

A SYSTEM FOR ACQUIRING AND PROCESSING VIDEO DATA AND
PROGRAM GUIDES TRANSMITTED IN DIFFERENT CODING FORMATS

Abstract

A receiver system (12) automatically adaptively tunes (20) to broadcast signals that are variable in the number of channels 5 that are transmitted, their signal coding type and their modulation format. A system receives a digital bitstream representing video information encoded in one of a plurality of different formats, and transmitted on one of a plurality of transmission channels. The system includes a processor (17,55,20,25,30,50) for identifying 10 and capturing program guide information including a plurality of channel maps. A channel map associates a transmission channel with a video channel output and the channel map is also associated with an encoding format. The system also includes an adaptive decoder (35,40,45) for decoding the bitstream to provide 15 the video channel output in response to the program guide information.

Fig. 1