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(12) **United States Design Patent**
Hooper

(10) **Patent No.:** **US D1,089,061 S**
(45) **Date of Patent:** **** *Aug. 19, 2025**

(54) **SOLAR PANEL**

(71) Applicant: **OXFORD PHOTOVOLTAICS LIMITED**, Oxfordshire (GB)

(72) Inventor: **Stewart Hooper**, Oxfordshire (GB)

(73) Assignee: **OXFORD PHOTOVOLTAICS LIMITED**, Oxfordshire (GB)

(*) Notice: This patent is subject to a terminal disclaimer.

(**) Term: **15 Years**

(21) Appl. No.: **29/910,222**

(22) Filed: **Aug. 17, 2023**

(30) **Foreign Application Priority Data**

Feb. 17, 2023 (GB) 6263291

(51) **LOC (15) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/102**

(58) **Field of Classification Search**

USPC D10/104.1; D13/101, 102, 103, 107,
D13/109, 118, 119, 184, 199; D14/371,
D14/432, 439, 441, 447, 451; D21/480,
D21/484; D25/109, 140, 144
CPC .. F21S 8/086; F21S 8/088; F21S 9/032; F21S
9/035; H01L 31/042; H01L 31/022425;
H01L 31/18
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D817,867 S *	5/2018	Kojima	.....	D13/102
D830,293 S *	10/2018	Musashi	.....	D13/102
D833,969 S *	11/2018	Kojima	.....	D13/102
D840,924 S *	2/2019	Bonci	.....	D13/102
D857,624 S *	8/2019	Katov	.....	D13/102
D909,961 S	2/2021	Persaud		

D911,263 S	2/2021	Badilla
D916,005 S	4/2021	Krantz
D916,652 S	4/2021	Gao
D917,380 S	4/2021	Gao
D920,429 S	5/2021	Hoinowski
D920,897 S	6/2021	Xu

(Continued)

FOREIGN PATENT DOCUMENTS

EM	007836200-0001	4/2020
IN	349948-001	9/2021

OTHER PUBLICATIONS

190 W Monocrystalline Solar Panel Rigid. 2023. Aims Power RV.
https://aimspowervv.com/product/190-w-monocrystalline-solar-panel-rigid/?gQT=1.*

(Continued)

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(57) **CLAIM**

The ornamental design for a solar panel, as shown and described.

DESCRIPTION

FIG. 1 is a front, bottom, and right-side perspective view of a solar panel showing my new design.

FIG. 2 is a rear, bottom, and right-side perspective view thereof.

FIG. 3 is a front view thereof.

FIG. 4 is a rear view thereof.

FIG. 5 is a right-side view thereof.

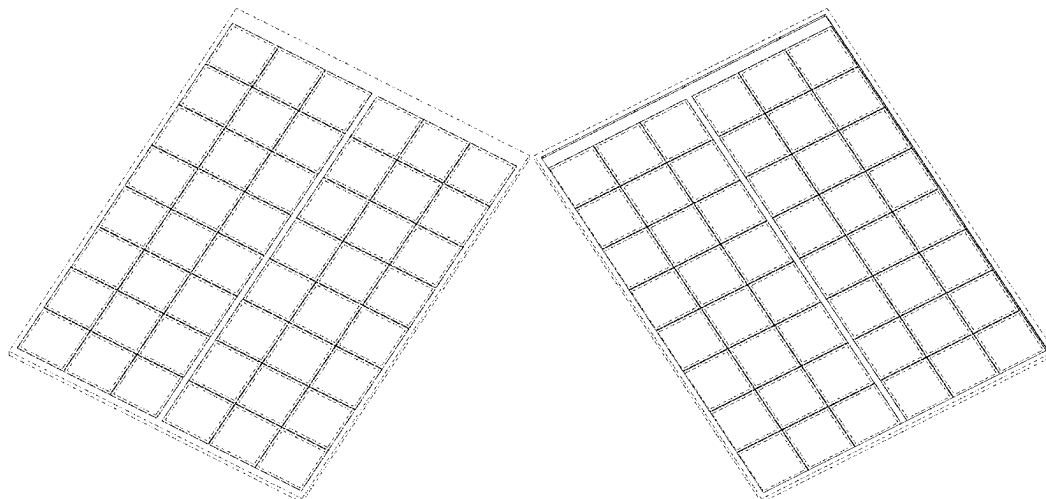
FIG. 6 is a left-side view thereof.

