



US00D748572S

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

(10) **Patent No.:** **US D748,572 S**

(45) **Date of Patent:** **\*\* Feb. 2, 2016**

(54) **SOLAR DEVICE CHARGING UNIT**

(71) Applicants: **Scott T. Becker**, Scotts Valley, CA (US);  
**David Matusich**, Saratoga, CA (US);  
**Michael Becker**, Naperville, IL (US)

(72) Inventors: **Scott T. Becker**, Scotts Valley, CA (US);  
**David Matusich**, Saratoga, CA (US);  
**Michael Becker**, Naperville, IL (US)

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/456,100**

(22) Filed: **May 28, 2013**

(51) **LOC (10) Cl.** ..... **13-02**

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

(58) **Field of Classification Search**  
USPC ..... D13/102, 101, 103, 107, 108, 110, 199;  
D14/140, 203.4, 483; D26/37, 38, 39,  
D26/41-44, 48, 49, 51; 136/206, 243, 244,  
136/245, 252; 320/101, 102, 114, 115, 120;  
362/157, 158, 159, 171, 183, 191, 208,  
362/257  
CPC ..... H01L 31/00; H01L 31/042; H01L 31/045;  
H01L 31/048; H01L 31/052; H01L 31/0232;  
H01L 25/00; Y02E 10/50; Y02E 10/52;  
H01M 10/465; H01M 10/482  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,786,851	A	*	11/1988	Fuji et al.	.....	320/101
D391,921	S	*	3/1998	Zimmer et al.	.....	D13/102
D559,174	S	*	1/2008	Sharma et al.	.....	D13/102
D606,489	S	*	12/2009	Sasada et al.	.....	D13/102
D628,534	S	*	12/2010	Daniel	.....	D13/102
D630,162	S	*	1/2011	Bullen	.....	D13/102
D633,437	S	*	3/2011	Chilton et al.	.....	D13/108

D634,704	S	*	3/2011	Tieleman et al.	.....	D13/102
D647,048	S	*	10/2011	Sasada et al.	.....	D13/102
D652,375	S	*	1/2012	Kannou et al.	.....	D13/102
2009/0007958	A1	*	1/2009	Ho et al.	.....	136/245
2009/0021209	A1	*	1/2009	Lin	.....	320/101
2009/0184679	A1	*	7/2009	Yeh	.....	320/108

