



US00D909958S

(12) **United States Design Patent** (10) **Patent No.:** **US D909,958 S**
Zhou et al. (45) **Date of Patent:** **** Feb. 9, 2021**

(54) **BUSBAR-LESS SOLAR CELL**

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Search Report issued in ROC (Taiwan) Design Patent Application No. 107302413 dated May 1, 2019.

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

Primary Examiner — Derrick E Holland

(21) Appl. No.: **29/679,750**

(22) Filed: **Feb. 8, 2019**

(57) **CLAIM**

Related U.S. Application Data

The ornamental design for a busbar-less solar cell, as shown and described.

(60) Continuation of application No. 29/674,966, filed on Dec. 27, 2018, which is a division of application No. 29/624,308, filed on Oct. 31, 2017, now Pat. No. Des. 839,180.

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

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

(58) **Field of Classification Search**
USPC D13/101, 102, 107, 133, 184, 199
CPC H01L 31/02; H01L 31/18; H01L 31/042; H01L 31/048; H01L 31/0525; H01L 31/0203; H01L 31/02008; H01L 31/0504; H01L 31/02013; H01L 27/142; H01L 27/1421; Y02E 10/40; Y02E 10/47; Y02E 10/50; Y02E 10/52; Y02E 10/54; Y02E 10/542; Y02E 10/544; H02S 30/10; H02S 40/34; H02S 40/44; H02J 7/0042

DESCRIPTION

See application file for complete search history.

FIG. 1 is a top perspective view of the first embodiment of a busbar-less solar cell showing our new design;
FIG. 2 is a top plan view thereof;
FIG. 3 is a bottom plan view thereof;
FIG. 4 is a right side elevation view thereof;
FIG. 5 is a left side elevation view thereof;
FIG. 6 is a back elevation view thereof;
FIG. 7 is a front elevation view thereof;
FIG. 8 is a top perspective view of the second embodiment of a busbar-less solar cell showing our new design;
FIG. 9 is a top plan view thereof;
FIG. 10 is a bottom plan view thereof;
FIG. 11 is a right side elevation view thereof;
FIG. 12 is a left side elevation view thereof;
FIG. 13 is a back elevation view thereof; and,
FIG. 14 is a front elevation view thereof.

All elements shown in the top plan view of FIGS. 1, 2, 8 and 9 are structural lines on the surface and are flat with the top surface.

