



US00D943558S

(12) **United States Design Patent** (10) **Patent No.:** **US D943,558 S**  
**Lantz et al.** (45) **Date of Patent:** **\*\* Feb. 15, 2022**

- (54) **HOUSING FOR CEILING ARRAY MICROPHONE**
- (71) Applicant: **Shure Acquisition Holdings, Inc.**,  
Niles, IL (US)
- (72) Inventors: **Gregory William Lantz**, Aurora, IL (US); **John Matthew Miller**, Grayslake, IL (US); **Benjamin Neal Huyck**, Chicago, IL (US)
- (73) Assignee: **Shure Acquisition Holdings, Inc.**,  
Niles, IL (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/711,728**
- (22) Filed: **Nov. 1, 2019**
- (51) **LOC (13) Cl.** ..... **14-01**
- (52) **U.S. Cl.**  
USPC ..... **D14/225**; D14/229; D14/209
- (58) **Field of Classification Search**  
USPC ... D14/229, 225, 209, 209.1, 126, 204, 214, D14/210, 211, 219, 221, 250, 224, 224.1,  
(Continued)

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*Primary Examiner* — Paula Allen Greene  
(74) *Attorney, Agent, or Firm* — Neal, Gerber & Eisenberg LLP

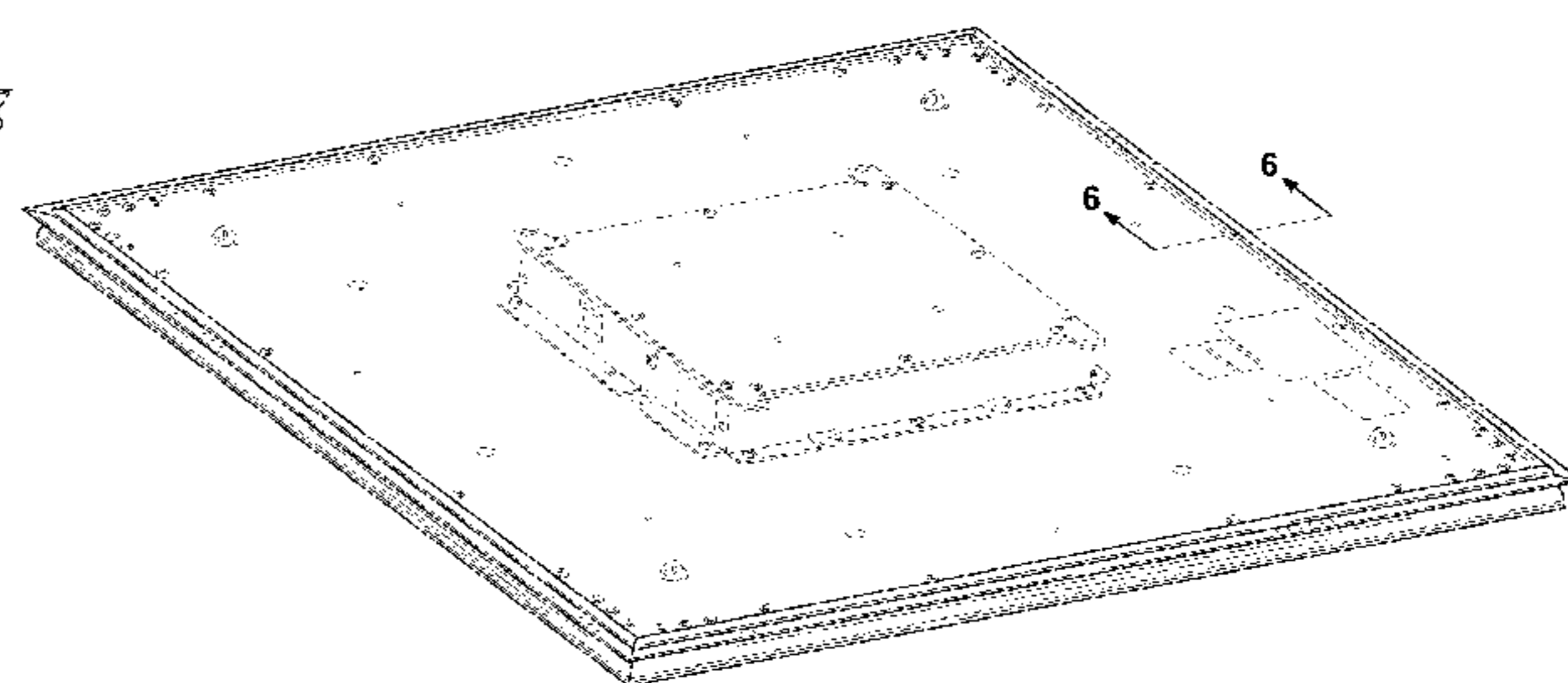
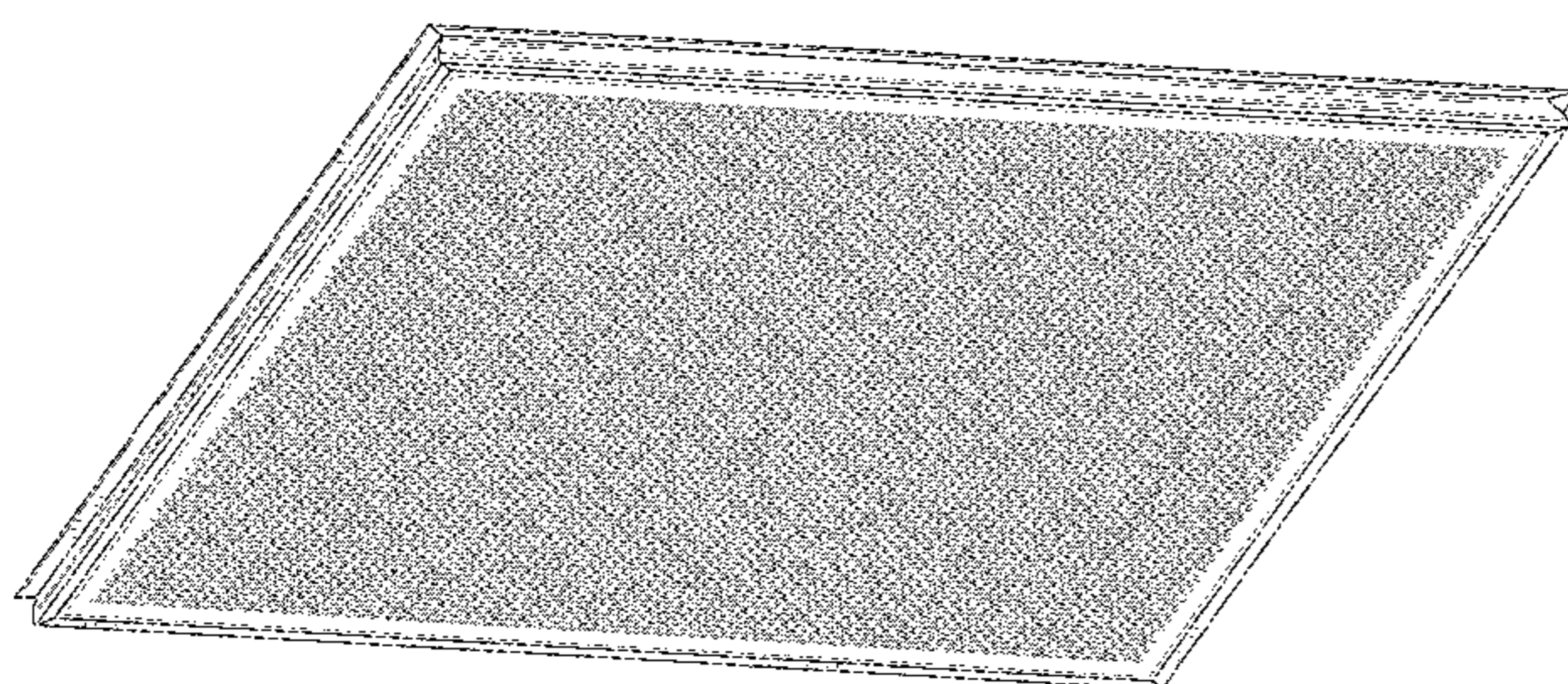
(57) **CLAIM**