\* cited by examiner

*Primary Examiner* — Derrick Holland

(74) *Attorney, Agent, or Firm* — Martine Penilla Group, LLP

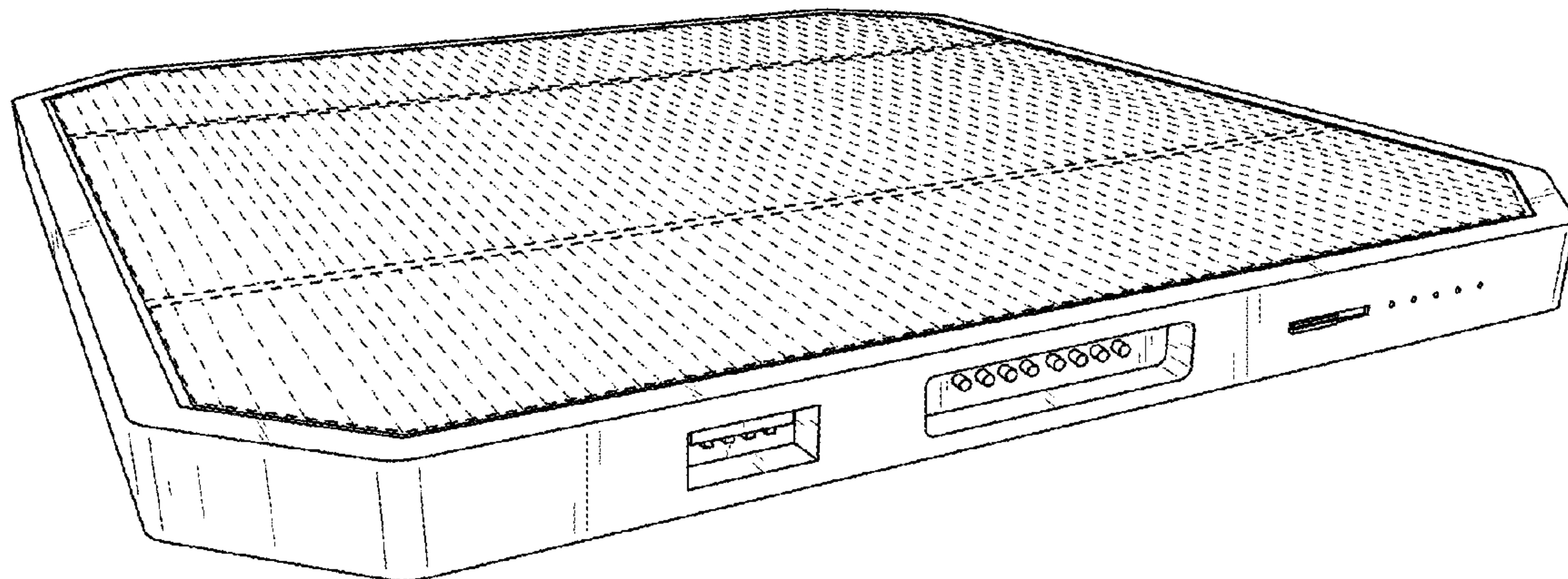
(57) **CLAIM**

The ornamental design for a solar device charging unit, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of an embodiment of a solar device charging unit 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 front elevation view thereof;  
 FIG. 7 is a rear elevation view thereof;  
 FIG. 8 is a perspective view of a second embodiment of a solar device charging unit 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 front elevation view thereof;  
 FIG. 14 is a rear elevation view thereof;  
 FIG. 15 is a front elevation view thereof shown in an environmental use; and,  
 FIG. 16 is a perspective view thereof shown in environmental use.  
 The broken lines shown represent unclaimed subject matter and form no part of the claimed design.

