



US00D831566S

(12) **United States Design Patent** (10) **Patent No.:** **US D831,566 S**
Nommensen et al. (45) **Date of Patent:** **** Oct. 23, 2018**

(54) **BATTERY RECEPTACLE**

(71) Applicant: **Briggs & Stratton Corporation**,
Wauwatosa, WI (US)

(72) Inventors: **James Nommensen**, Oak Creek, WI
(US); **Paul D. Kluck**, Belgium, WI
(US); **Matthew Markowski**,
Wauwatosa, WI (US); **Robert Koenen**,
Pewaukee, WI (US); **Dale S. Dilulio**,
Saukville, WI (US); **Bart Mayer**, Fond
du Lac, WI (US); **Brian D. Neeley**,
West Bend, WI (US)

(73) Assignee: **Briggs & Stratton Corporation**,
Wauwatosa, WI (US)

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

(21) Appl. No.: **29/628,339**

(22) Filed: **Dec. 4, 2017**

Related U.S. Application Data

(62) Division of application No. 29/585,331, filed on Nov.
22, 2016, now Pat. No. Des. 811,999, which is a
division of application No. 29/488,712, filed on Apr.
22, 2014, now Pat. No. Des. 776,052.

(51) **LOC (11) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/107**

(58) **Field of Classification Search**
USPC D13/102–110, 118–119, 184, 199;
D14/356, 432; 429/96–100, 163, 176;
320/103, 111–115, 135, 138, 140
CPC Y02E 60/10; Y02E 60/12; Y02E 60/122;
Y02E 60/124; Y02E 60/50; H01M 2/02;
H01M 2/022; H01M 2/0202; H01M
2/0207; H01M 2/0212; H01M 2/1061;
H01M 2/1022; H01M 2/1055; H01M
2/1066; H01M 2/105; H01M 2/20; H01M
2/202; H01M 2/204; H01M 2/206; H01M
10/44; H01M 10/46; H01M 10/465;
H01M 10/482; H01M 10/4257; H01M

10/0436; H01M 10/48; H01M 2200/30;
H01M 2250/30; H01M 2250/40; H02J
7/00; H02J 7/0003; H02J 7/0011; H02J
7/0013; H02J 7/0054; H02J 7/0055; H02J
7/0057; H02J 2007/0062

