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(12) **United States Design Patent** (10) **Patent No.:** **US D988,249 S**
Nakayashiki et al. (45) **Date of Patent:** **** Jun. 6, 2023**

(54) **SOLAR ARRAY**

(71) Applicant: **REC Solar Pte. Ltd.**, Singapore (SG)

(72) Inventors: **Kenta Nakayashiki**, Singapore (SG);
Bjoern Erik Andersson, Singapore (SG)

(73) Assignee: **REC SOLAR PTE. LTD.**, Singapore (SG)

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

(21) Appl. No.: **29/821,156**

(22) Filed: **Dec. 28, 2021**

Related U.S. Application Data

(63) Continuation of application No. 29/726,621, filed on Mar. 4, 2020, now Pat. No. Des. 940,644, which is a continuation of application No. 29/704,794, filed on Sep. 6, 2019, now Pat. No. Des. 889,393.

(30) **Foreign Application Priority Data**

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(51) **LOC (14) Cl.** **13-02**

(52) **U.S. Cl.**

USPC **D13/102**

(58) **Field of Classification Search**

USPC D13/102, 101, 103, 110, 107, 108, 199

CPC H01L 31/00; H01L 31/042; H01L 31/045;

H01L 31/048; H01L 31/052; H01L

31/0475; H01L 31/0485; H01M 10/052;

H01M 10/465; H02S 30/10; H02S 30/20;

H02S 10/40; Y02E 10/50; Y02E 10/52;

Y02E 10/56; Y10S 136/291; Y10S

136/293; H02J 7/35

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D353,129 S * 12/1994 Ricaud D13/102
D716,218 S * 10/2014 Loeckenhoff D13/102
D767,484 S * 9/2016 Morad D13/102
D772,803 S * 11/2016 Haas D13/102
D778,234 S * 2/2017 Cheung D13/102

(Continued)

FOREIGN PATENT DOCUMENTS

EM 002065391-0005 6/2012
EM 006264107-0004 2/2019

(Continued)

OTHER PUBLICATIONS

“Half-cell reduces power generation losses by 75%, trina’s new module”, retrived from <https://www.itmedia.co.jp/smartjapan/articles/1803/09/news041.html>, published Mar. 9, 2018.

(Continued)

Primary Examiner — Derrick E Holland

(74) *Attorney, Agent, or Firm* — Leason Ellis LLP

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a top perspective view of solar array according to our new design;

FIG. 2 is a top view thereof;

FIG. 3 is a bottom view thereof;

FIG. 4 is a front view thereof;

