

BIAS CONTROL APPARATUS FOR A DATA SLICER IN  
AN AUXILIARY VIDEO-INFORMATION DECODER

Abstract

An auxiliary video information decoder for extracting an auxiliary video information signal from a video signal includes a data slicer and apparatus for adjusting the slicing level of the data slicer. The slicing level is adjusted rapidly until a reference component of the auxiliary information signal is detected during a display interval of the video signal in which auxiliary video information is expected to occur. A count is incremented after display intervals in which the reference component is detected and is decremented after display intervals in which the reference component is not detected. Slicing level adjustment ceases while the count is at least a predetermined number. The apparatus rapidly adapts the slicing level to long-term video signal amplitude changes of significant magnitude (e.g. following a channel change) and maintains a constant slicing level when transient variations occur in the video signal amplitude.

FIGURE 2

