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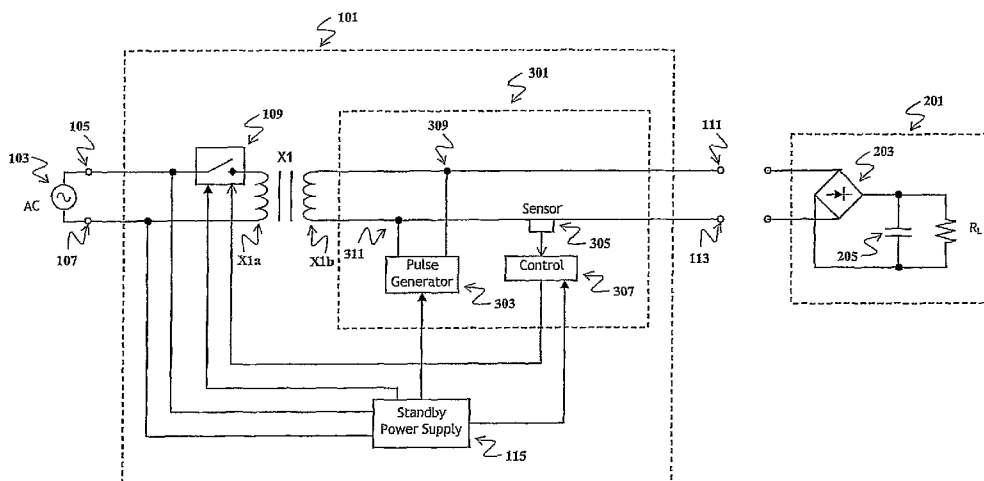
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ning of each regular issue of the PCT Gazette.

(54) Title: A LOAD DETECTOR FOR AN AC-AC POWER SUPPLY



(57) Abstract: There is provided a load detector for determining whether a load is connected to an AC-AC power supply. The power supply comprises a transformer having a primary winding and a secondary winding, the primary winding being coupleable to an AC voltage supply via a switch, and the secondary winding being coupleable to a load. The load detector comprises a signal generator for generating a signal; a sensor for detecting the signal, the sensor being arranged to detect the signal if a load is coupled to the secondary winding and to not detect the signal if a load is not coupled to the secondary winding; and switch control circuitry coupled to the sensor and being arranged to keep the switch closed if the sensor is detecting the signal and to keep the switch open if the sensor is not detecting the signal. There is also provided an AC-AC power supply comprising such a load detector.

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