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[Continued on next page]

(54) Title: HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM

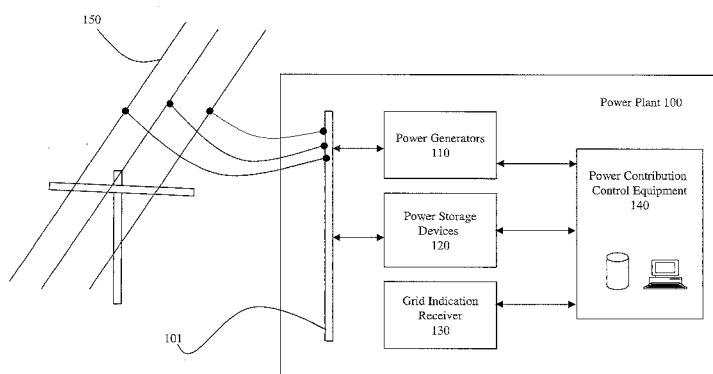


FIG. 1A

(57) Abstract: Approaches for controlling power supplied to an electric grid are disclosed. In embodiments, methods and systems control power supplied to an electric grid using an energy storage device. In an embodiment, a method receives an indication of power to be supplied to the electric grid, generates power from a power generator and adjusts, using the generated power, an energy level of the energy storage device to control power supplied to the grid in accordance with the received indication. In another embodiment, a system comprises a grid indication receiver for receiving an indication of power to be supplied to the electric grid; a power generator connected to the grid; an energy storage device coupled to the power generator; and a controller for adjusting, using the generated power from the generator, an energy level of the energy storage device to control power supplied to the grid in accordance with the received indication.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/043138**A. CLASSIFICATION OF SUBJECT MATTER****H02J 3/36(2006.01)i**

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)

H02J 3/36; F03D 7/00; G06F 1/28; H02J 3/38; H02P 9/04; F03D 9/00

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: electric grid, battery, power generation, station

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2007-129850 A (HREIN ENERGY:KK) 24 May 2007 See abstract, paragraphs [0027]-[0037], and figure 2.	1,3-6,8-26,28-32 2,7,27
Y A	US 2010-0292853 A1 (MCDONNELL ALAN) 18 November 2010 See abstract, paragraphs [0132]-[141] and figure 8.	2,7,27 1,3-6,8-26,28-32
A	US 2010-0096853 A1 (WOLDMANN THOMAS et al.) 22 April 2010 See abstract, claims 1-17 and figures 1.	1-32
A	US 7608937 B1 (ALTENSCHULTE MARKUS) 27 October 2009 See abstract, claims 1-8 and figures 1-3.	1-32
A	US 2011-0074151 A1 (BURRA RAJNI KANT et al.) 31 March 2011 See abstract, claims 1-21 and figures 1-4.	1-32

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

* Special categories of cited documents:

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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