**1 Claim, 12 Drawing Sheets**



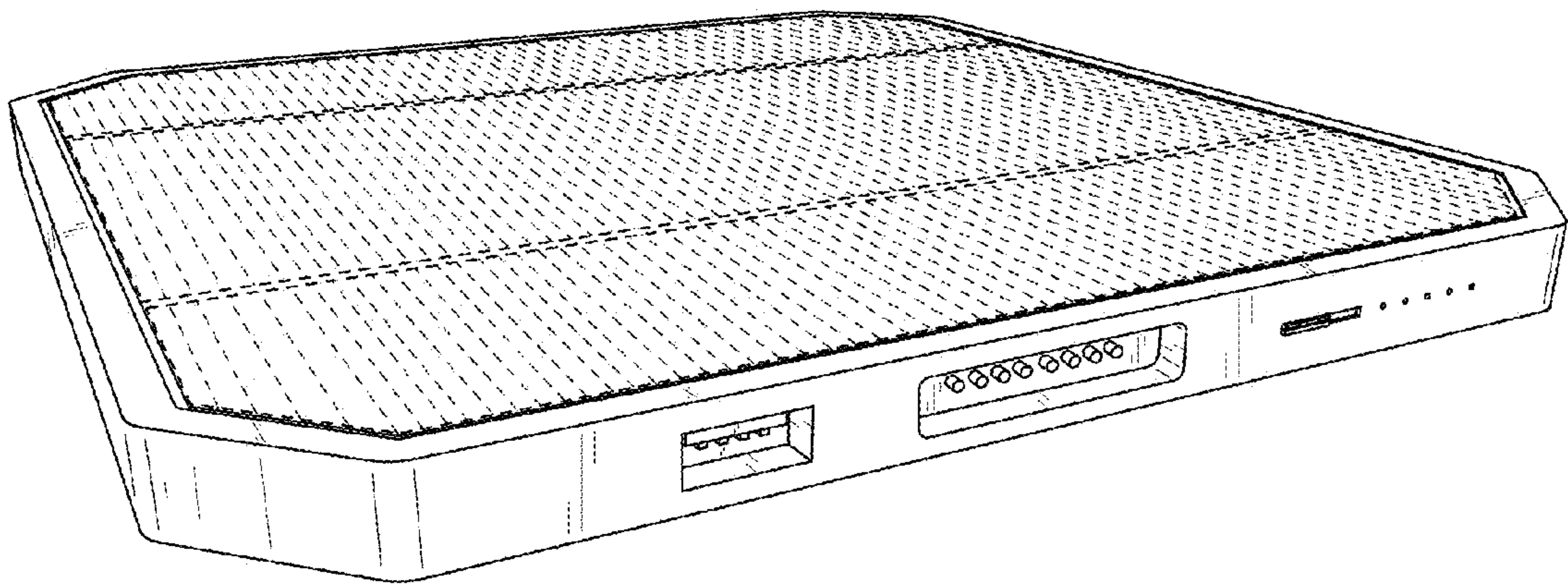


FIG. 1



FIG. 2



FIG. 3

