



US00D902143S

(12) **United States Design Patent** (10) **Patent No.:** **US D902,143 S**
Fukuda (45) **Date of Patent:** **** Nov. 17, 2020**

(54) **SOLAR CELL**

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(73) Assignee: **Kaneka Corporation**, Osaka (JP)

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (12) 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 31/042; H01L 31/048;
H01L 31/0525; H01L 31/0203; H01L
31/02008; H01L 27/142; H01L 27/1421;
Y02E 10/40; Y02E 10/47; Y02E 10/50;
Y02E 10/52; Y02E 10/54; Y02E 10/544;
H02S 30/10; H02S 40/34; H02S 40/44;
H02J 7/0042

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D263,393 S * 3/1982 Lindmayer D13/102
D658,119 S * 4/2012 Bamberg D13/102
D670,239 S * 11/2012 Kannou D13/102
D741,793 S * 10/2015 Lim H01L 31/02243
D13/102
D742,306 S * 11/2015 Tohoda D13/102
D762,163 S * 7/2016 Parilla D13/102

9,469,896 B2 * 10/2016 Antonaia C23C 14/14
D815,028 S 4/2018 Detrick et al.
2009/0277491 A1 * 11/2009 Nakamura H01L 31/0504
136/244
2010/0126551 A1 * 5/2010 Okamoto H01L 31/0512
136/244

FOREIGN PATENT DOCUMENTS

JP 1622168 1/2019
JP 1624705 2/2019
TW D194918 S 12/2018
TW D194919 S 12/2018

* cited by examiner

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(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front perspective view of a solar cell showing the claimed design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a top plan view thereof, the bottom plan view being a mirror image thereof;

FIG. 5 is a right side view thereof, the left side view being a mirror image thereof;

FIG. 6 is a front perspective view of another solar cell showing the claimed design;

FIG. 7 is a front view thereof;

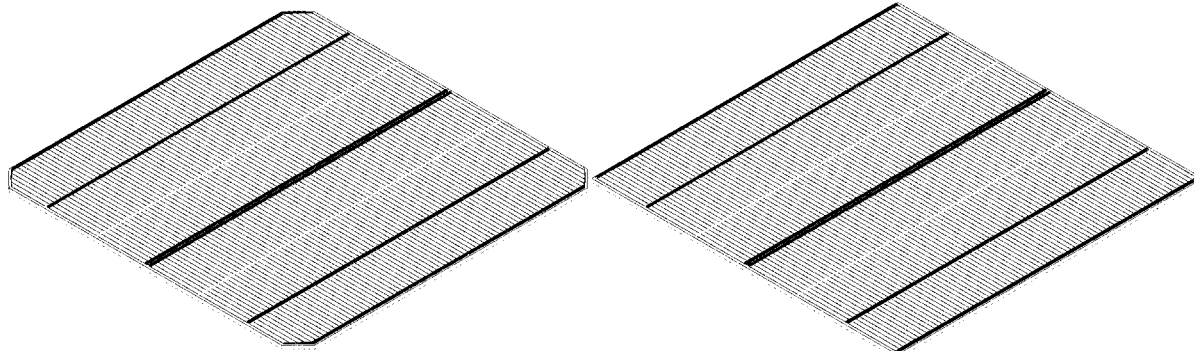
FIG. 8 is a rear view thereof;

FIG. 9 is a top plan view thereof, the bottom plan view being a mirror image thereof; and,

FIG. 10 is a right side view thereof, the left side view being a mirror image thereof.

In the drawings, the broken lines show portions of the solar cell that form no part of the claimed design.

