Abstract

Photovoltaic systems with managed output and methods for managing variability of output from photovoltaic systems are described. A system includes a plurality of photovoltaic modules configured to receive and convert solar energy. The system also includes a sensor configured to determine an orientation for each of the plurality of photovoltaic modules, the orientations based on a maximum output from the photovoltaic system. The system also includes an orientation system configured to alter the orientation of one or more of the plurality of photovoltaic modules to provide a reduced output from the photovoltaic system, the reduced output less than the maximum output.

Title: PHOTOVOLTAIC SYSTEM WITH MANAGED OUTPUT AN METHOD OF MANAGING VARIABILITY OF OUTPUT FROM A PHOTOVOLTAIC SYSTEM

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A. CLASSIFICATION OF SUBJECT MATTER

H01L 31/042(2006.01)i, H02N 6/00(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)

H01L 31/042, H01L 35/02, G05F 1/67, F24F 11/02

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: tilting, control, solar

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<tbody>
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<td>A</td>
<td>JP 06-266454 A (THE KANSAI ELECTRIC POWER CO., INC. et al.) 22 September 1994 See abstract and claim 1.</td>
<td>1-20</td>
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<td>A</td>
<td>JP 05-250053 A (SHARP CORP. et al.) 28 September 1993 See abstract and claim 1.</td>
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</table>

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

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Date of the actual completion of the international search
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