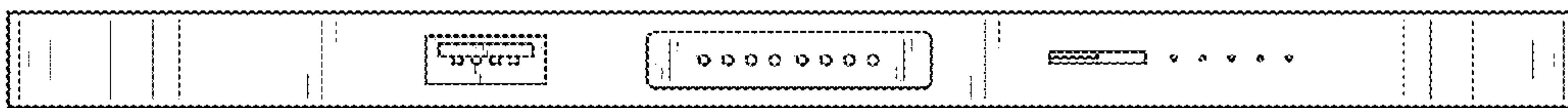


FIG. 4

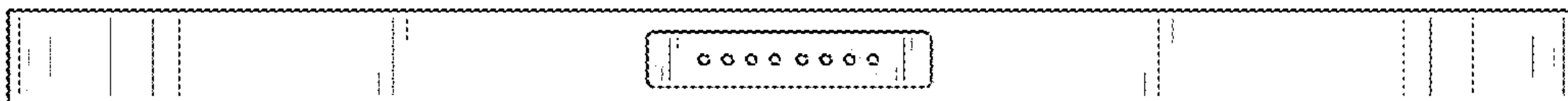


FIG. 5



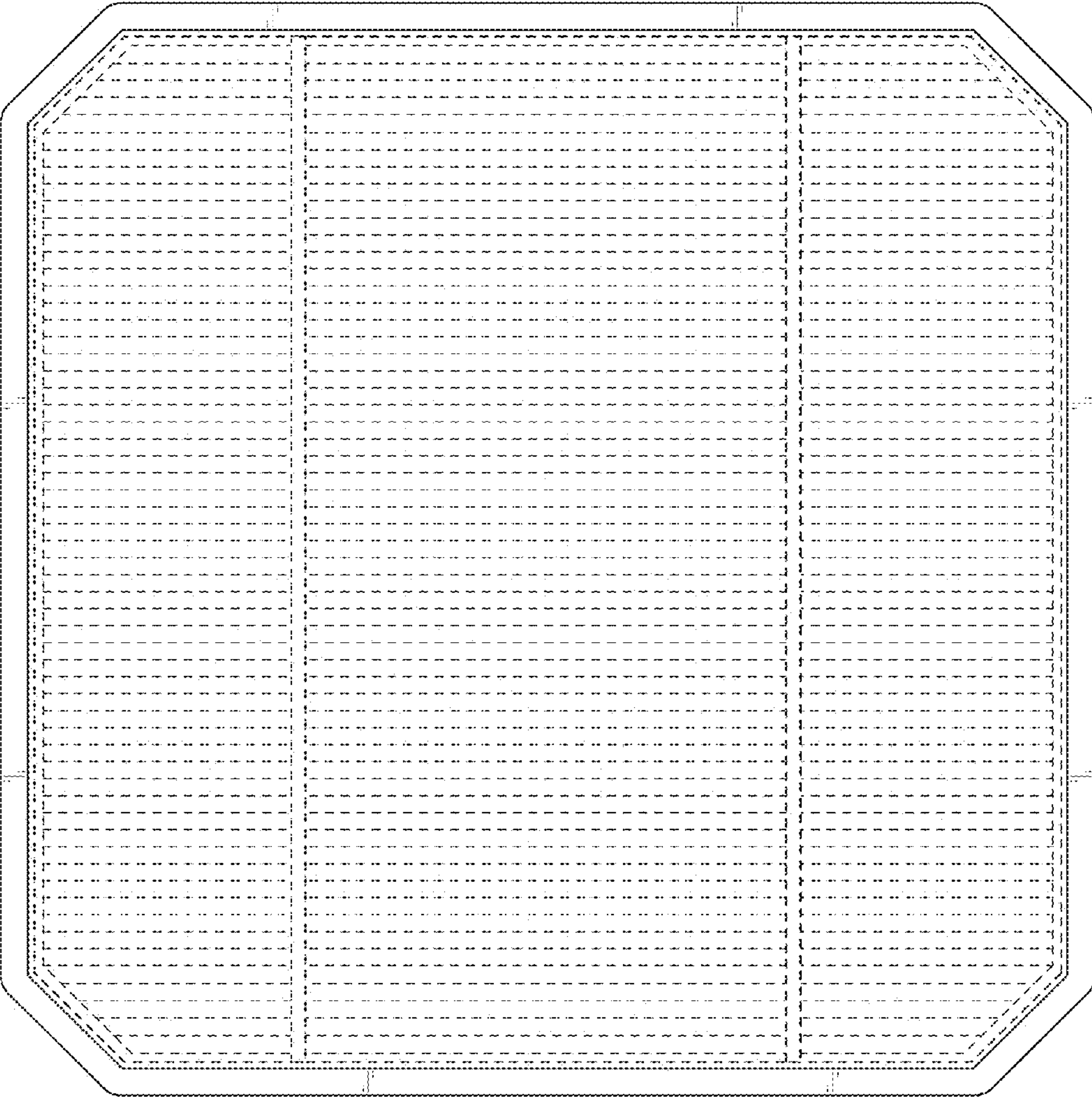


FIG. 6

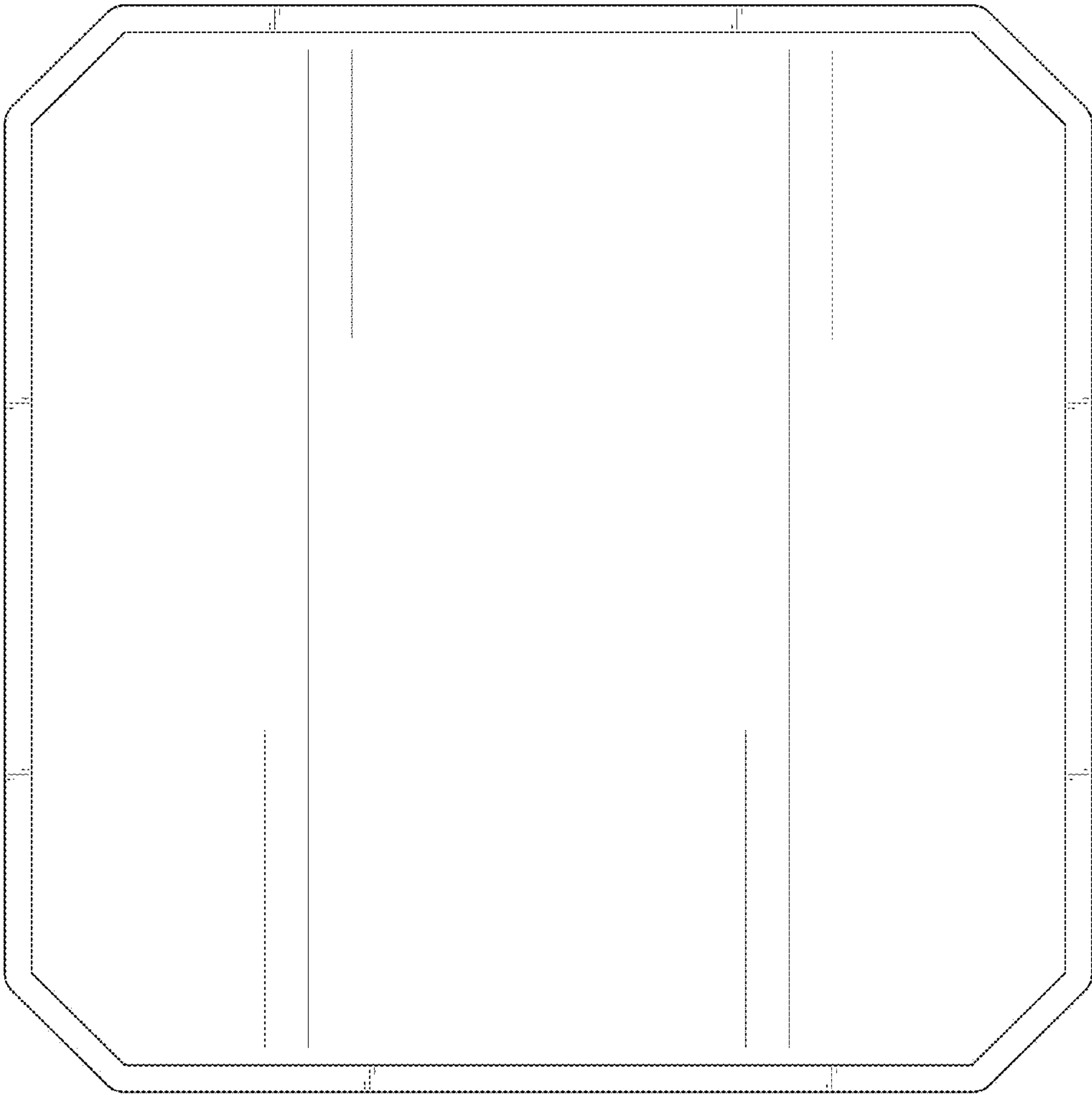


FIG. 7

