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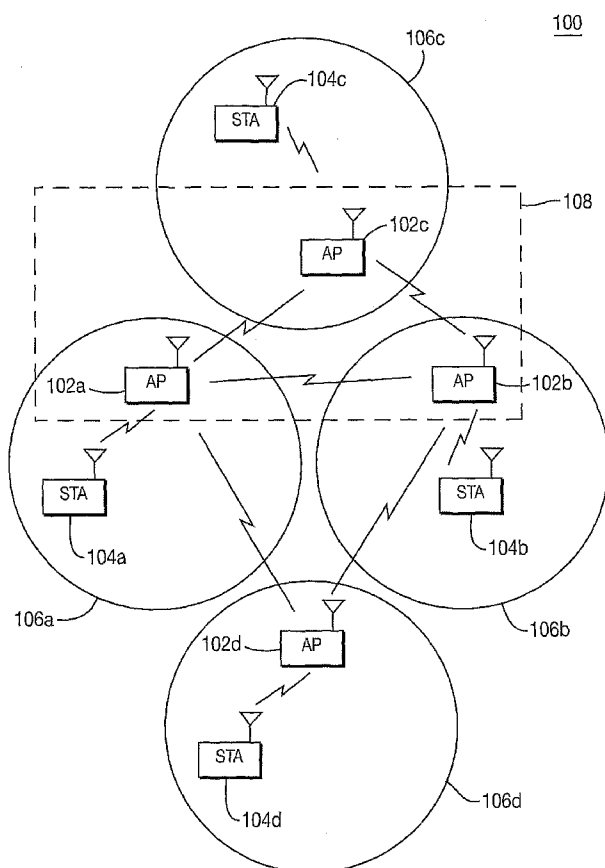
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(54) Title: METHOD AND SYSTEM FOR AUTONOMOUS CHANNEL COORDINATION FOR A WIRELESS DISTRIBUTION SYSTEM



(57) Abstract: A method and system for autonomous channel coordination for a wireless distribution system (WDS) are disclosed. A wireless communication system includes a plurality of access points (APs) and the APs communicate each other via a WDS. A coordinated channel group (CCG) of a plurality of member APs is established. The member APs of the CCG camp on a WDS channel used for the WDS among the member APs of the CCG. One AP among the member APs of the CCG is designated as a master AP. The master AP coordinates with other member APs of the CCG for selecting and configuring the WDS channel for the CCG and addition and deletion of member APs. By allowing APs to define a CCG, changes of the WDS channel are performed autonomously while maintaining connectivity.

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