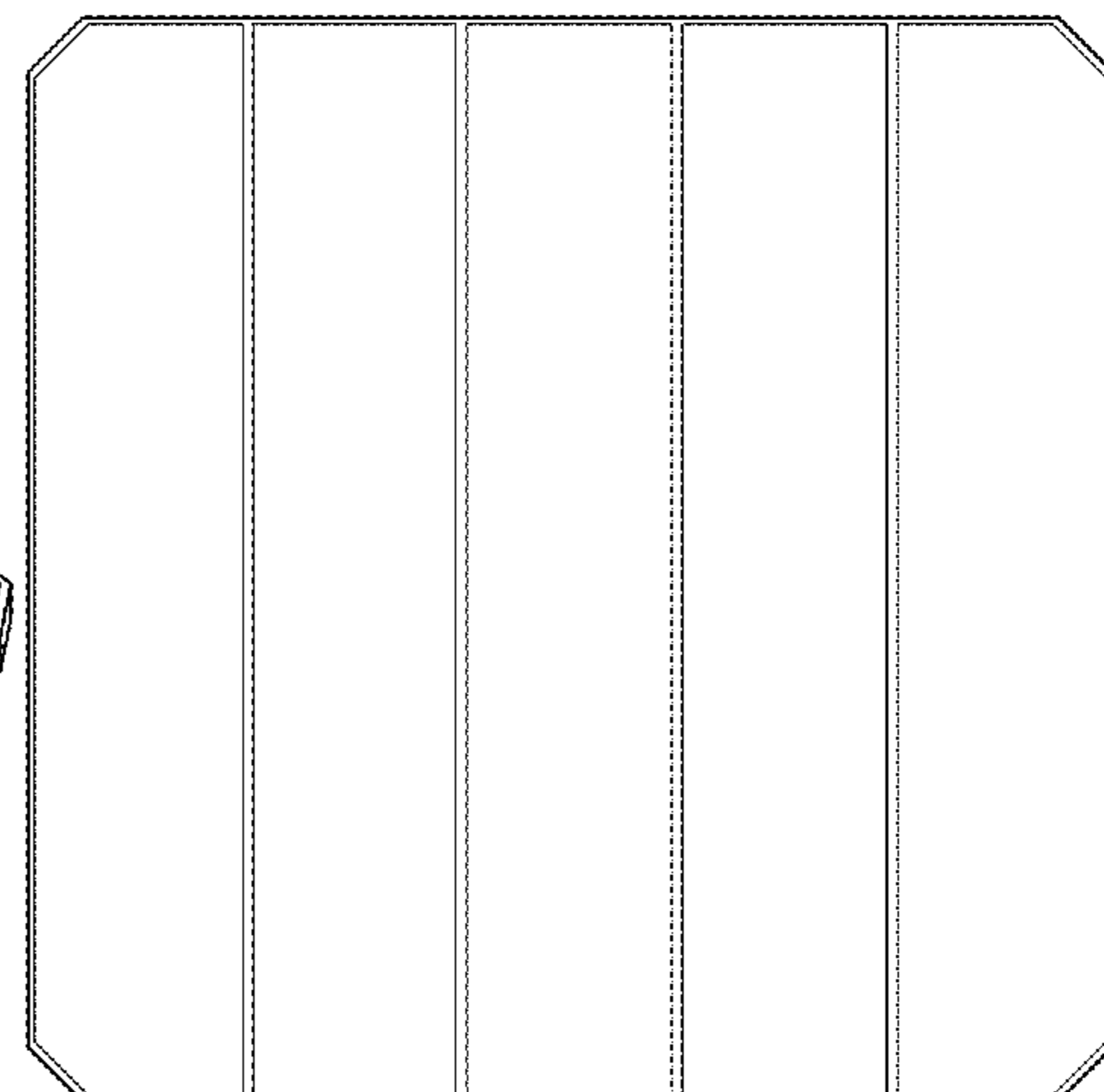
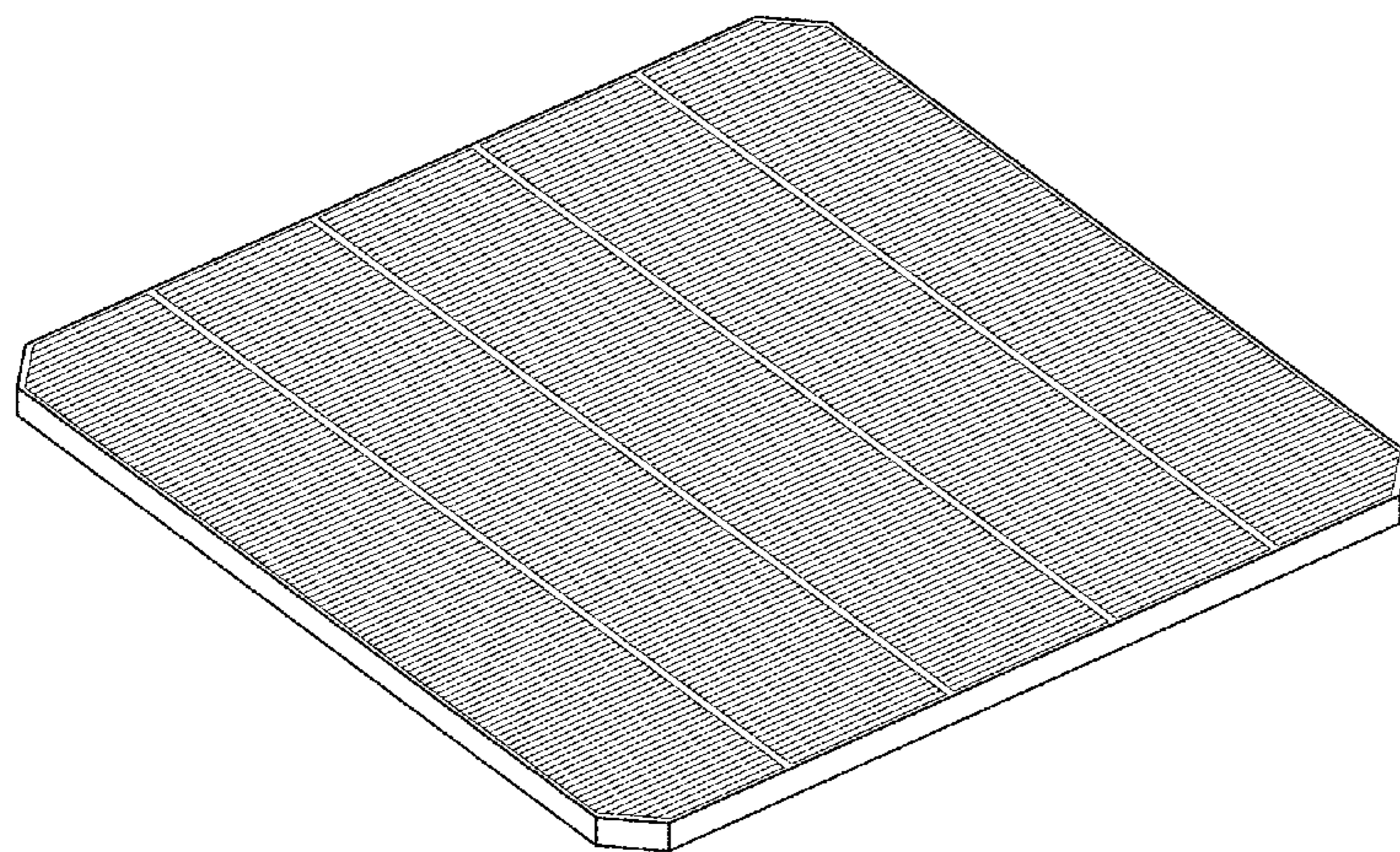
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1 Claim, 6 Drawing Sheets



