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(12)

United States Design Patent

Nakayashiki

(10)

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(54) SOLAR CELL

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

(\*\*) Term: 15 Years

(21) Appl. No.: 29/841,781

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(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 ..... D13/101, 102, 103, 107, 108, 184, 199;

D2/914, 915; D8/16, 19; D24/189;

D28/7, 8

CPC ... H01M 10/052; H01M 10/465; H02S 30/10;

H02S 30/20; H02S 30/40; H02S 30/42;

H02S 30/50; H02S 30/52; Y02E 10/50;

Y02E 10/52; F21S 8/006; F21S 8/081;

F21S 8/083; F21S 8/088

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D830,962 S \* 10/2018 Fang ..... D13/102

D837,729 S \* 1/2019 Fang ..... D13/102

D845,226 S \* 4/2019 Hsu ..... D13/102

D846,491 S \* 4/2019 Fang ..... D13/102

D887,967 S \* 6/2020 Chang ..... D13/102

D905,625 S \* 12/2020 Zhou ..... D13/102

D908,607 S \* 1/2021 Zhou ..... D13/102

D909,956 S \* 2/2021 Zhou ..... D13/102

D920,897 S \* 6/2021 Xu ..... D13/102

D942,370 S \* 2/2022 Han ..... D13/102

D967,009 S \* 10/2022 Guanqi ..... D13/102

D978,781 S \* 2/2023 Lin ..... D13/102

D1,002,523 S \* 10/2023 Lin ..... D13/102

OTHER PUBLICATIONS

Solar Cells. (Design—© Questel) orbit.com. [Online PDF compilation of references] 46 pgs. Print Dates Range Mar. 15, 2023-Aug. 2, 2023 [Retrieved Oct. 26, 2023].\*

4W Solar Panel for Select Ring Security Cameras. Before Jan. 2023. Best Buy. <https://www.bestbuy.com/site/reviews/4w-solar-panel-for-select-ring-security-cameras-black/6524318?variant=A&sort=OLDEST>.\*

(Continued)

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(57) CLAIM

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

DESCRIPTION

FIG. 1 is a top perspective view of a solar cell 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;

