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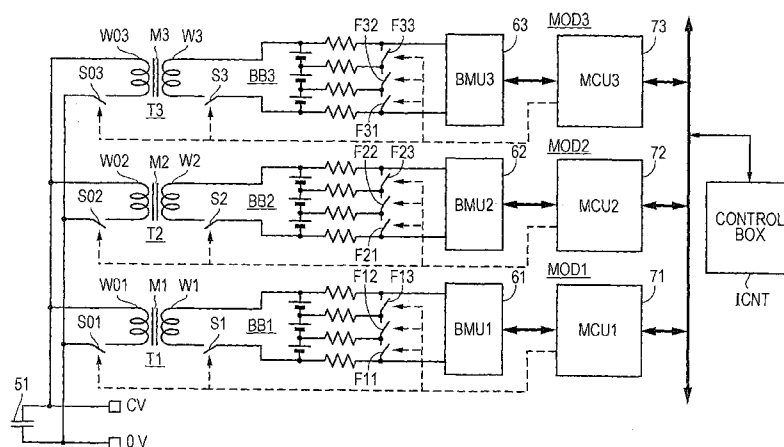
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(54) **Title:** POWER RESERVE APPARATUS, POWER SYSTEM, AND ELECTRIC VEHICLE

FIG. 13



(57) **Abstract:** A power reserve apparatus is disclosed. In one embodiment, the power reserve apparatus comprises a first module including a first set of battery cells and a first inter-cell balance adjustment unit configured to use passive balancing to reduce voltage variance among the first set of battery cells. The power reserve apparatus also comprises a second module including a second set of battery cells and a second inter-cell balance adjustment unit configured to use passive balancing to reduce voltage variance among the second set of battery cells. The power reserve apparatus further comprises an inter-module balance adjustment unit configured to use active balancing to reduce voltage variance among the first and second modules.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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 H01M

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)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	----- DE 10 2010 029460 A1 (SIEMENS AG [DE]) 1 December 2011 (2011-12-01) paragraph [0032] - paragraph [0046] ----- -/-	2-4,6,16



Further documents are listed in the continuation of Box C.



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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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Information on patent family members

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