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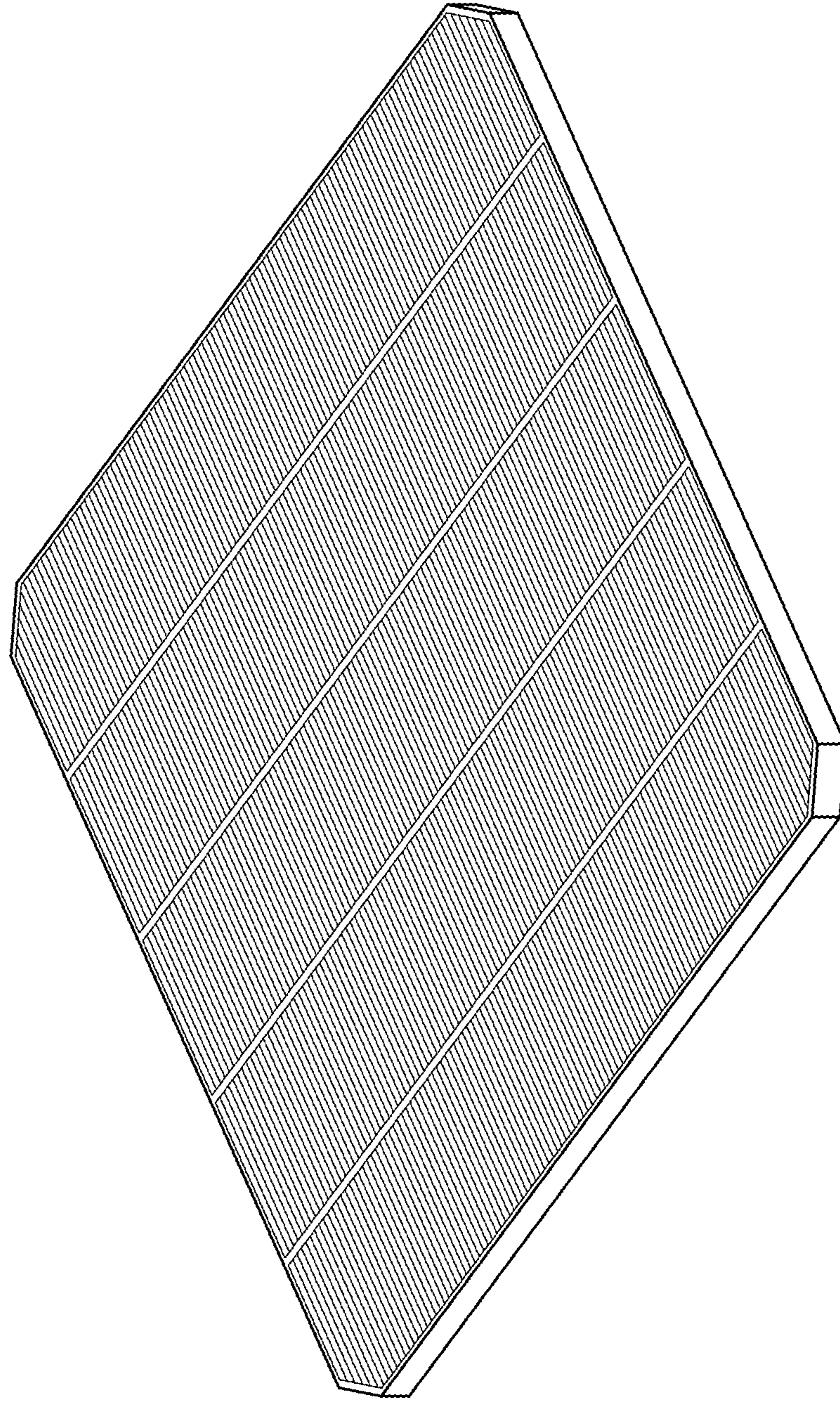


