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(54) **MANAGEMENT OF MESSAGE TRANSMISSION USING FORWARD ERROR CORRECTION**

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(57) **ABSTRACT**

Various embodiments disclosed herein provide techniques for deciding when to use FEC to transmit a message between node devices in a mesh network. In various embodiments, a method includes receiving, by a communication application executing on a first node of a mesh network, a message; determining, by the communication application, a second node in the mesh network to transmit the message to, the second node being a neighbor of the first node; determining, by the communication application based on a history of forward error correction (FEC) and non-FEC transmissions with the second node, that FEC or non-FEC should be used to transmit the message; and transmitting, by the communication application, in response to determining that FEC or non-FEC should be used to transmit the message, the message to the second node using FEC or non-FEC.