FIG. 7 is a top view thereof; and,

FIG. 8 is a bottom view thereof.

The portions of the solar panel shown in short broken lines form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited**U.S. PATENT DOCUMENTS**

D920,899	S	*	6/2021	Weng	.....	D13/102
D932,995	S		10/2021	Bead		
D933,584	S		10/2021	Morad		
D933,589	S		10/2021	Thanh Ly		
D938,899	S		12/2021	Ruiz		
D938,901	S		12/2021	McDonald		
D940,063	S	*	1/2022	Wen	.....	D13/102
D940,064	S		1/2022	Wen		
D943,508	S	*	2/2022	Zhou	.....	D13/102
D999,157	S	*	9/2023	Liu	.....	D13/102
D1,017,528	S	*	3/2024	Liu	.....	D13/102
D1,024,923	S	*	4/2024	Verma	.....	D13/102
D1,029,744	S	*	6/2024	Yu	.....	D13/102
D1,047,885	S	*	10/2024	Wen	.....	D13/102

OTHER PUBLICATIONS

780W 24V 4-Panel Off Grid Solar Kits with 195W Mono Solar Panel. Before Aug. 23, 2020. Eco-Worthy. <https://www.eco-worthy.com/collections/all/products/780w-24v-4-panel-off-grid-solar-kits-with-195w-mono-solar-panel>.*

The Invention of the Solar Cell. Apr. 23, 2014. Popular Science. <https://www.popsci.com/article/science/invention-solar-cell/>.*

Solar Panels. (Design—© Questel) orbit.com. [Online PDF compilation of references] 79 pgs. Print Dates Range Aug. 25, 2021-Nov. 10, 2020 [Retrieved Jan. 5, 2022].

SunPower 50 Watt Flexible Monocrystalline High Efficiency Solar Panel. Before Dec. 15, 2018. Amazon. https://www.amazon.com/SunPower%C2%AE-Flexible-Monocrystalline-Efficiency-Solar/dp/B07C34GHGV/ref=asc_df_B07C34GHGV/?tag=hyprod-20&linkCode=dfO&hvadid=241946544904&hvpos=&hvnetw=g&hvrnd=2176643411805259479&hvpone=

What is the value of eliminating the chamfer of mono silicon wafer/cell? May 28, 2019. Coule Energy. <https://couleenergy.com/value-of-square-cell/>.

Most efficient solar panels 2021. Jul. 18, 2021. Clean Energy Reviews. <https://www.cleanenergyreviews.info/blog/most-efficient-solar-panels>.

Solar panels now cost less Thank government policy. Dec. 28, 2018. Vox. <https://www.vox.com/energy-and-environment/2018/11/20/18104206/solar-panels-cost-cheap-mit-clean-energy-policy>.

Hearing Notice received in connection with the corresponding Indian design patent Application No. 378868-001, dated Dec. 20, 2023.

Examination Report received in connection with the related Indian Design App No. IN392746-001 dated Oct. 10, 2023.

Examination Report received in connection with the related Indian Design App No. IN392748-001, dated Oct. 30, 2023.

May 12, 2023 Examination Report issued by Intellectual Property India for Indian Design Application No. 379387-001 based on GB Application No. 6226769.

Amazon, Luminous Solar Panel (40 watt)—(Pack of 1) by Luminous. Customer review dated Oct. 24, 2020. Available online at: https://www.amazon.in/dp/B082HGG55?ref_=cm_sw_r_cp_ud_dp_X46RGZBFYCC8254ZSJRM.