The ornamental design for a housing for a ceiling array microphone, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a housing for a ceiling array microphone;  
 FIG. 2 is a rear perspective view thereof;  
 FIG. 3 is a side elevation view thereof, the other side elevation view and two end elevation views being identical thereto;  
 FIG. 4 is a rear plan view thereof;  
 FIG. 5 is a front plan view thereof;  
 FIG. 6 is an enlarged cross-sectional view thereof taken in the direction of line 6-6 of FIG. 2, shown in an environment of use;  
 FIG. 7 is a front perspective view of the housing in FIG. 1, shown in an environment of use;  
 FIG. 8 is a rear perspective view thereof, shown in an environment of use;  
 FIG. 9 is a side elevation view thereof, the other side elevation view and two end elevation views being identical thereto, shown in an environment of use;  
 FIG. 10 is a rear plan view thereof, shown in an environment of use;  
 FIG. 11 is a front plan view thereof, shown in an environment of use; and,  
 FIG. 12 is an enlarged cross-sectional view taken in the direction of line 12-12 of FIG. 8, shown in an environment of use.  
 The broken lines in FIGS. 1 through 12 that show portions of the housing for ceiling array microphone form no part of the claimed design. The broken lines in FIGS. 6 through 12 that represent the ceiling form no part of the claimed design.

