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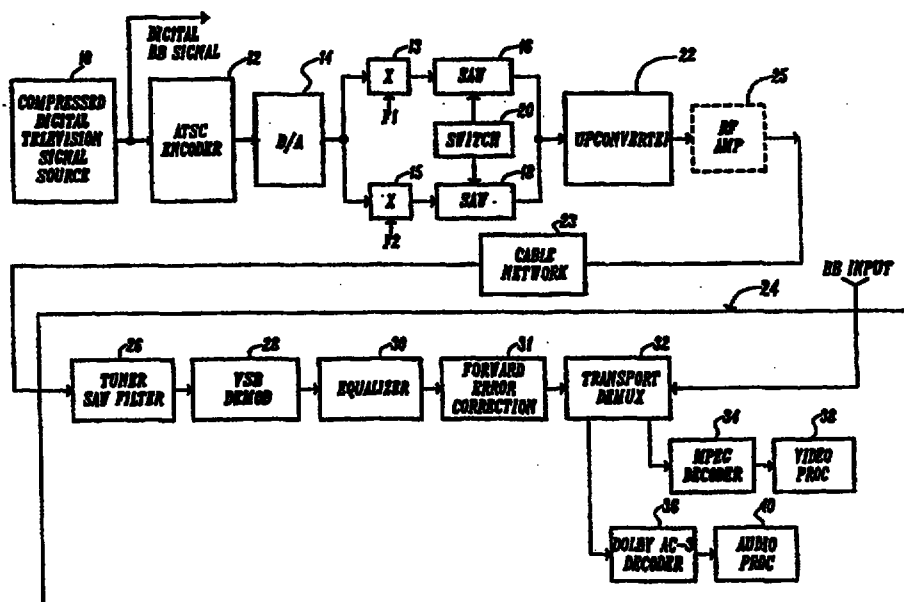
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(54) Title: VSB ENCODER AND RF MODULATOR FOR DIGITAL TELEVISION RECEIVER



(57) Abstract

An encoder-modulator (12, 13, 15) for coupling a digital baseband television signal to a VSB digital television receiver (24) that includes filters (26), equalization circuitry (30) and forward error correction circuitry (31) for correcting signal impairments that are below a given threshold. The encoder modulator processes the baseband signal for low power transmission on an RF channel with less-than-nominal bandpass characteristics. A coaxial cable (23) or other low noise communication link directly connects the RF signal to the RF input of the television receiver (24). Any errors or signal impairments in the transmitted signal that are below the predetermined threshold are corrected by the filters and equalization circuitry built into the VSB digital television receiver (24).