

Title (en)

LOAD CONDITION CONTROLLED POWER CIRCUIT

Title (de)

DURCH LASTBEDINGUNGEN GESTEUERTE STROMSCHALTUNG

Title (fr)

CIRCUIT D'ALIMENTATION CONTROLE A CONDITION DE CHARGE

Publication

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Application

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Abstract (en)

[origin: WO2009158186A2] In accordance with various aspects of the present invention, a method and circuit for reducing power consumption of a power strip, wall outlet system, power module and the like is provided. In an exemplary embodiment, a power circuit is configured for reducing or eliminating power during idle mode by disengaging an electrical connection from power input. An exemplary power circuit may be in communication with an AC power input, and may include a current transformer, a control circuit, and a switch. The current transformer secondary winding provides an output power level signal proportional to the outlet load. If behavior of the current transformer secondary winding indicates that the power circuit is drawing substantially no power from the AC power input, the switch facilitates disengaging of the current transformer primary from the power circuit.

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