Abstract

APPARATUS FOR TRANSMITTING/RECEIVING GHOST-CANCELING REFERENCE SIGNAL IN PAL TV

An apparatus for transmitting/receiving a ghost-canceling reference signal in a PAL TV is disclosed including a transmitting means where a ternary sequence ghost canceling reference signal is attained by making a ternary sequence pass through a low-pass filter and amplitude-scaled, the signal being transmitted while loaded on a certain line of a vertical blanking interval of every even frame, and a receiving means where sync separation is made from a broadcasting signal received, and the ternary sequence ghost-canceling reference signal transmitted therefrom is caught and then compared with another previously stored ternary sequence ghost-canceling reference signal, to obtain a coefficient of a digital filter. Therefore, a ghost produced due to characteristics of a transmitting channel is completely canceled even in PAL mode. The transmitting/receiving apparatus is capable of being adaptable to PAL TV receivers, VCRs and set-top boxes.