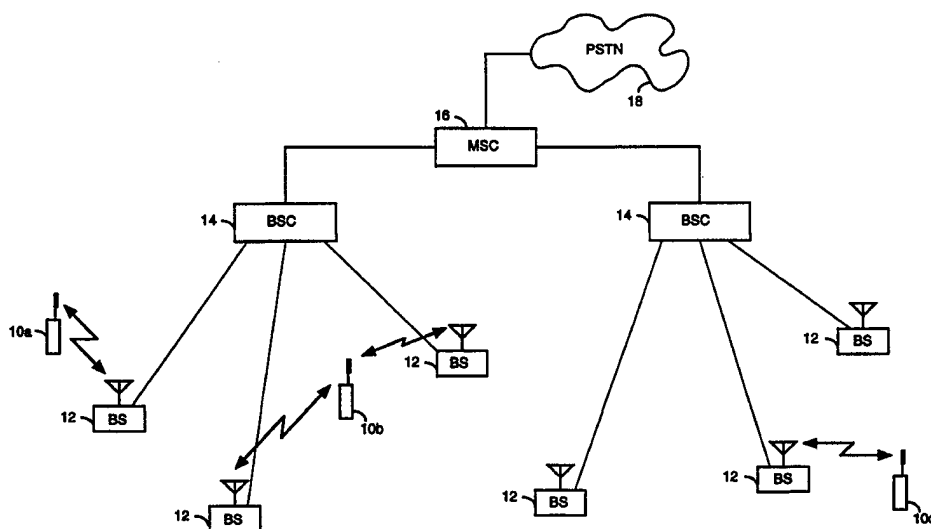




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(54) Title: A METHOD AND SYSTEM FOR WIRELESS COMMUNICATION



(57) Abstract

A method and system is described for conducting wireless communications, such as the transmission of voice and data in a code division multiple access (CDMA) wireless telecommunications systems. In an exemplary embodiment of the invention, a base station (12) transmits voice information at voice transmit power and data at a data transmit power that is equal to a maximum transmit power minus the voice transmit power. In a preferred embodiment of the invention, each base station (12) reports the voice transmit power to a base station controller (14) in 20 ms intervals. The base station controller (14) responds by calculating an available data transmit capacity, and by forwarding data to each base station (12) equal to the available data transmit capacity. Each base station (12) then transmits all voice data at the current voice transmit power, and data at the current data transmission power. If the amount of data received exceeds the capacity provided by the current data transmission power, some data is not transmitted. The base station (12) then notifies the base station controller (14) if data was not transmitted, and the base station controller attempts to retransmit the data at a later time.

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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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 practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	WO 96 04718 A (QUALCOMM INC.) 15 February 1996 see abstract see page 2, line 14 - line 31 ---	1-14
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A	US 5 568 483 A (PADOVANI ET AL) 22 October 1996 see abstract see column 4, line 56 - line 65; figure 1 -----	1-14

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Patent family members are listed in annex.

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