**1 Claim, 12 Drawing Sheets**



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<p>(58) <b>Field of Classification Search</b>          USPC ..... D14/226; D23/388; D6/300, 308;                            D20/43; 181/150; 381/391, 189;                            248/250, 220.22; 312/114; 40/793, 647,                                            40/790; 52/764          CPC . H04R 1/02; H04R 25/00; H04R 5/02; H04R                    1/20; H04R 9/06; H04R 1/24; H04R                    7/18; H05K 5/00; G10K 11/00; G09F                                            3/00          See application file for complete search history.</p>	<p>D345,346 S    3/1994 Alfonso          D345,379 S    3/1994 Chan          5,322,979 A    6/1994 Cassity          5,359,374 A   10/1994 Schwartz          5,383,293 A    1/1995 Royal          5,400,413 A    3/1995 Kindel          D363,045 S   10/1995 Phillips          5,509,634 A *  4/1996 Gebka ..... G09F 3/204            24/336          5,645,257 A *  7/1997 Ward ..... A47B 57/565            108/108          5,717,171 A *  2/1998 Miller ..... H04R 1/023            181/150</p>	<p>D392,977 S    3/1998 Kim          D394,061 S    5/1998 Fink          5,870,482 A    2/1999 Loeppert          5,888,412 A    3/1999 Sooriakumar          5,888,439 A *  3/1999 Miller ..... H04R 1/023            264/248          6,035,962 A    3/2000 Lin          6,039,457 A *  3/2000 O'Neal ..... F21S 8/00            362/217.16          D424,538 S    5/2000 Hayashi          D432,518 S   10/2000 Muto          6,144,746 A   11/2000 Azima          6,198,831 B1   3/2001 Azima          6,205,224 B1   3/2001 Underbrink          6,266,427 B1   7/2001 Mathur          6,285,770 B1   9/2001 Azima          D453,016 S    1/2002 Nevill          6,393,129 B1   5/2002 Conrad          6,488,367 B1   12/2002 Debesis          D480,923 S *  10/2003 Neubourg ..... D7/554.3          6,665,971 B2 * 12/2003 Lowry ..... G09F 3/20            40/642.02          D489,707 S    5/2004 Kobayashi          D504,889 S    5/2005 Andre          6,944,312 B2 * 9/2005 Mason ..... H04R 1/025            381/189          6,993,145 B2   1/2006 Combest          D526,643 S    8/2006 Ishizaki          D527,372 S    8/2006 Allen          D542,543 S    5/2007 Bruce          D546,318 S    7/2007 Yoon          D547,748 S    7/2007 Tsuge          D549,673 S    8/2007 Niitsu          D552,570 S   10/2007 Niitsu          D559,553 S    1/2008 Mischel          D566,685 S    4/2008 Koller          7,387,151 B1 * 6/2008 Payne ..... E06B 5/006            160/371          D587,709 S    3/2009 Niitsu          D589,605 S    3/2009 Reedy          7,536,769 B2   5/2009 Pedersen          D595,736 S    7/2009 Son          7,565,949 B2   7/2009 Tojo          D613,338 S    4/2010 Marukos          7,701,110 B2   4/2010 Fukuda          D614,871 S    5/2010 Tang          D636,188 S    4/2011 Kim          D642,385 S    8/2011 Lee          8,064,629 B2   11/2011 Jiang          D656,473 S *  3/2012 Laube ..... D14/126          8,213,634 B1   7/2012 Daniel          8,286,749 B2   10/2012 Stewart          8,297,402 B2   10/2012 Stewart          8,403,107 B2   3/2013 Stewart          D685,346 S    7/2013 Szymanski          8,479,871 B2   7/2013 Stewart          8,631,897 B2   1/2014 Stewart          8,670,581 B2   3/2014 Harman          8,672,087 B2   3/2014 Stewart          D717,272 S    11/2014 Kim          D718,731 S *  12/2014 Lee ..... D14/126          D725,059 S *  3/2015 Kim ..... D14/126          D725,631 S    3/2015 McNamara          D726,144 S    4/2015 Kang          D729,767 S    5/2015 Lee</p>
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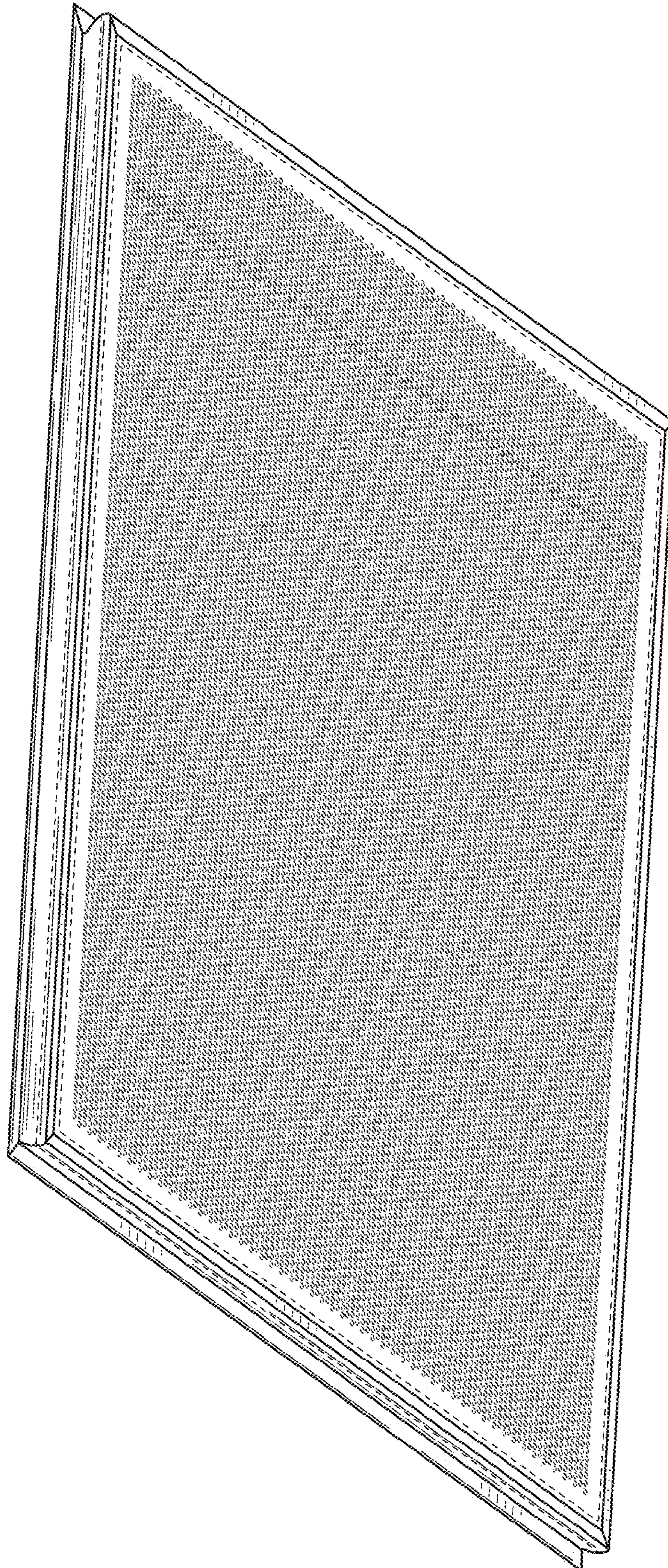


