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**Breen et al.**

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(54) **POWER MANAGEMENT SCHEME FOR EXTERNAL BATTERIES**

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 463 days.

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(51) **Int. Cl.**  
**G06F 1/00** (2006.01)  
**G06F 11/30** (2006.01)

(52) **U.S. Cl.** ..... 713/300; 713/340

(58) **Field of Classification Search** ..... 713/300, 713/340

See application file for complete search history.

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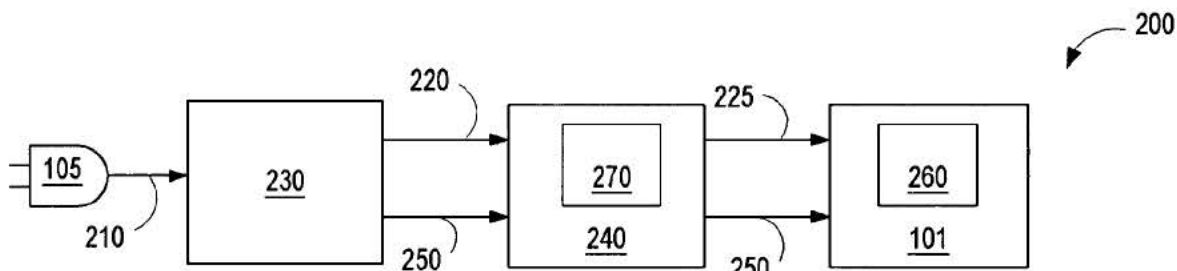
*Assistant Examiner*—Ji H Bae

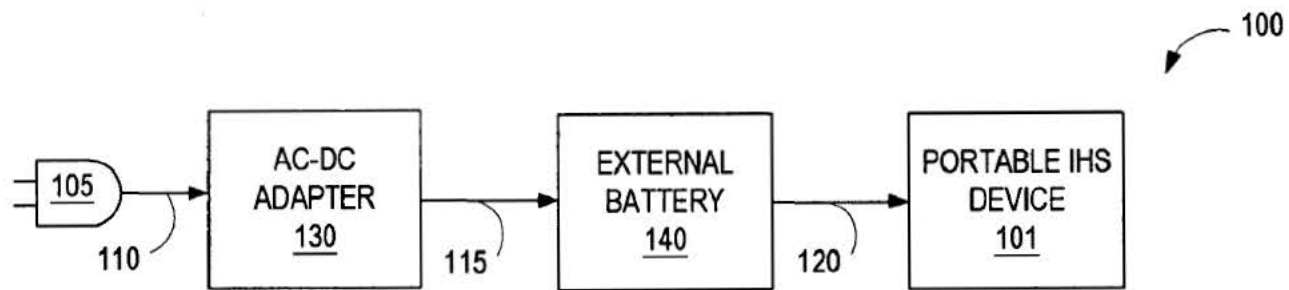
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(57) **ABSTRACT**

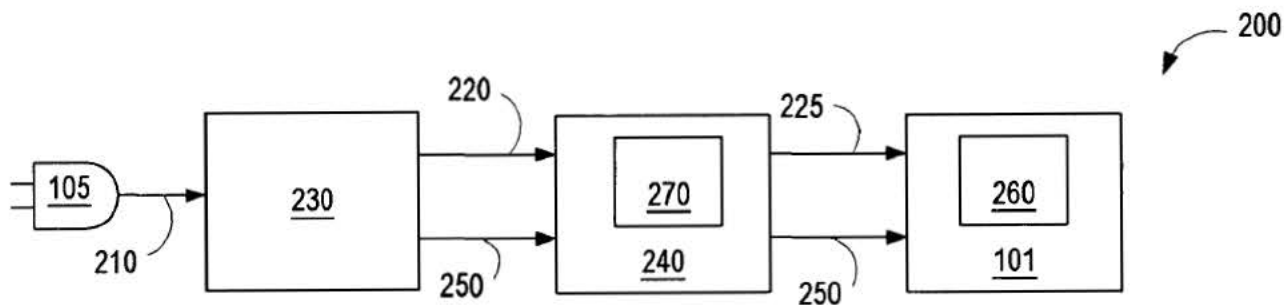
In a method and system for managing power provided to a load, a power supply system includes a first power peripheral operable to receive and convert a first type of power to a second type of power. Also included in the power supply system is a second power peripheral operable to receive the second type of power and provide power to the load. A power event trigger device, which is included in the second power peripheral, is operable to introduce a trigger signal in the power to the load. The trigger signal, which is introduced in response to receiving a change in the second type of power, is detected as a power event.