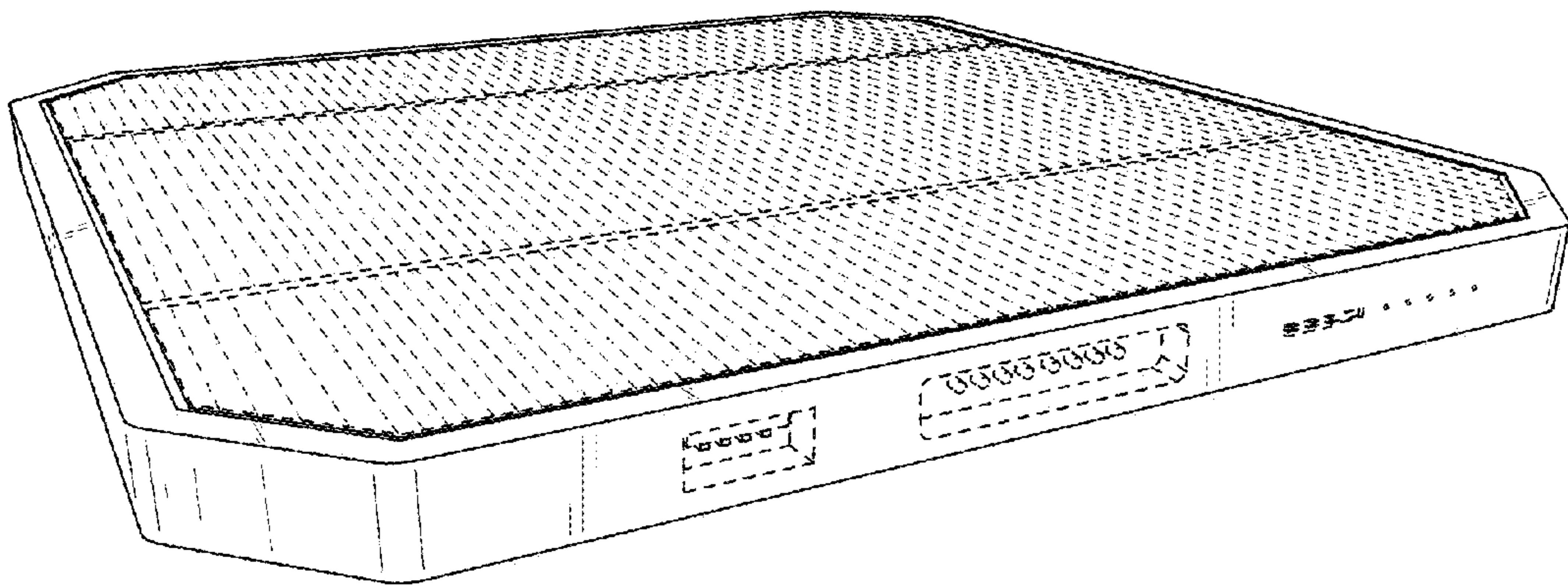


FIG. 8



FIG. 9



FIG. 10





FIG. 11

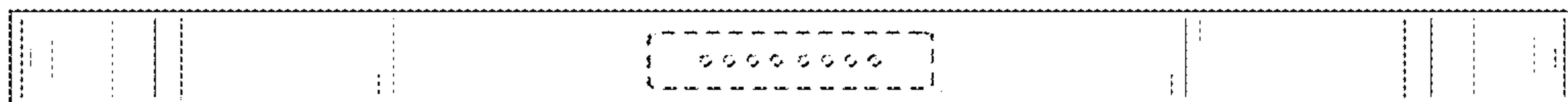