FIG. 1

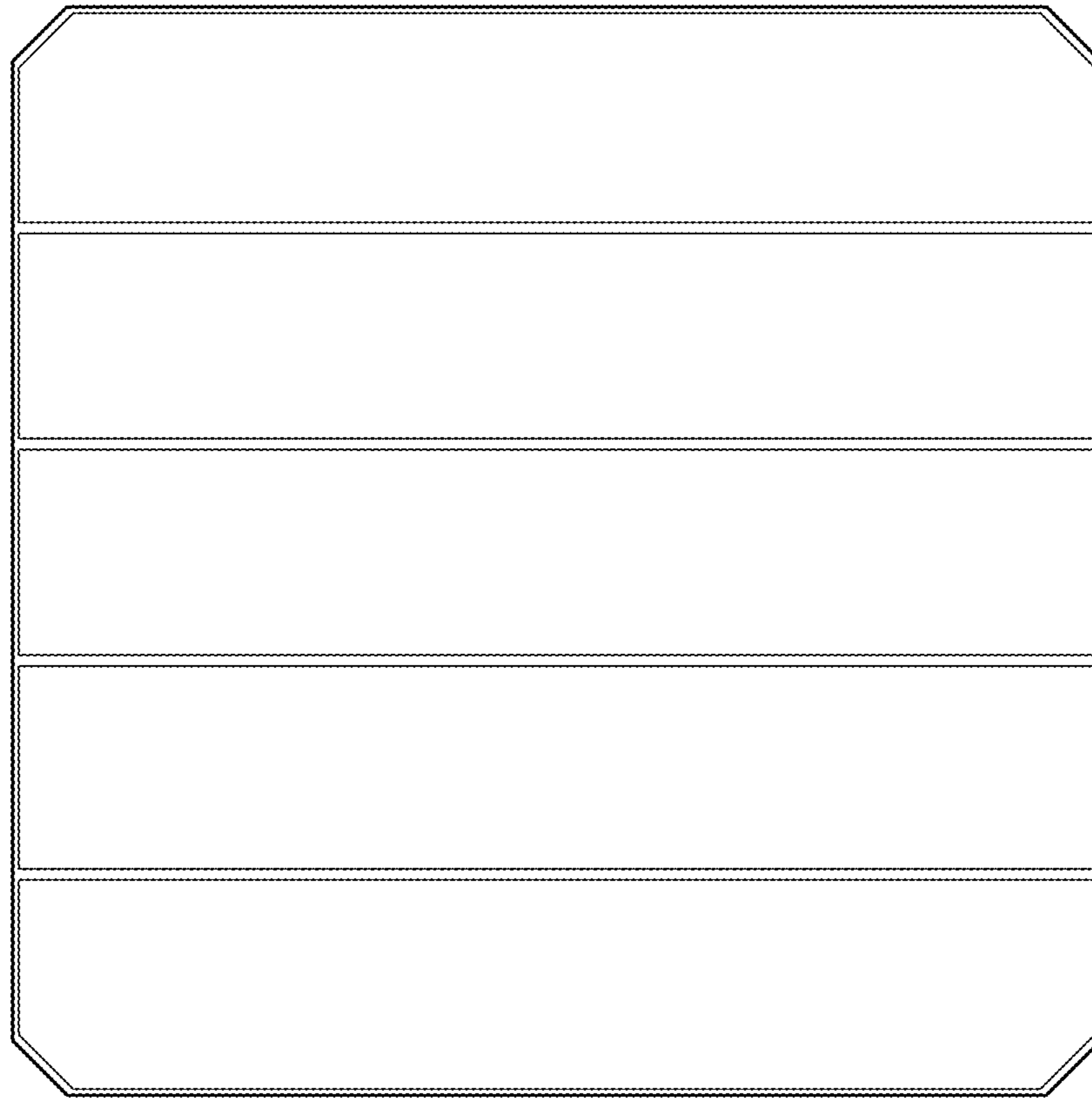


FIG. 3

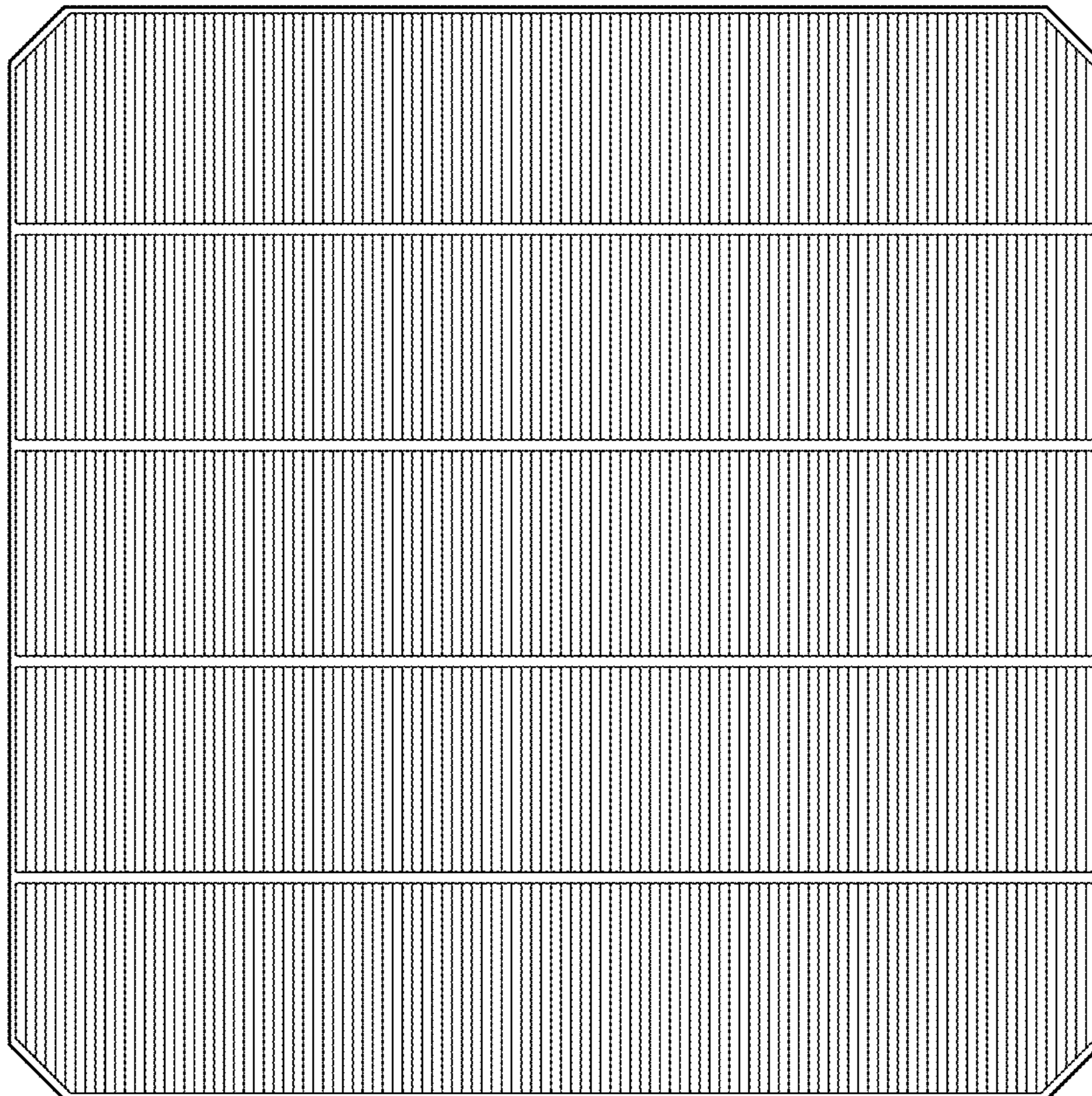


FIG. 2



FIG. 4