Examination Report received in related Republic of Korea Design App No. 30-2023-0005979, dated Oct. 18, 2023.

https://search.naver.com/search.naver?where=image§ion=abdb&query=%ED%83%9C%EC%96%91%EC%A0%84%EC%A7%80%20%ED%8C%A8%EB%84%90&res_fr=0&res_to=0&sm=tab_opt&color=&ccl=0&nso=so%3Ar%2Ca%3Aa1l%2Cp%3Afrom20110727to20220818&recent=0&datatype=6&startdate=20110727&enddate=20220818&gif=0&optStr=d&nso_open=1&pq=#imgId=image_sas%3Awebhttp%3A%2F%2Fwww.tmon.co.kr%2Fdeal%2F6809801838_2092605120.

OHIM Registration No. 007836200-0001 (published date: Apr. 28, 2020).

Office Action issued by the China National Intellectual Property Administration in connection with Chinese Patent Application No. 202330524319.4, dated Mar. 14, 2024 (3 pages).

* cited by examiner

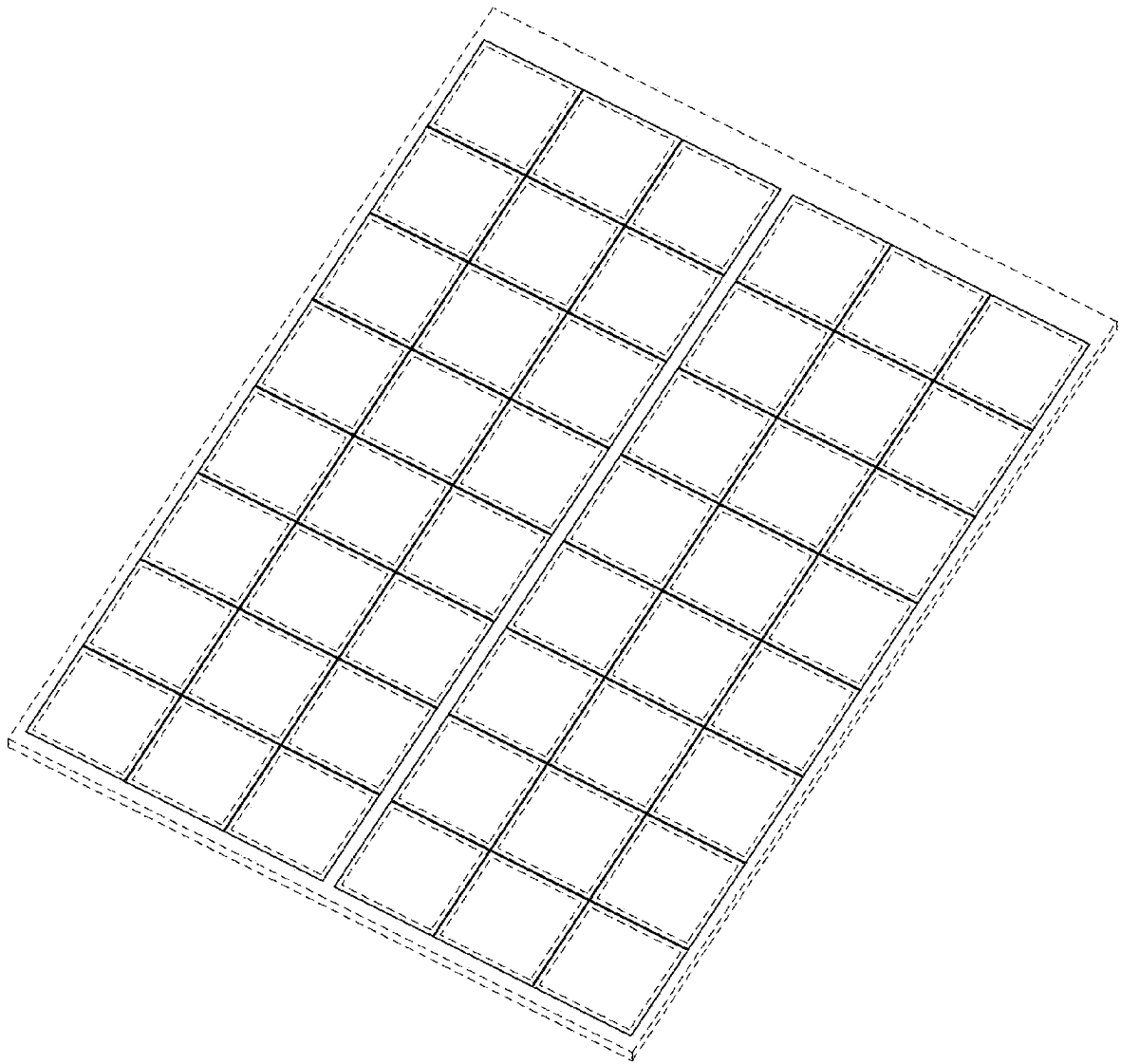


FIG. 1

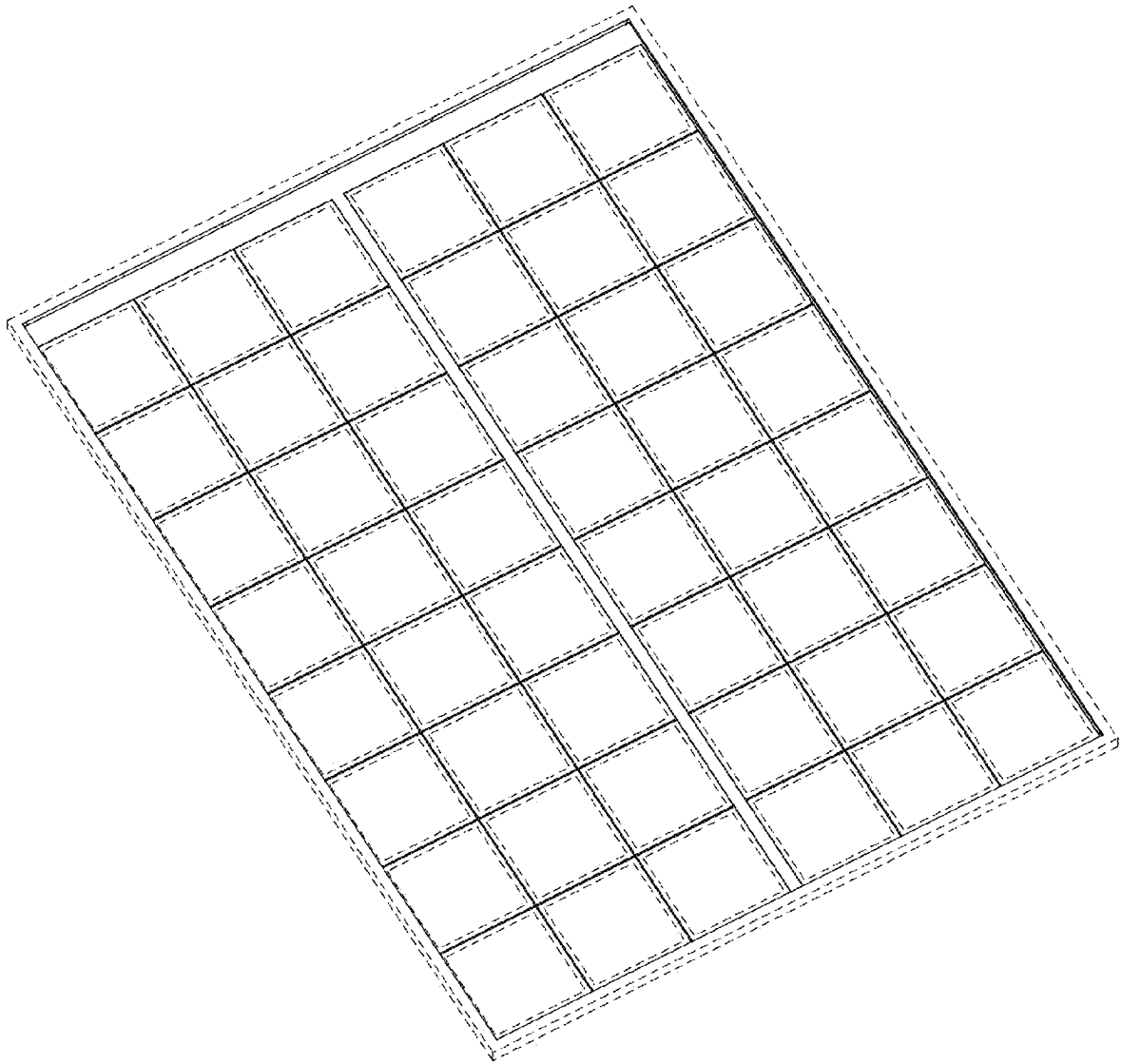


FIG. 2

