



US00D771844S

(12) **United States Design Patent** (10) **Patent No.:** **US D771,844 S**
Hochman et al. (45) **Date of Patent:** **** Nov. 15, 2016**

(54) **LED MODULE**

- (71) Applicant: **Revolution Display, LLC**, Glendale, CA (US)
- (72) Inventors: **Jeremy Hochman**, Walnut, CA (US); **Robbie Thielemans**, Nazareth (BE); **Steve Danko**, Newbury Park, CA (US)
- (73) Assignee: **Revolution Display, LLC**, Glendale, CA (US)
- (**) Term: **15 Years**

- (21) Appl. No.: **29/568,949**
- (22) Filed: **Jun. 22, 2016**
- (51) **LOC (10) Cl.** **26-04**
- (52) **U.S. Cl.**
USPC **D26/1; D13/180**
- (58) **Field of Classification Search**
USPC D26/1; D13/180–182; 313/313, 315, 313/316, 317, 318, 493; 362/555, 800
CPC H01J 5/48; H01J 5/50; H01J 19/54; F21V 5/00; F21K 9/13; F21K 9/135; F21K 9/1375
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D528,996 S *	9/2006	Egawa	.....	D13/180
7,355,562 B2	4/2008	Schubert et al.		
D573,553 S *	7/2008	Uemoto	.....	D13/180
D577,690 S *	9/2008	Shida	.....	D13/180
D581,380 S	11/2008	Derocher et al.		
D590,789 S	4/2009	Pozin et al.		
D598,401 S *	8/2009	Takada	.....	D13/182
D622,876 S *	8/2010	Takahashi	.....	D26/1
D636,899 S *	4/2011	Shibahara	.....	D13/180
8,136,277 B2	3/2012	Patterson et al.		
8,197,088 B2	6/2012	Patterson et al.		
D672,168 S	12/2012	Davis		
D683,482 S *	5/2013	Bierhuizen	.....	D13/180
8,485,689 B2	7/2013	Patterson et al.		
2003/0069891 A1	4/2003	McClintock et al.		

(Continued)

OTHER PUBLICATIONS

<https://resin.io/blog/good-better-beast-week-3/> (Last viewed Jun. 20, 2016).
(Continued)

Primary Examiner — Marcus Jackson
(74) *Attorney, Agent, or Firm* — Downs Rachlin Martin PLLC