**18 Claims, 5 Drawing Sheets**





**FIG. 1 (PRIOR ART)**



**FIG. 2**

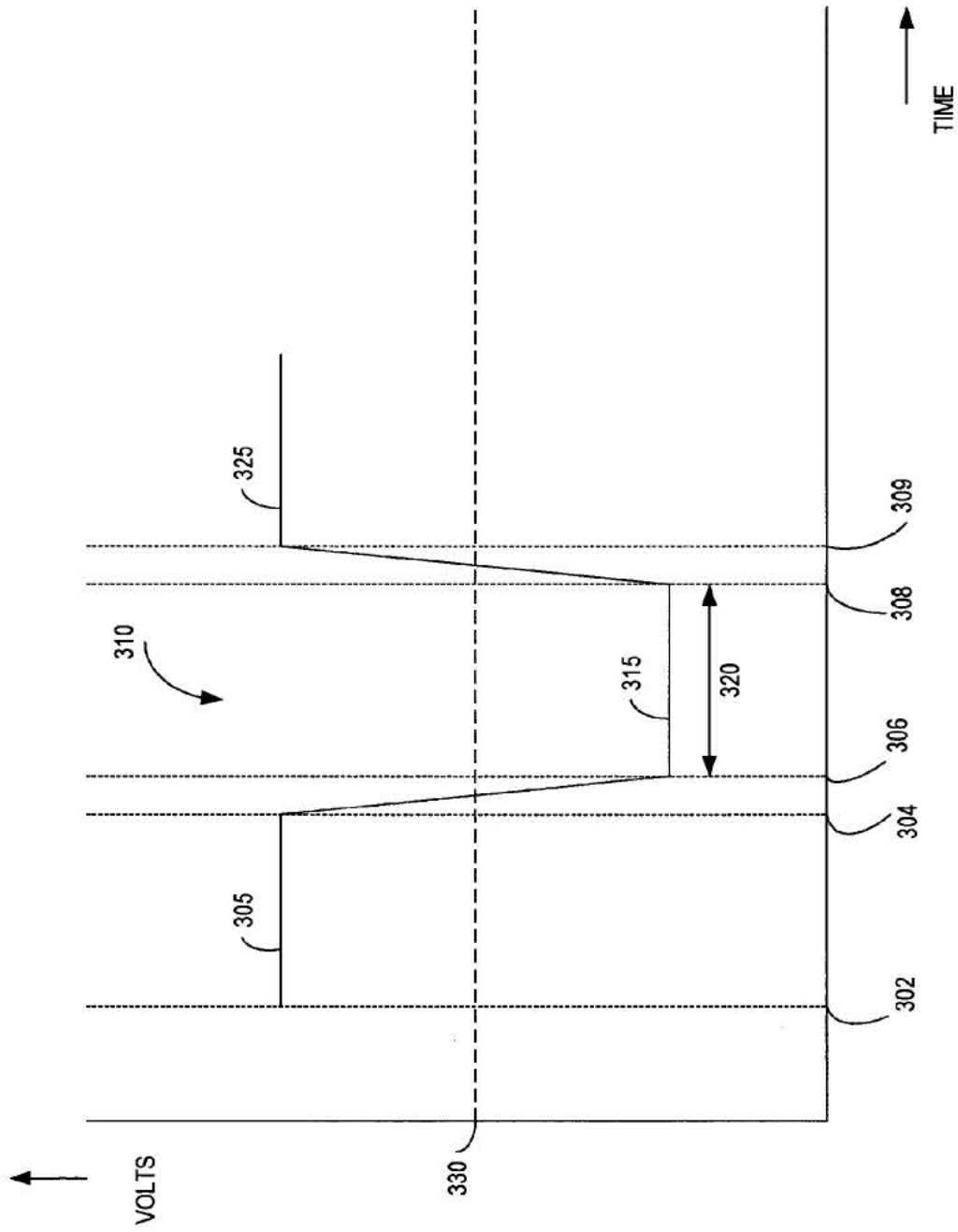


FIG. 3

