

Title (en)

SYSTEM AND METHOD FOR USING A UPS TO DYNAMICALLY CONTROL THE AMOUNT OF AC POWER RECEIVED FROM A UTILITY POWER SOURCE

Title (de)

SYSTEM UND VERFAHREN ZUR VERWENDUNG EINER USV ZUR DYNAMISCHEN STEUERUNG DER AUS EINER VERSORGUNGSSTROMQUELLE EMPFANGENEN WECHSELSTROMMENGE

Title (fr)

SYSTÈME ET PROCÉDÉ D'UTILISATION D'UNE ALIMENTATION SANS COUPURE POUR COMMANDER DE MANIÈRE DYNAMIQUE LA PUISSANCE EN COURANT ALTERNATIF REÇUE EN PROVENANCE D'UNE SOURCE D'ALIMENTATION SECTEUR

Publication

EP 4302383 A1 20240110 (EN)

Application

EP 22711803 A 20220304

Priority

- US 202163156559 P 20210304
- US 202217685326 A 20220302
- US 2022018828 W 20220304

Abstract (en)

[origin: WO2022187570A1] The present disclosure relates to an uninterruptible power supply (UPS) for monitoring and prioritizing use of available power. The UPS has an electronic controller with a memory and a software control module. The UPS also has a battery, a rectifier for rectifying available AC power from a primary external AC power source to produce DC power, an inverter in communication with the rectifier for generating AC power from the DC power provided by the rectifier, and a DC/DC converter in communication with the rectifier for producing a DC charging current for use in charging the battery. The electronic controller and the software control module are configured to dynamically prioritize the use of available power from at least one of the primary AC power source and from the battery, to maintain adequate power to a load being supported by the UPS, as well as to charge the battery of the UPS when predetermined operating conditions are met.

IPC 8 full level

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CPC (source: EP)

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See references of WO 2022187570A1

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