(57) **CLAIM**

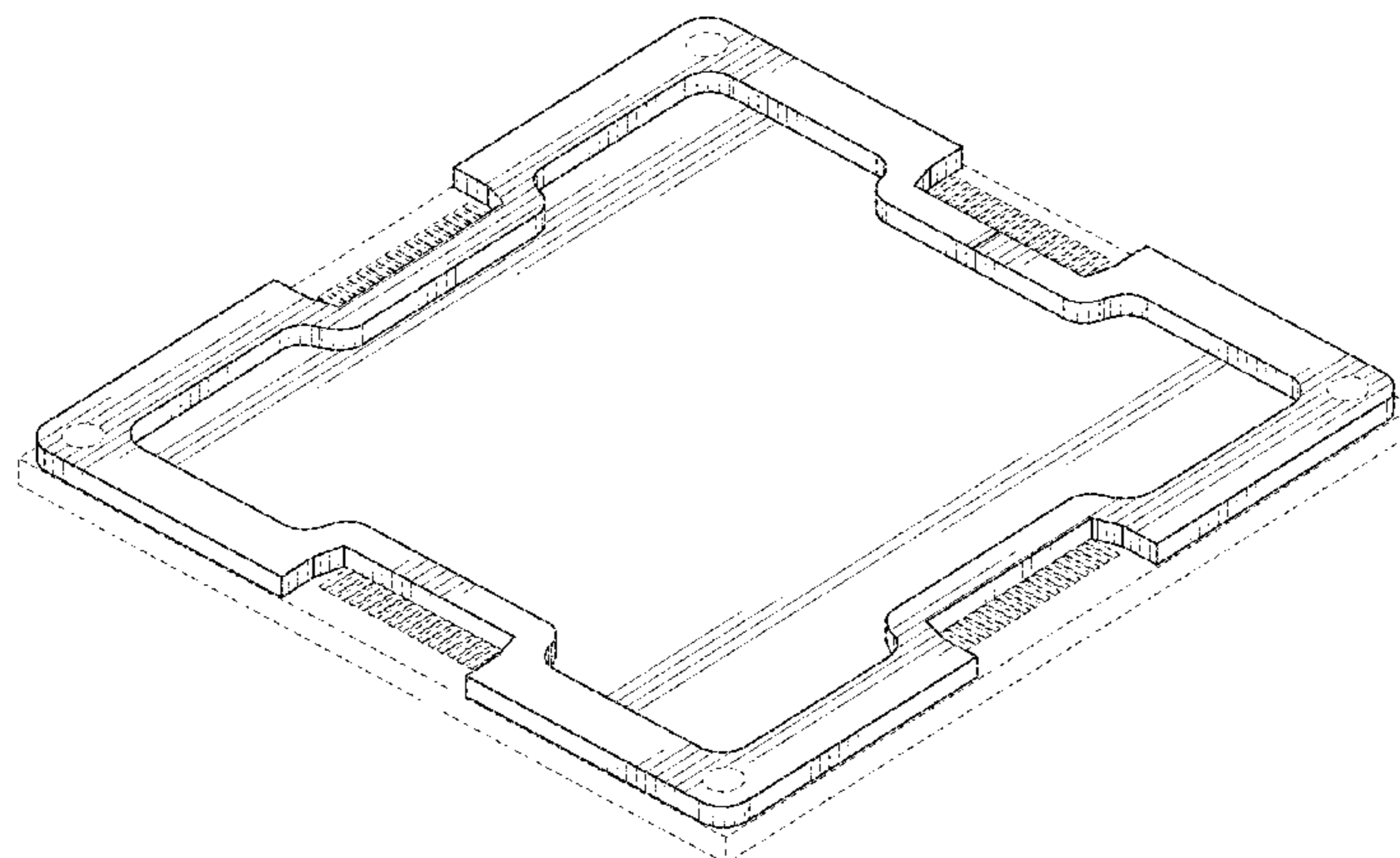
The ornamental design for an LED module, as shown and described.

DESCRIPTION

FIG. 1 is a rear view of a first embodiment of an LED module showing our new design;
 FIG. 2 is a rear perspective view thereof;
 FIG. 3 is a top view thereof;
 FIG. 4 is a side view thereof;
 FIG. 5 is a second side view thereof;
 FIG. 6 is a bottom view thereof;
 FIG. 7 is a rear view thereof;
 FIG. 8 is a front view thereof;
 FIG. 9 is a rear perspective view of a second embodiment of an LED module showing our new design;
 FIG. 10 is a top view thereof;
 FIG. 11 is a bottom view thereof;
 FIG. 12 is a side view thereof;
 FIG. 13 is a second side view thereof;
 FIG. 14 is a rear view thereof; and,
 FIG. 15 is a front view thereof.

The broken lines in the Figures are for the purpose of illustrating unclaimed portions of the LED module and form no part of the claimed design.
 The shade lines in the Figures show contour and not surface ornamentation.

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2005/0248935 A1 11/2005 Strip et al.
 2008/0037284 A1 2/2008 Rudisill
 2008/0141572 A1 6/2008 Tomich et al.
 2009/0310065 A1 12/2009 Dunn
 2012/0038619 A1 2/2012 Shraga et al.
 2012/0159819 A1 6/2012 Patterson et al.
 2013/0269882 A1 10/2013 Bauman et al.
 2014/0137384 A1 5/2014 Patterson et al.
 2015/0301781 A1 10/2015 Ekkaia et al.

