

ABSTRACT

FLEXIBLE UPLINK CONTROL CHANNEL CONFIGURATION

Systems, methods, devices, and computer program products are described for transmission of downlink channel quality information and acknowledgment information in a multi-carrier wireless communication system. Channel quality information may be estimated for a number of downlink carriers. An uplink control channel may be configured in a flexible manner based on the number of activated carriers and whether those carriers are configured with MIMO. The feedback cycle for the channel quality information may remain constant.

Figure 6