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(71) Applicant: POWERSMART, INC. [US/US]; 200 Reservoir Street, Needham, MA 02494 (US).

(72) Inventor: BATSON, David, C.; 17 Brantwood Road, Winchester, MA 01890 (US).

(74) Agents: KUSMER, Toby, H. et al.; McDermott, Will & Emery, 28 State Street, Boston, MA 02109 (US).

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(54) Title: SHUNT RESISTANCE DEVICE FOR MONITORING BATTERY STATE OF CHARGE

(57) Abstract: A device for monitoring current flowing through an electrical circuit includes a current shunt plate connected between at least one terminal of the electrical circuit and an electrical load; a circuit board mounted to the current shunt plate at at least two connection points; and a current measuring device mounted on the circuit board, the current measuring device being adapted for measuring a voltage drop between the at least two connection points and determining the current flowing through the electrical circuit.