OTHER PUBLICATIONS

<http://www.led-lightlink.com/4-2-1-led-video-floor.html/139030>
 (Last viewed on Jun. 20, 2016).
<http://otssigns.net/blog/> (Last viewed on Jun. 20, 2016).
<https://iceledscreens.wordpress.com/2013/06/11/building-your-massive-led-screen-strip-by-strip/> (Last viewed on Mar. 20, 2016).

<https://www.christiedigital.com/en-us/digital-signage/products/microtiles> (Last viewed on Jun. 20, 2016).
http://www.verypixel.com/service/LED_Display_Installation.html (Last viewed on Jun. 20, 2016).
http://www.ledinside.com/knowledge/2015/6/led_signage_industry_adapt_or_die (Last viewed on Jun. 20, 2016).
<http://www.ergotron.com/ProductsDetails/tabid/65/PRDID/791/language/hi-IN/Default.aspx> (Last viewed on Jun. 20, 2016).
http://www.audipack.com/products/rid/98959/prid/74238/pname/flat_panel_video_wall_floor_stand_quick_release.html (Last viewed on Jun. 20, 2016).
<http://www.bbslighting.com/products/area-48-led-detachable-bamdoor-frame> (Last viewed on Jun. 20, 2016).
https://web.archive.org/web/20160616231057/http://www.dgiled.com/product_show.asp?id=352&dasid=117&Immc=DGiLED+UHD+Tiles (Jun. 16, 2016).
https://web.archive.org/web/20151124042701/http://www.absen.com/pro/detail_101029001004_100000121043229.html (Nov. 24, 2015).