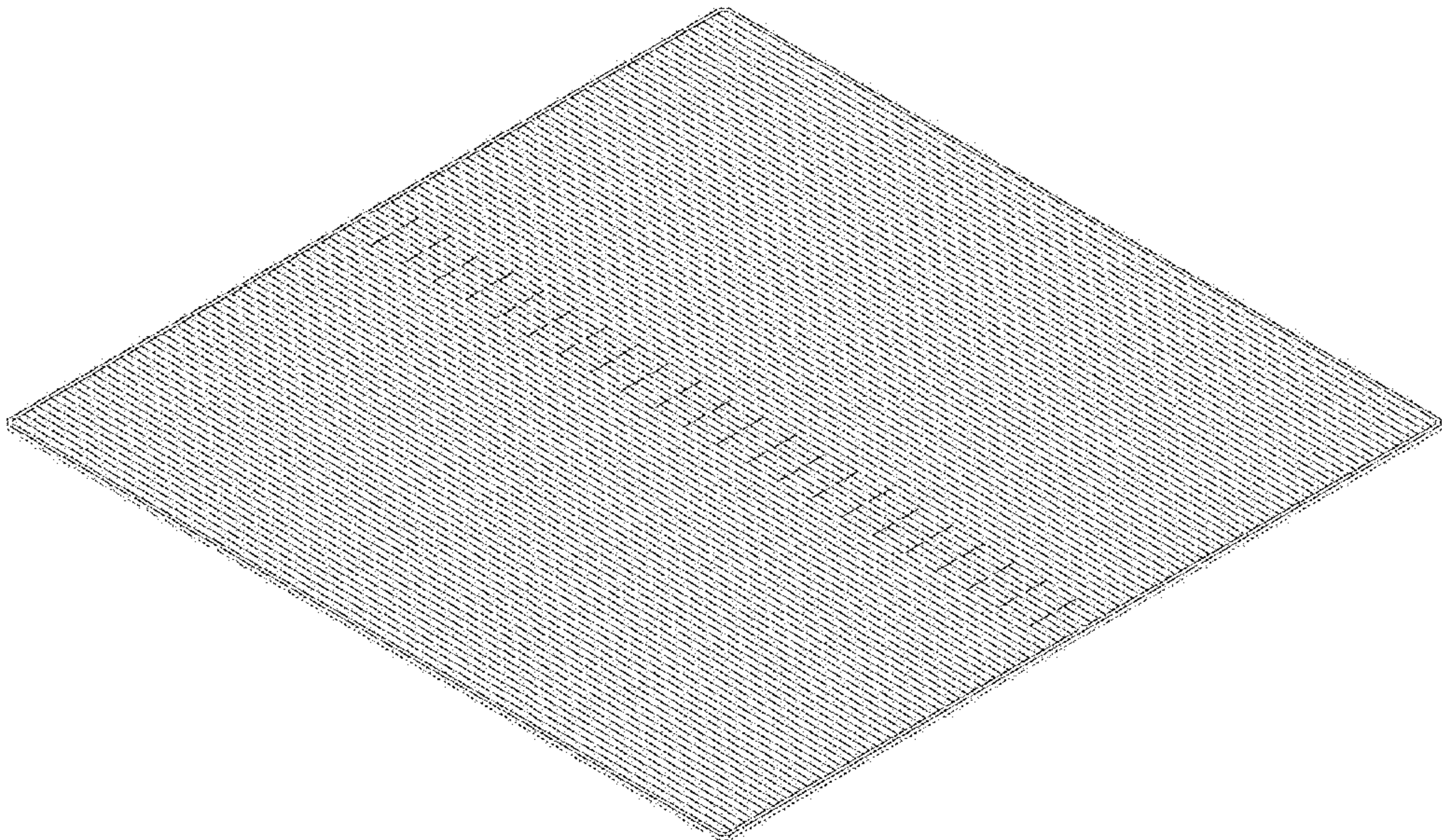
FIG. 5 is a rear view thereof;

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

FIG. 7 is a left-side view thereof.

The broken line showing is included for the purpose of illustrating features and environment and forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)                      **References Cited**

OTHER PUBLICATIONS

Mega 200 Watt Monocrystalline Solar Panel. Before Aug. 13, 2021.  
Rich Solar. [https://richsolar.com/products/200-watt-24-volt-solar-panel?variant=32199381909553&gclid=Cj0KCQjwy4KqBhD0ARlsAEbCt6iitAdUEYn10UTIX7AaLyyaUZOXCY-R-ozm7\\_kfm8c2LMM4eR\\_LFhYaAtfDEALw\\_wcB.\\*](https://richsolar.com/products/200-watt-24-volt-solar-panel?variant=32199381909553&gclid=Cj0KCQjwy4KqBhD0ARlsAEbCt6iitAdUEYn10UTIX7AaLyyaUZOXCY-R-ozm7_kfm8c2LMM4eR_LFhYaAtfDEALw_wcB.*)  
110W 12V Monocrystalline Solar Panel. Before Jul. 4, 2022.  
NewPowa. [https://www.newpowa.com/110w-9v-monocrystalline-solar-panel/?gad\\_source=1&gclid=Cj0KCQjwy4KqBhD0ARlsAEbCt6jkkwLRbSt3SFacL7AozbvR\\_wOVEYtTOJVUuLs-y97z2BPktoqckUaAhj8EALw\\_wcB.\\*](https://www.newpowa.com/110w-9v-monocrystalline-solar-panel/?gad_source=1&gclid=Cj0KCQjwy4KqBhD0ARlsAEbCt6jkkwLRbSt3SFacL7AozbvR_wOVEYtTOJVUuLs-y97z2BPktoqckUaAhj8EALw_wcB.*)