FIG. 12

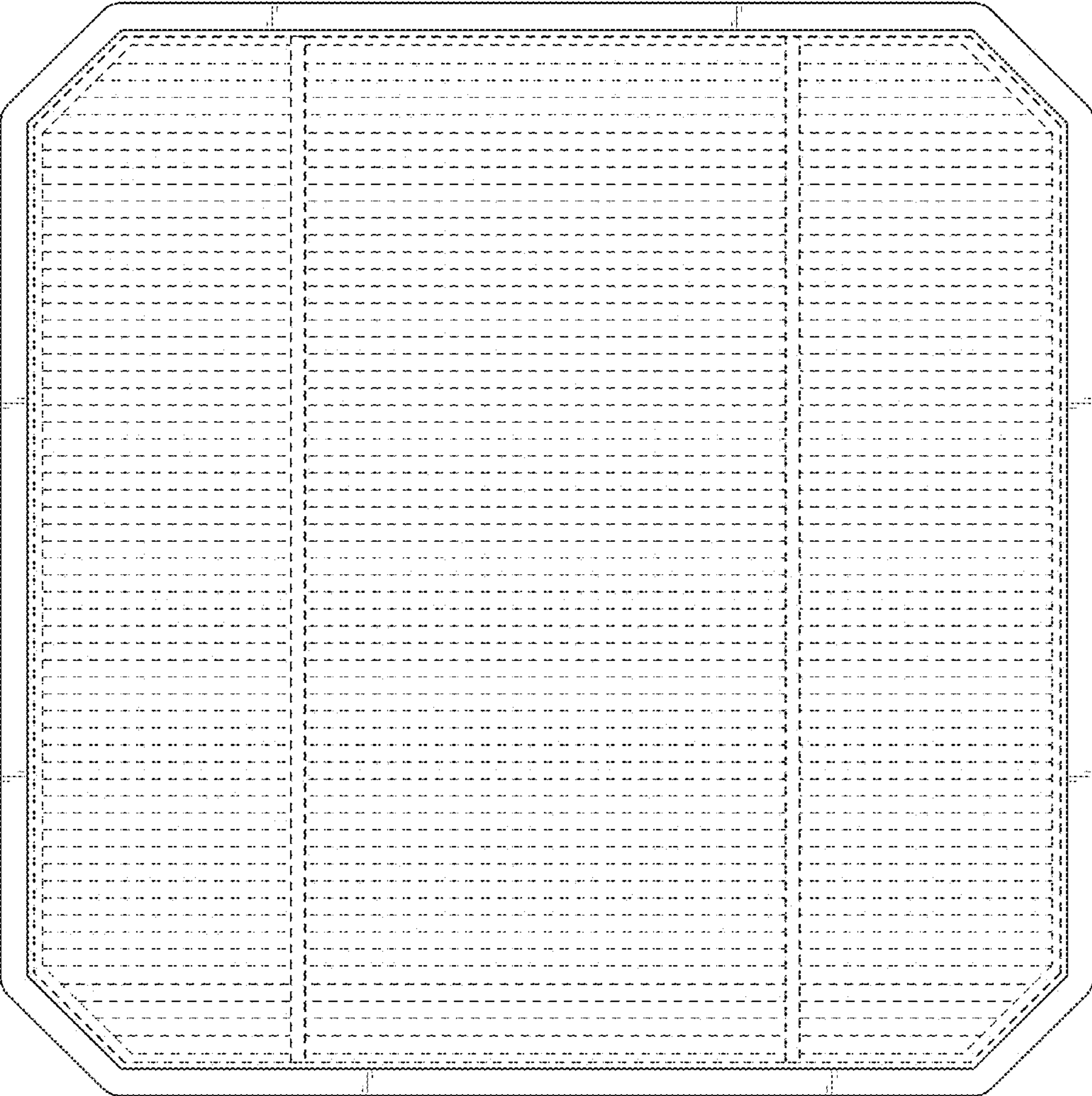


FIG. 13

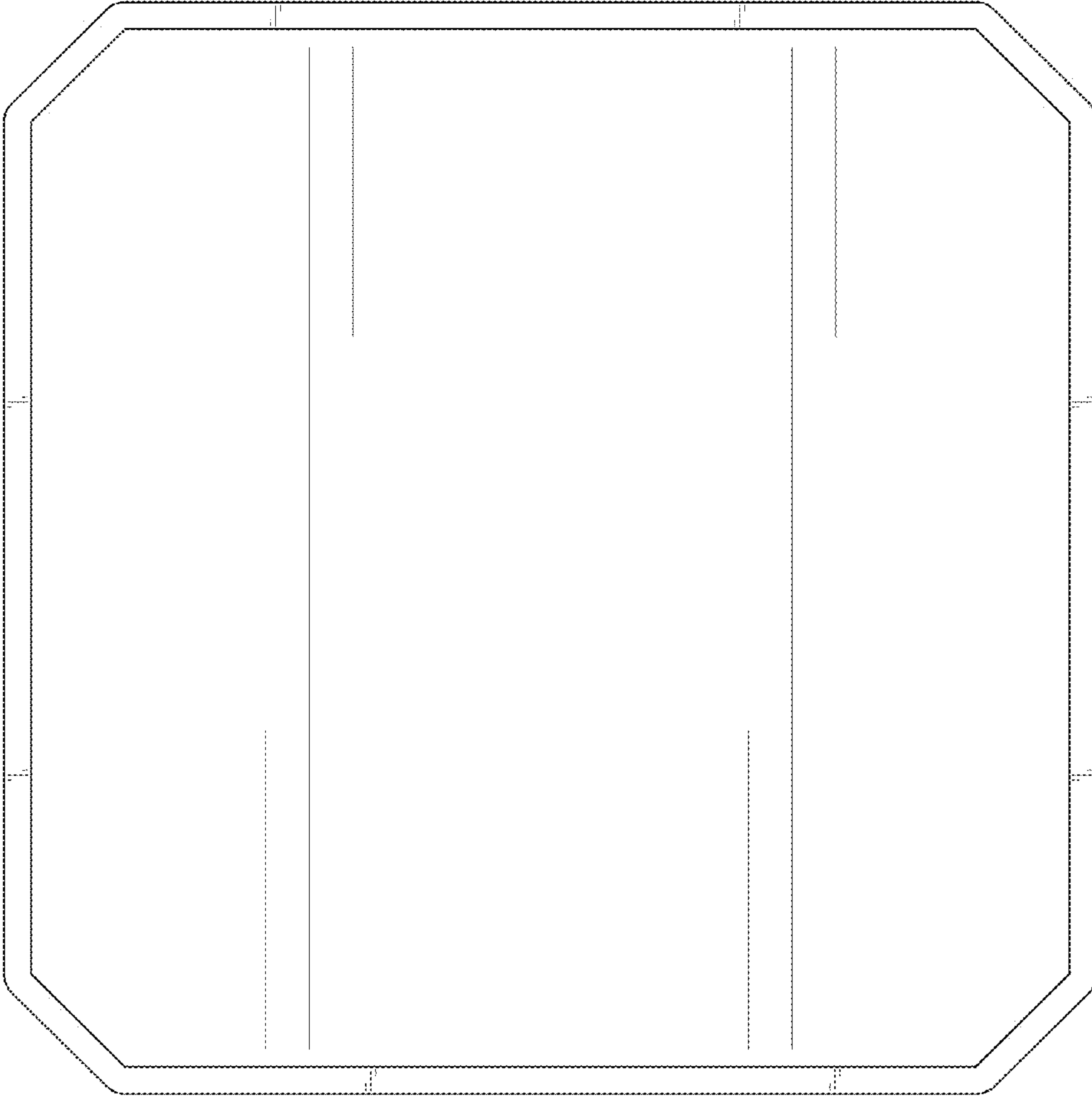