FIG. 1

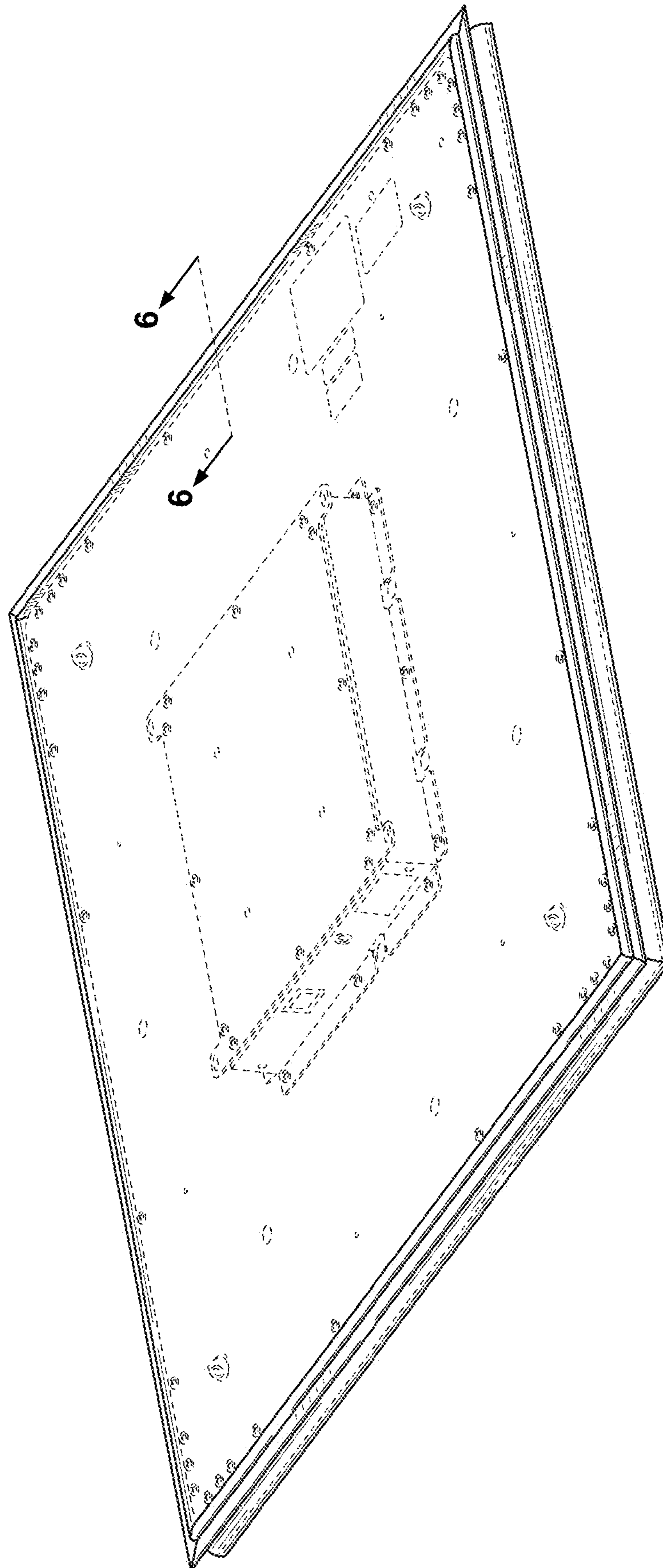


FIG. 2

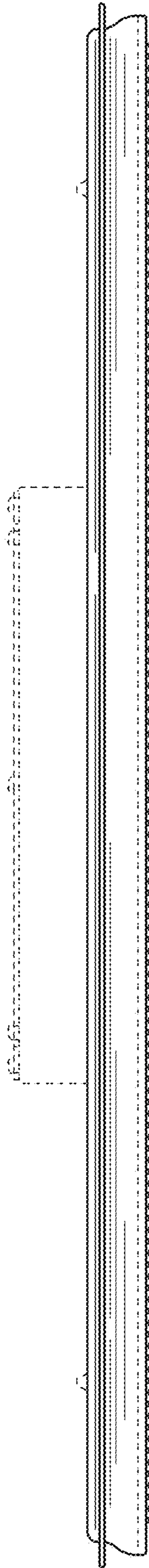


FIG. 3