\* cited by examiner

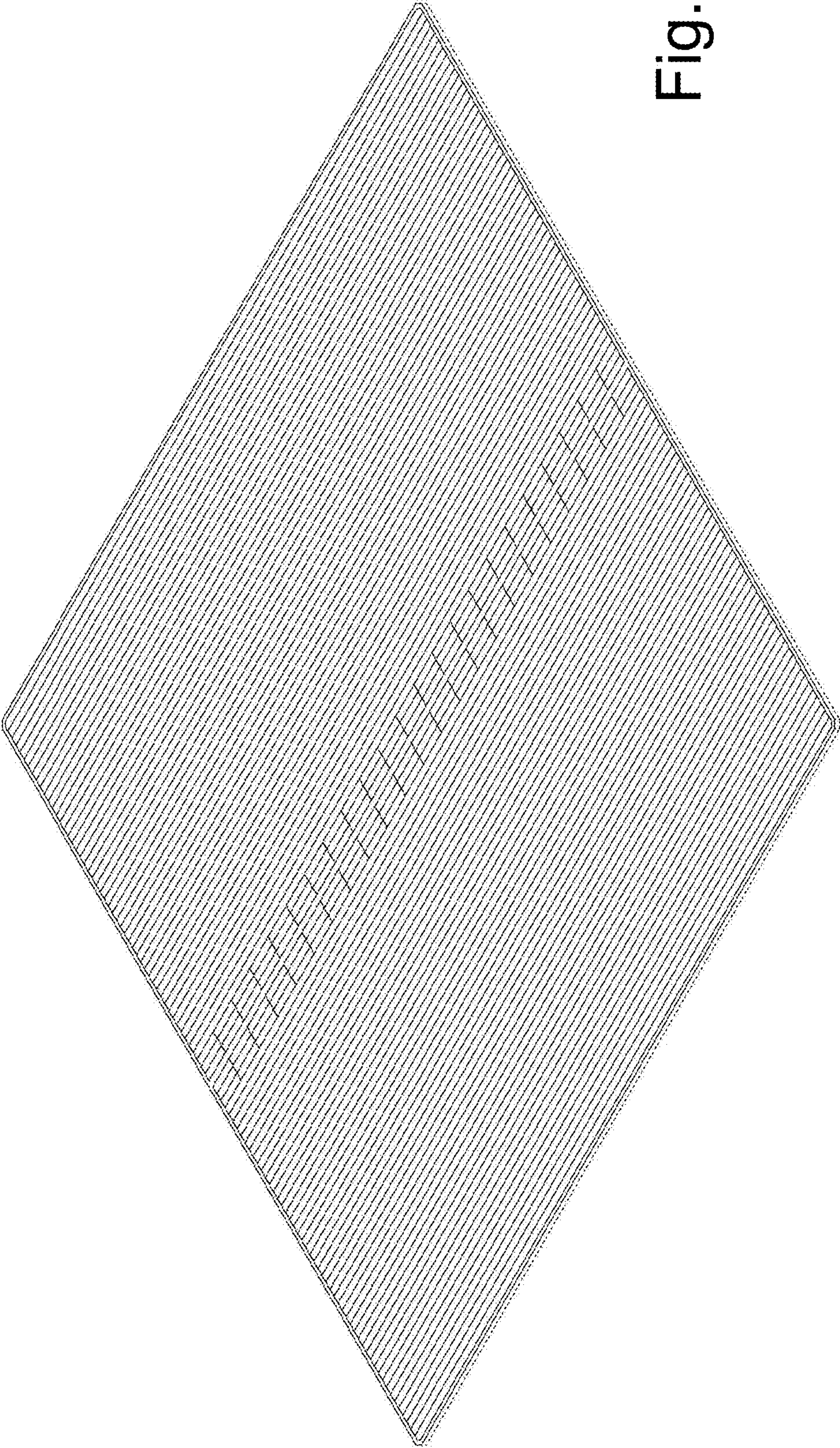


Fig. 1

Fig. 2

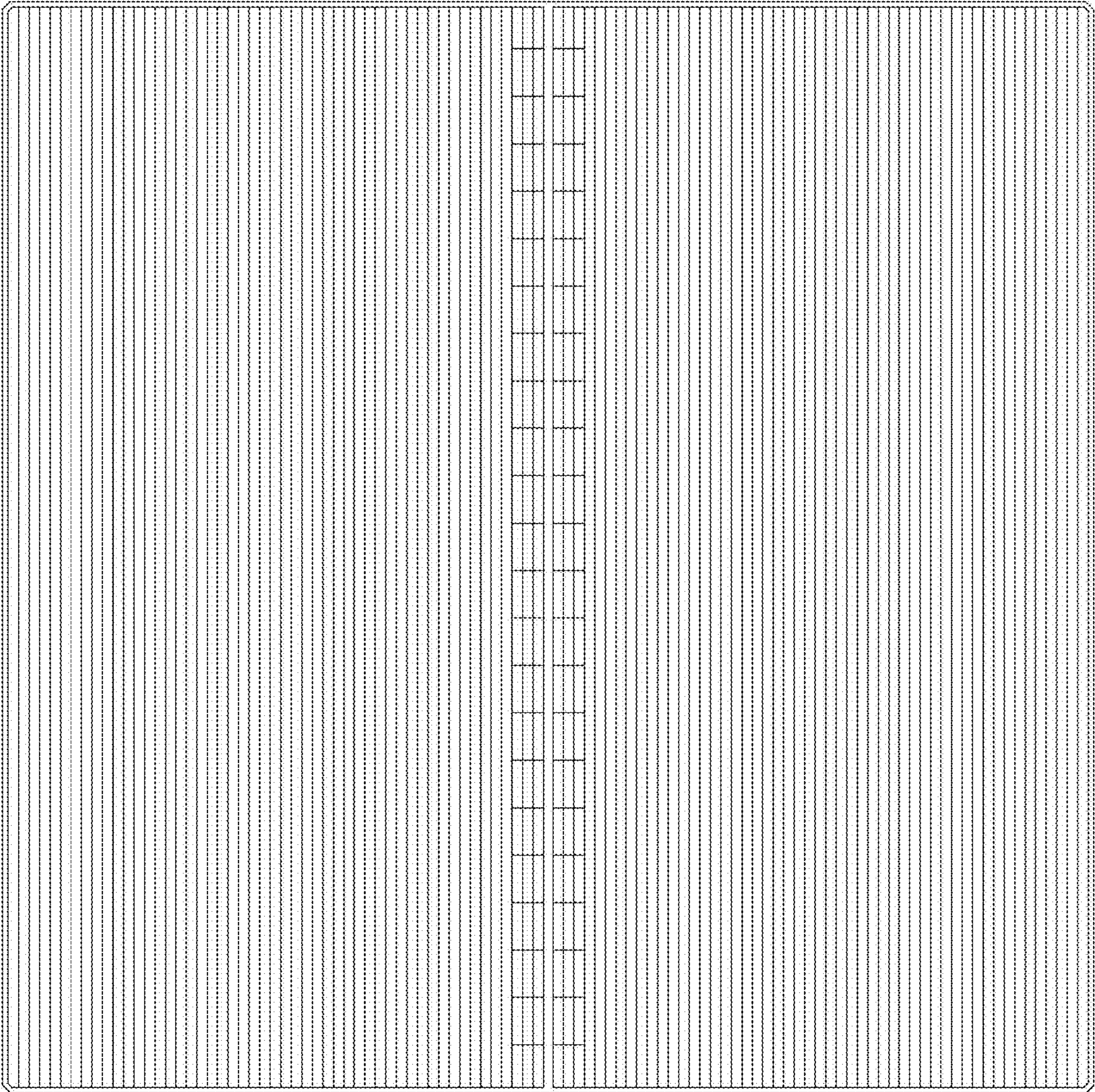