* cited by examiner

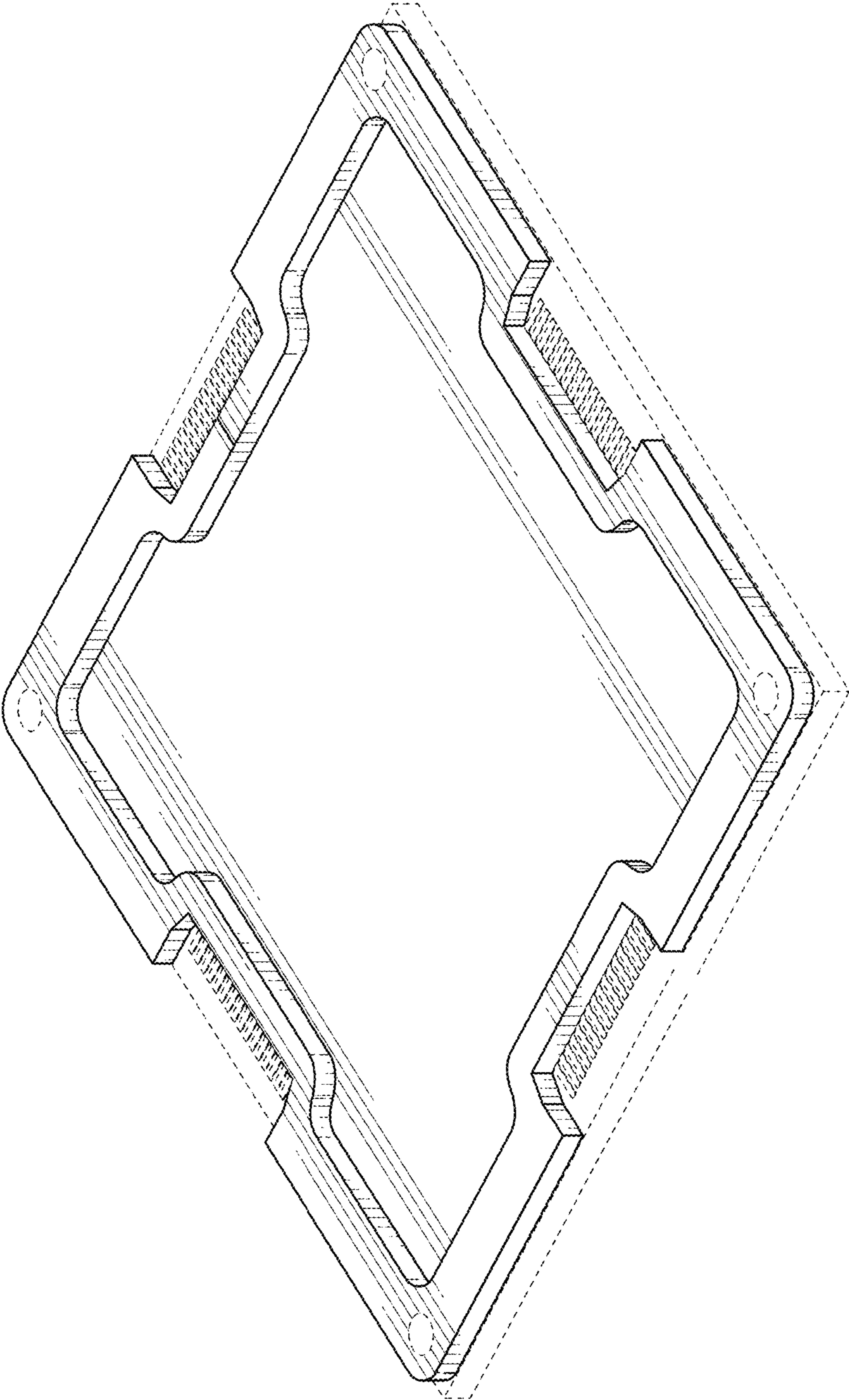


FIG. 2



FIG. 3

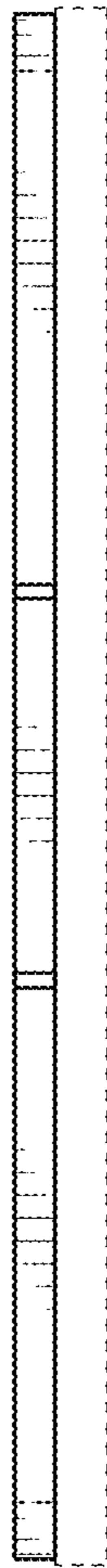


