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

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(57) **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.

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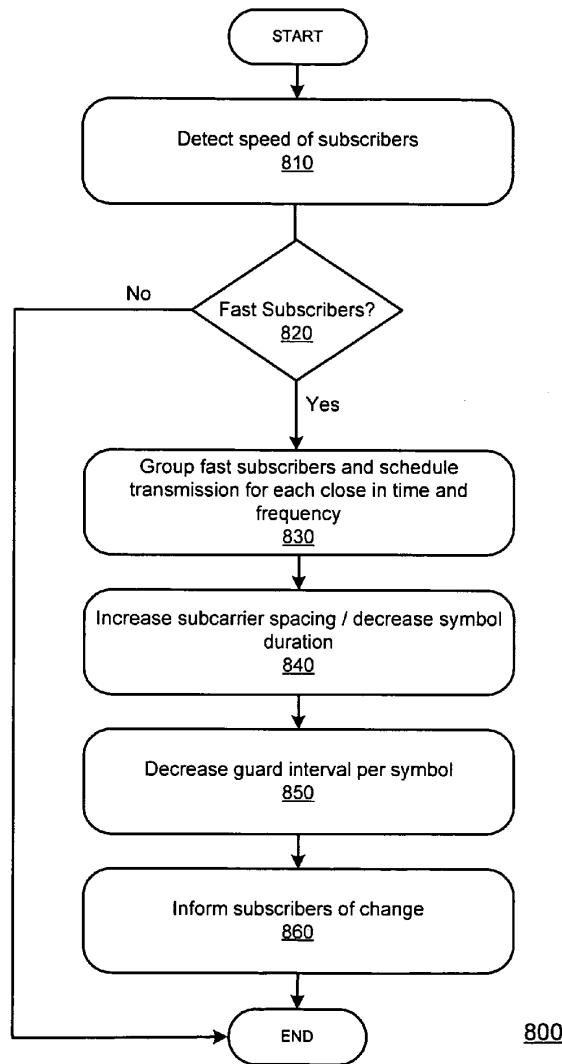