1 Claim, 10 Drawing Sheets



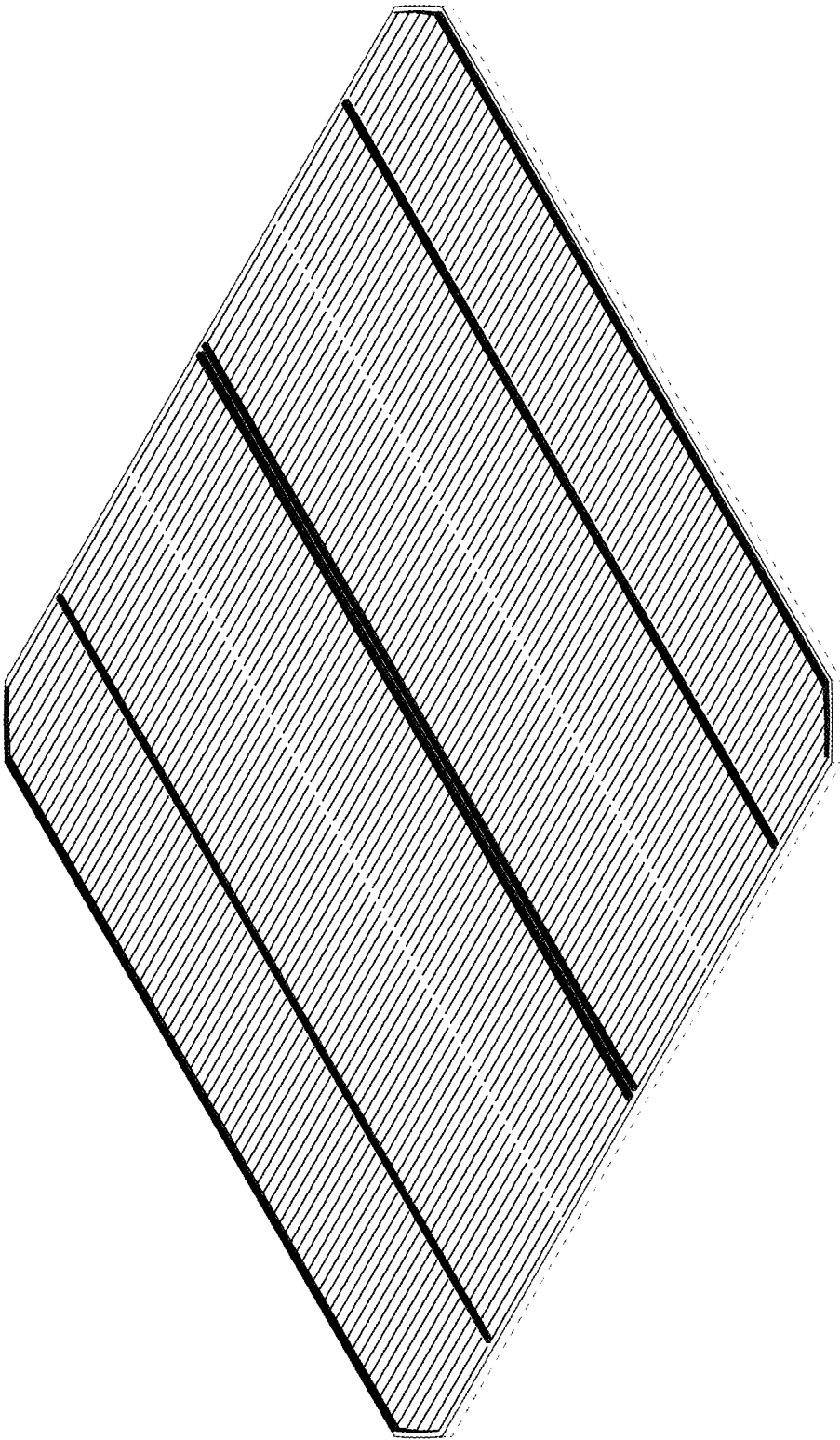