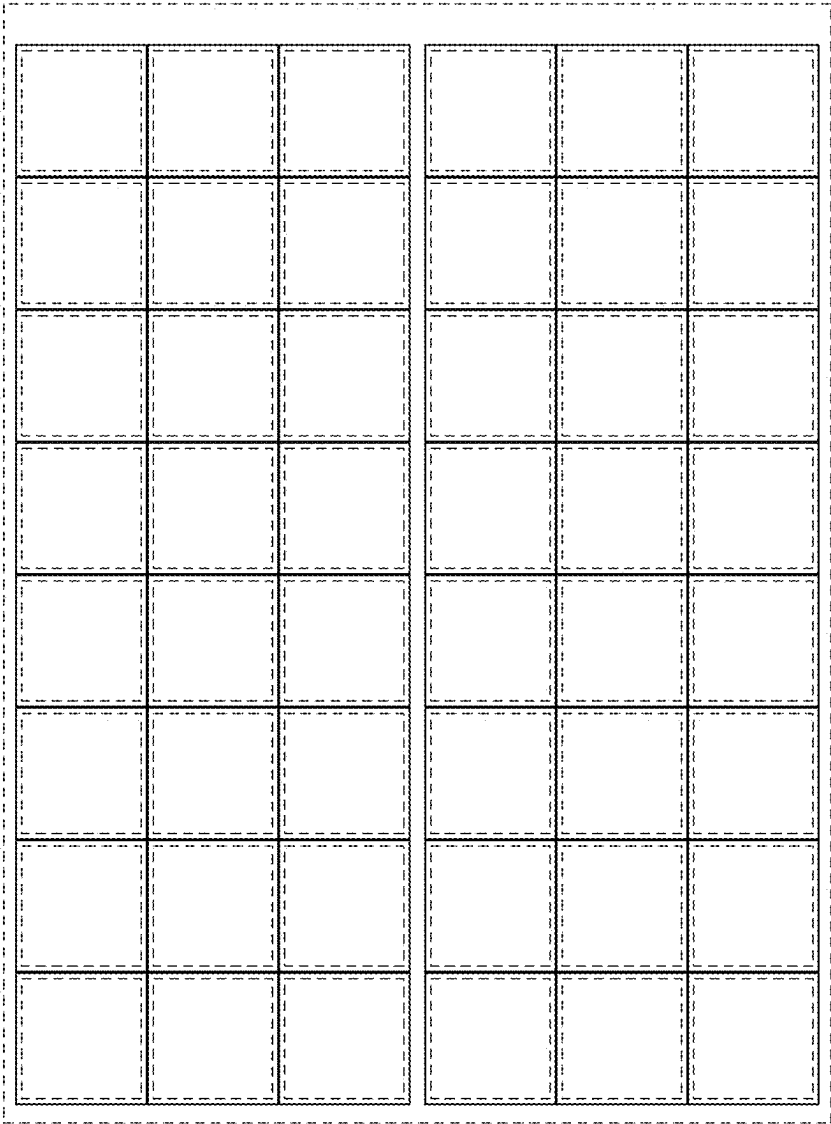


FIG. 3

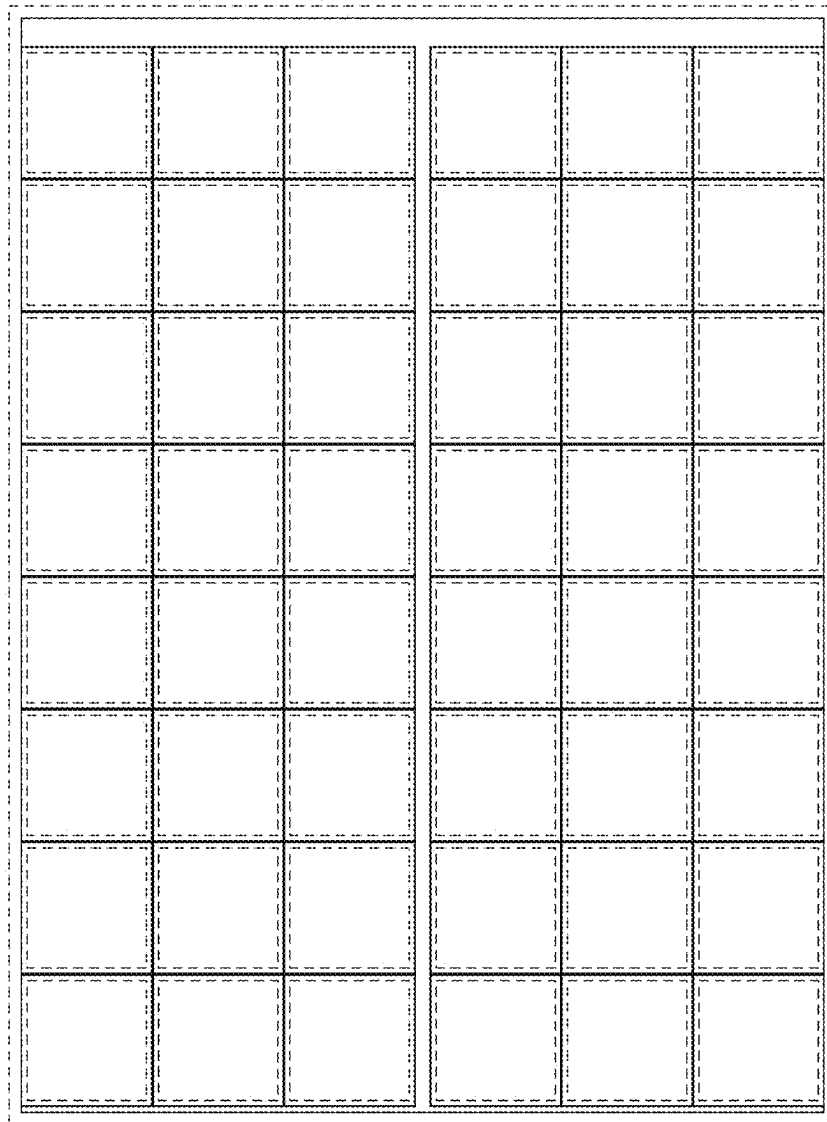


FIG. 4

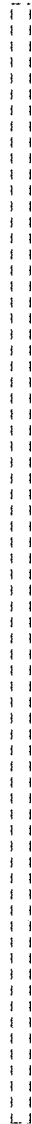


FIG. 5

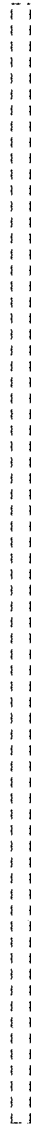


FIG. 6

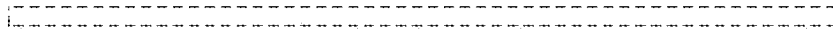


FIG. 7

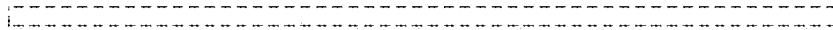


FIG. 8