



US00D954639S

(12) **United States Design Patent**
Si et al.

(10) **Patent No.:** **US D954,639 S**
(45) **Date of Patent:** **** Jun. 14, 2022**

- (54) **SOLAR PANEL**
- (71) Applicant: **SUNPOWER CORPORATION**, San Jose, CA (US)
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- (73) Assignee: **SUNPOWER CORPORATION**, San Jose, CA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/755,421**
- (22) Filed: **Oct. 20, 2020**
- (51) **LOC (13) 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.

- D933,585 S * 10/2021 Morad D13/102
- D934,158 S * 10/2021 Morad D13/102
- D937,193 S * 11/2021 Lin D13/102
- D940,063 S * 1/2022 Wen D13/102
- D940,064 S * 1/2022 Wen D13/102

OTHER PUBLICATIONS

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].*

(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 left side perspective view of a solar panel;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a right side elevational view thereof, the left side elevational view being a mirror image of the right side elevational view;

FIG. 5 is a top plan view thereof, the bottom plan view being a mirror image of the top plan view; and

FIG. 6 is an enlarged view of the section indicated by the dot-dash callout box 6 in FIG. 3; and,

FIG. 7 is a cross-sectional view taken along line 7-7 in FIG. 6.

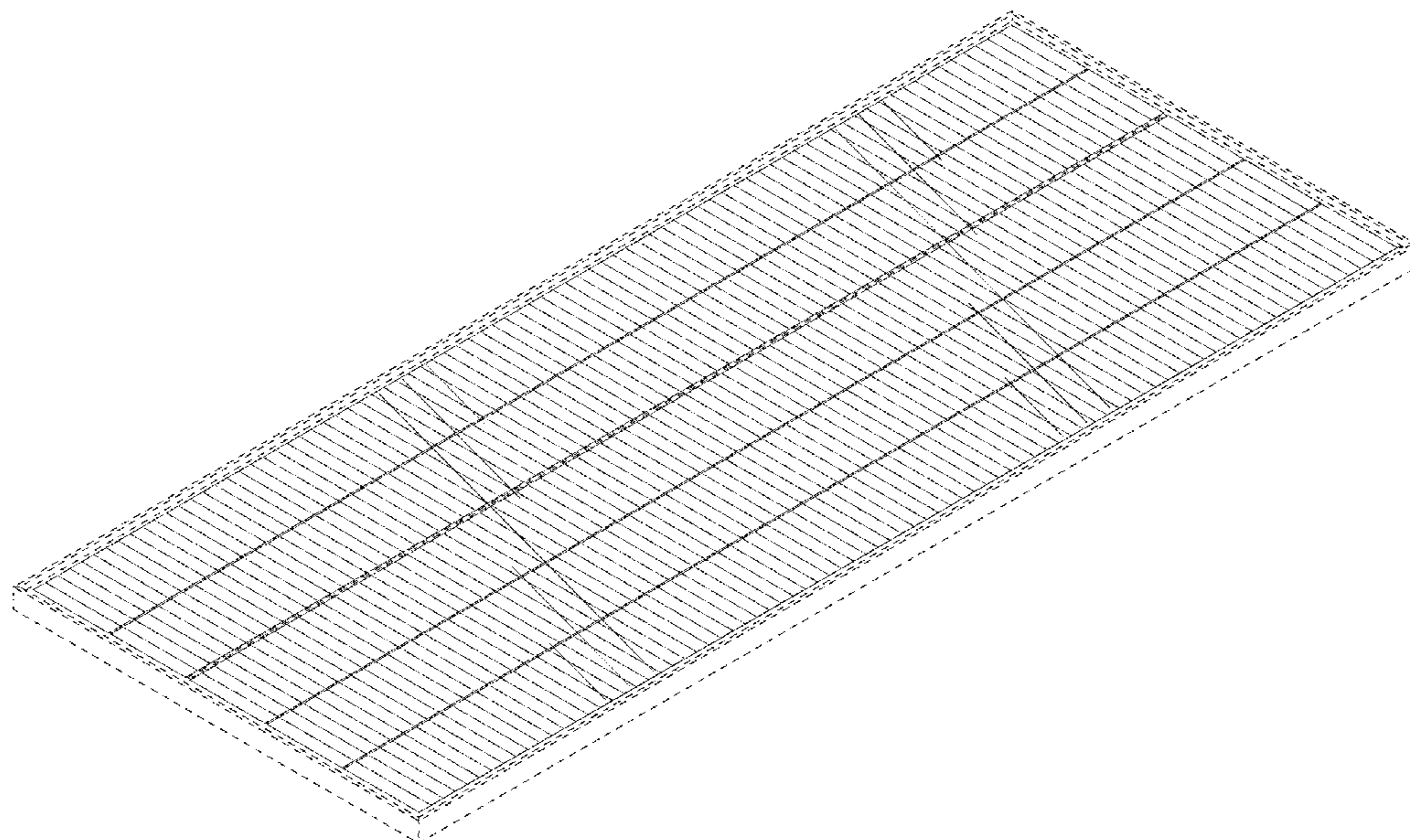
The evenly spaced broken lines shown in the figures are for the purpose of illustrating portions of the solar panel that form no part of the claimed design.