FIG. 1

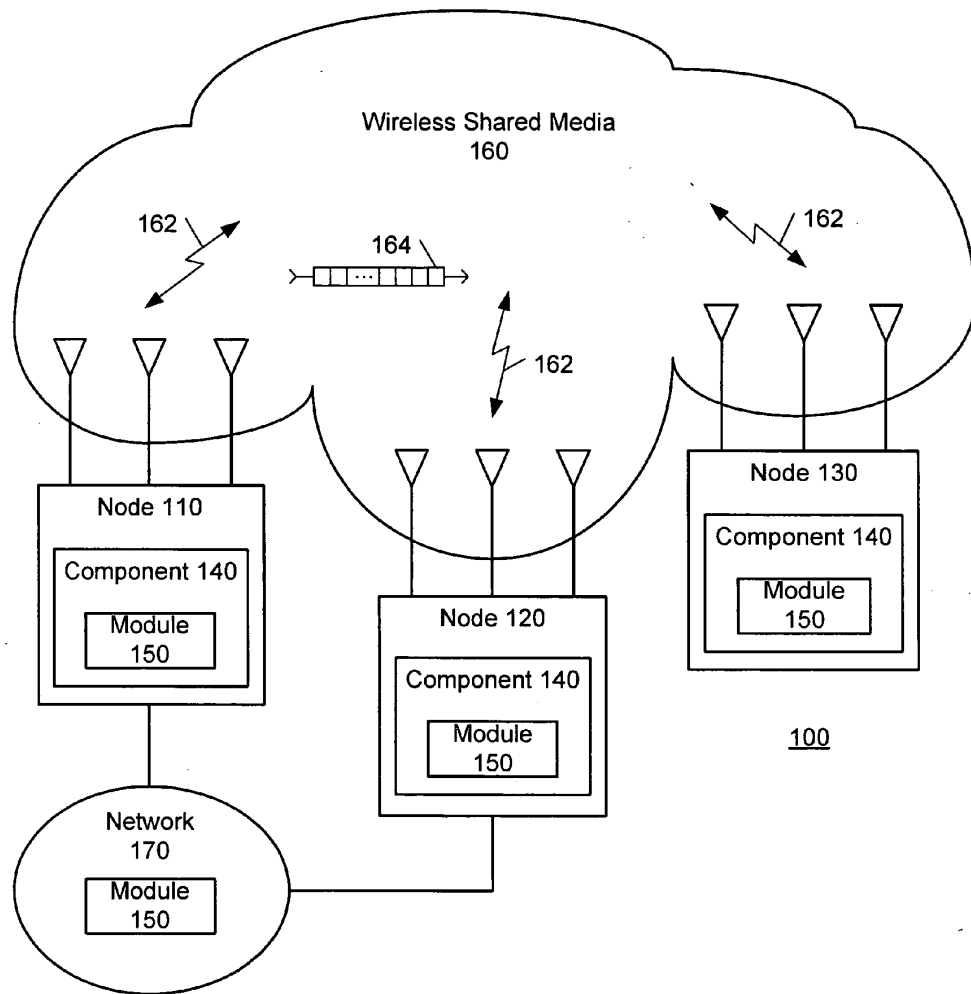


FIG. 2

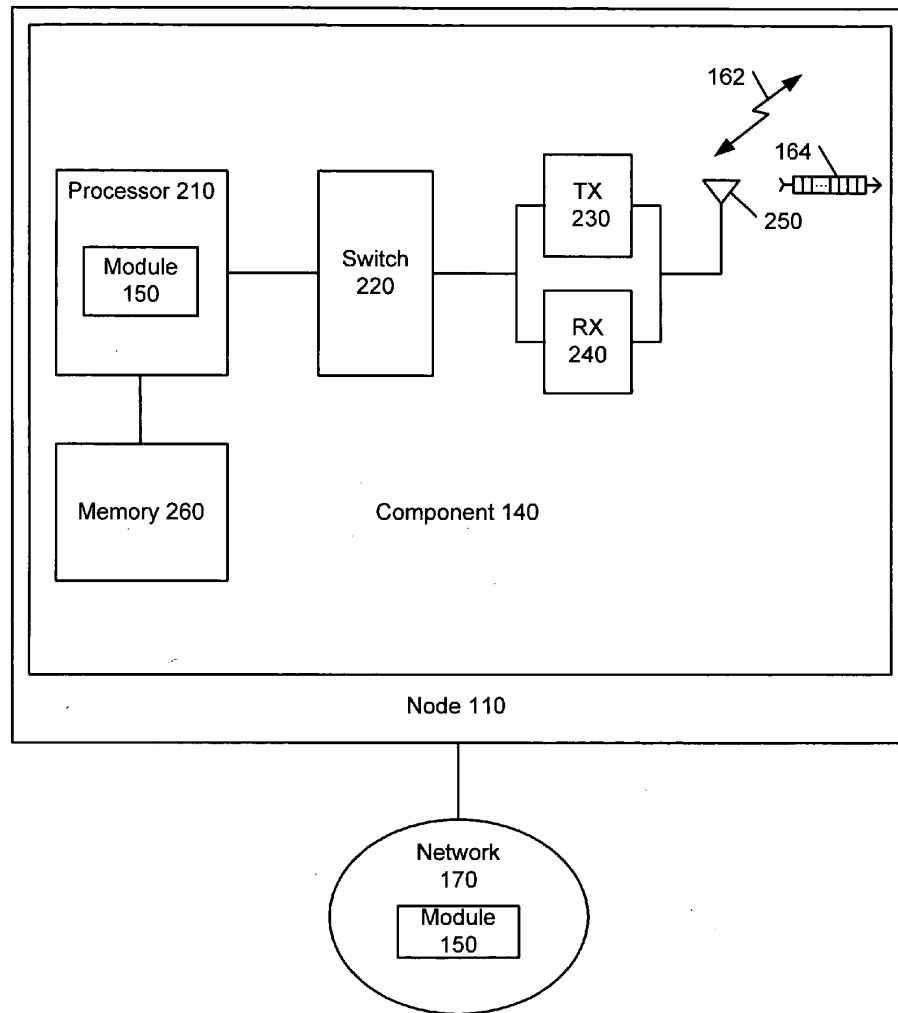
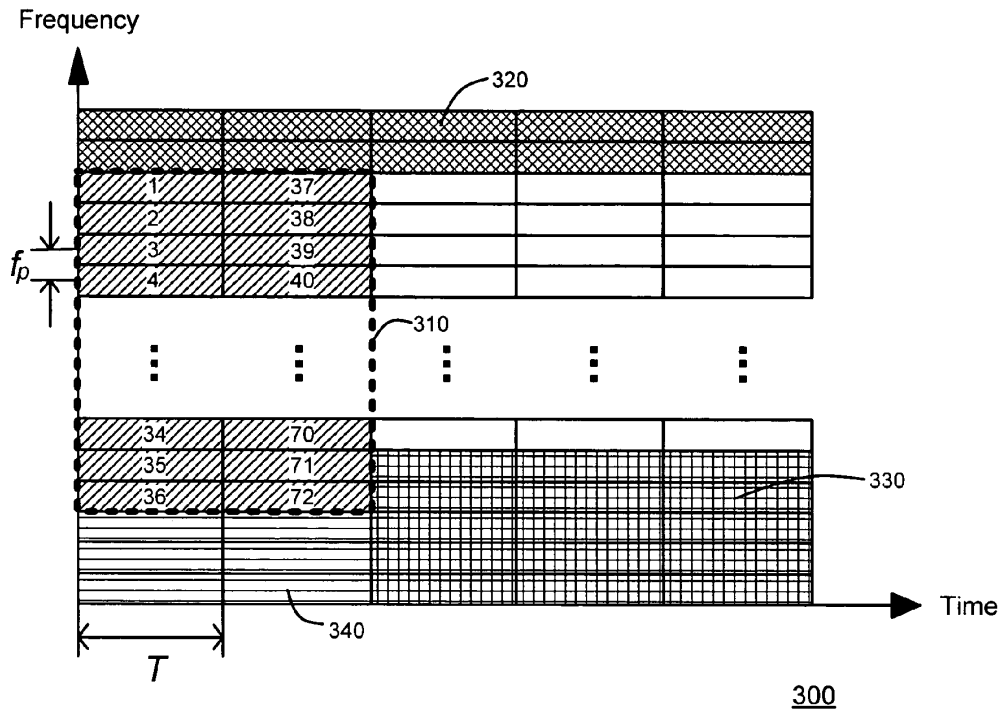
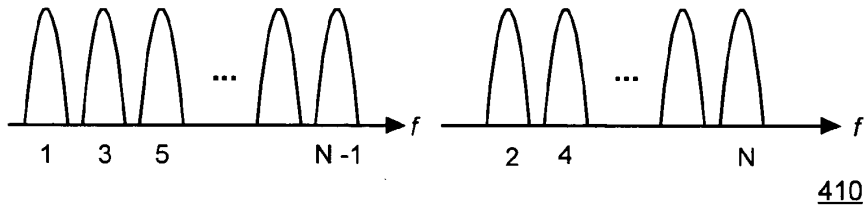
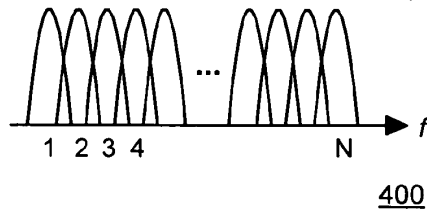


FIG. 3



**FIG. 4**



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