FIG. 1

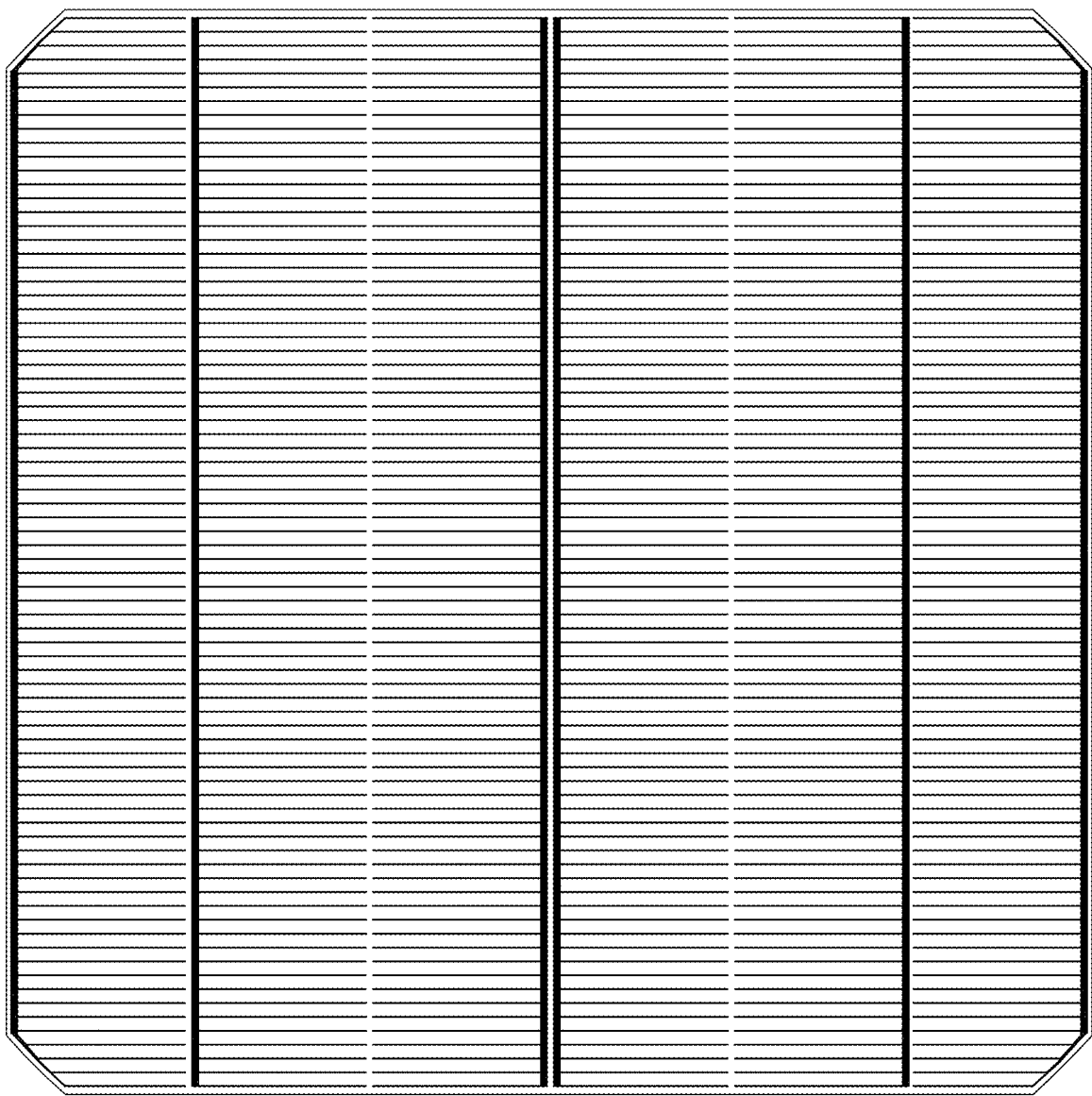


FIG. 2

