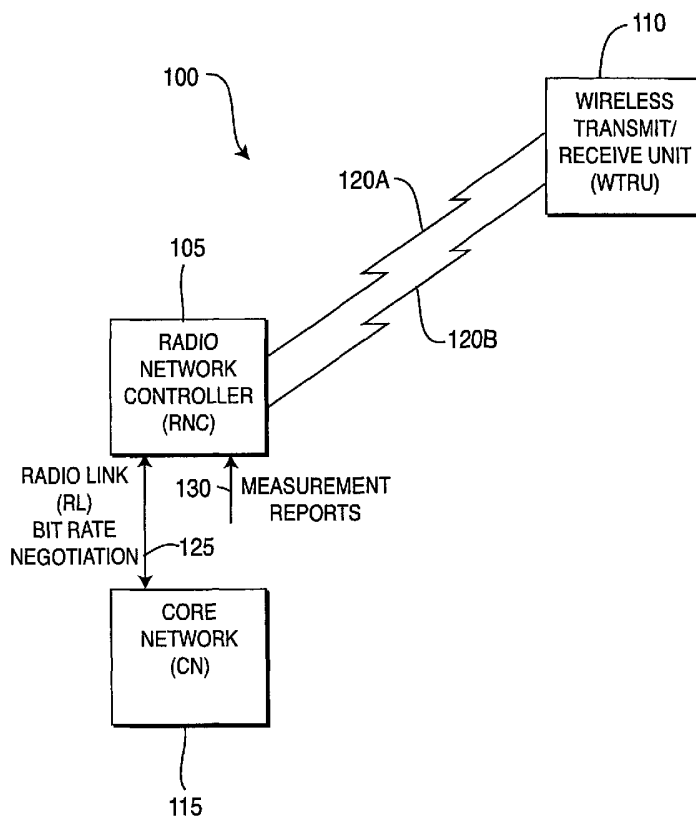
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[Continued on next page]

(54) Title: WIRELESS COMMUNICATION METHOD AND SYSTEM FOR CONTROLLING DATA BIT RATES TO MAINTAIN THE QUALITY OF RADIO LINKS



(57) Abstract: A wireless communication method and system for controlling the current data bit rate of a radio link (RL) to maintain the quality of the RL. The system includes a core network (CN), a radio network controller (RNC) and at least one wireless transmit/receive unit (WTRU). The RL is established between the RNC and the WTRU. The RNC establishes a guaranteed data bit rate, a maximum data bit rate and a current data bit rate associated with the RL. When the RNC senses an event which indicates that the quality of the RL has substantially deteriorated, the RNC reduces the value of the current data bit rate. Then, in a recovery process, if a similar event does not occur during an established waiting period, the RNC restores the current data bit rate back to the maximum data bit rate.



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B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 455/522, 516, 500, 502, 450, 445, 63.1, 452.2, 453, 436 438; 370/318, 331, 332, 332 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)																	
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>US 20020115443A1 (FRIBERG et al) 22 August 2002, see entire document.</td> <td>1-20</td> </tr> <tr> <td>Y,P</td> <td>US 20040047328A1 (PROCTOR, JR. et al) 11 March 2004, see paragraphs 7-15.</td> <td>1-20</td> </tr> <tr> <td>Y,P</td> <td>US 20040132441A1 (LIVERT et al) 8 July 2004, see paragraphs 14-19.</td> <td>1-20</td> </tr> <tr> <td>A,P</td> <td>US 20040106425A1 (KOO et al) 3 June 2004, see entire document.</td> <td>1-20</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	A	US 20020115443A1 (FRIBERG et al) 22 August 2002, see entire document.	1-20	Y,P	US 20040047328A1 (PROCTOR, JR. et al) 11 March 2004, see paragraphs 7-15.	1-20	Y,P	US 20040132441A1 (LIVERT et al) 8 July 2004, see paragraphs 14-19.	1-20	A,P	US 20040106425A1 (KOO et al) 3 June 2004, see entire document.	1-20
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