

ACTIVE COMMUNICATION SESSION HANDOVER BETWEEN DIRECT AND RELAYED CONNECTIONS

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ABSTRACT

Methods and apparatus to manage communication sessions to handover between a direct connection at a secondary wireless device and a relayed connection to the secondary wireless device via a primary wireless device. A connection manager of a secondary wireless device can trigger transfer of a communication session based on measurements of performance metrics for the communication session. Upon detection of performance degradation in a local connection or a backhaul connection or both, the connection manager of the secondary wireless device can determine proximity of and/or capabilities for connections of the primary wireless device and instigate transfer of the communication session between different connection types, such as between a direct connection and a relayed connection. The transfer of the communication session can occur without user intervention or in response to input from the user without interrupting or reestablishing the communication session.

20 FIG. 5B