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(54) **ELECTRICAL RECEPTACLE FAULT PROTECTION**

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(57) **ABSTRACT**

An electrical receptacle contains a plug outlet that has a pair of contacts for electrical connection to respective hot and neutral power lines. A controlled switch, such as a TRIAC, is connected in series relationship between the outlet contact and the hot power line. Sensors in the receptacle outputs signals to a processor having an output coupled to the control terminal of the controlled switch. The processor outputs an activation signal or a deactivation signal to the controlled switch in response to received sensor signals that are indicative of conditions relative to the first and second contacts.

