

[54] PAY TELEVISION SYSTEMS 3,081,376 3/1963 Loughlin et al..... 178/5.1  
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[\*] Notice: The portion of the term of this patent subsequent to July 16, 1991, has been disclaimed.

[22] Filed: Dec. 28, 1973

[21] Appl. No.: 429,216

**Related U.S. Application Data**

[62] Division of Ser. No. 227,582, Feb. 18, 1972, Pat. No. 3,824,332.

[52] U.S. Cl. .... 178/5.1; 178/DIG. 13

[51] Int. Cl.<sup>2</sup> ..... H04N 1/44

[58] Field of Search ..... 178/5.1, DIG. 13

[56] **References Cited**

**UNITED STATES PATENTS**

2,972,009 2/1961 Roschke ..... 178/5.1

[57] **ABSTRACT**

Reference pulses of opposite polarity to the horizontal sync pulses are added to the composite television signal just preceding each horizontal sync pulse. The video portion of the signal is inverted for randomly selected fields. Coding bursts are added to the composite signal to indicate whether subsequent field is inverted. Transmitter clamped to reference pulse level. Reference pulse used for AGC in decoder. Video portion of received signal inverted in accordance with coding bursts. Audio program signals encoded by modulation on suppressed carrier centered above audio range. Barker signals transmitted on normal audio frequencies.