1 Claim, 5 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D913,210 S * 3/2021 Morad D13/102
- D913,913 S * 3/2021 Kim D13/102
- D914,589 S * 3/2021 Ruiz H01L 31/035281
D13/102
- D916,007 S * 4/2021 Kim D13/102
- D916,008 S * 4/2021 Kim D13/102
- D916,651 S * 4/2021 Morad D13/102
- D918,129 S * 5/2021 Caelters D13/102
- D933,584 S * 10/2021 Morad D13/102



(56)

References Cited

OTHER PUBLICATIONS

Diagram of shingle overlap CIGS cell interconnection. Jun. 2013. Research Gate. https://www.researchgate.net/figure/Diagram-of-shingle-overlap-CIGS-cell-interconnection_fig5_271553376.*

Jinko Solar New Solar Cell Record and Tiger Pro Series. Jul. 23, 2020. Regen Power. <https://regenpower.com/news/jinko-solar-new-solar-cell-record/>.*

Overlap modules A unique cell layup using smart wire connection technology. Aug. 27, 2019. AIP Conference Proceedings. <https://aip.scitation.org/doi/pdf/10.1063/1.5123867>.*

* cited by examiner

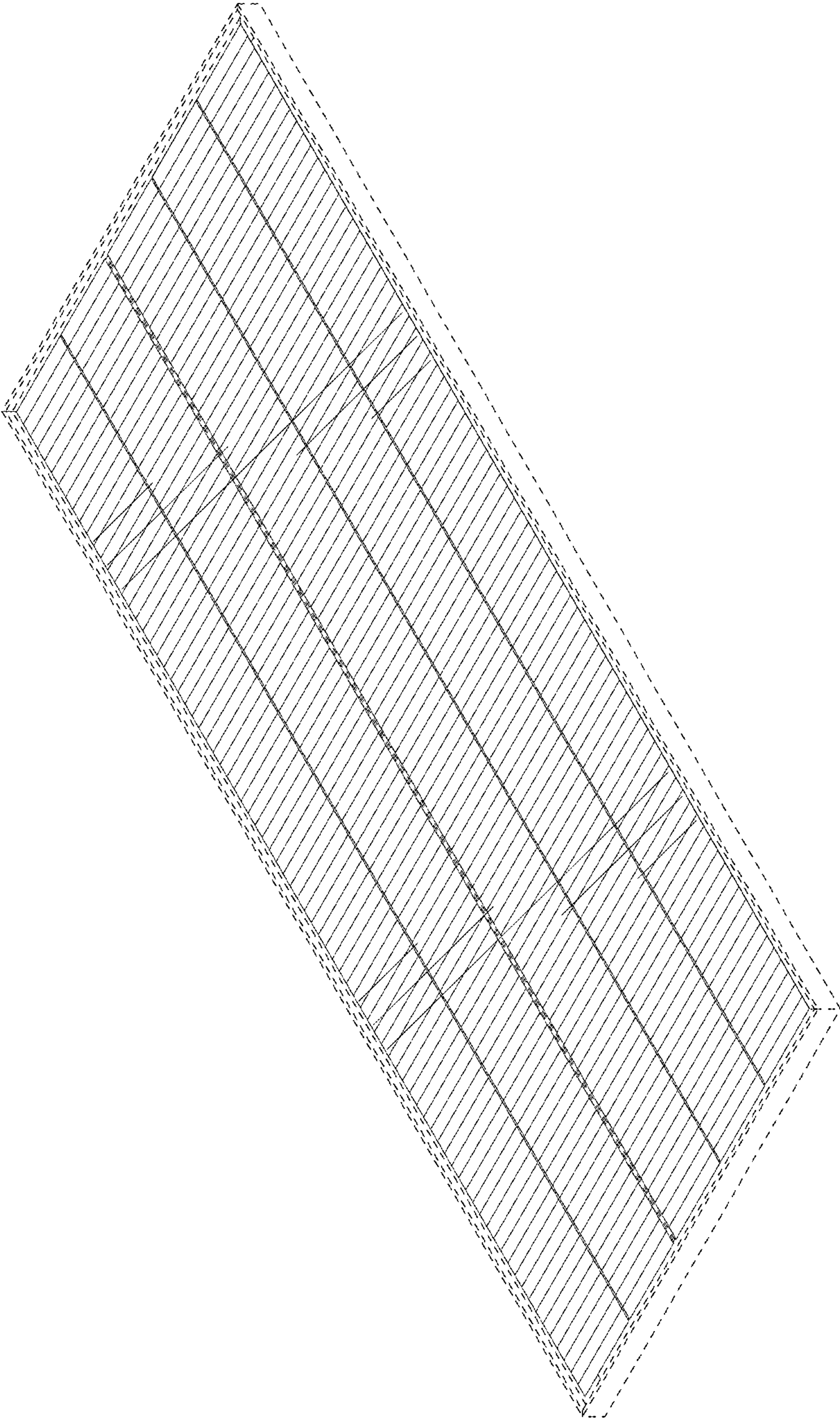


FIG. 1

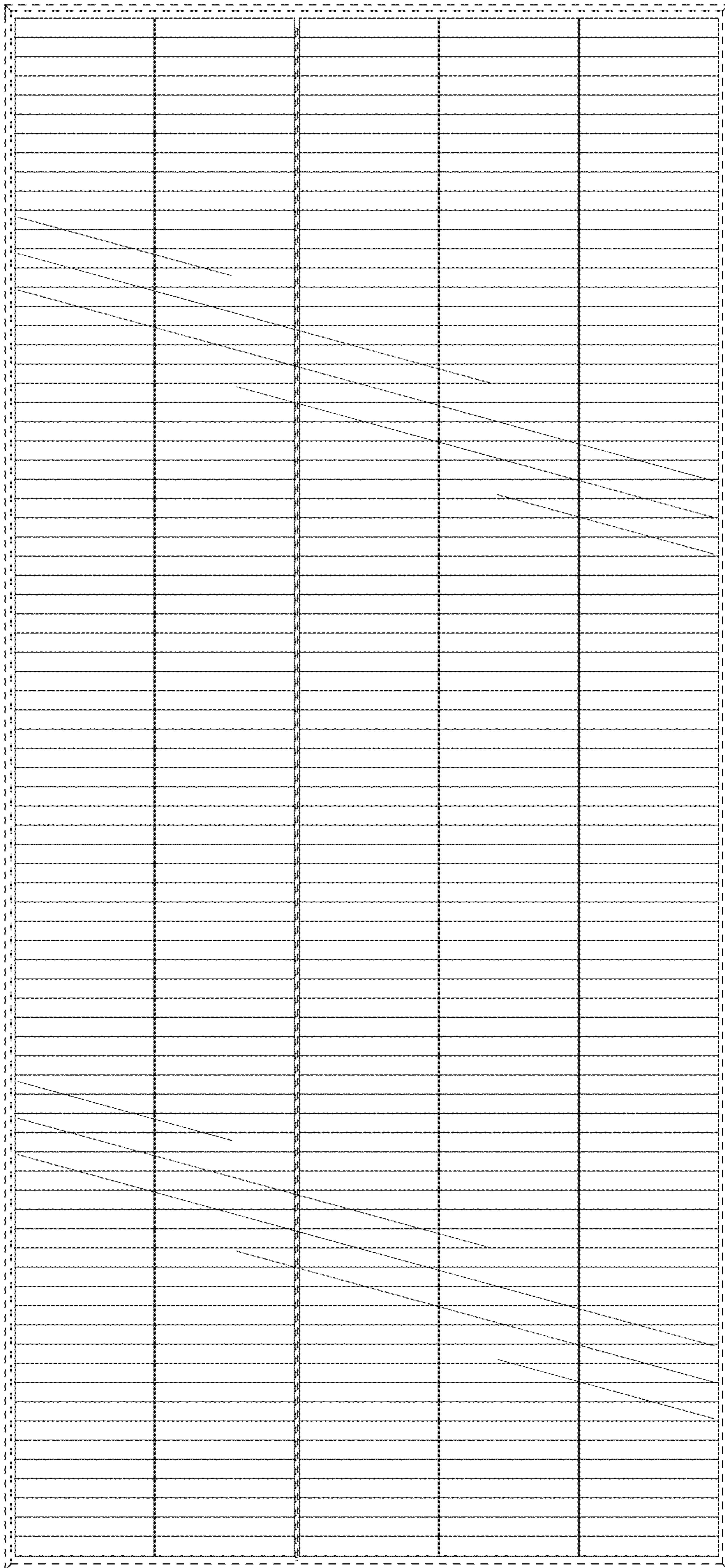


FIG. 2

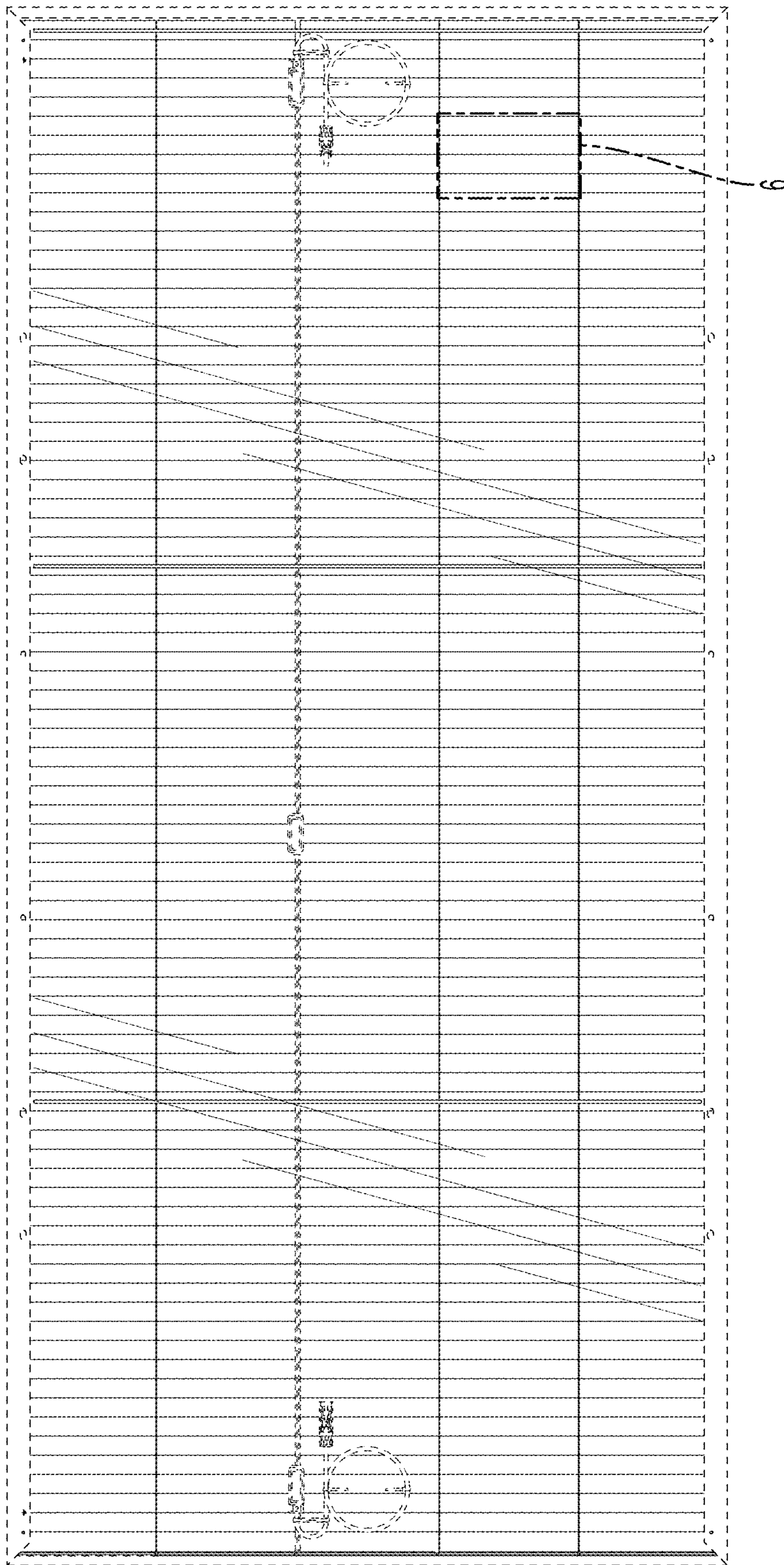


FIG. 3



FIG. 4

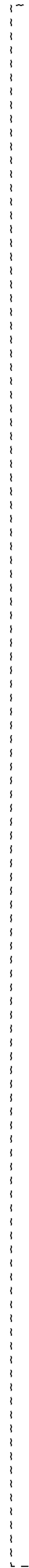


FIG. 5

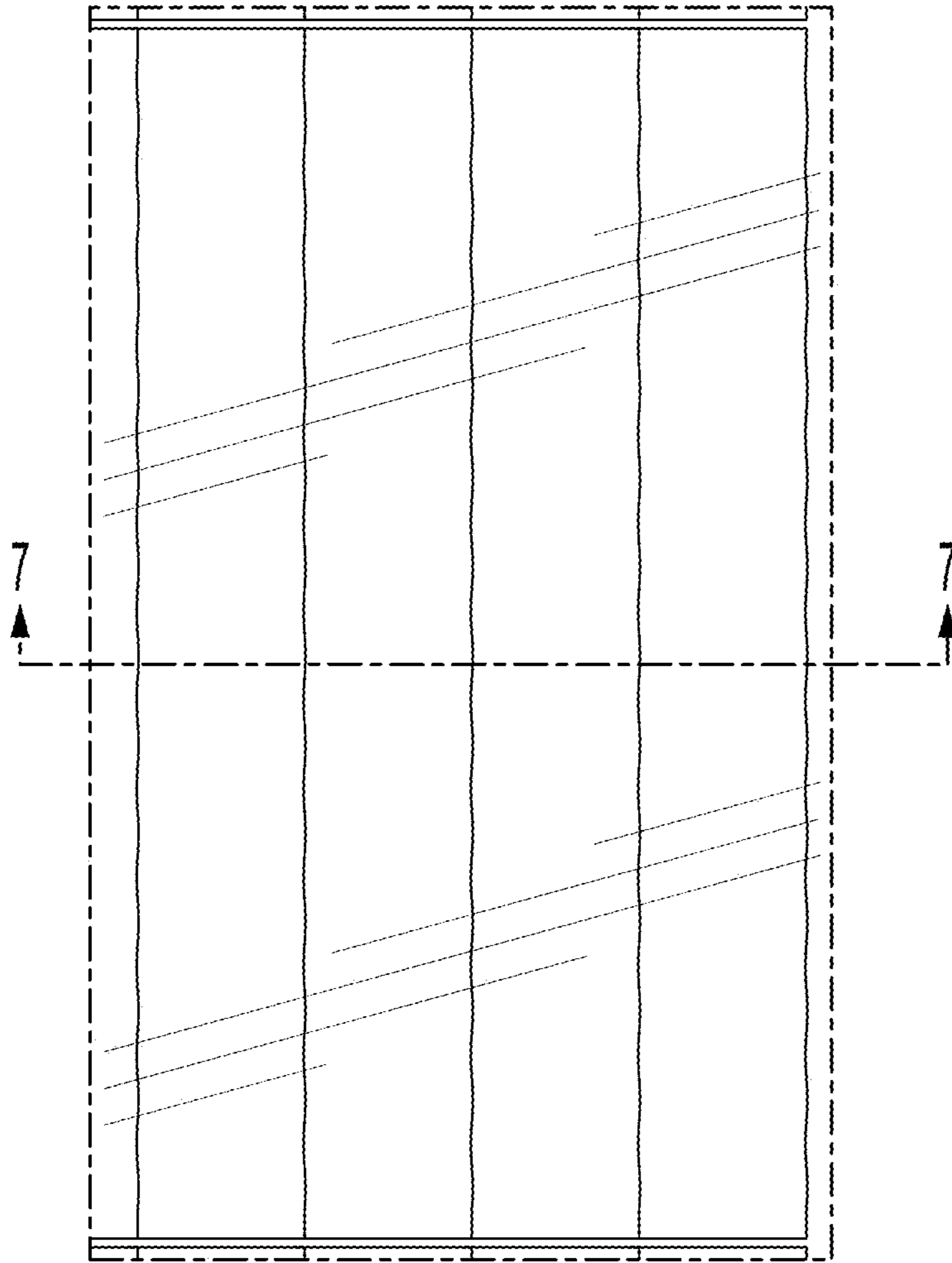


FIG. 6

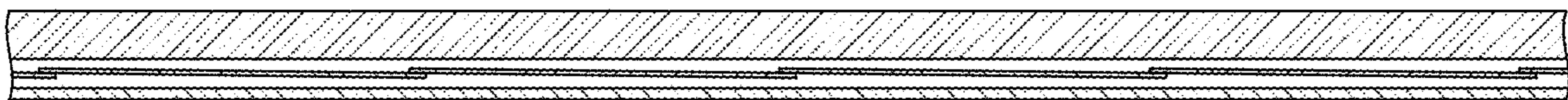


FIG. 7