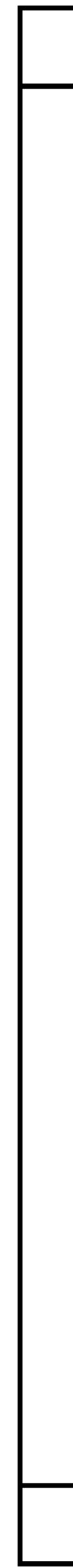


FIG. 5

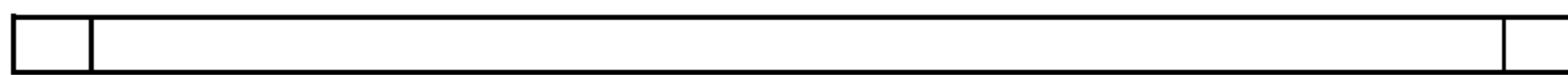


FIG. 6

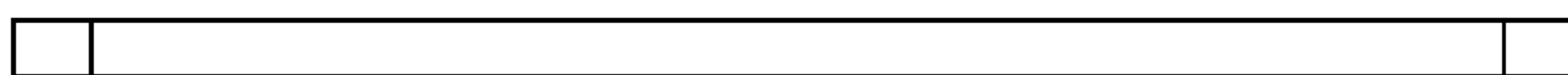