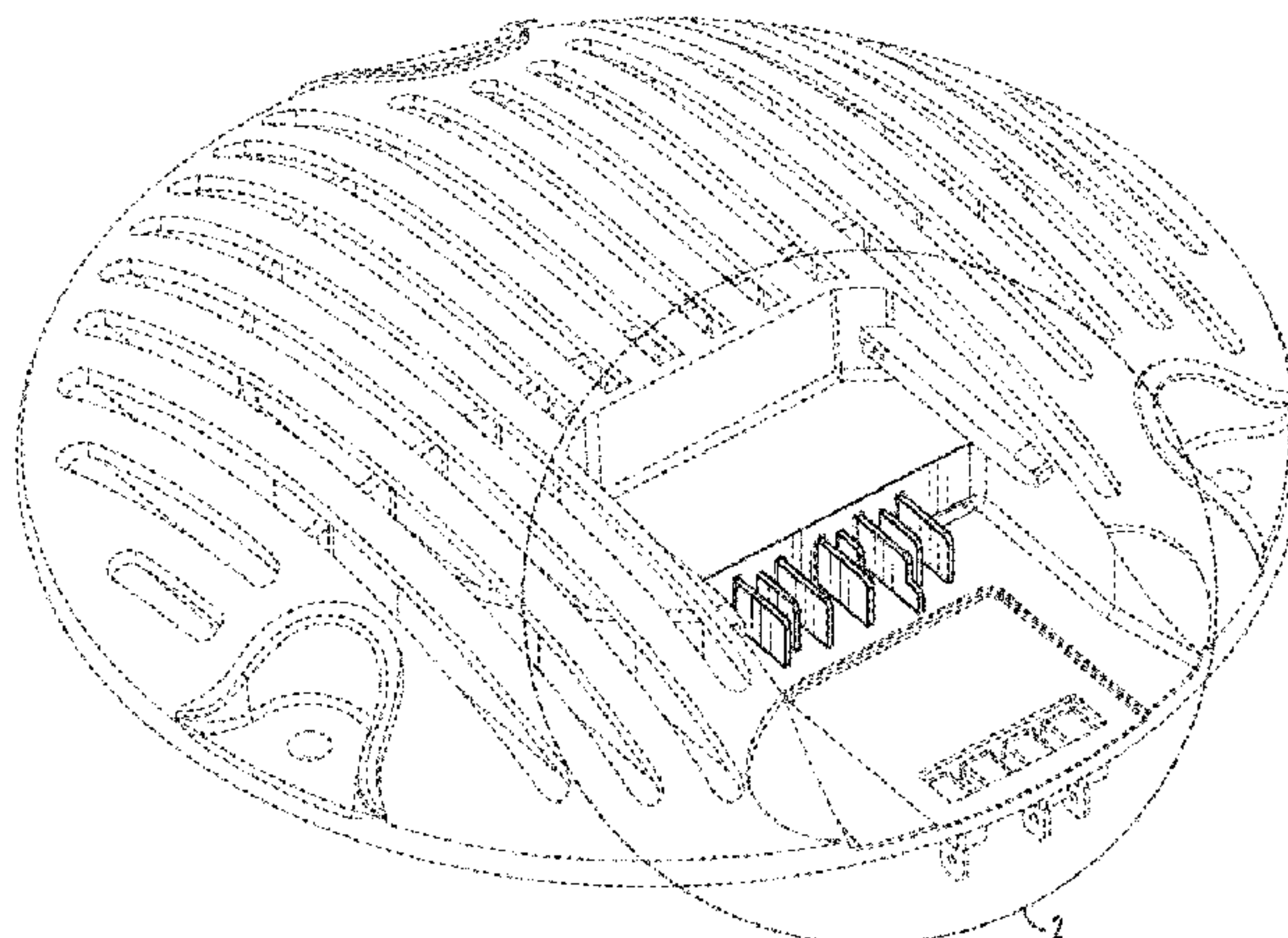
See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

2,457,023 A	12/1948	Zelt
D258,818 S	4/1981	Johnson et al.
D265,899 S	8/1982	House, II
D265,985 S	8/1982	House, II
D299,640 S	1/1989	Price
D300,920 S	5/1989	Gierke
D302,971 S	8/1989	Gierke
D303,205 S	9/1989	Gierke et al.
D304,543 S	11/1989	Somers et al.
D316,216 S	4/1991	Gierke et al.
D347,822 S	6/1994	Tong
D353,130 S	12/1994	Aldrich et al.
D376,579 S	12/1996	Bunyea et al.
D391,943 S	3/1998	Han
D400,499 S	11/1998	Bunyea
D401,901 S	12/1998	Bunyea et al.
D409,976 S	5/1999	Buck
D415,100 S	10/1999	Buck
D418,811 S	1/2000	Bunyea et al.
D432,077 S	10/2000	Zurwelle et al.
D432,982 S	10/2000	Miyashita
D433,994 S	11/2000	Jobs et al.
D437,580 S	2/2001	Marshall et al.
D438,170 S	2/2001	Hofbauer
D439,217 S	3/2001	Melnicoff
D439,561 S	3/2001	Lee, IV et al.
D456,002 S	4/2002	Kato et al.
D456,807 S	5/2002	Floyd
D460,412 S	7/2002	Nawrozki
D460,413 S	7/2002	Zurwelle et al.
D461,447 S	8/2002	Nawrozki
D463,359 S	9/2002	Nawrozki
D463,774 S	* 10/2002	Buck D13/120
D466,863 S	12/2002	Zurwelle et al.
D475,679 S	6/2003	Cooper et al.
D477,811 S	7/2003	Niwa et al.
D480,376 S	10/2003	Ma
D481,672 S	11/2003	Niwa et al.
D484,850 S	1/2004	Johnson
D486,789 S	2/2004	Santiago
D487,059 S	2/2004	Glasgow et al.



