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(54) Title: COORDINATION OF SILENT PERIODS FOR DYNAMIC SPECTRUM MANAGER (DSM)

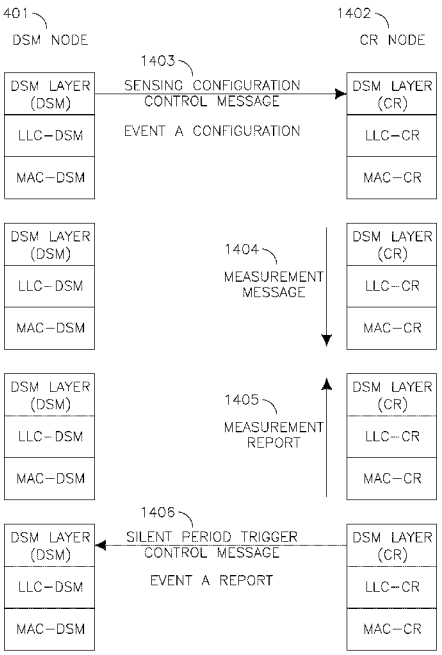


FIG. 14

(57) Abstract: A method for use in a Dynamic Spectrum Manager (DSM) for coordinating asynchronous silent periods in a network, the method comprising detecting a primary user in the network, transmitting a Silent Period Start Control Message to one or more cognitive radio (CR) nodes in the network, wherein the message indicates the start and duration of a silent period and initiates spectrum sensing,receiving a Measurement Report Control Message from the one or more CR nodes in the network indicating results of spectrum sensing, and transmitting a message to the one or more CR nodes, wherein the message instructs the one or more CR nodes to move to a different frequency based on the spectrum sensing results.

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