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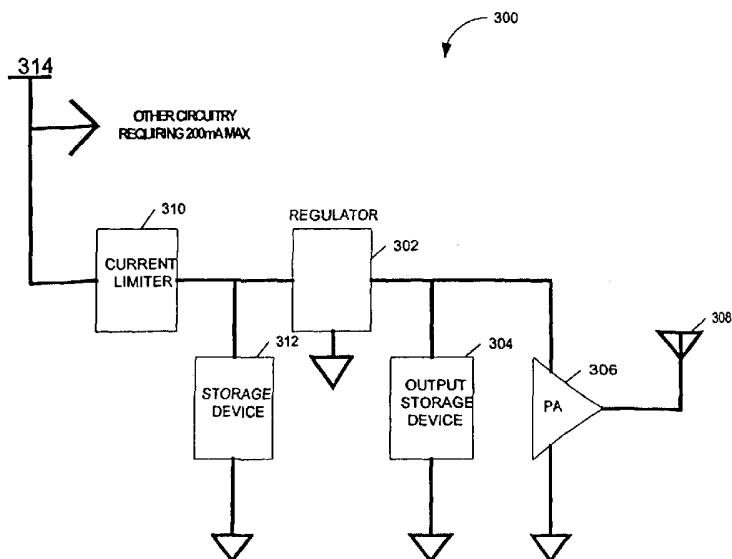
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEMS AND METHODS FOR AN ENERGY STORAGE BASED POWER SUPPLY CIRCUIT



(57) Abstract: A power supply circuit (300) comprises a current limiter (310) configured to limit a current drawn from a host power supply (314) to a maximum current that is less than a maximum current for the host power supply (314). The power supply circuit (300) also comprises a storage device (312) coupled to the current limiter (310). The storage device (312) is configured to store energy for supplementing the current drawn from the host power supply (314) in order to generate a load current that is higher than the maximum current that can be supplied by the host power supply (310). The power supply circuit (300) also comprises a voltage regulator (302) coupled to the current limiter (310) and the storage device (312). The voltage regulator (302) is configured to provide the load current and an output voltage to a load device (306/308).



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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) :G05F 1/563
 US CL :323/266
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 323/266, 270, 273, 282, 349, 351, 908

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,092,709 A (VOIGT et al.) 30 May 1978 (30.05.1978), see entire document.	1-28

Further documents are listed in the continuation of Box C. See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	
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