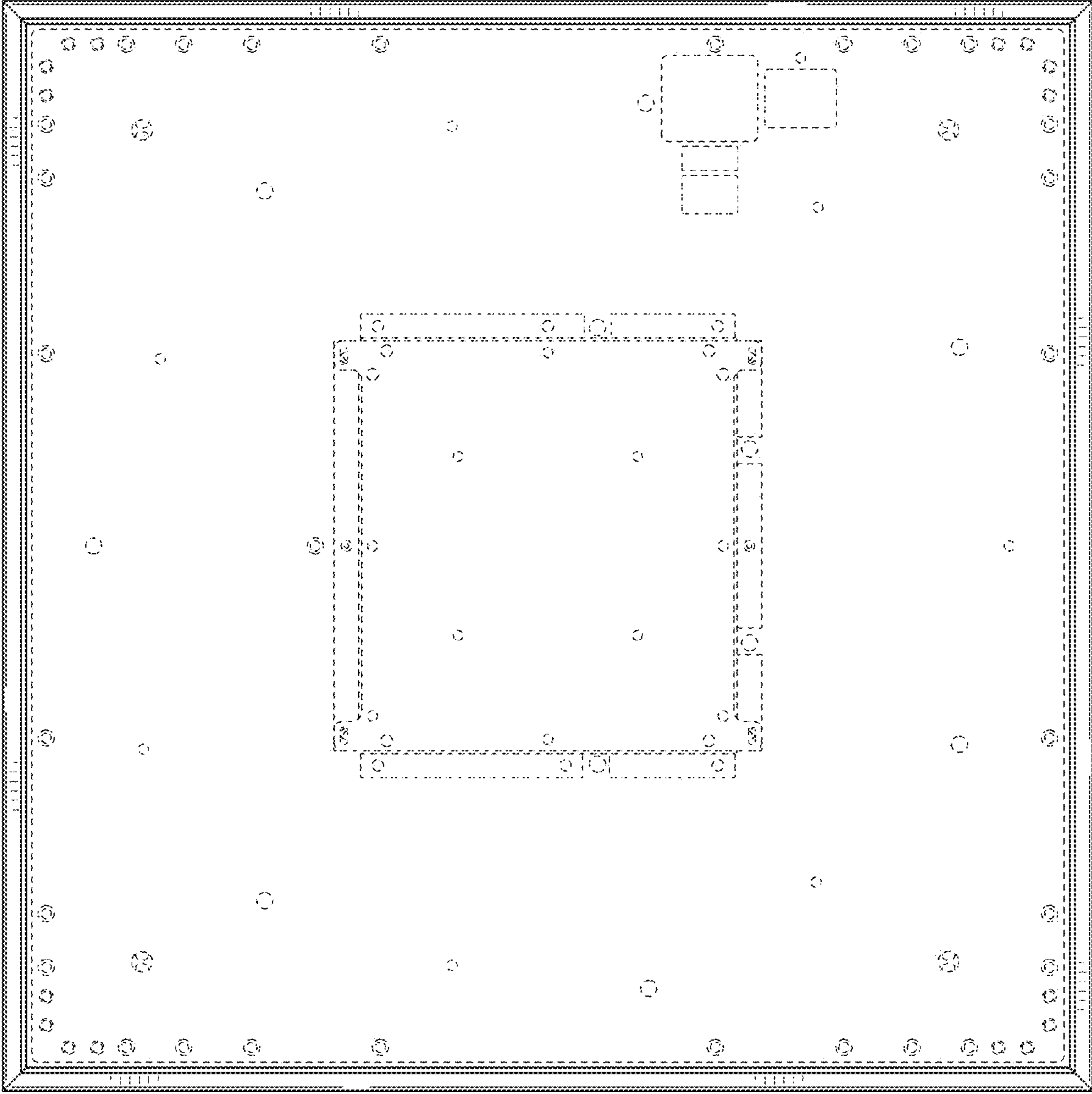


FIG. 4

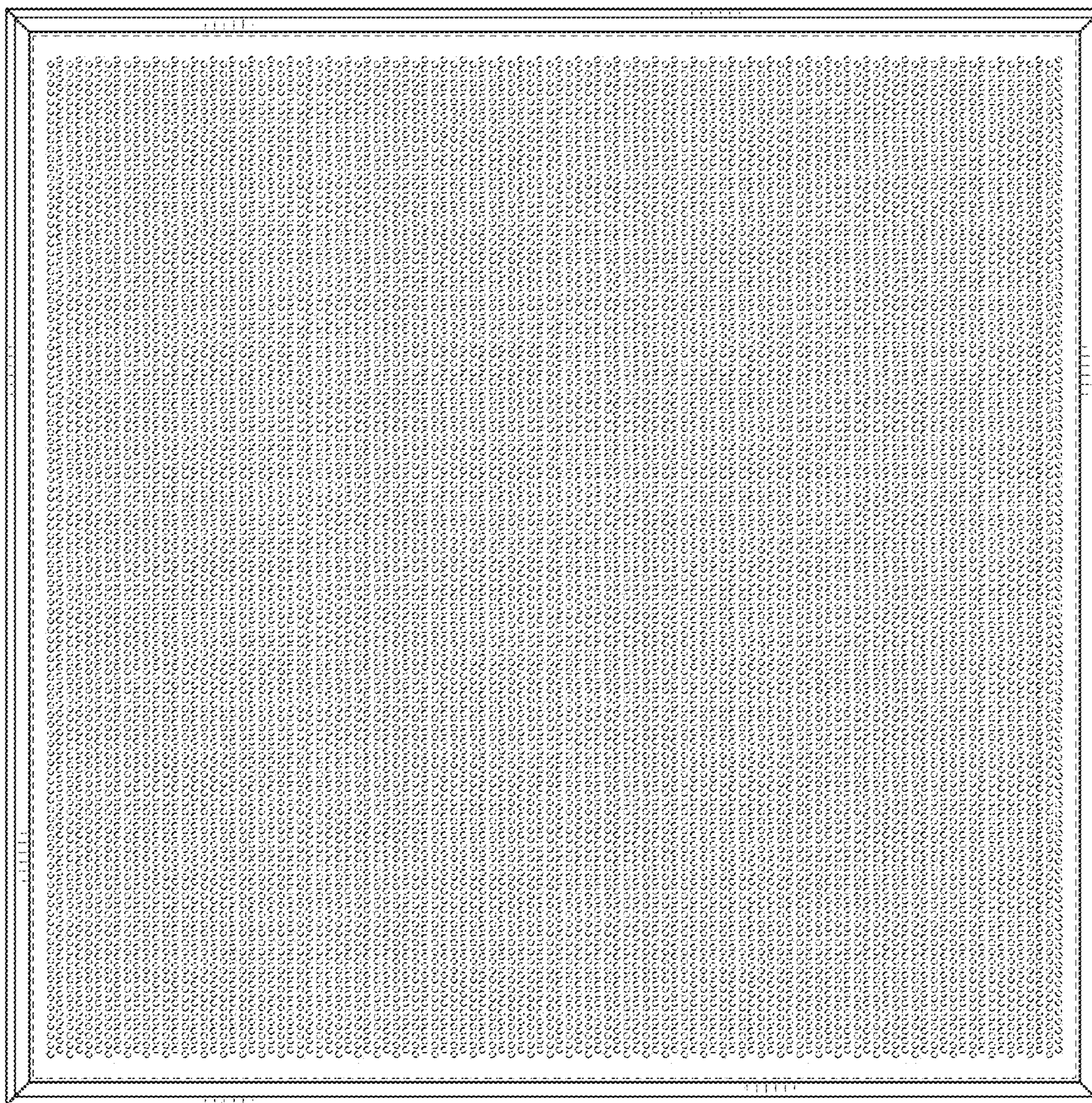


FIG. 5