FIG. 4



FIG. 5

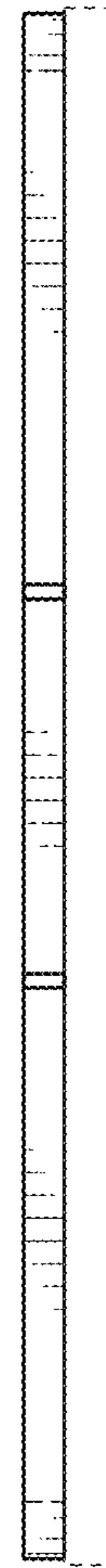


FIG. 6

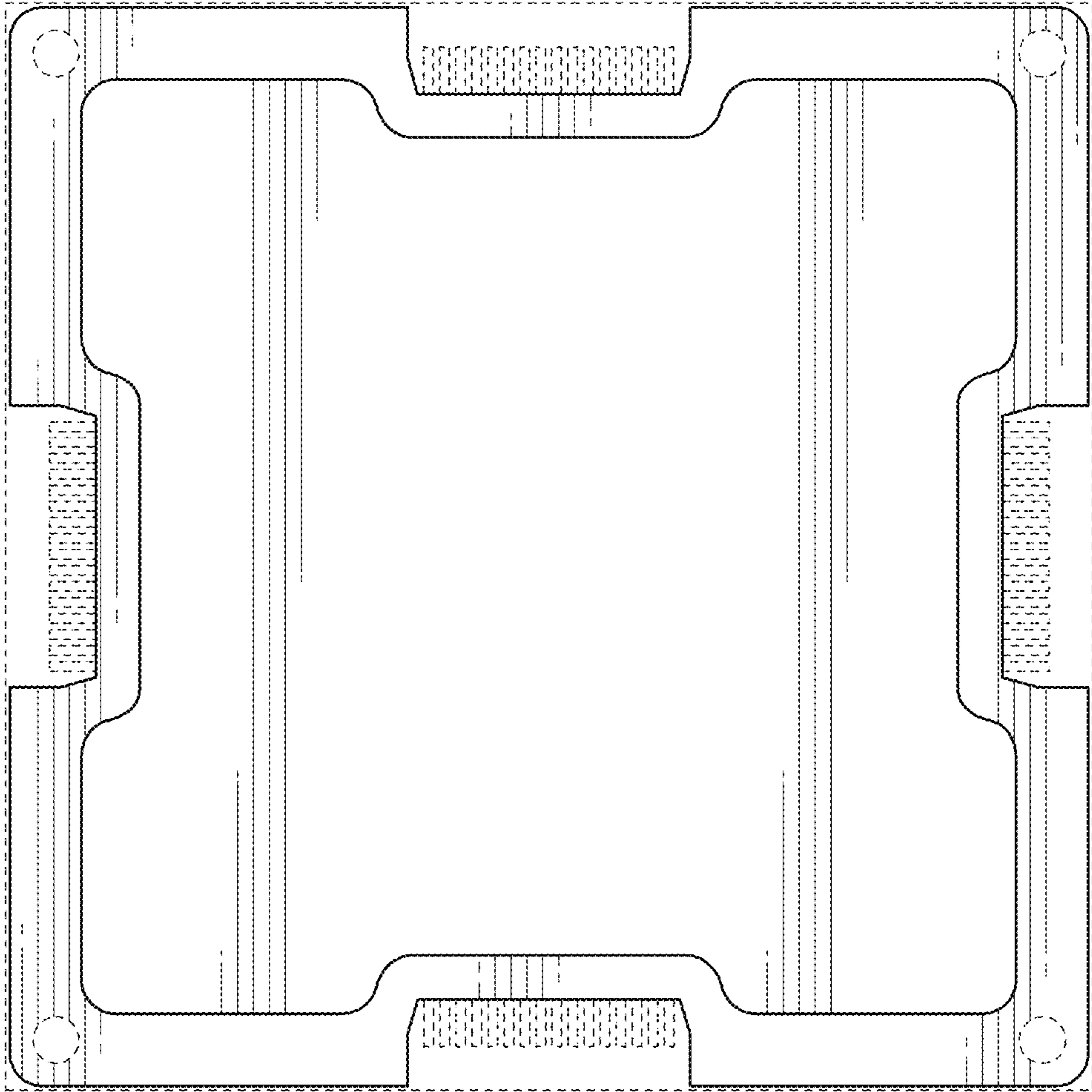


FIG. 7



FIG. 8

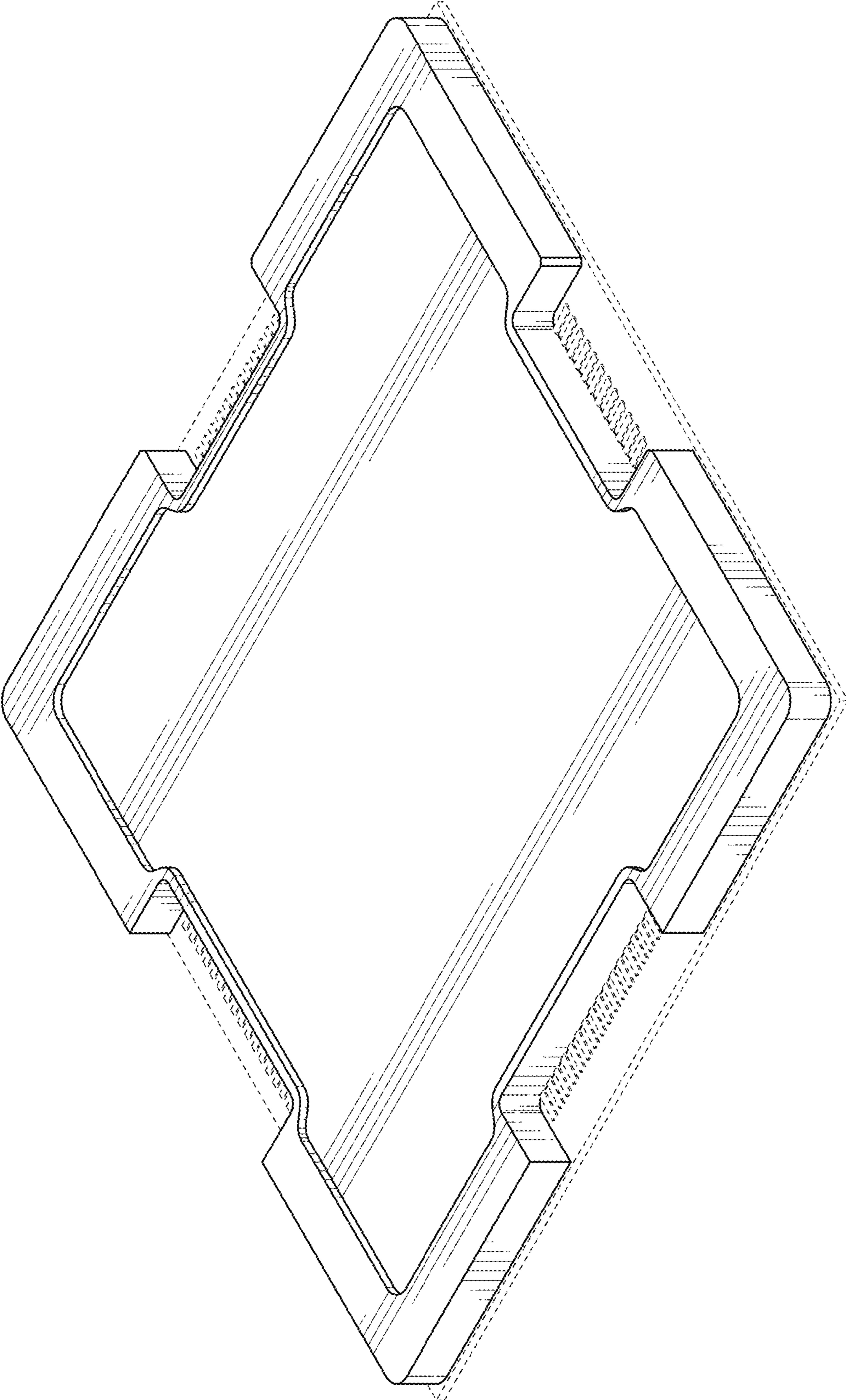


FIG. 9

