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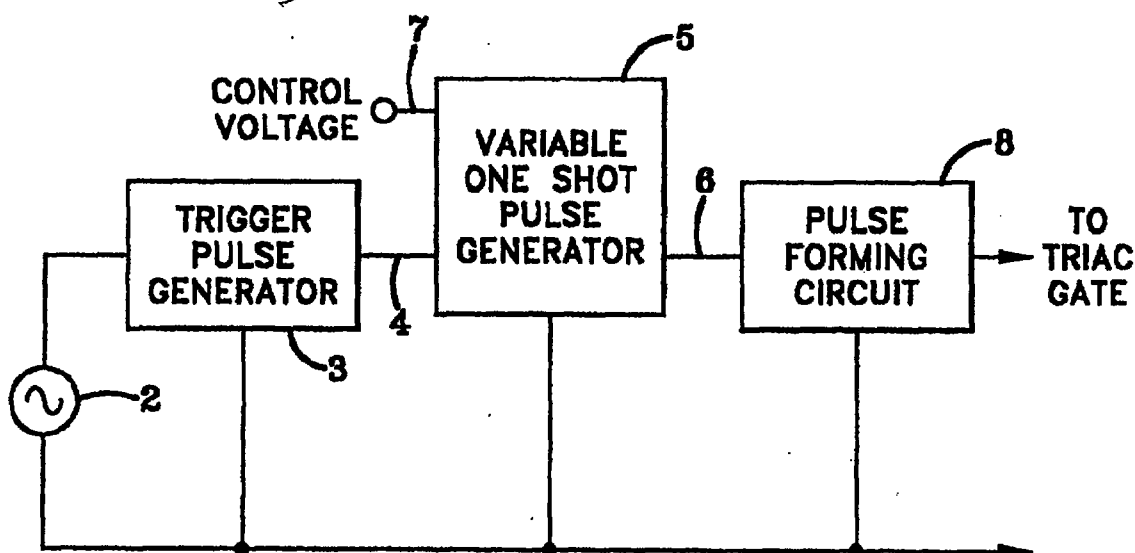
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(54) Title: TRIAC CONTROL CIRCUIT



(57) Abstract

A common and inexpensive integrated 555 timing circuit is used to vary the timing of triac firing pulses in response to a control voltage. A trigger pulse generator (3) generates a pulse at each zero crossover of an AC line (2). This pulse initiates a variable, one shot pulse generator (5) which generates a rectangular pulse. The rectangular pulse terminates following a time interval which is controlled by the magnitude of a control input signal. A pulse forming circuit (8) generates a triac firing pulse at the termination of the rectangular pulse from the one shot pulse generator (5).