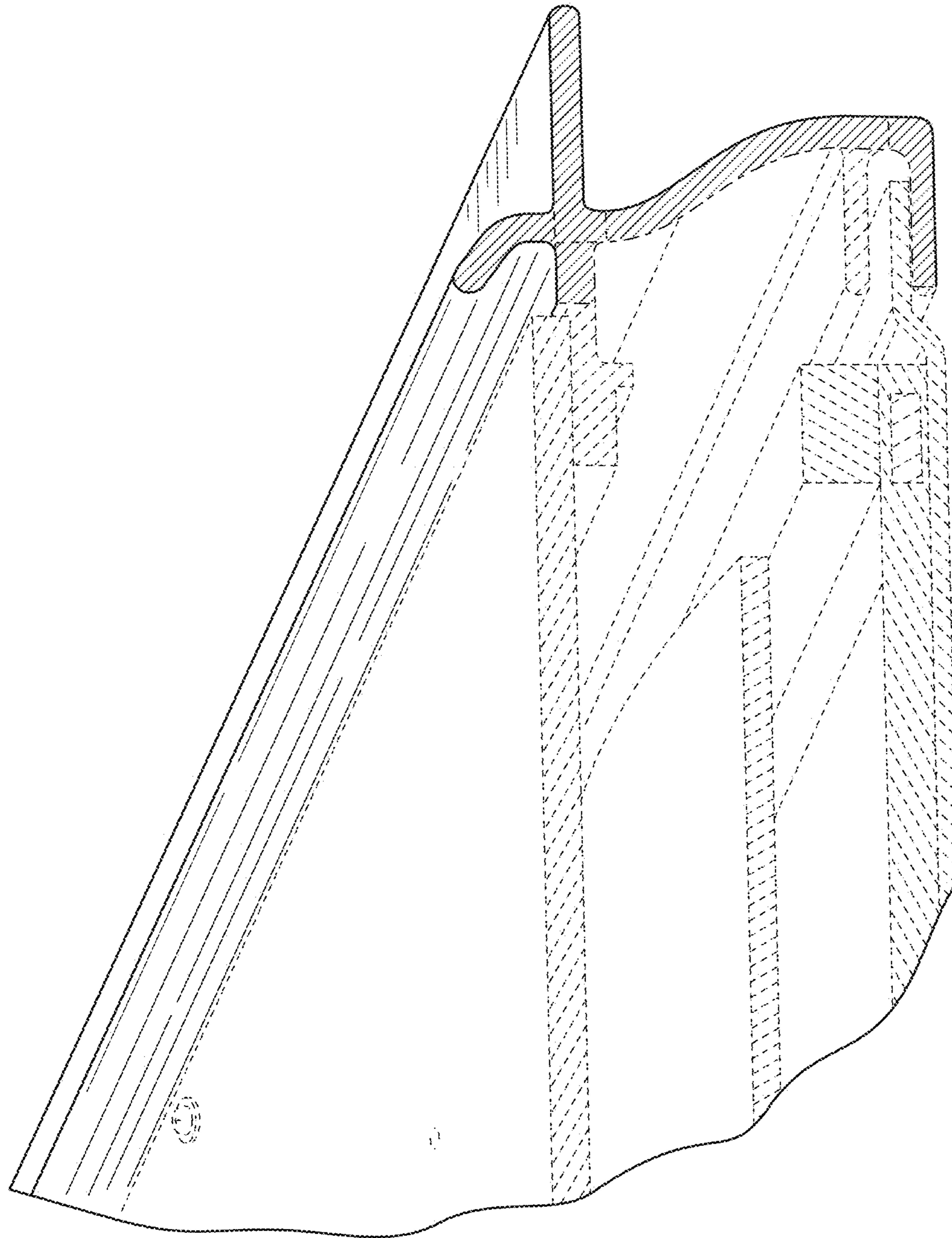


FIG. 6

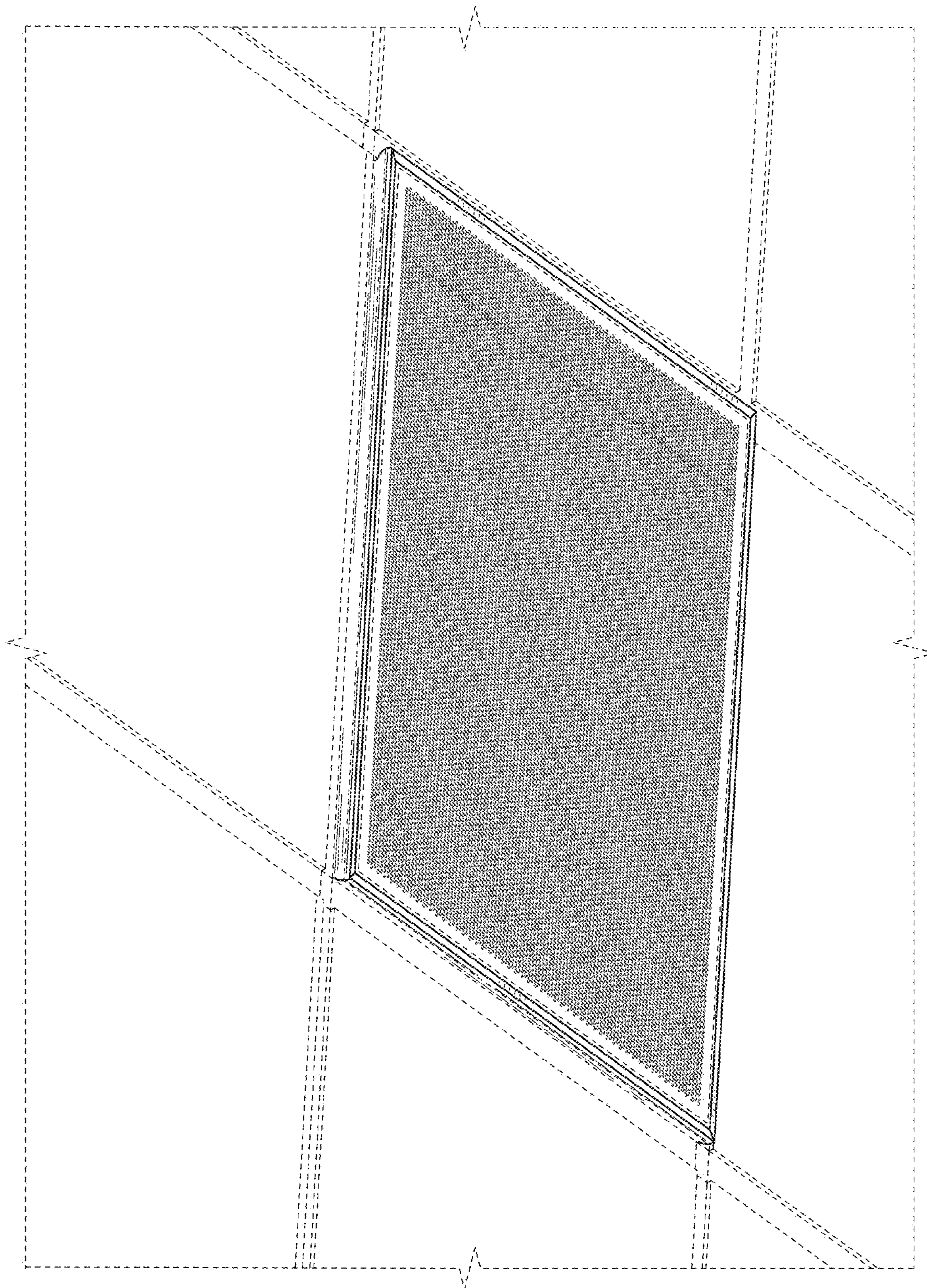


FIG. 7

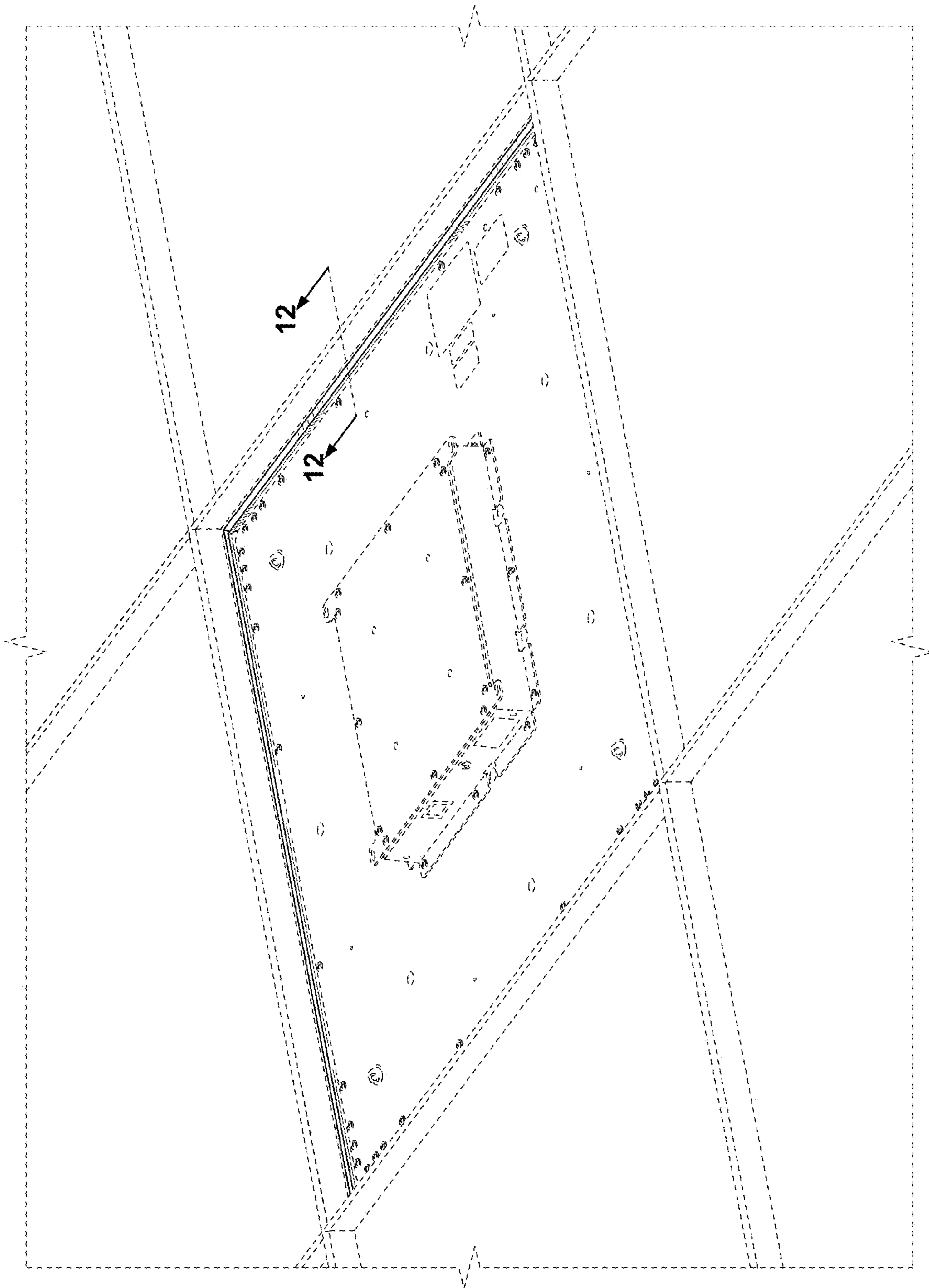


