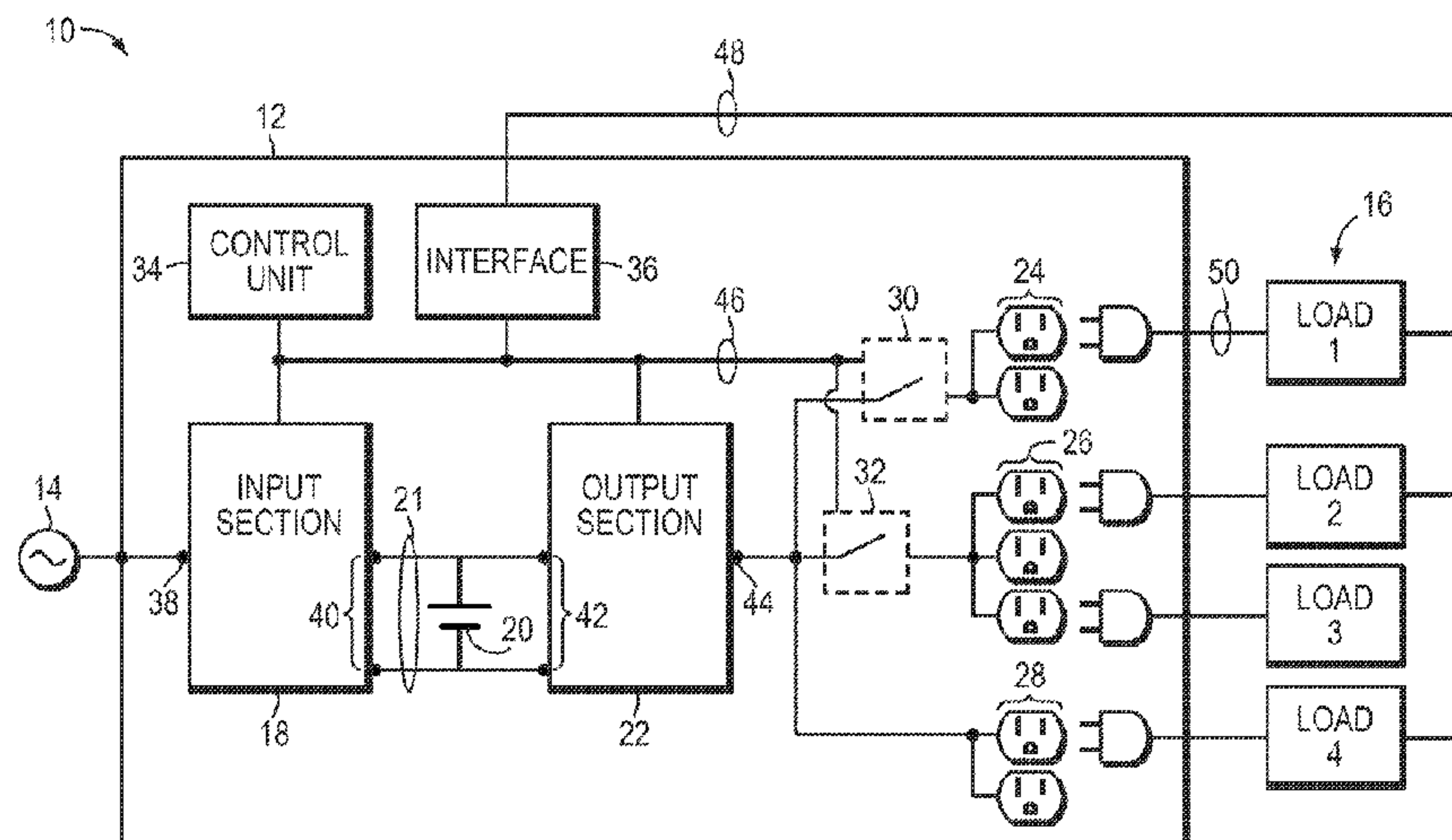




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(54) **Titre : APPAREIL, SYSTEME ET PROCEDE POUR UN SYSTEME D'ALIMENTATION SANS INTERRUPTION**
(54) **Title: APPARATUS, SYSTEM AND METHOD FOR A UPS**



(57) **Abrégé/Abstract:**

According to one aspect of the invention, a UPS (12) includes an input (18) configured to be coupled to an AC power source (14), a DC power source (20), an output (22) configured to receive power from at least one of the AC power source (14) and the DC power source (20), a first switched receptacle outlet (24) coupled to the output (22) and configured to be coupled to a first electrical load (16) and a second receptacle outlet (26) coupled to the output (22) and configured to be coupled to a second electrical load (16). According to some embodiments, the UPS also includes a control unit (34) configurable to provide a first configuration associated with the first switched receptacle outlet (24), where the first configuration is employed by the control unit (34) to control a connection of the first switched receptacle outlet (24) to the output (22) independent of the second receptacle outlet (26).



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APPARATUS, SYSTEM AND METHOD FOR A UPS

BACKGROUND OF INVENTION

1. Field of Invention

Embodiments of the invention relate to uninterruptible power supplies. More specifically, at least one embodiment relates to an apparatus, system and method for independently controlling the power outlets of a UPS.

2. Discussion of Related Art

At present, uninterruptible power supplies (“UPS”) sometimes include one or more receptacle outlets that can be isolated by the UPS, for example, to shut down a connected load before the batteries of the UPS are fully discharged. Other UPSs may isolate one or more receptacle outlets when the load supplied from a master outlet which is not switched is reduced below a minimum value. Other UPSs employ a serial communication network to provide a UPS with an indication that loads connected to a plurality of receptacle outlets have been shut down so that the UPS can then shut down itself. However, such an approach treats a plurality of receptacle outlets and the corresponding plurality of electrical loads as a single load. As a result, a configuration of an operational sequence for powering down the load is not customized for the individual electrical loads. Often, the load includes one or more servers that ideally are shut down in a particular fashion to avoid a loss of data and rebooted at the appropriate moment following the restoration of power. Thus, known UPS systems do not adequately provide for an individualized approach for shutting down, isolating and subsequently rebooting the servers.

For example, some prior art UPSs included a plurality of receptacle outlets which supply power to separate electrical loads via separate power circuits where, for example, each receptacle outlet is connected to one of the respective loads. Such a UPS may be included in a system that also includes a communication device. According to one approach, the communication device allows communication from a single serial port to a single device that can communicate with a plurality of electrical

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embodiment, the first power outlet is configured to supply power to a first electrical load, and the first condition concerns at least one of a status of the UPS and a status of the first electrical load.

This preceding is just one example of such an embodiment. Other embodiments, including those directed to configuring one or more modules with configurations for independently isolating power outlets of a UPS may also be similarly stored and executed.

What is claimed is:

