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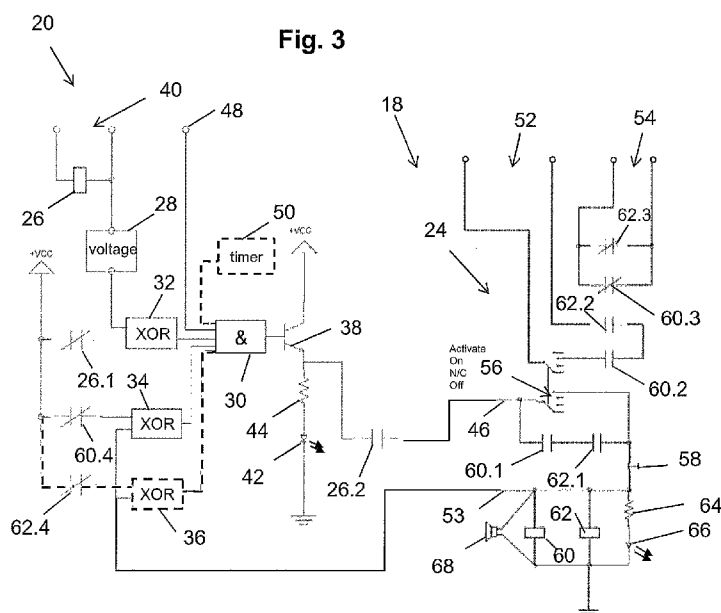
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(54) **Title:** ELECTRONIC WIRE BRIDGE WITH SAFETY CIRCUIT

(57) **Abstract:** An electronic bridge system (18) includes a first interface to couple to an electrical or electro-mechanical installation to receive system information from the installation, and a second interface to couple to a second component of the installation, wherein the second component is to be bypassed or interrupted by the bridge system. Further, the system includes a bridge circuit (24) coupled to the second interface and having a control port, and a safety circuit (20) coupled to the first interface and having an output coupled to the control port. The bridge circuit (24) is configured to cause bypassing or interrupting the second component upon activation, and the safety circuit (20) is configured to output one of an enable signal and a disable signal as a function of the system information, wherein the enable signal activates the bridge circuit (24).