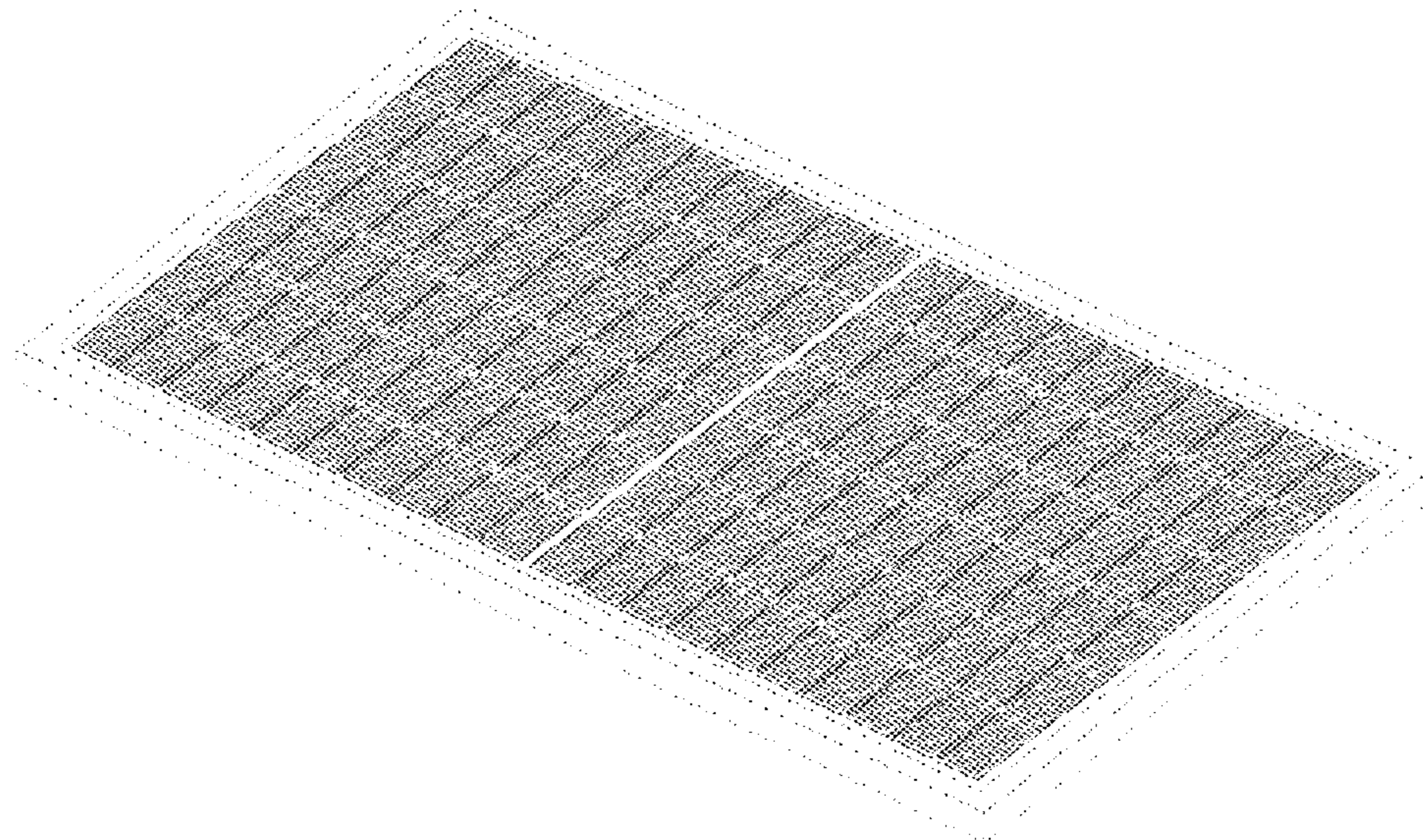
FIG. 5 is a rear view thereof;

FIG. 6 is a right side view thereof; and,

FIG. 7 is a left side view thereof.

The broken lines in the drawings represent environmental subject matter and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D788,027 S * 5/2017 Gibson D13/102
D812,554 S * 3/2018 Gibson D13/102
D821,303 S * 6/2018 Albright D13/102
D832,203 S * 10/2018 Caswell D13/102
D841,571 S * 2/2019 Zhou D13/102
2012/0204938 A1* 8/2012 Hacke H01L 31/022441
136/246
2012/0318319 A1* 12/2012 Pinarbasi H01L 31/0201
257/E33.001

FOREIGN PATENT DOCUMENTS

EM 006538104-0001 5/2019
EM 006573630-0001 6/2019

OTHER PUBLICATIONS

Splitmax enlarged view, https://image.itmedia.co.jp/smartjapan/articles/1803/09/1_mat20180308trina_image01.jpg, retrieved Mar. 31, 2020.

Office Action for corresponding JP Application No. 2019-01995 dated Apr. 14, 2020.

