

THIS SHEET HAS BEEN
REPLACED

A VOLTAGE REGULATOR IN A TELEVISION APPARATUS

ABSTRACT

An input signal coupled to a deflection circuit through an isolation transformer (T3) during a power-on operation but not power-off, develops voltage V_{Lim} in a linearity inductor (L_{LIN}) of the deflection circuit. The voltage in the linearity inductor is rectified to produce rectified signal (V121) coupled to a regulator oscillator of a power supply, isolated by the transformer (T3) from the input signal. The oscillator generates trigger pulses (S_C) for controlling the switching operation of an SCR. The increased frequency causes the anode-to-cathode voltage of the SCR switch to be small, to prevent latching during power-off. By preventing latching, audible parasitic vibrations in the power supply are avoided.

FIGURE 1

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This is the replacement sheet

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