

Title (en)

A SYSTEM FOR MANAGEMENT OF ELECTRIC ENERGY PRODUCED BY PHOTOVOLTAIC CELLS

Title (de)

SYSTEM ZUR VERWALTUNG VON DURCH FOTOVOLTAISCHE ZELLEN ERZEUGTER ELEKTRISCHER ENERGIE

Title (fr)

SYSTÈME DE GESTION D'ÉNERGIE ÉLECTRIQUE PRODUITE PAR DES CELLULES PHOTOVOLTAÏQUES

Publication

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Application

EP 14724992 A 20140424

Priority

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- CZ 2014000044 W 20140424

Abstract (en)

[origin: WO2014173379A1] A system for management of electric energy which is produced by photovoltaic cells which contains mutually interconnected an energy consumption control unit (2), a control unit (8) and a heating unit (9), which is equipped with a temperature measuring unit (91) and with at least one heating element (92) which is modified for liquid heating, where the essence of the invention is the fact that the energy consumption control unit (2) contains a DC control unit (21) and an AC control unit (22) and is partly connected to an AC power supply (10) either directly and/or through a secondary source of AC voltage (12) and partly is interconnected with a photovoltaic unit (1) which emits direct voltage, namely through a primary source of DC voltage (6) and/ or through in series connected an output measuring unit of current and voltage (5), a DC/DC converter (4) and an input measuring unit of current and voltage (3), whereas also the control unit (8) is connected not only through a galvanic way separated secondary source of DC voltage (7) to the photovoltaic unit (1) but also through the galvanic way separated primary source of AC voltage (11) to the AC power supply (10).

IPC 8 full level

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Citation (search report)

See references of WO 2014173379A1

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