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(71) Applicant (for all designated States except US): **PRO-  
TECTELEC PTY LTD** [AU/AU]; 12/56 Industrial Drive,  
Mayfield, NSW 2304 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CALLEN, Wayne**  
[AU/AU]; 18 Bentley Street, Redhead, NSW 2290 (AU).

**BRISSENDEN, Richard, Leslie** [AU/AU]; Lot 392,  
Howells Road, Abbernethy, New South Wales 2325 (AU).  
**SMITH, Robert, Keith, Henry** [AU/AU]; 15 Woodside  
Drive, Eleebana, New South Wales 2282 (AU).

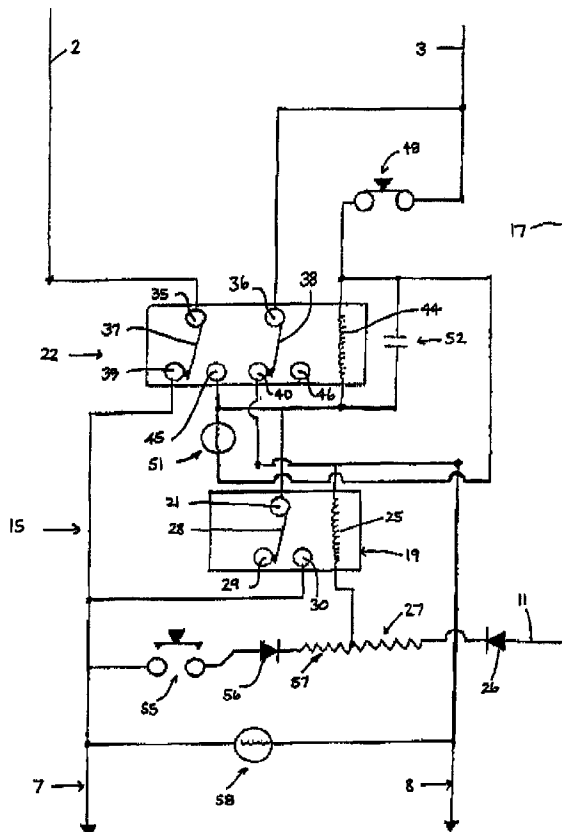
(74) Agent: **BALDWIN SHELSTON WATERS**; 60 Margaret  
Street, Sydney, New South Wales 2000 (AU).

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(54) Title: A CONTROL CIRCUIT AND A METHOD FOR ELECTRICALLY CONNECTING A LOAD TO A POWER SOURCE



(57) Abstract: A control circuit (1) includes two input terminals (2, 3) for respectively electrically connecting with the active and neutral conductors (4, 5) of a mains power source (6). Two output terminals (7, 8) electrically connect with a load in the form of a two pin domestic electrical appliance (9). Conductors (4, 5) terminate at a domestic power outlet socket, and terminals (7, 8) are incorporated into a two pin plug for insertion into that socket. That is, terminals (7, 8) include elongate bundled conductors for extending between the outlet socket and the circuit. Appliance (9) has a conductive component, in this instance a housing (10) that, under normal operating conditions, is electrically insulated or otherwise electrically isolated from conductors (4, 5). The housing provides a reference point for circuit (1), and is electrically connected to that circuit by way of a conductor (11).

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