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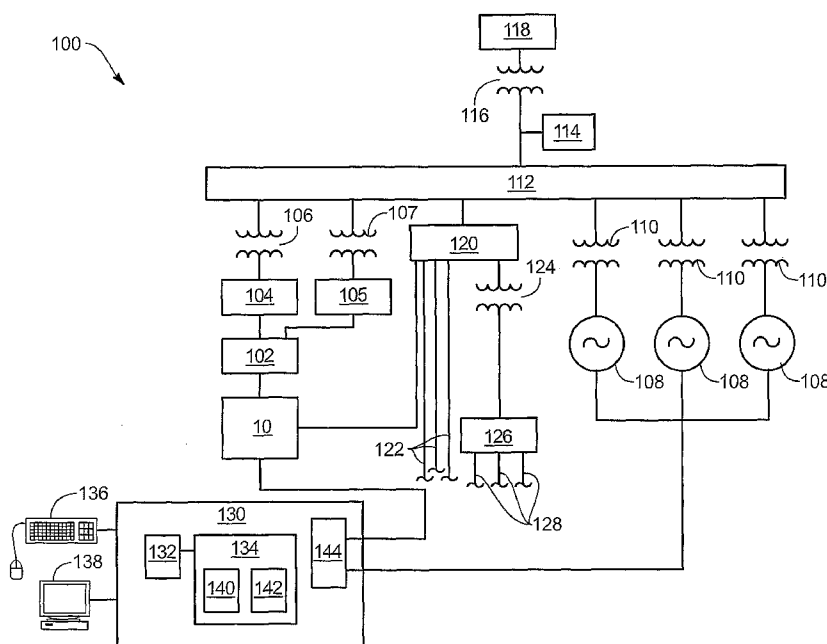
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(54) **Title:** METHOD FOR RETROFITTING WIND TURBINE FARMS



(57) **Abstract:** A power generation system (100) with a predetermined rating limit includes one or more wind turbine generators (108) and a vanadium redox battery (10). The vanadium redox battery (10) absorbs excess energy to ensure that the rating limit is not exceeded, provide system stability, and improve power generation availability. The power generation system (100) may further include a control system (130) to manage the vanadium redox battery's absorption and power generation to control system stability and system frequency.

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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.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: H02J 3/40(2007.01);H01M 8/18(2007.01)

USPC: 290/44;307/46

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. : 290/44;307/46

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1536506 A1 (Shigematsu et al.) 06 January 2005 (06.01.2005), the whole document.	1-23
Y	US 2004/0036360 A1 (McCombs) 26 February 2004 (26.02.2004). Whole document.	1-23

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☐ See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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