

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CN2018/072489

## A. CLASSIFICATION OF SUBJECT MATTER

H02J 7/35 (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; H02N; H02H

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)

CNMED; CPRSABS; FRABS; CNABS; LEXIS; CPEA; TWMED; DWPI; JPABS; ILABS; TWABS; HKABS; MOABS; SIPOABS; SGABS; AUABS; 太阳能电池板, 电压采样, 蓄电池, 充电, 稳压电路, 深圳源创智能照明有限公司, 太阳能板, 稳压器, 电压采集, 配电, 供电, 控制电路, storage, voltage regulator, accumulator, solar energy, voltage stabilizer, battery, regulator, voltage acquisition, controller, solar cell, solar panel, voltage sampling, charging,

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 103117584 A (ZHEJIANG MINGSHUO ELECTRONIC SCIENCE & TECHNOLOGY CO., LTD.) 22 May 2013 (22.05.2013), description, paragraphs [0017]-[0025], and figure 1	1, 2, 8, 10
A	CN 202997620 U (CHENGDU XINYAN TECHNOLOGY CO., LTD.) 12 June 2013 (12.06.2013), description, paragraphs [0024]-[0030], and figure 1	1-12
A	CN 203774844 U (SONG, Hui) 13 August 2014 (13.08.2014), the description	1-12
A	CN 101459346 A (LI, Mingbin) 17 June 2009 (17.06.2009), the description	1-12

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

<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p>	<p>“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>“&amp;” document member of the same patent family</p>
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Date of the actual completion of the international search 07 February 2018	Date of mailing of the international search report 22 February 2018
Name and mailing address of the ISA State Intellectual Property Office of the P. R. China No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088, China Facsimile No. (86-10) 62019451	Authorized officer  HUANG, Yuan  Telephone No. (86-10) 62411769

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

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Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 103117584 A	22 May 2013	CN 103117584 B	29 October 2014
CN 202997620 U	12 June 2013	None	
CN 203774844 U	13 August 2014	None	
CN 101459346 A	17 June 2009	None	