6 Claims, 16 Drawing Figures

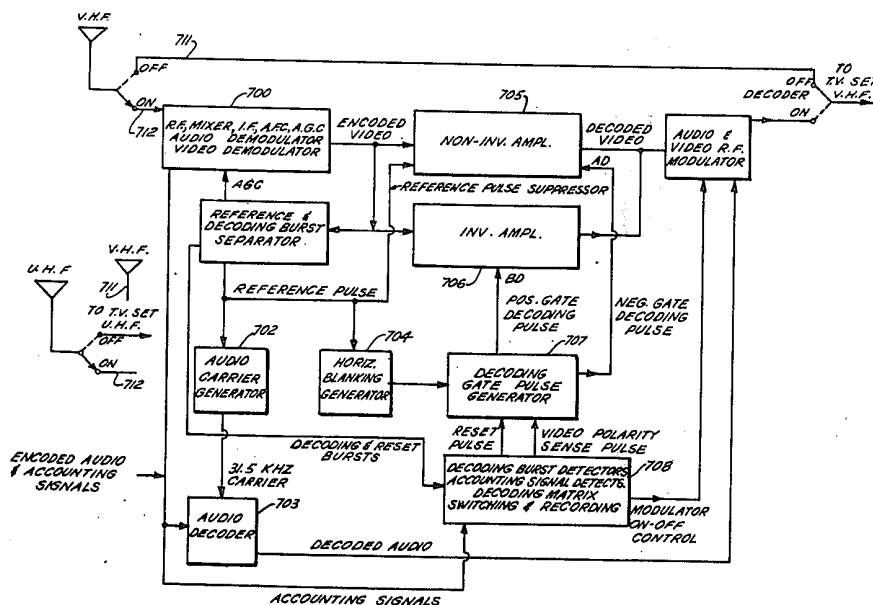


FIG. 1

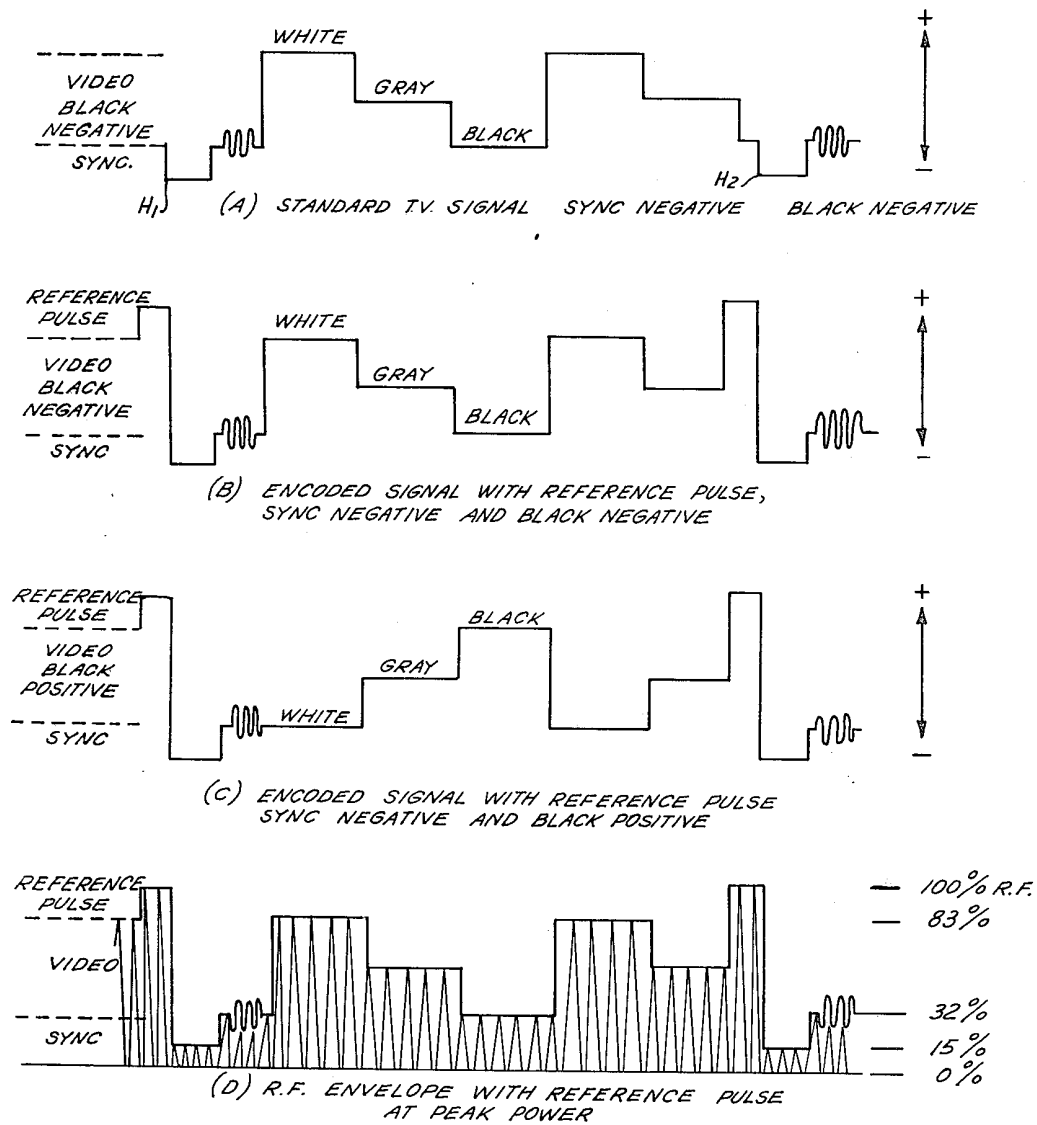