* cited by examiner

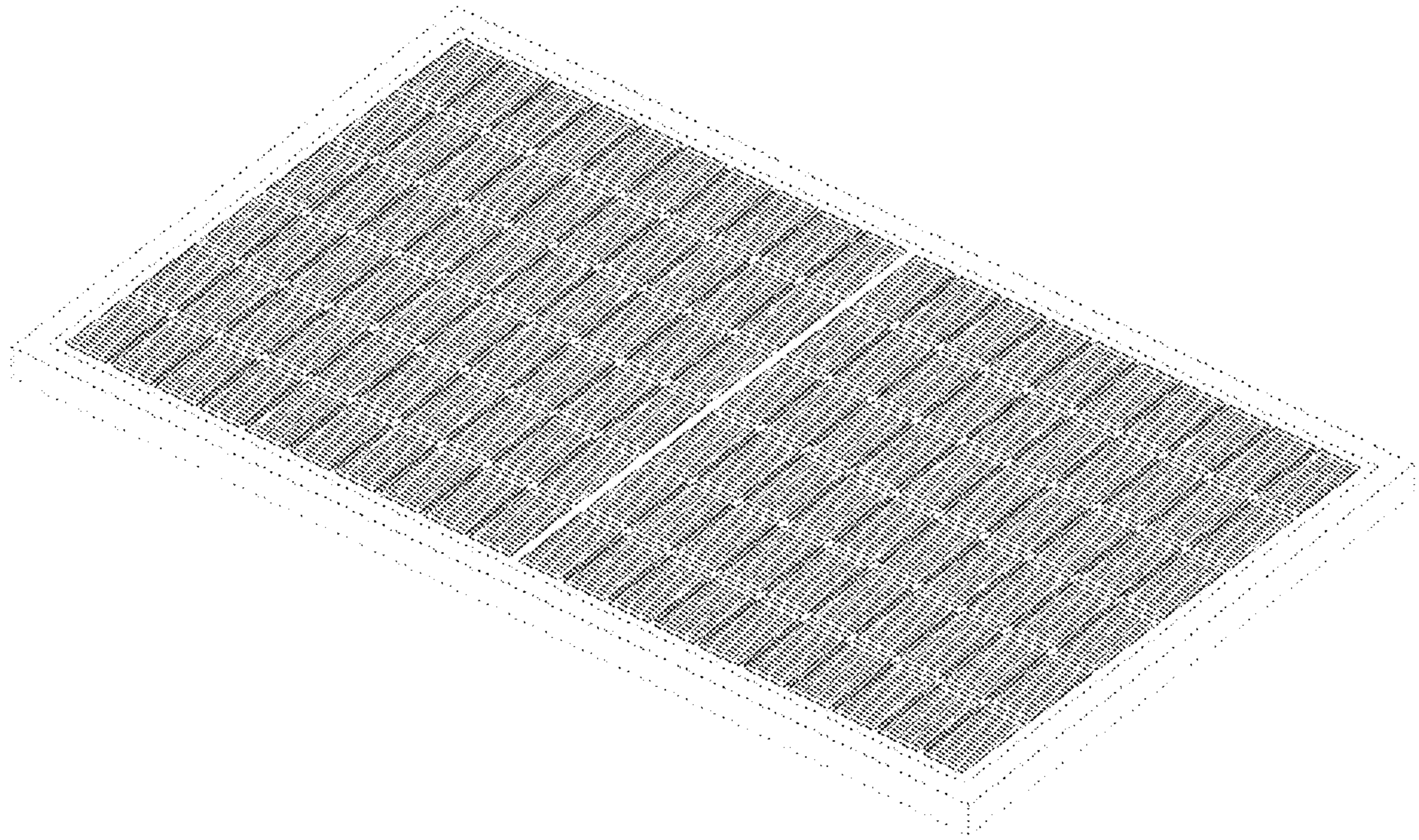


FIG. 1

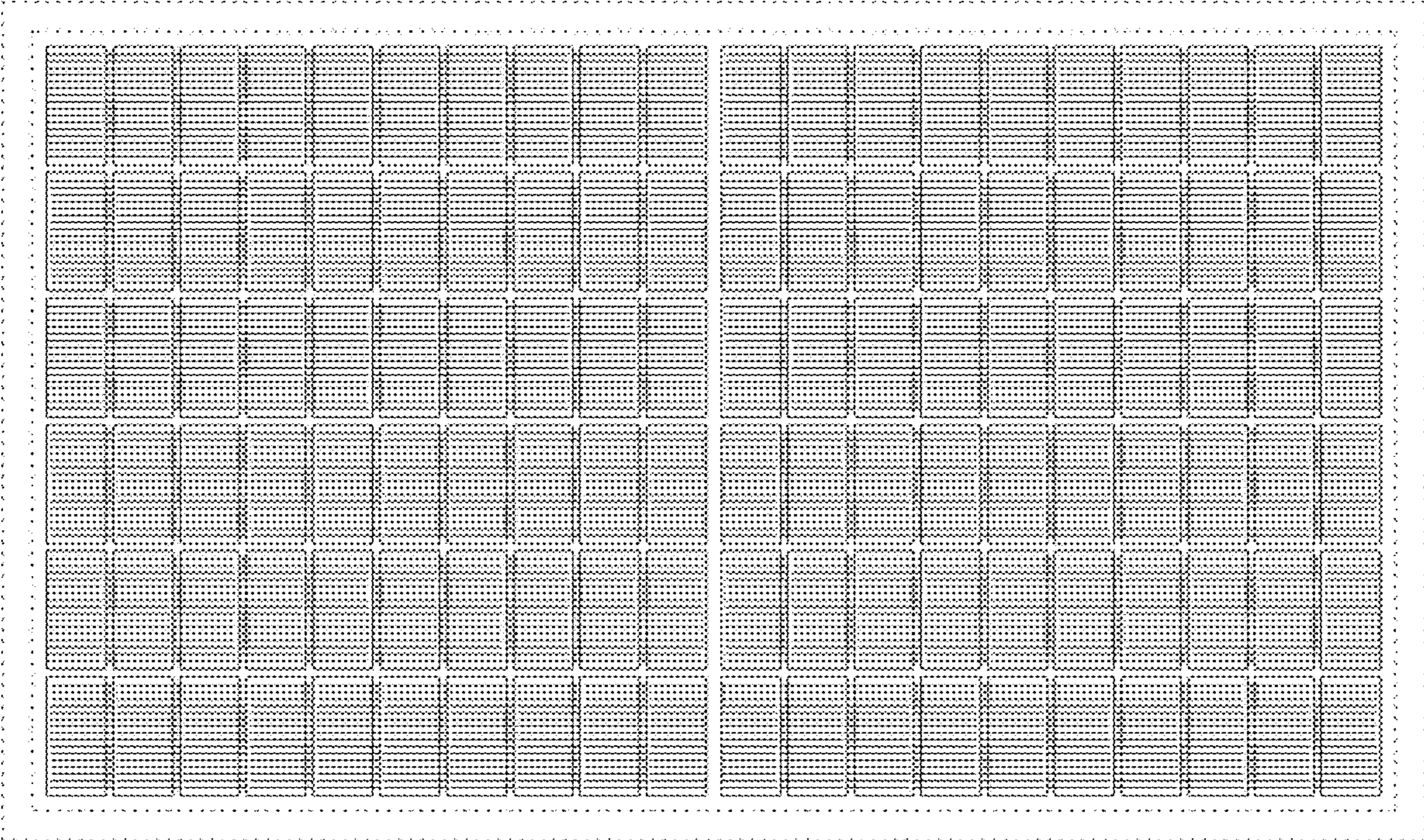


