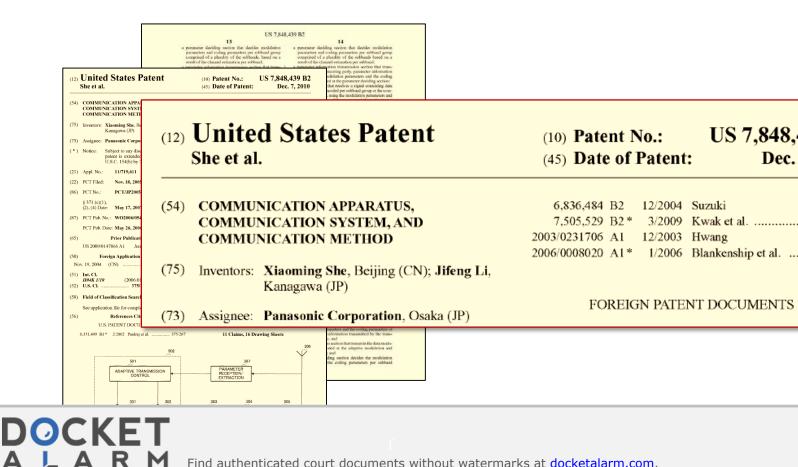
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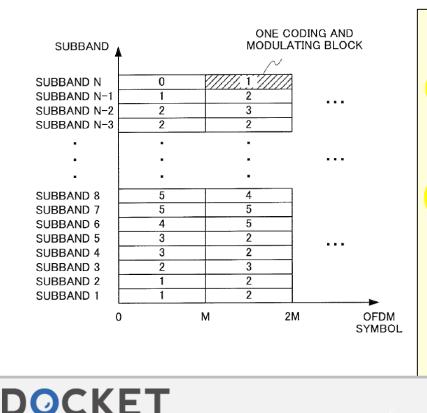
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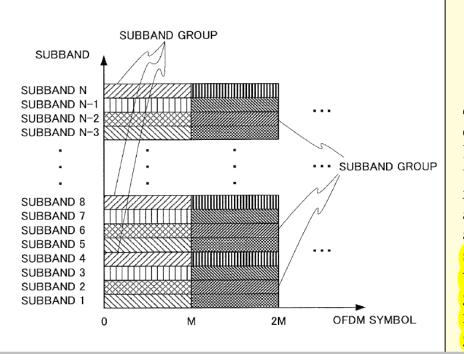




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adaptivity in this case refers to adaptivity at two time domain and frequency domain. Currently, a configuration, AMC in OFDM is divided into based on subcarriers and AMC based on subband based on subcarriers referred to here refers to transmission using a modulation method ar method that are different per OFDM subcarrier subcarrier as a minimum unit of adaptivity. Ho based on subcarriers is very difficult to be imple in addition, has the problem that feedback ove large. Typically, it is difficult to implement an *A* based on subcarriers in an actual system. As ano configuration in OFDM, a subband configuration pendent coding, namely, a subband adaptive m related art is, relatively, typically used.

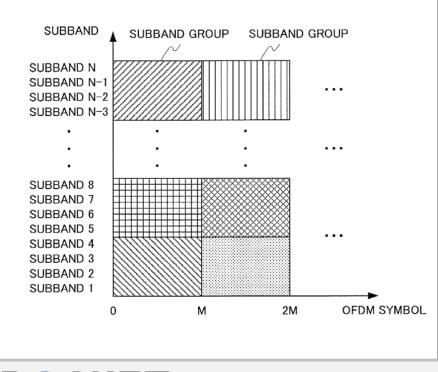
FIG. 2 shows subband adaptive modulation a the related art.



DISCLOSURE OF THE INVENTI

Problems to be Solved by the Invent

The object of the present invention is theref communication apparatus, a communication communication method capable of increasing lization rate of a system and particularly increa utilization rate based on high-speed fading and mation error, reducing the degree of difficulty and reducing the feedback overhead compared adaptive methods of the related art by combin subbands on a frequency domain of a subcarrie tion system based on a fixed rule to as to give se groups, and then selecting modulation and codi for use during joint coding with respect to group.



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