FIG. 8

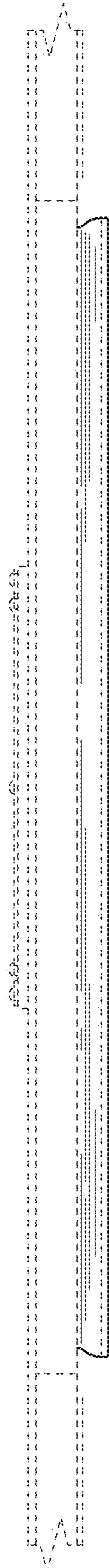


FIG. 9

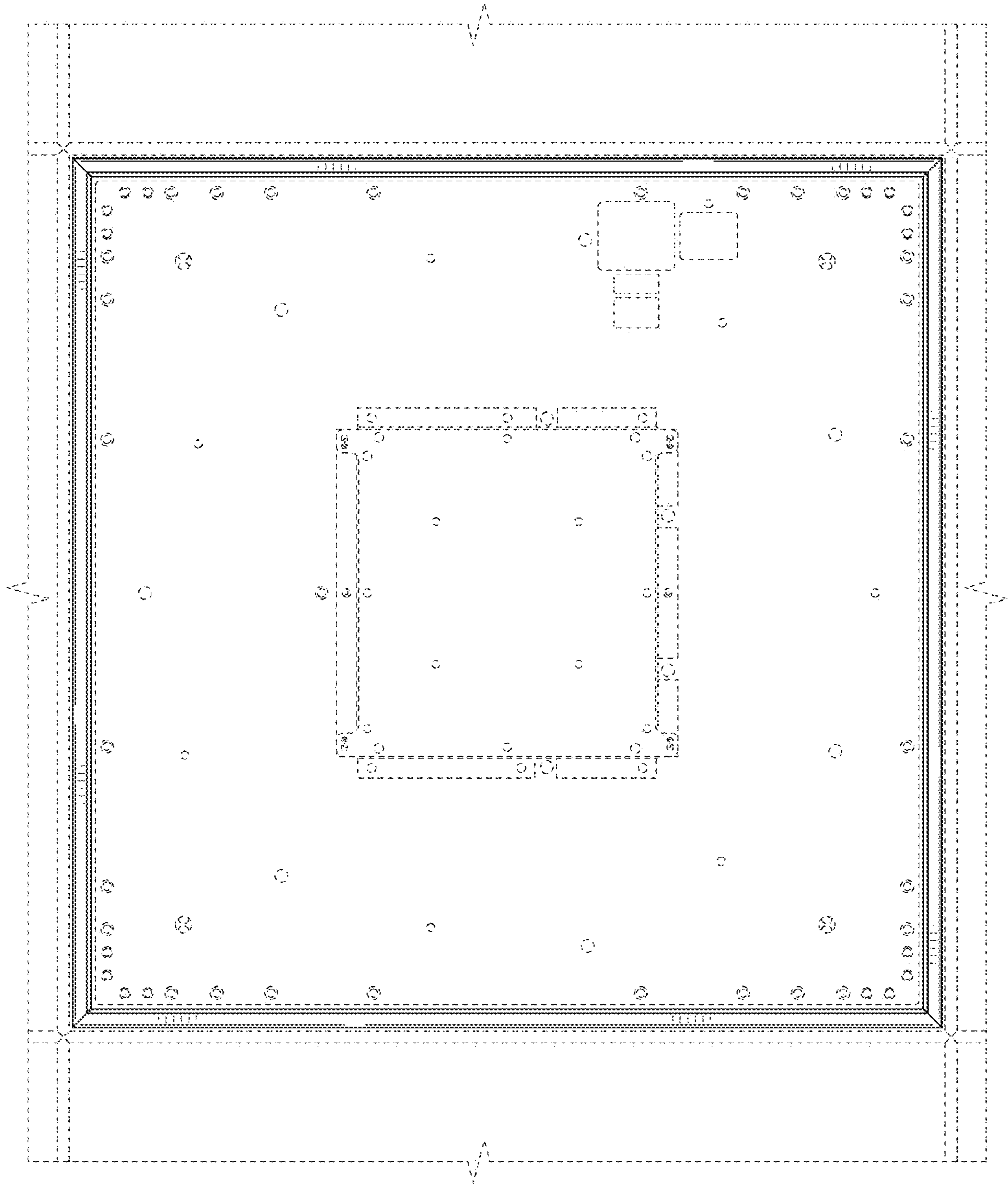