FIG. 7

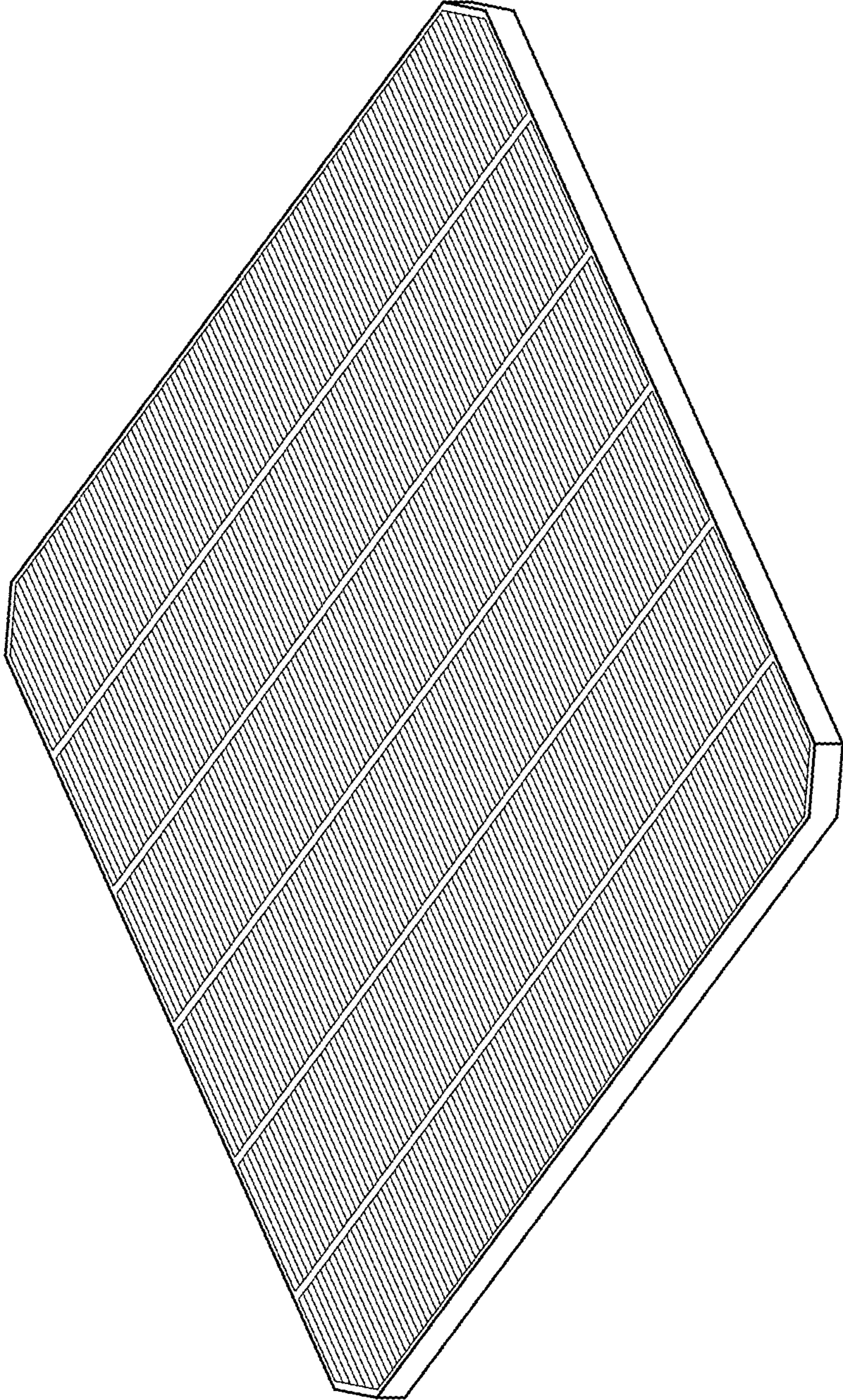


FIG. 8

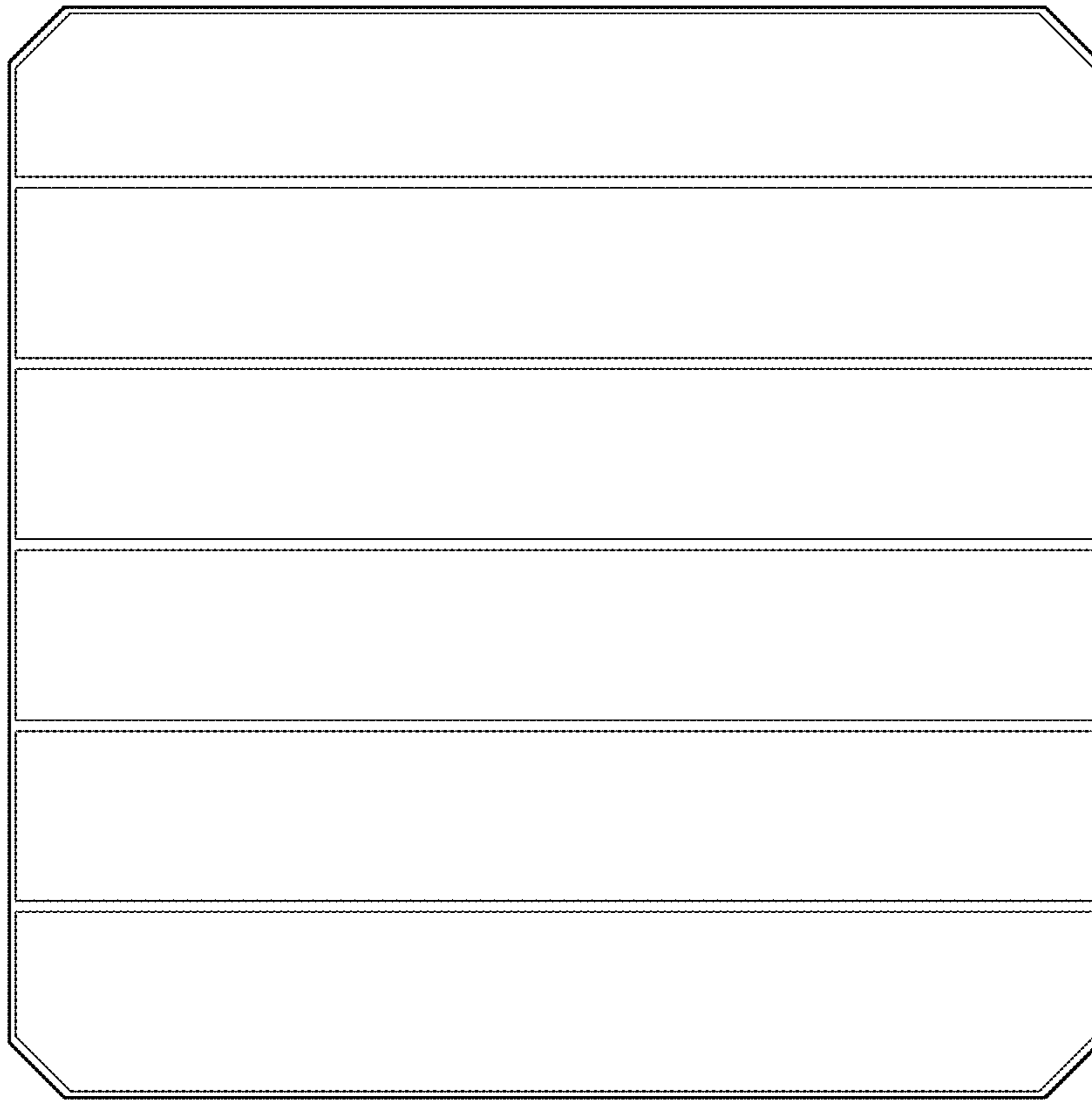


FIG. 10