Fig. 3

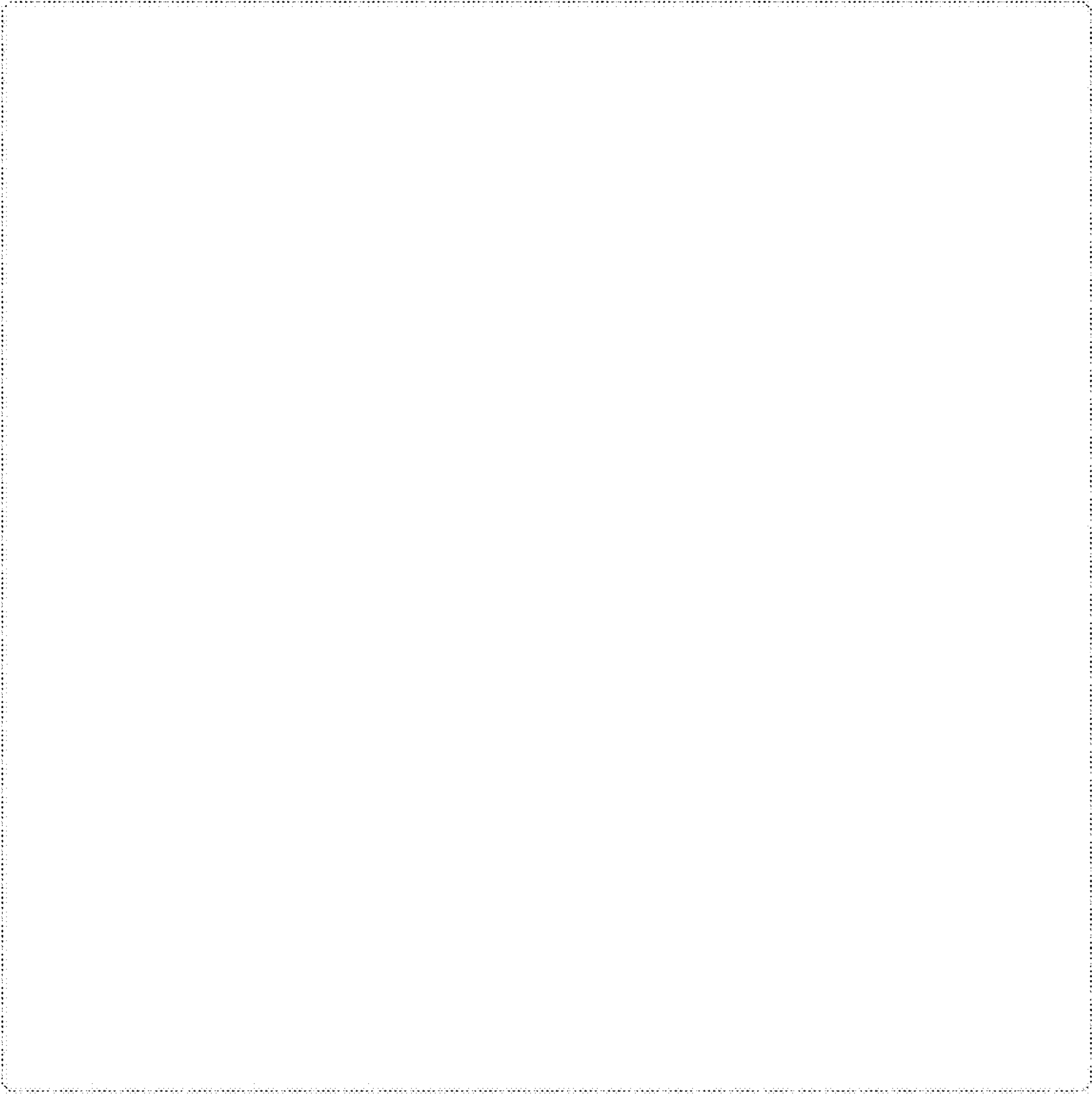


Fig. 4

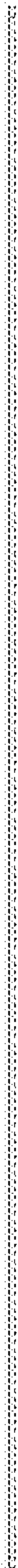


Fig. 5

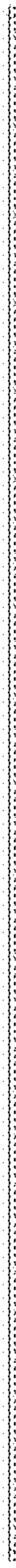


Fig. 6

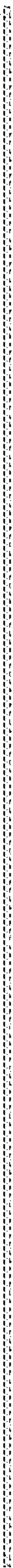


Fig. 7