FIG. 10

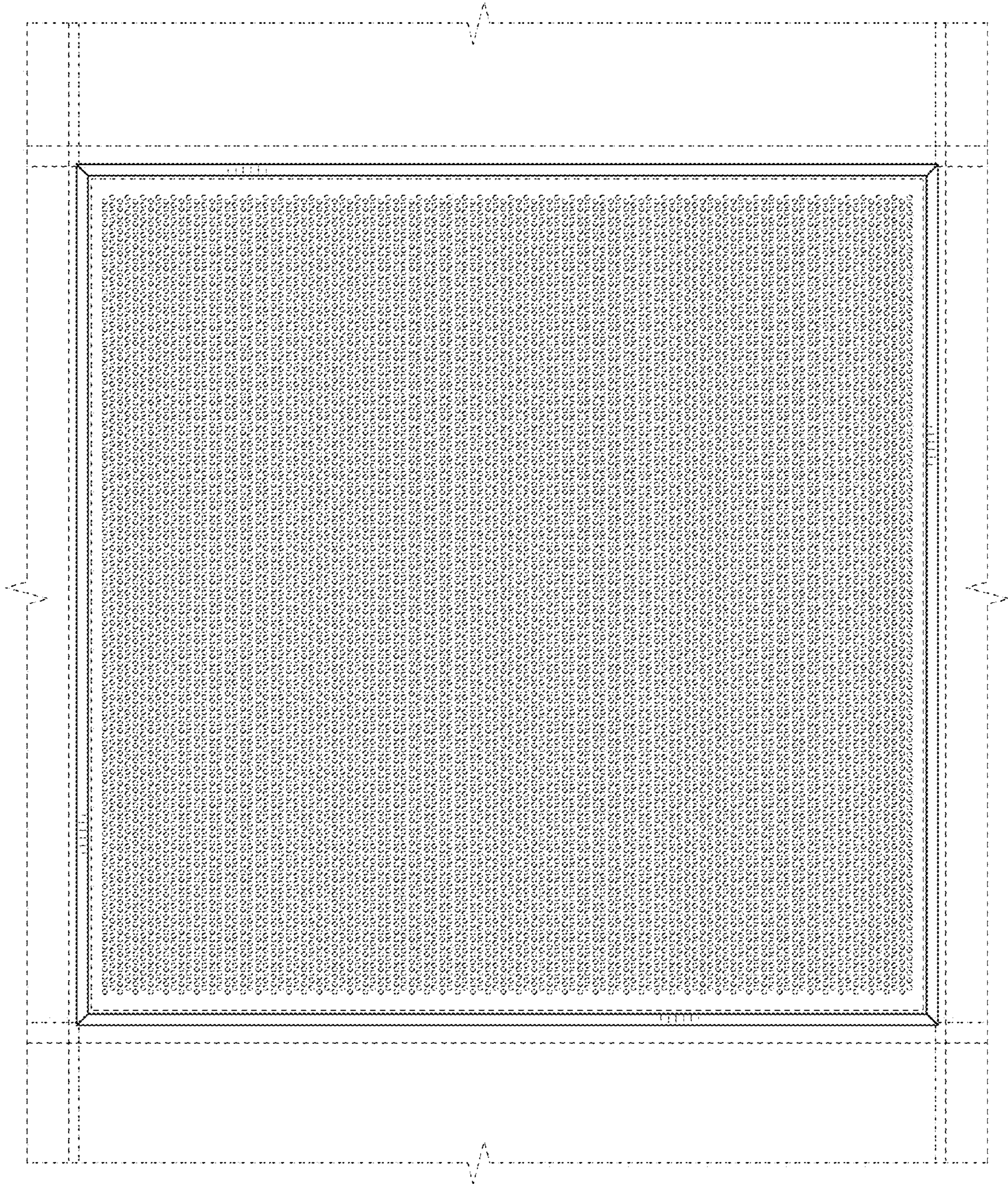


FIG. 11

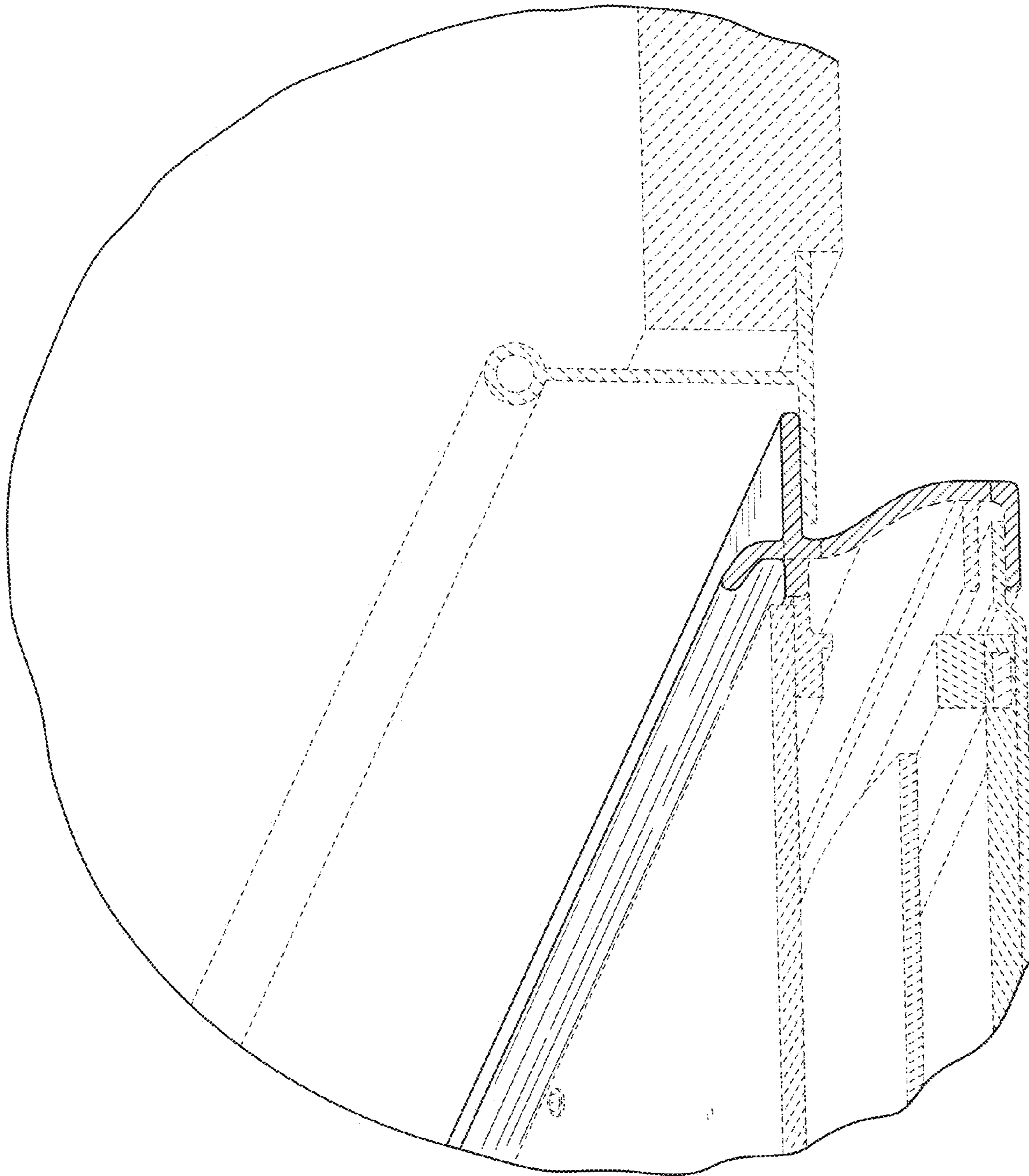


FIG. 12