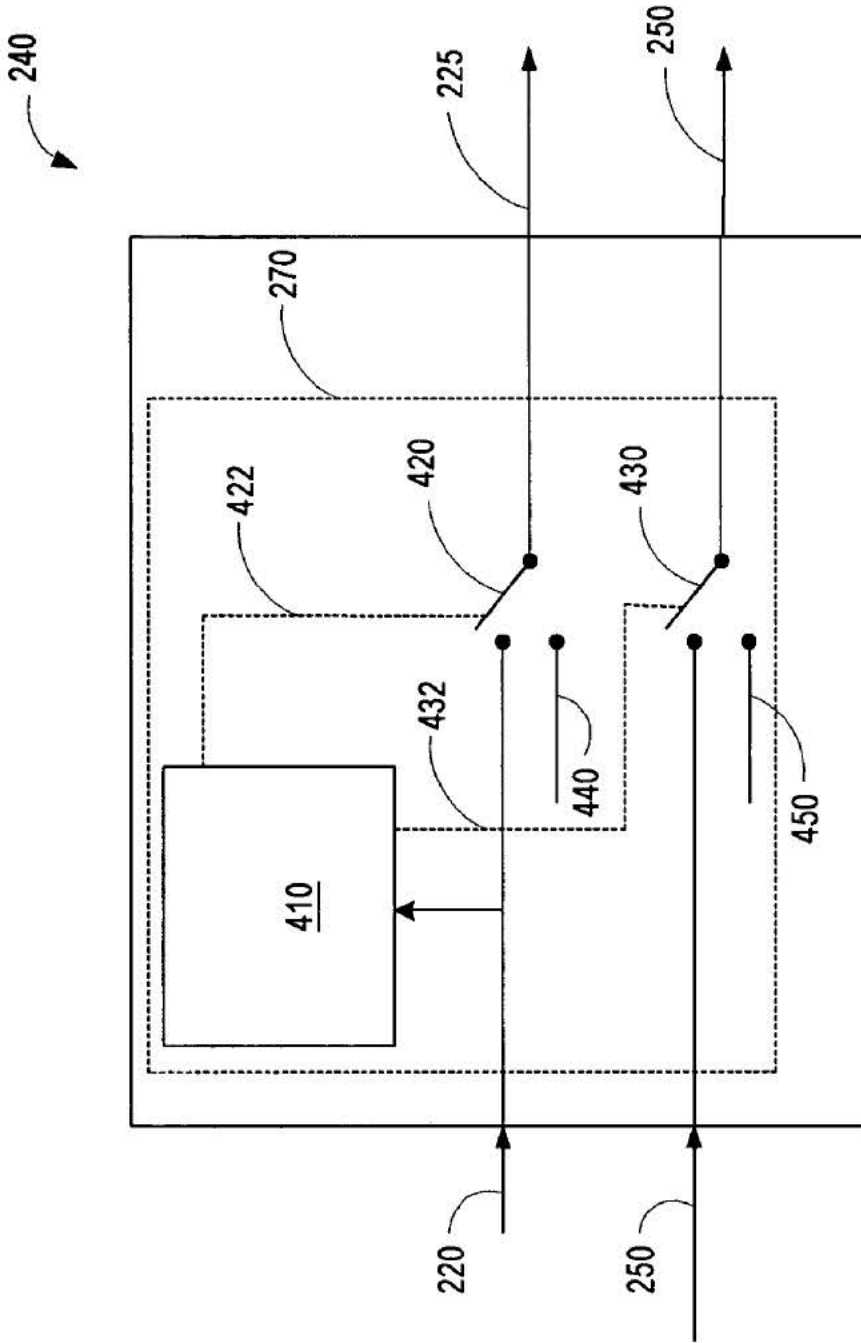
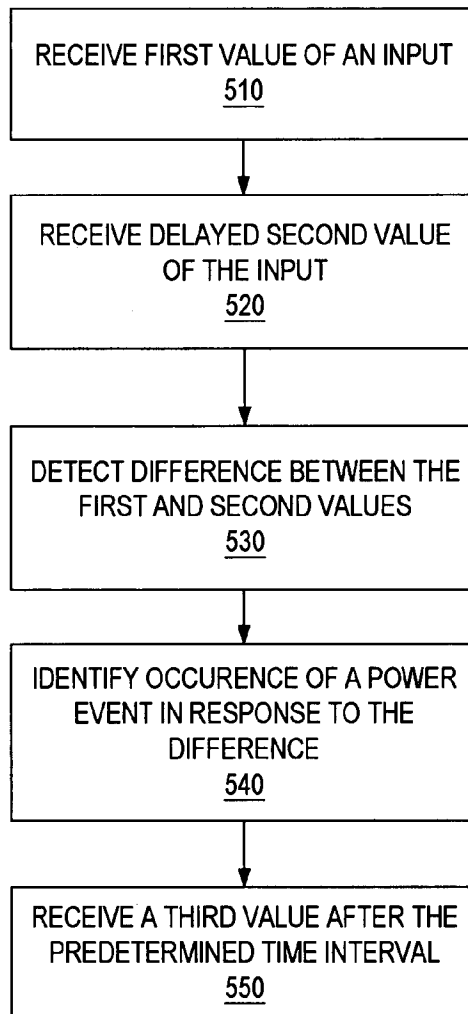


FIG. 4



**FIG. 5**

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