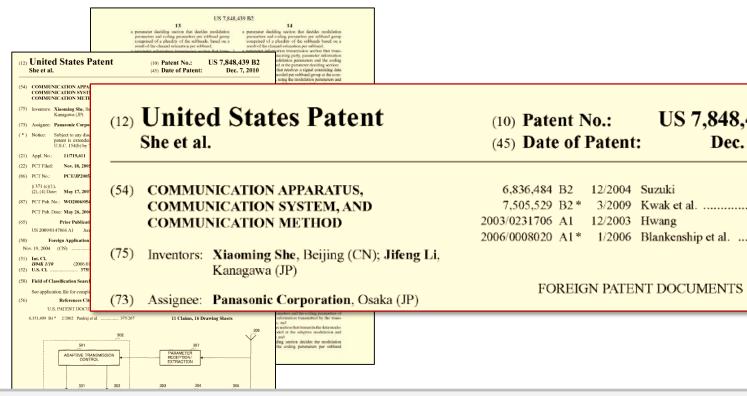
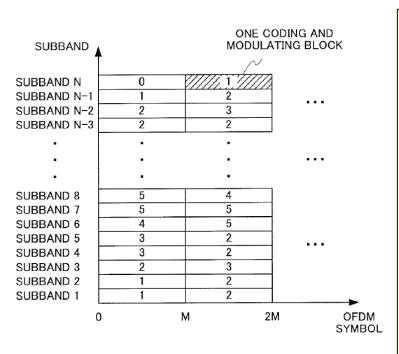
Patent Owner's Demonstrative U.S. Patent No. 7,848,439

IPR2018-01555 and -01581 January 8, 2019 Oral Hearing





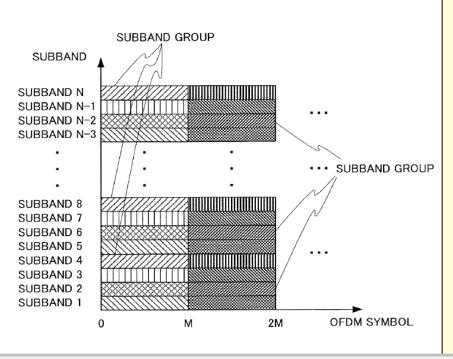




adaptivity in this case refers to adaptivity at two time domain and frequency domain. Currently, a configuration, AMC in OFDM is divided into based on subcarriers and AMC based on subband based on subcarriers referred to here refers to transmission using a modulation method at method that are different 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 over 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 marelated art is, relatively, typically used.

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



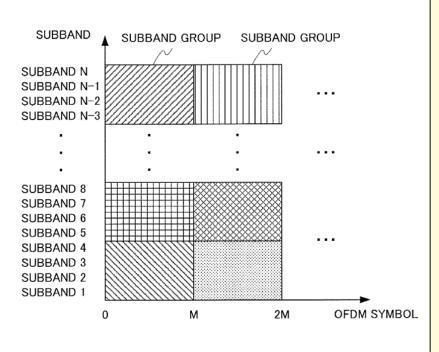


DISCLOSURE OF THE INVENTI

Problems to be Solved by the Inven-

The object of the present invention is thereft communication apparatus, a communication communication method capable of increasing lization rate of a system and particularly increasutilization 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 subcarrietion system based on a fixed rule to as to give segroups, and then selecting modulation and codifor use during joint coding with respect to group.





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