



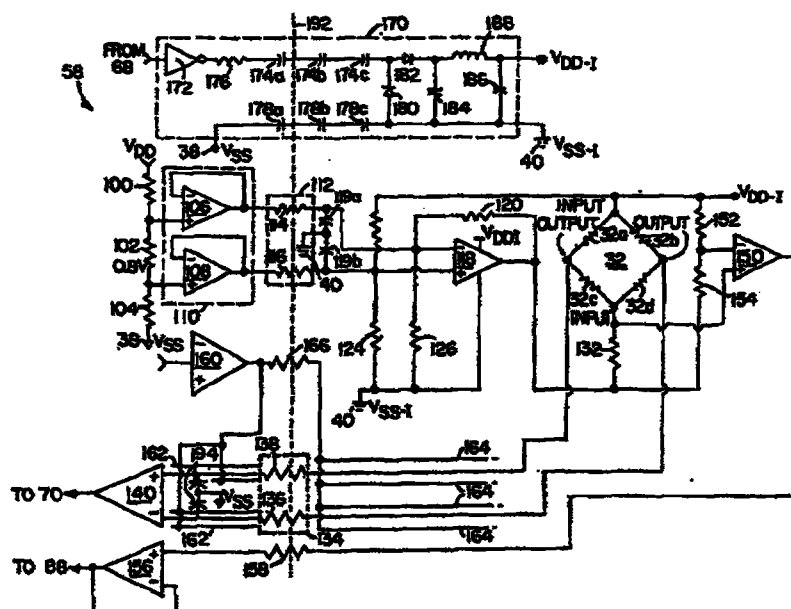
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(54) Title: ISOLATION CIRCUITRY FOR TRANSMITTER ELECTRONICS IN PROCESS CONTROL SYSTEM



(57) Abstract

A transmitter (12) in a process control system (10) includes isolation circuitry (58) which isolates transmitter electronics (26) from a sensor bridge circuit (32). The isolation circuitry (58) includes high impedance isolators (114, 116) in series with high impedance buffers (106, 108) to electronically isolate the transmitter electronics (26) from the bridge (32). A power supply is isolated using a series of capacitors (174a-c; 178a-c) connected to a periodic signal.