

ELECTRICAL CIRCUIT FOR DELIVERING POWER TO CONSUMER ELECTRONIC DEVICES

ABSTRACT

An electrical circuit for providing electrical power for use in powering electronic devices is described herein. The electrical circuit includes a primary power circuit and a secondary power circuit. The primary power circuit receives an alternating current (AC) input power signal from an electrical power source and generates an intermediate direct current (DC) power signal. The intermediate DC power signal is generated at a first voltage level that is less than a voltage level of the AC input power signal. The secondary power circuit receives the intermediate DC power signal from the primary power circuit and delivers an output DC power signal to an electronic device. The output DC power signal is delivered at an output voltage level that is less than the first voltage level of the intermediate DC power signal.

Figure 1