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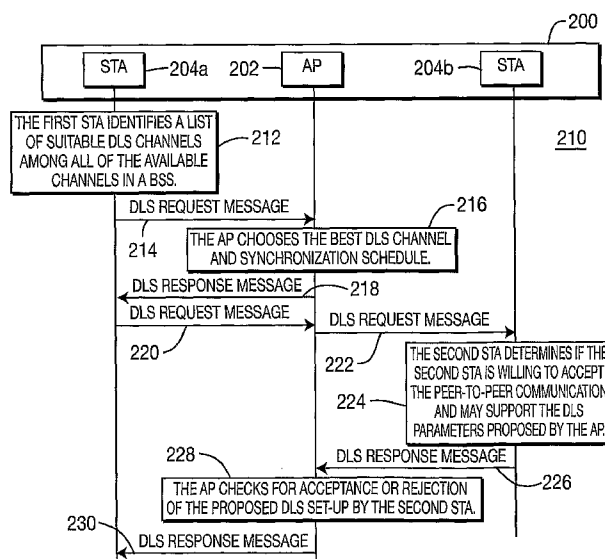
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(54) Title: METHOD AND SYSTEM FOR PERFORMING PEER-TO-PEER COMMUNICATION BETWEEN STATIONS WITHIN A BASIC SERVICE SET



(57) Abstract: A method and system for performing peer-to-peer wireless communication between stations (STAs) within a basic service set (BSS) while maintaining connectivity with an access point (AP) in the BSS are disclosed. A source STA, an AP and a destination STA negotiate a direct link setup (DLS) channel for performing peer-to-peer communication between the source STA and the destination STA. The DLS channel may be different from a BSS channel used for communication between the AP and each of the STAs. The source STA and the destination STA then perform peer-to-peer communication on the negotiated DLS channel.

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