



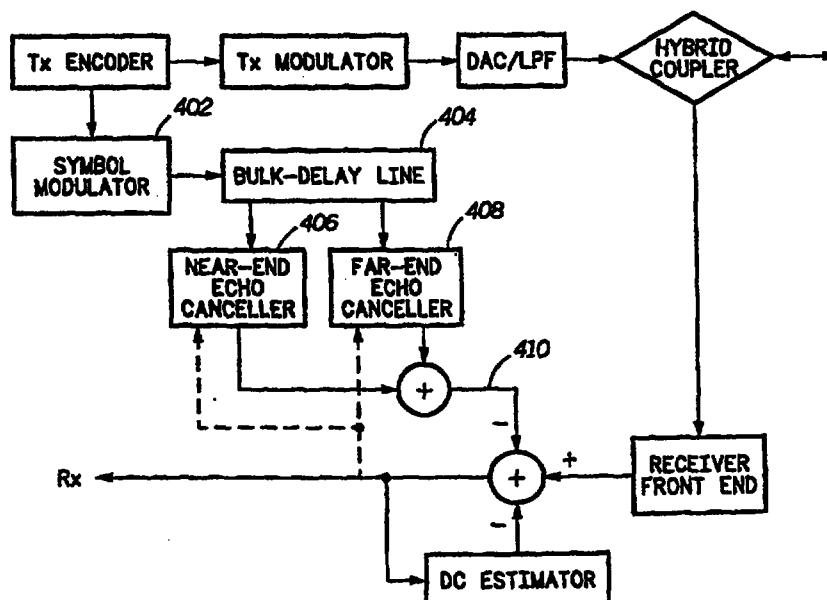
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(54) Title: APPARATUS AND METHOD FOR ADAPTING AN ECHO CANCELLER IN A COMMUNICATION SYSTEM



(57) Abstract

An apparatus and method for adapting an echo canceller in a communication system reduces the number of taps in the echo canceller filter in order to reduce the amount of processing resources consumed by the echo canceller. A near-end echo canceller (406) is disabled if the modem (402) operates on the digital side of a digital-to-analog connection. A far-end echo canceller (408) is disabled if the modem (402) operates on the analog side of a digital-to-analog connection or if the round-trip delay is below a predetermined threshold. The far-end echo canceller (408) is truncated if the span of the far-end echo canceller overlaps the span of the near-end echo canceller (406).