

WIRELESS COMMUNICATION METHOD AND APPARATUS FOR TRANSFERRING BUFFERED ENHANCED UPLINK DATA FROM A MOBILE STATION TO A NODE-B

Abstract

A wireless communication method and apparatus for transferring buffered enhanced uplink (EU) data from a wireless transmit/receive unit (WTRU) (105), i.e., a mobile station, to a Node-B (110). The EU data is generated and stored in a buffer (120) of the WTRU (105). The WTRU (105) transmits a message to the Node-B (110) including a request (210) for a desired transport format combination (TFC) or data traffic indicator. The Node-B (110) schedules one or more allowed EU data transmissions between the WTRU (105) and the Node-B (110) by transmitting an EU data scheduling message (215) to the WTRU (105). The WTRU (105) transmits all of the EU data stored in the buffer (120) to the Node-B (110) if the allowed EU data transmissions are sufficient to support transmission of all of the EU data stored in the buffer (120). Otherwise, the WTRU (105) transmits a portion of the EU data along with the desired TFC or detailed traffic volume measurement (TVM) information to the Node-B (110).

Figure 2