

CIRCUIT FOR USE IN POSITIVE MODULATION AGC SYSTEMS

Abstract of the Disclosure

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An AGC system for use in positive modulation schemes of video signals is provided. The AGC system utilizes an IF amplifier (12), a demodulator (14), a video amplifier (16), a gated amplifier (18) and a peak detector (20). The gated amplifier has a first, relatively fast, time constant associated therewith. The first gated amplifier, which is activated during the time interval that the black voltage appears on the video signal, is responsive to an initial reference voltage (V_{REFB}) and to the video signal for providing an output signal to control the gain of the IF amplifier.

15 The peak detector has a second, relatively slow, time constant associated therewith. The peak detector is used to detect the peak white voltage level of the video signal to adjust the initial reference voltage to account for fluctuations and errors in the peak white voltage level.

FIG. 1 accompanies this abstract.