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(54) Title: HIGH EFFICIENCY ALTERNATIVE/RENEWABLE POWERED UPS SYSTEM

(57) Abstract: The disclosure provides an efficient alternative energy uninterruptible power supply (UPS) system having a main first source of power coupled to an electrical load, comprising: a second source of power from stored energy coupled to the electrical load, the second source being adapted to supplement the first source and condition the power from the stored energy to predetermined conditions for the electrical load; an automatic transfer switch (ATS) coupled between the first source and the second source and adapted to control the first source coupling to the electrical load when the first source power is noncompliant with predetermined conditions for the electrical load; and a source of alternative energy coupled downstream of the ATS to the second source, the electrical load, or a combination thereof, wherein the source of alternative energy comprises a source of direct current (DC) power.

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