

DETECTION OF CHANNEL QUALITY INDICATOR

ABSTRACT

A method for improving the reliability of a channel quality indicator (CQI) (102, 106 Fig. 3) message in a wireless communications network begins with receipt of the CQI message. The CQI message is then decoded, and a decision metric value for each symbol in the CQI message is computed. A largest decision metric value and a second largest decision metric value for the CQI message are determined. The reliability of the CQI message can be determined by comparing the two largest decision metric values. This method may be applicable to high-speed downlink packet access in time division duplex, frequency division duplex, or other modes of transmission.

Figure 3