

ABSTRACT

A system for monitoring and detecting identities of electronic devices, where each of the electronic devices generates a unique power up signature during its power up sequence. The system may make use of a plurality of power outlets that each has a specific identification designation, with each one of the electronic devices being assigned to a specific one of the power outlets. A processor may be used which is configured to read the power up signature of a given one of the electronic devices during its power up sequence, when the given electronic device is plugged into a given one of the power outlets and is powering up. The processor may use a stored power up signature for the given power outlet, together with the power up signature read for the given electronic device, to determine if the given electronic device is using its assigned power outlet.

20. The method of claim 14, further comprising locating the power outlets on a power distribution unit, and performing the operation of obtaining the initially determined power up signature and the operation of comparing the obtained, initially determined power up signature to the read power up signature by using a processor disposed within the power distribution unit.

Dated this 13th day of September, 2013



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