FIG. 2

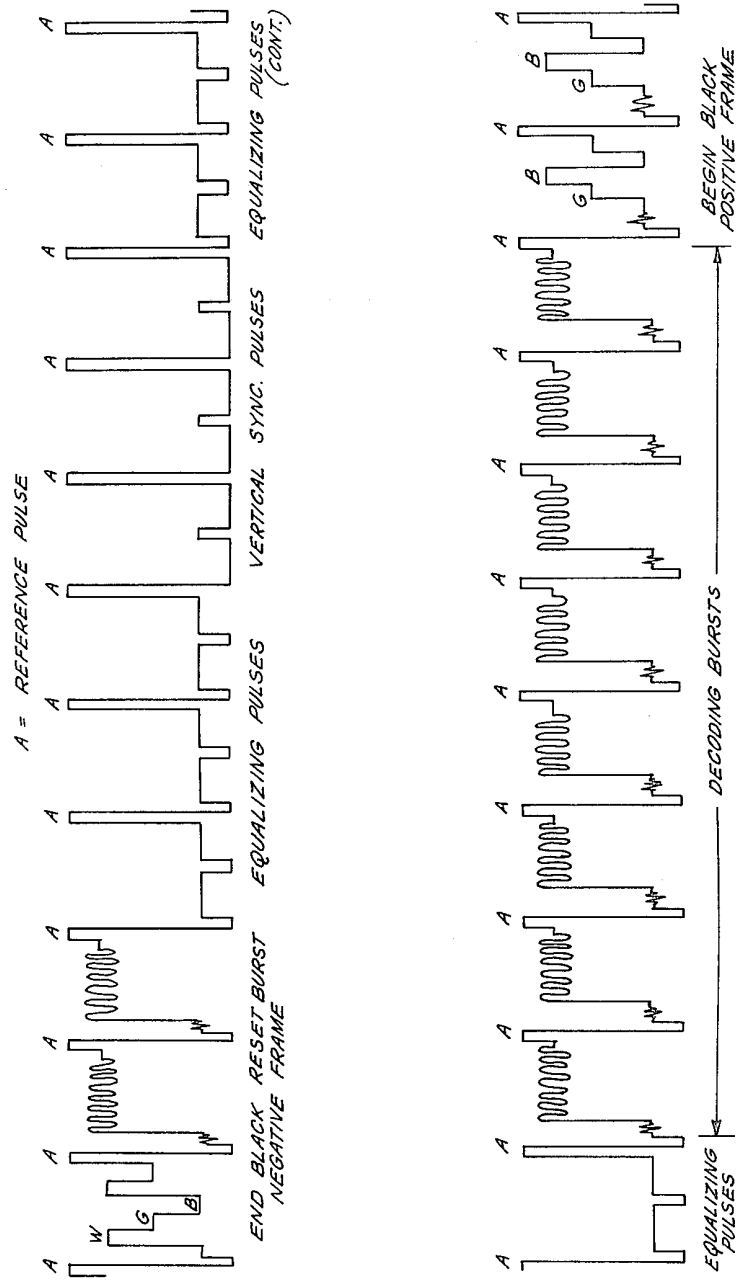


FIG. 3

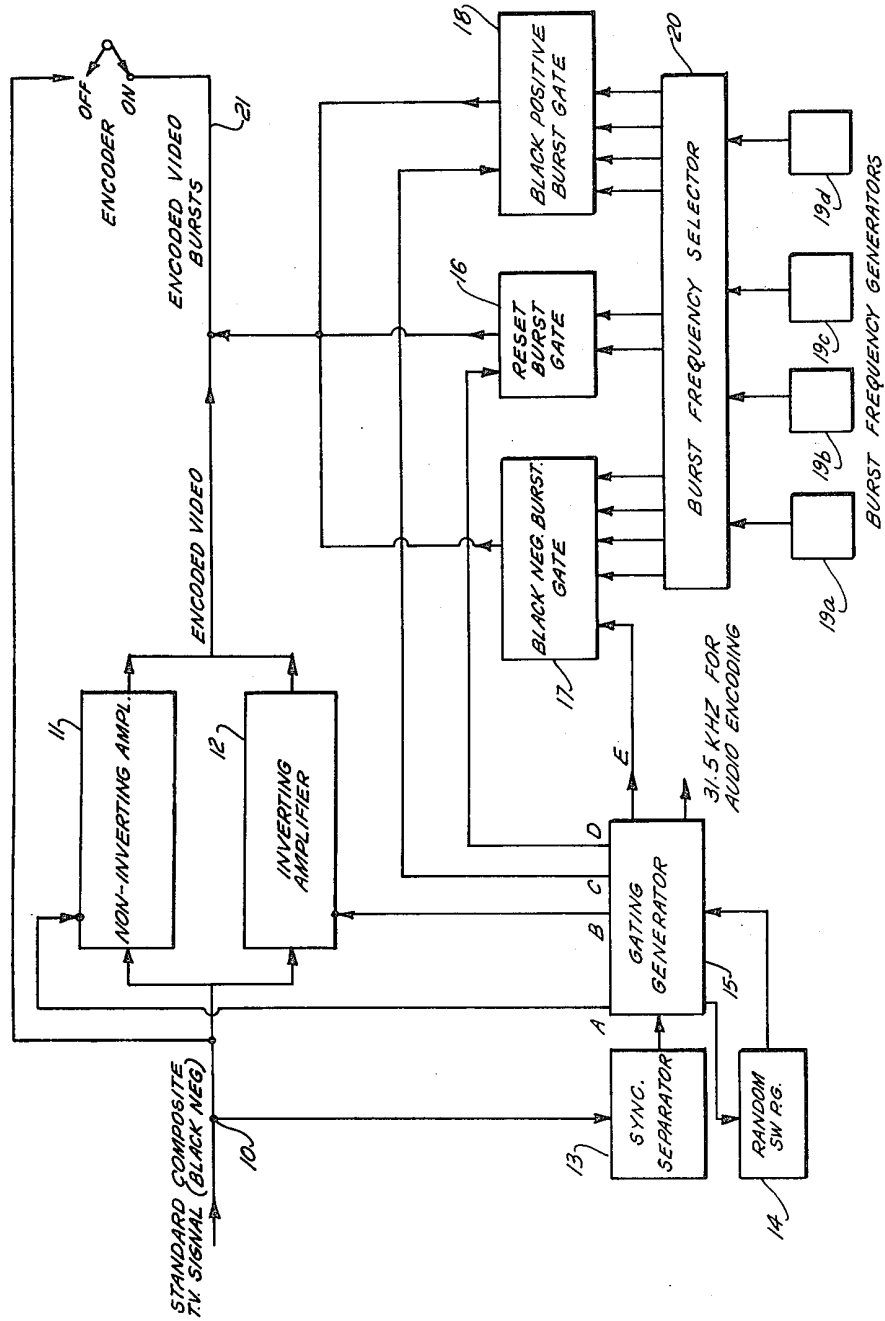