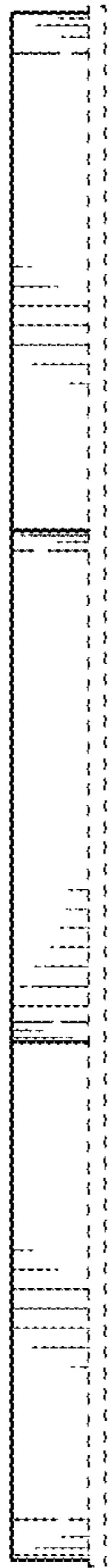


FIG. 10



FIG. 11



FIG. 12

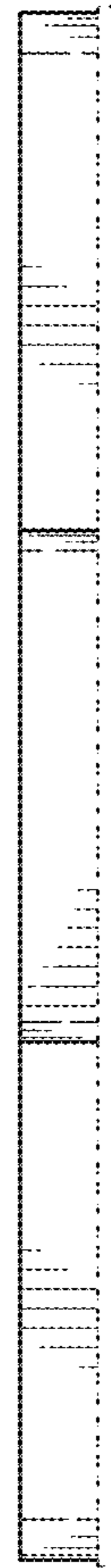


FIG. 13

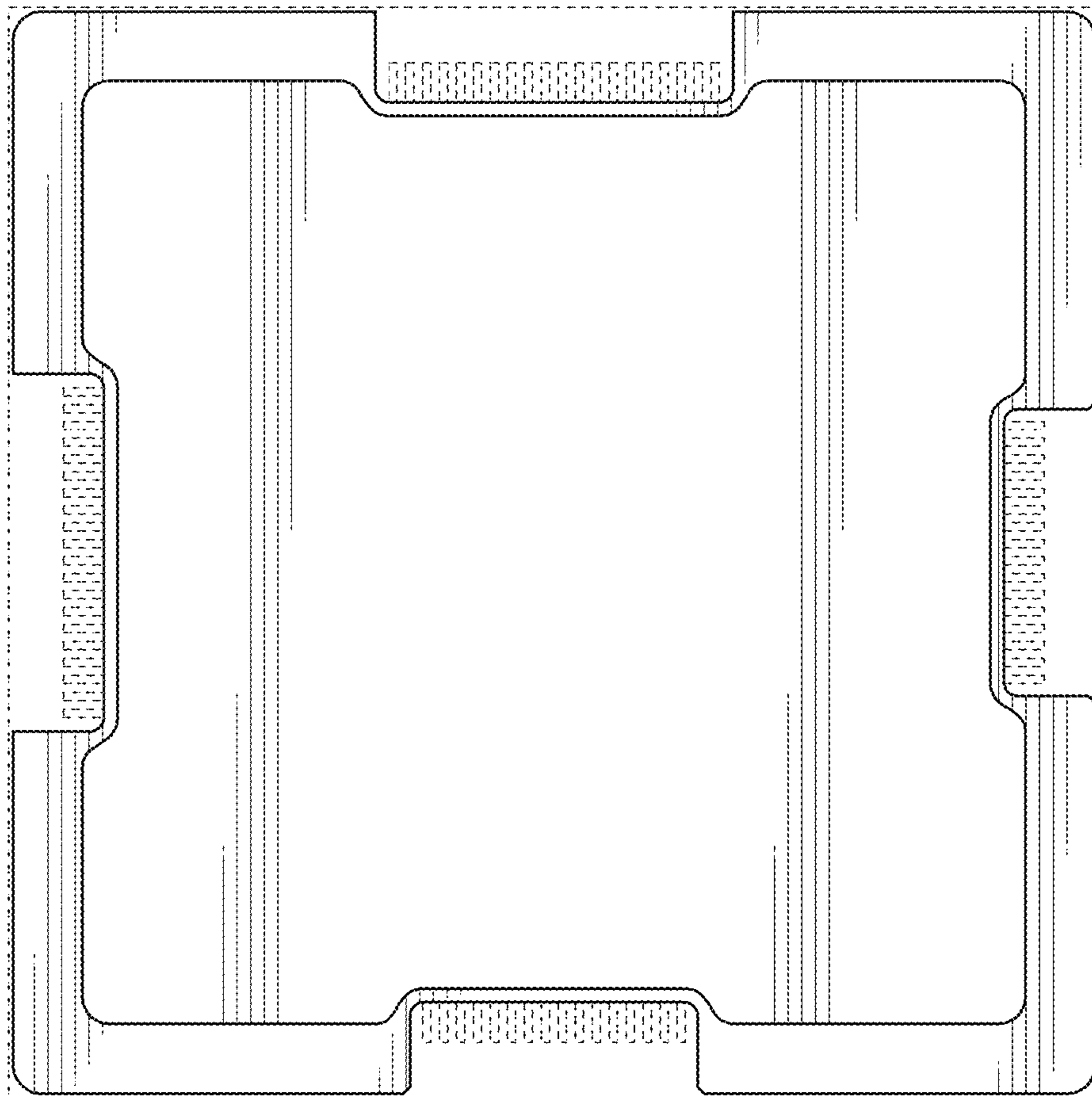


FIG. 14

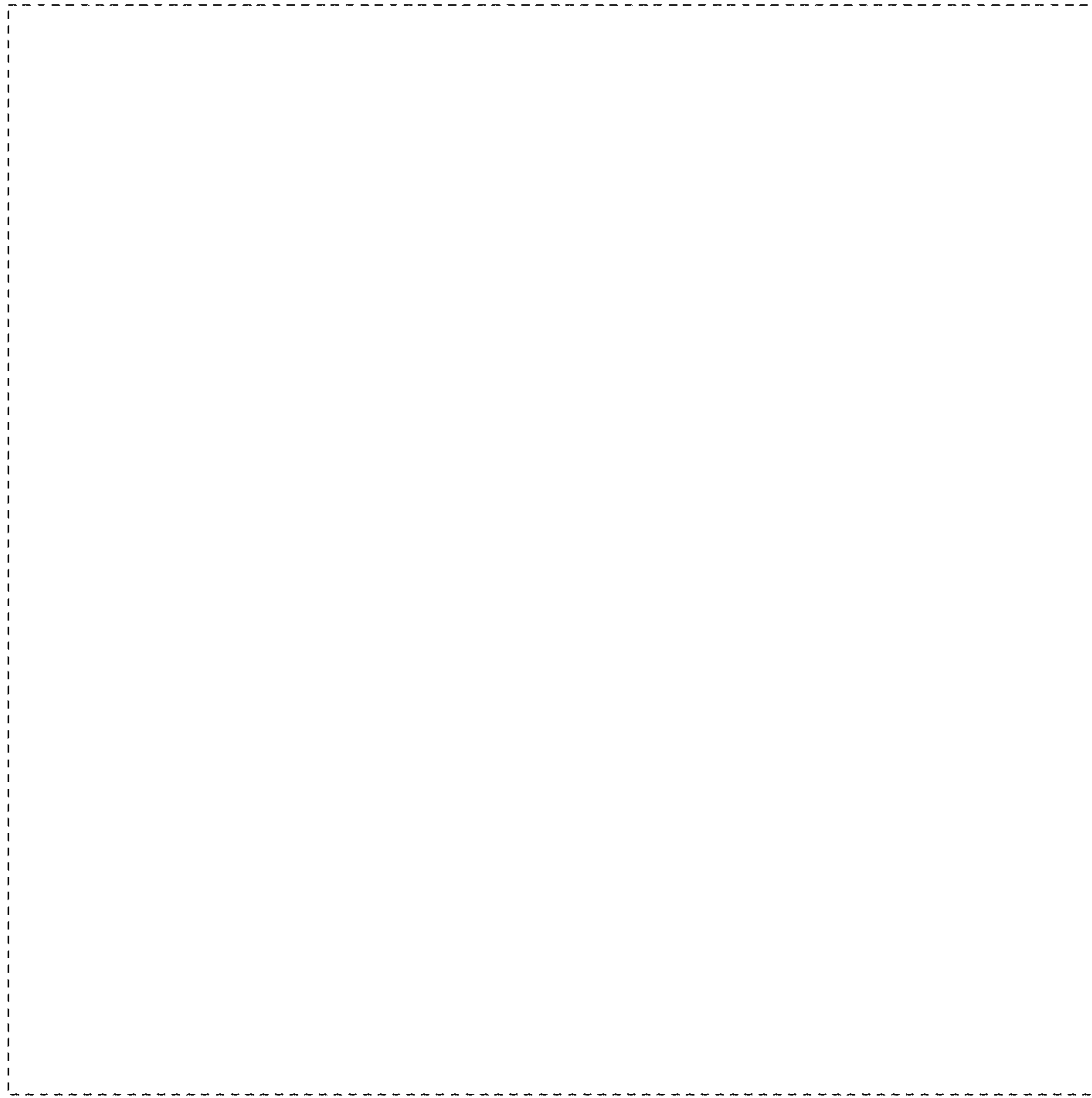


FIG. 15