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(54) Title: ADAPTIVE FORWARD ERROR CORRECTION

(57) Abstract: The disclosed communication system includes a Dynamic Multiple Input/Multiple Output Transmission System (DMTS) module, and an adaptive forward error correction (FEC) module. The FEC module includes a transmission module for receiving first packets and commands from the DMTS module, generating a parity check for n number of the first packets, and retransmitting the first packets with the parity check to a channel manager in a transmission direction. The FEC module also includes a receive module for receiving second packets from the channel manager in a receive direction. The DMTS controls when a parity check is sent for a given flow. The parity check may be sent across multiple channels, and the FEC module can be enabled or disabled for each traffic flow.



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