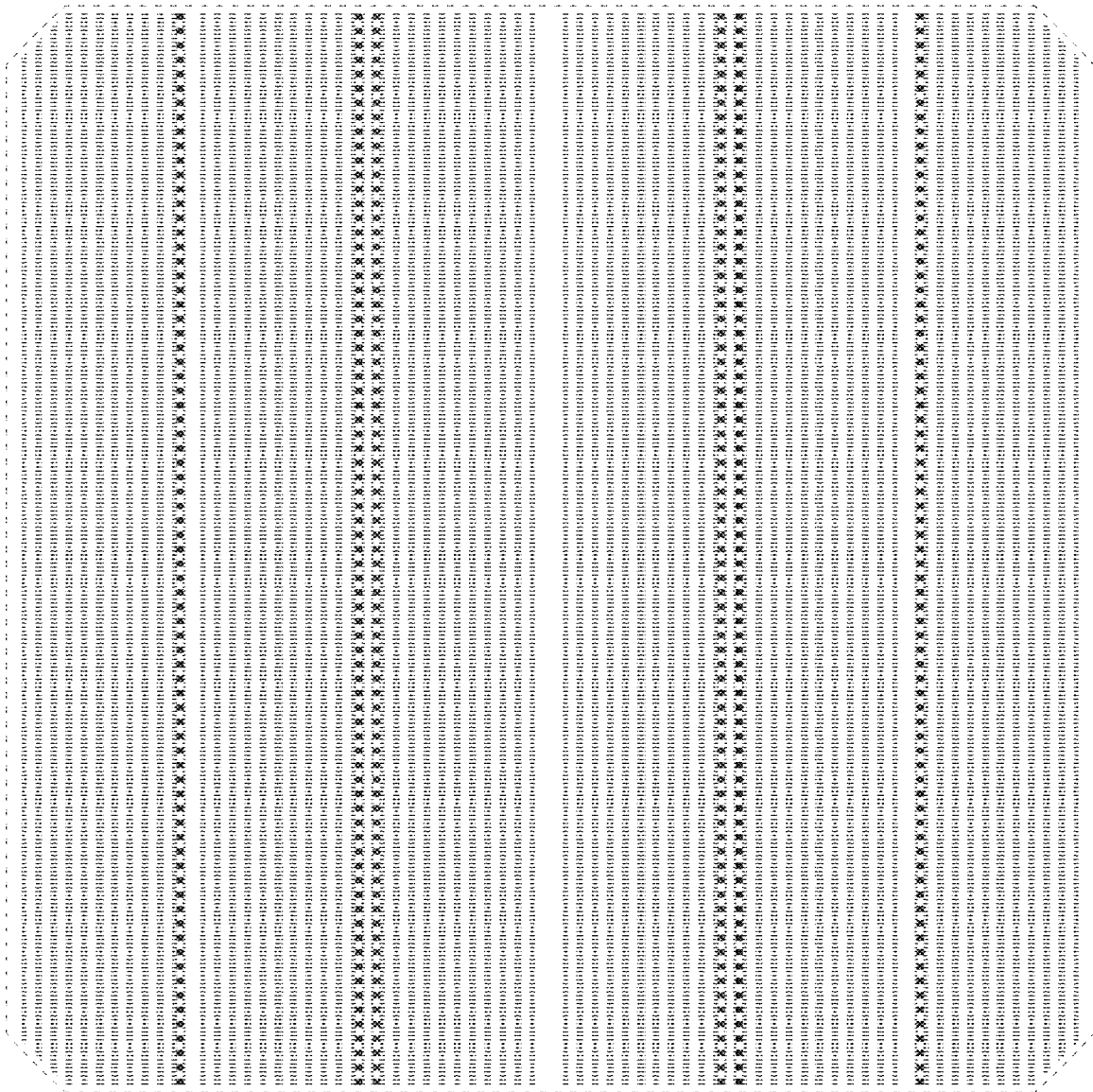


FIG. 3



FIG. 4

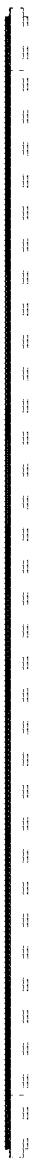


