

AMPLIFIER FOR SCANNING BEAM VELOCITY MODULATION

ABSTRACT OF THE INVENTION

Scanning beam velocity modulation or SVM may be employed to produce subjective enhancement of picture sharpness. However, impulsive SVM deflection current (I1, I2, I3, I6, I7, I8) may
5 produce unwanted crosstalk into other circuitry thus a circuit configuration is disclosed where SVM currents are confined. An apparatus for electron beam deflection comprises a cathode ray tube having a scanning electron beam. A coil (L) for supplementary electron beam deflection is mounted on the cathode ray tube. An amplifier
10 (Q5, Q6) is coupled between a supply of power and a return circuit and has an input coupled to a signal representing a video signal edge transition. The amplifier (Q5, Q6) has an output which is coupled to the coil (L) for generating a pulse current (I1, I6) therein for electron beam deflection responsive to the signal. The amplifier (Q5, Q6) and the coil
15 (L) are configured for circulation of the pulse current mainly within the coil (L) and amplifier (Q5, Q6) output without substantial pulse current flowing in the power supply and return circuit.

20 FIGURE 1