FIG. 14

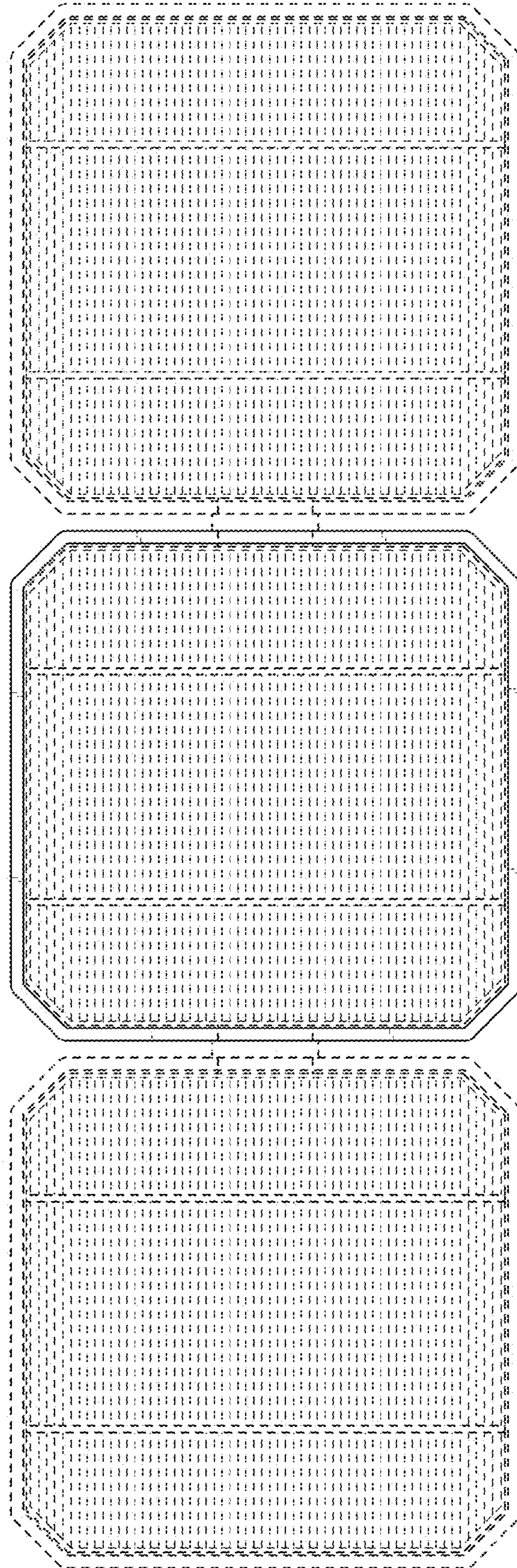


FIG. 15

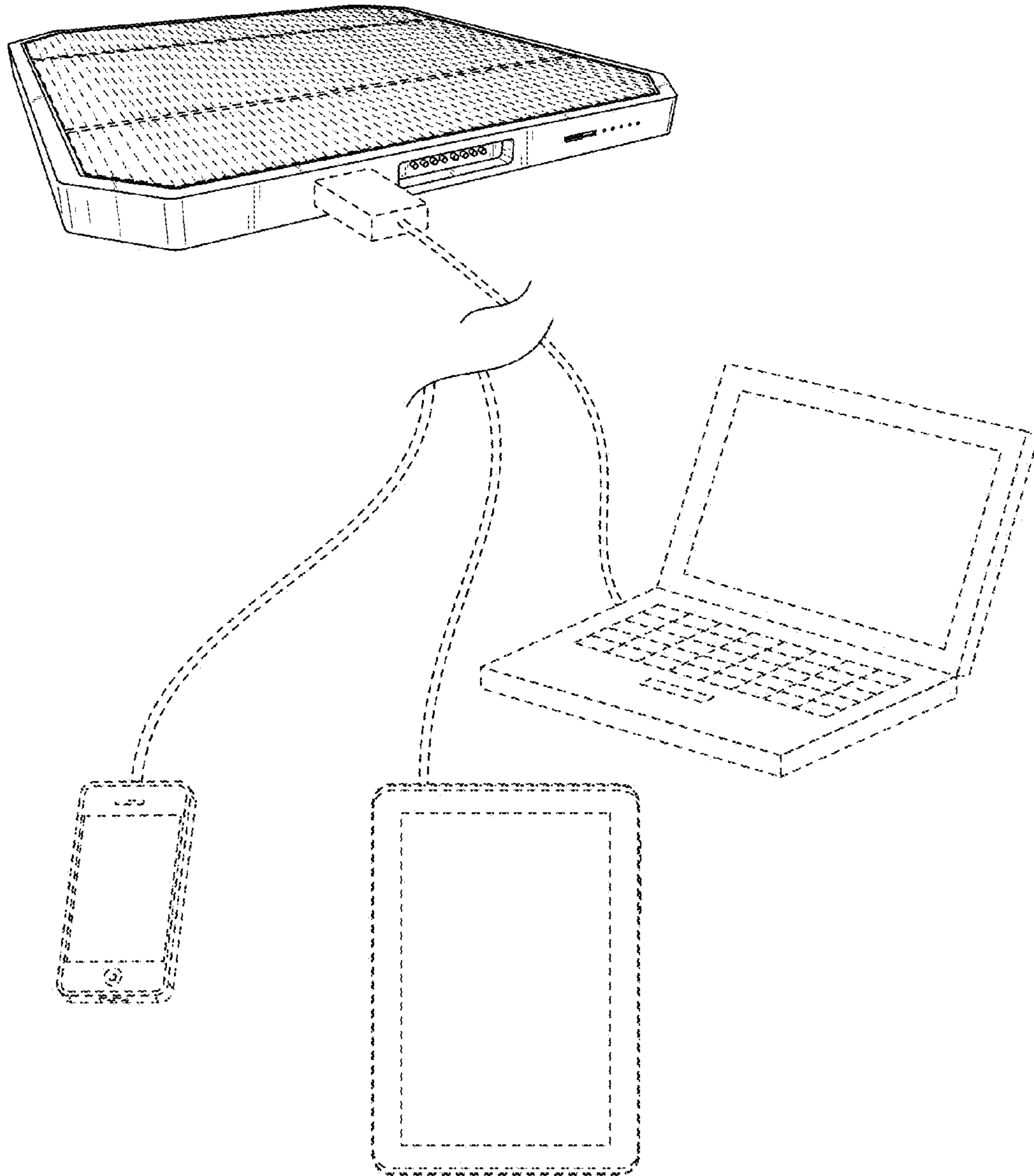


FIG. 16