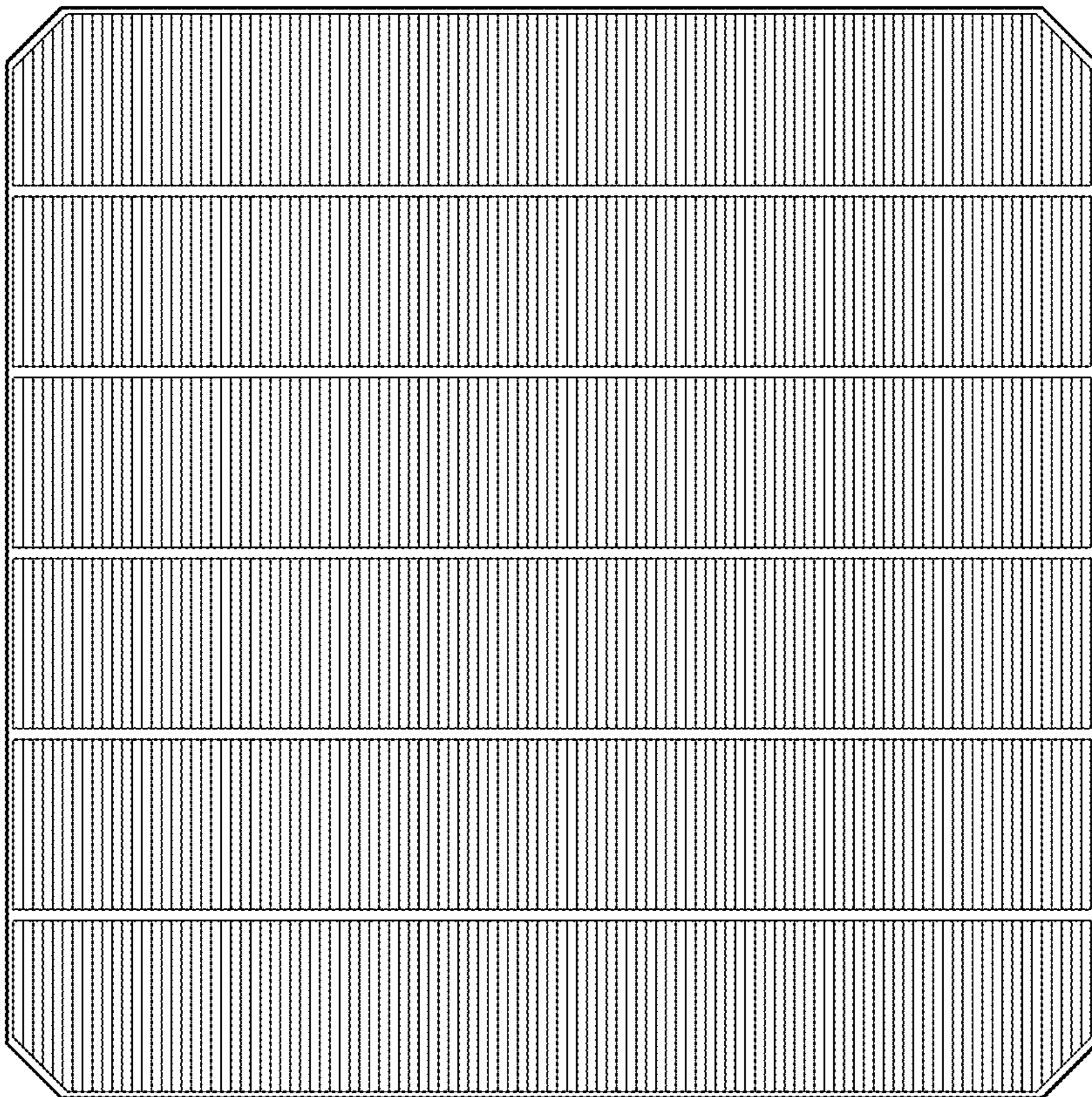


FIG. 9

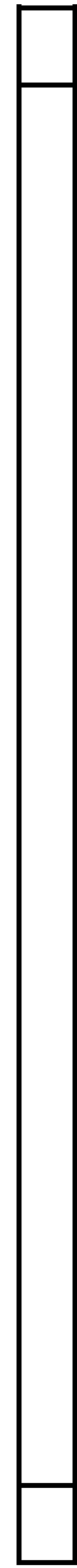


FIG. 11

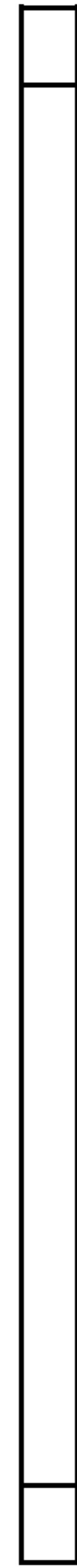


FIG. 12

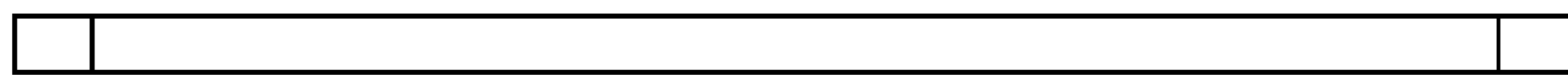


FIG. 13

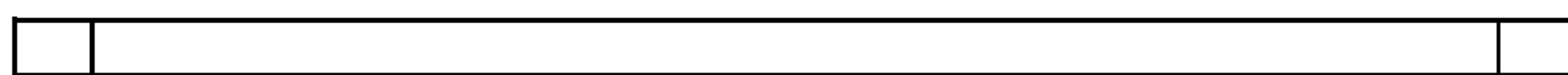


FIG. 14