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Declarations under Rule 4.17:

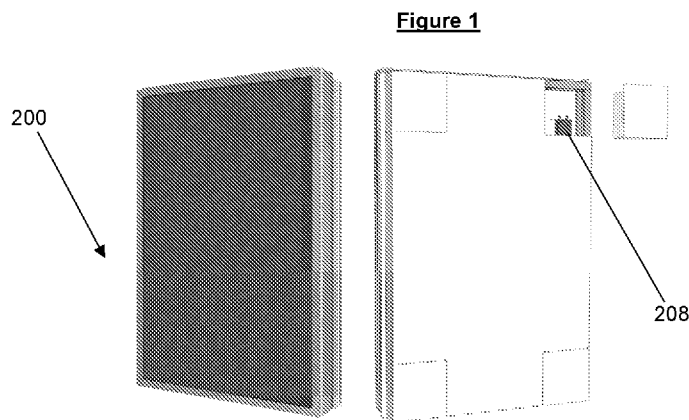
— of inventorship (Rule 4.17(iv))

Published:

— with international search report (Art. 21(3))

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(54) Title: A BUILDING INTEGRATED PHOTOVOLTAIC PANEL



(57) Abstract: A building integrated photovoltaic panel There is provided a building integrated photovoltaic (BIPV) panel comprising a support structure, a photovoltaic (PV) module, a module-level power electronic (MLPE), as well as insulation and cavity layers.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER		
H02S 20/26 (2014.01) H02S 40/32 (2014.01) E04B 1/74 (2006.01)		
According to International Patent Classification (IPC)		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
H02S; E04B		
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)		
FAMPAT: photovoltaic panel, solar array, module-level power electronic, MLPE, micro inverter, optimizer, insulation, cavity, ventilation, 太阳能电池板, 微型逆变器, 组件 and related terms		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 211257353 U (ZHENG YI) 14 August 2020 Figs. 1-3; pars. [0008], [0043]-[0050] of the original non-English language document (a machine translation is enclosed only for your reference)	1, 3, 5-12
X	KR 101063208 B1 (E & AMP H CO LTD) 7 September 2011 Figs. 1-2, 4; pars. [0035]-[0055] of the machine translation	1-4, 6-8, 11
A	KR 102147186 B1 (SK SOLAR ENERGY CO LTD) 24 August 2020 Whole document of the machine translation	
A	EP 2551608 A1 (CAPPELLO ALLUMINIO S.R.L.) 30 January 2013 Whole document	
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		

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Date of the actual completion of the international search 14/06/2023 (day/month/year)	Date of mailing of the international search report 15/06/2023 (day/month/year)	
Name and mailing address of the ISA/SG  Intellectual Property Office of Singapore 1 Paya Lebar Link, #11-03 PLQ 1, Paya Lebar Quarter Singapore 408533 Email: pct@ipos.gov.sg	Authorized officer <p style="text-align: center;"><u>Wang Zhiying</u> (Dr)</p> IPOS Customer Service Tel. No.: (+65) 6339 8616	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SG2022/050824

Note: This Annex lists known patent family members relating to the patent documents cited in this International Search Report. This Authority is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CN 211257353 U	14/08/2020	NONE	
KR 101063208 B1	07/09/2011	NONE	
KR 102147186 B1	24/08/2020	NONE	
EP 2551608 A1	30/01/2013	NONE	