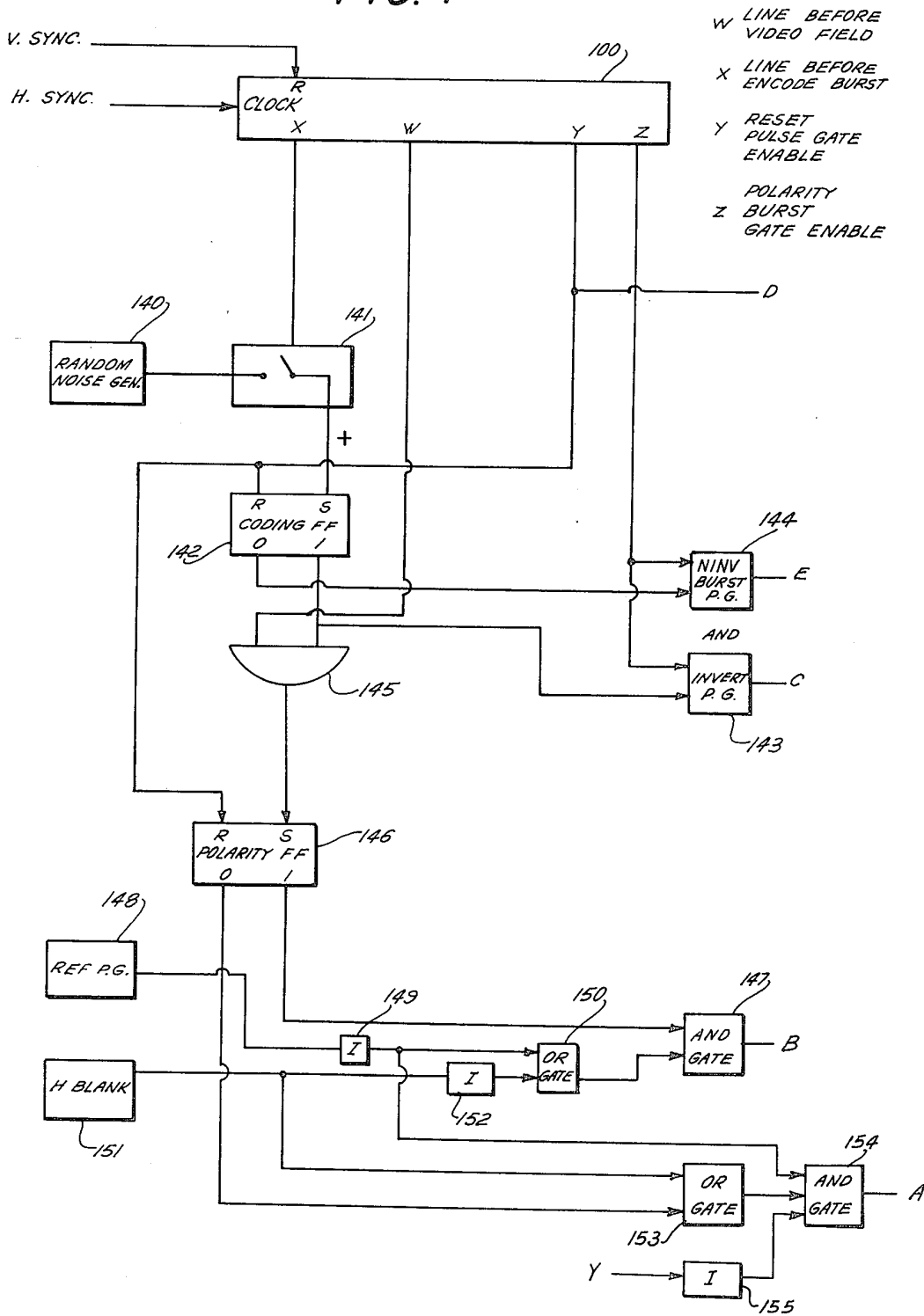


FIG. 4



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