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#### (54) TECHNIQUES FOR SCHEDULING AND ADAPTATION TO COMBAT FAST FADING

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### ABSTRACT

Techniques to perform scheduling and adaptation to combat fast fading are described. An embodiment is a scheduling/adaptation scheme for a communications system for which different Orthogonal Frequency Division Multiplexing (OFDM) symbol durations and subcarrier spacing are employed for slow and fast subscribers, respectively. Other embodiments are described and claimed.

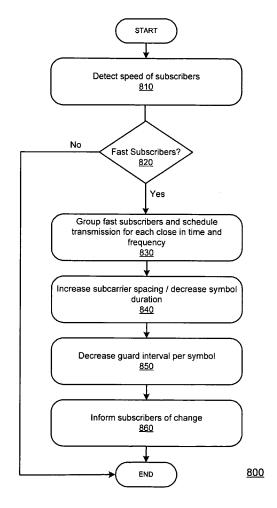




FIG. 1

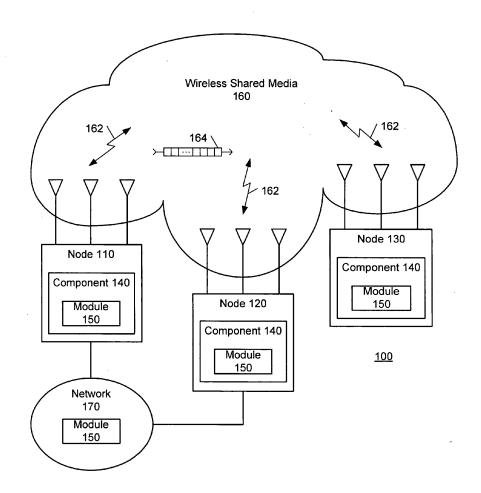


FIG. 2

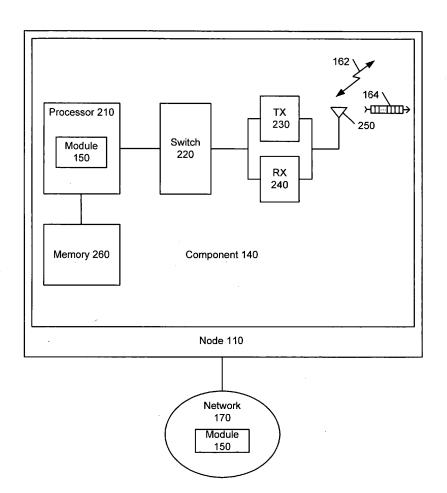


FIG. 3

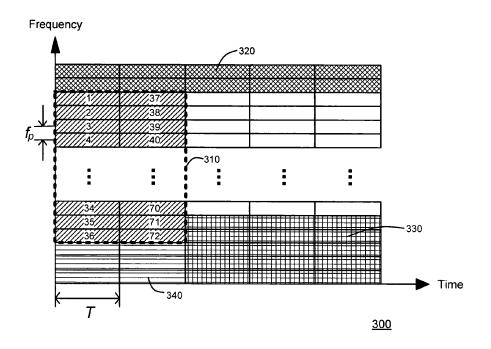
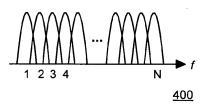
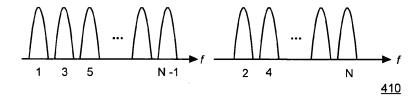


FIG. 4





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