FIG. 5

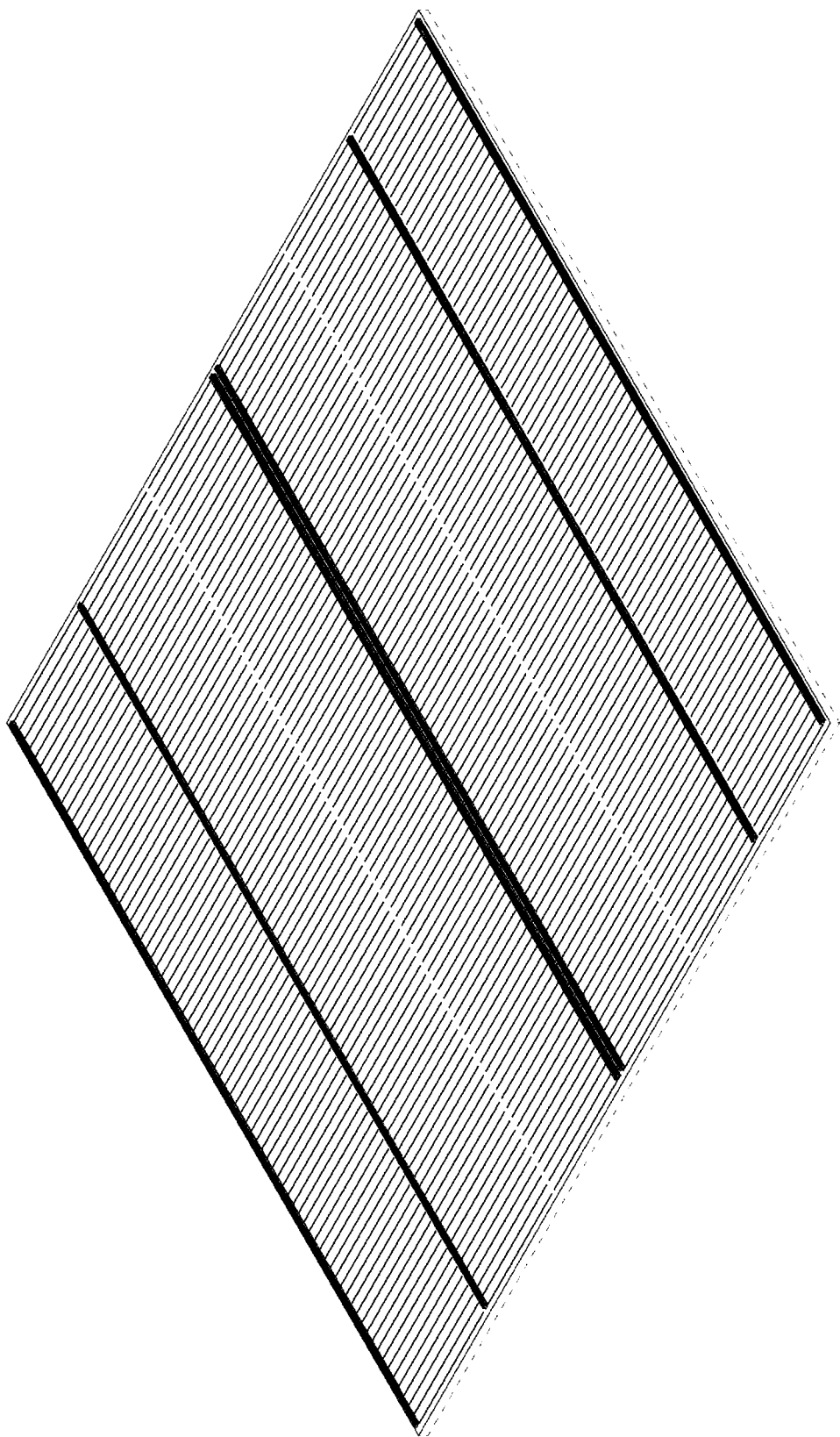


FIG. 6

