

Abstract

An adaptive trellis decoder (40) system employs a state transition trellis with a predetermined number of states for
5 decoding a group of interleaved data packets. The trellis decoder system also accommodates data interruptions and transitions between different types of data. The system decodes groups of interleaved trellis encoded data packets with a single trellis decoder in response to a synchronization signal derived from the
10 interleaved encoded data. The decoder (40) employs a state transition trellis with a predetermined number of states. The state transition trellis may be reset to a predetermined state in response to a detected synchronization interval in the encoded data. The decoder may also decode re-aligned data produced by
15 removing intervening synchronization intervals from the interleaved encoded data, in response to a detected synchronization interval.

Figure 1