

Abstract of the Disclosure

ADAPTIVE CHANNEL EQUALIZER HAVING A TRAINING MODE

An adaptive channel equalizer (50) for processing a demodulated (18) VSB signal containing terrestrial broadcast high definition television information operates adaptively in blind, training, and decision-directed modes. The VSB signal is characterized by a data frame format constituted by a succession of data fields each containing a data segment prefaced by a field sync segment. Equalization is expedited by recycling (35) received training data through the equalizer more than once during a VSB data field after a field sync segment is detected.

Fig. 1