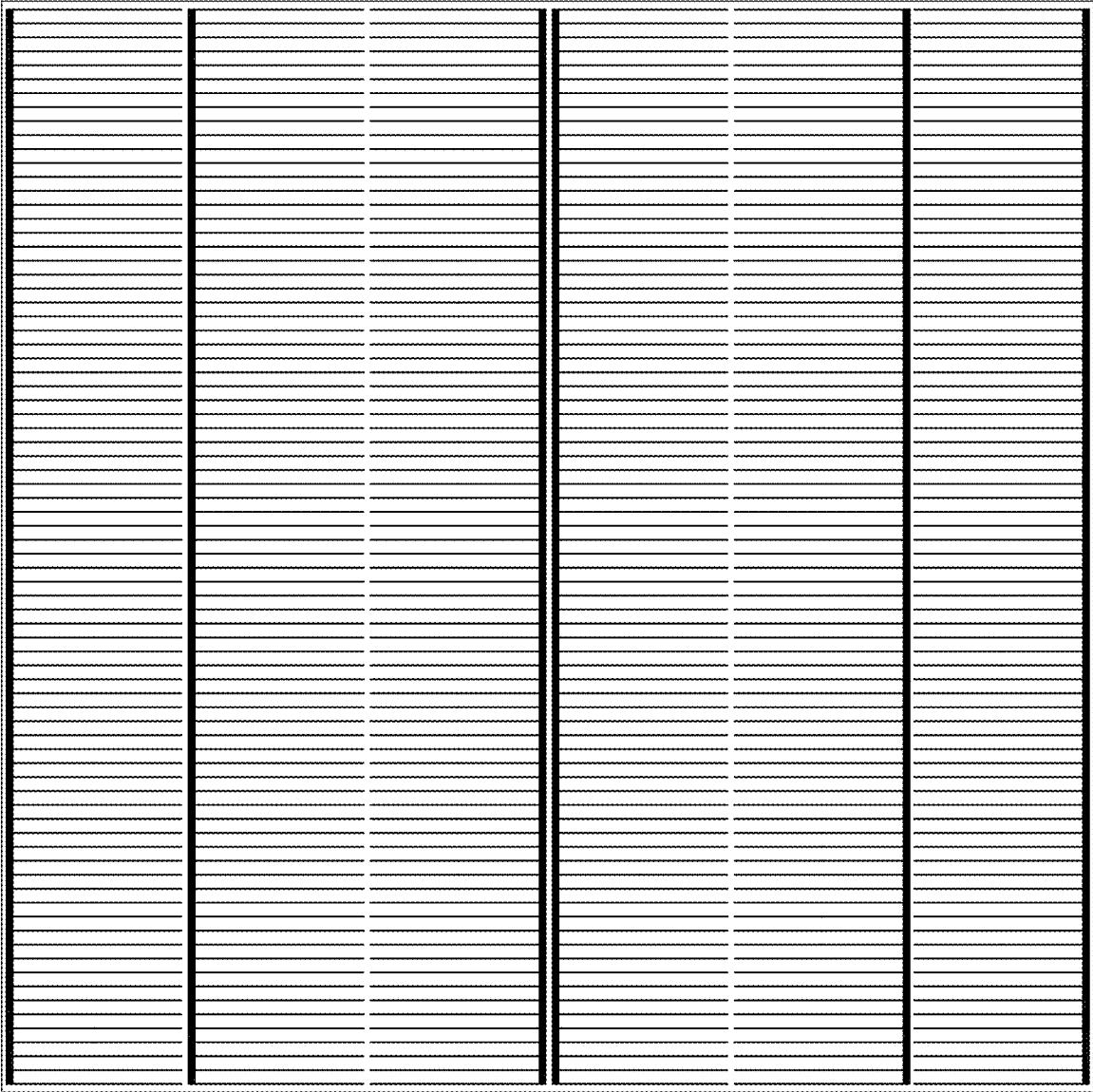


FIG. 7

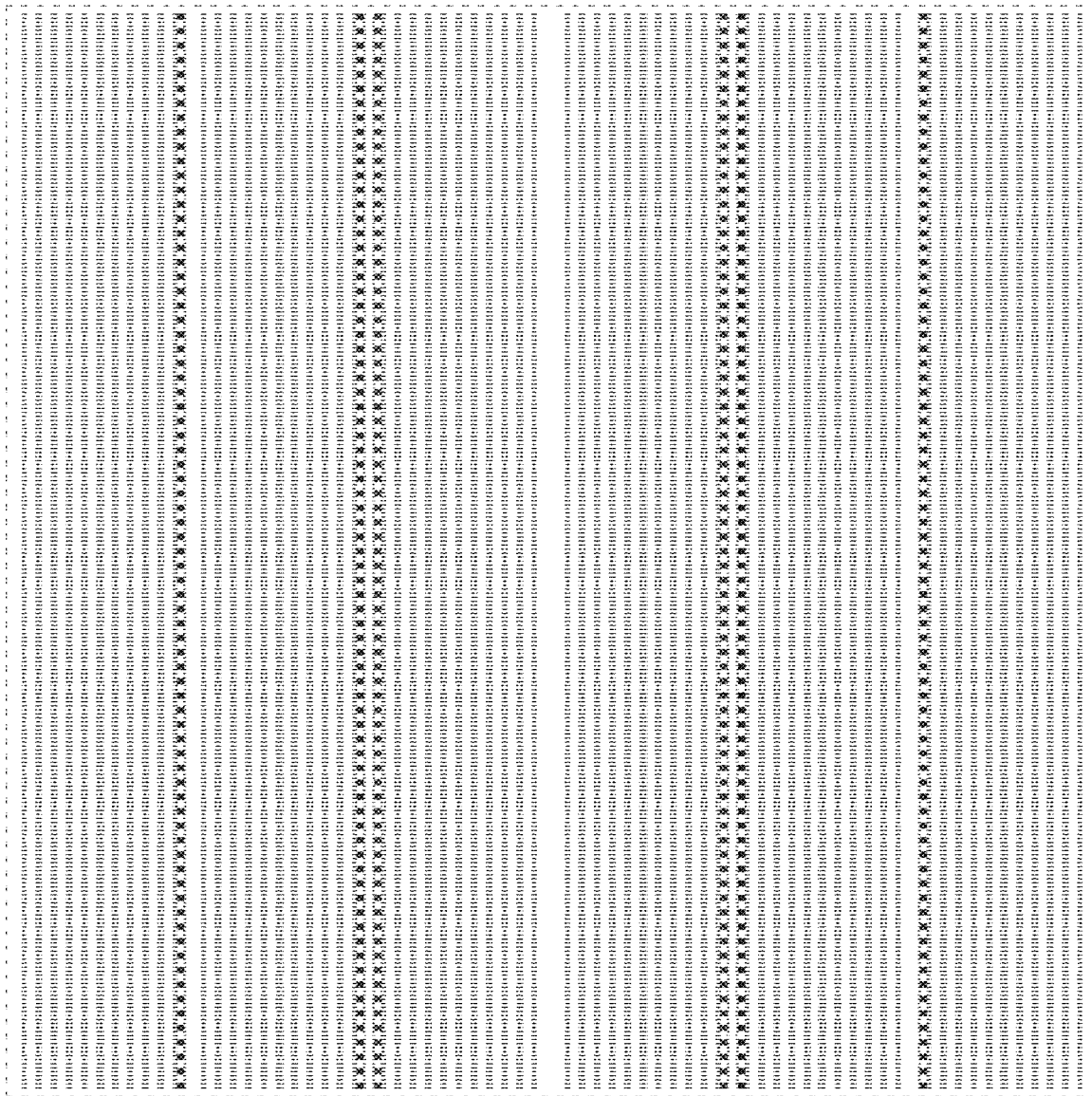


FIG. 8



FIG. 9

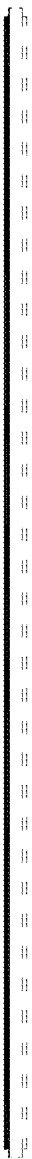


FIG. 10