FIG. 2

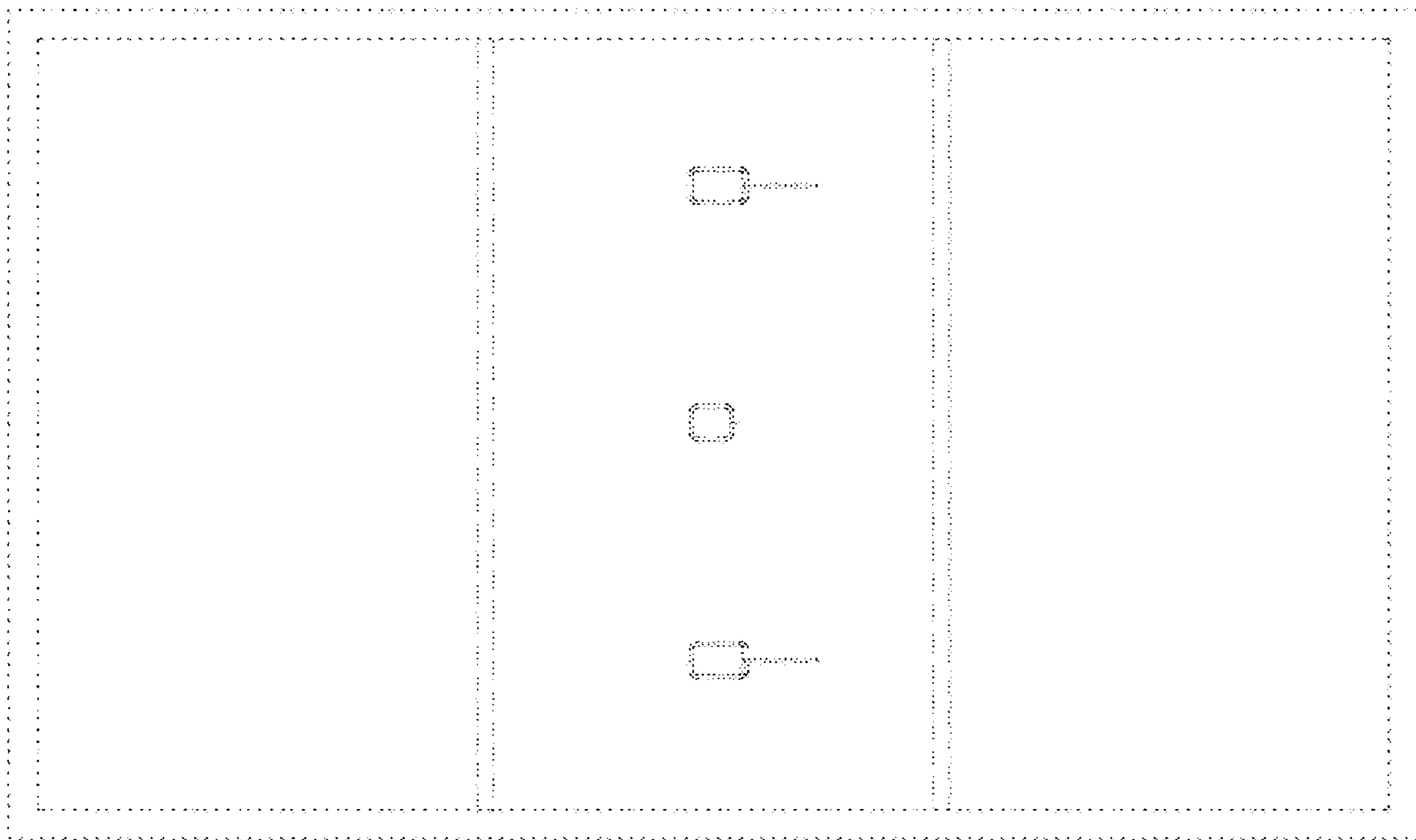


FIG. 3

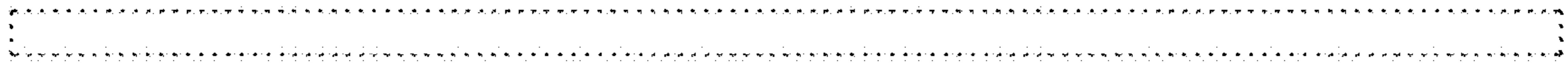


FIG. 4



FIG. 5

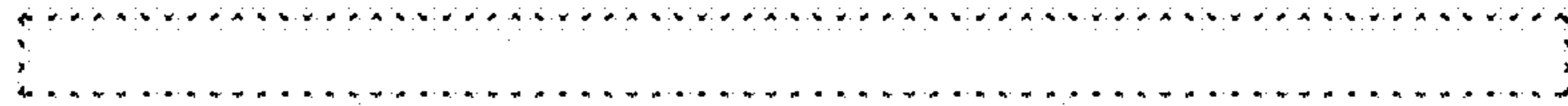


FIG. 6

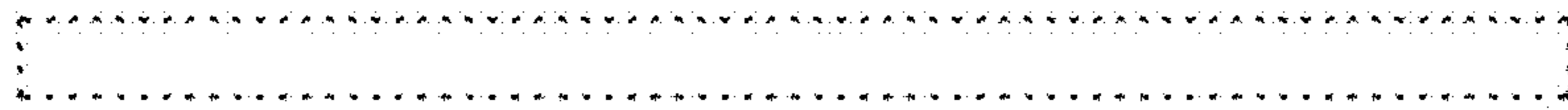


FIG. 7