US D831,566 S

Page 2

D487,426 S	3/2004	Johnson	D640,975 S	7/2011	Okuda et al.
D488,438 S	4/2004	Zick et al.	D642,119 S	7/2011	Baetica et al.
D491,130 S	6/2004	Welbes	D643,809 S	8/2011	Okuda et al.
D496,038 S	9/2004	Floyd	D645,818 S	9/2011	Guccione et al.
D501,823 S	2/2005	Johnson et al.	D652,793 S	1/2012	Tschopp
D503,673 S	4/2005	Rosengrant	D654,850 S	2/2012	Obata
D503,922 S	4/2005	Shimizu	D656,096 S	3/2012	Sasada et al.
D504,395 S	4/2005	Zeiler et al.	8,138,942 B2	3/2012	Otsuka et al.
D506,725 S	7/2005	Watson	D657,307 S	4/2012	Zhao
D507,235 S	7/2005	Rozwadowski et al.	D658,578 S	5/2012	Davis
D509,189 S	9/2005	Buck	D659,093 S	5/2012	Schmid et al.
D511,744 S	11/2005	Hsu et al.	D661,930 S	6/2012	Gebski
D512,373 S	12/2005	Tsai et al.	D676,299 S	2/2013	Baron et al.
D513,730 S	1/2006	Johnson	D677,549 S	3/2013	Baron et al.
D515,027 S	2/2006	Groh et al.	D679,651 S	4/2013	Stratford
D516,504 S	3/2006	Okuda et al.	D680,064 S	4/2013	Tirone et al.
D519,918 S	5/2006	Wilson et al.	D682,192 S	5/2013	Corbin
D519,920 S	5/2006	Zick et al.	D682,194 S *	5/2013	Jiang D13/103
D523,807 S	6/2006	Murayama et al.	D682,778 S	5/2013	Baumgartner et al.
D522,964 S	7/2006	Watson	D684,528 S *	6/2013	Murray D13/103
D524,243 S	7/2006	Lee	D685,730 S *	7/2013	Hamm D13/103
D524,728 S	7/2006	Watson	D686,981 S	7/2013	Koyabu et al.
D526,613 S	8/2006	Zeiler et al.	D687,380 S	8/2013	Tirone et al.
D529,439 S	10/2006	Glasgow et al.	D692,380 S	10/2013	Tirone
D534,122 S	12/2006	Buck	D694,182 S	11/2013	Lee et al.
D535,250 S	1/2007	Watson	D696,190 S	12/2013	Brandtman et al.
D535,253 S	1/2007	Buck	D697,475 S	1/2014	Regole
D537,409 S	2/2007	Suzuki	D698,313 S	1/2014	Buetow et al.
D538,613 S	3/2007	Murray	D699,670 S	2/2014	Cooper
D539,221 S	3/2007	Johnson et al.	D706,212 S	6/2014	Zwierstra et al.
D545,759 S	7/2007	Ino et al.	8,741,474 B2	6/2014	Melnyk et al.
D545,760 S	7/2007	Concari et al.	D710,794 S	8/2014	Busschaert et al.
7,238,443 B2	7/2007	Sakakibara	D712,826 S	9/2014	Marino et al.
D549,169 S	8/2007	Watson	D718,233 S	11/2014	Aumiller et al.
D550,152 S	9/2007	Okuda et al.	D718,234 S	11/2014	Rautiainen
D550,614 S	9/2007	Fee et al.	D718,236 S	11/2014	Murray
D555,084 S	11/2007	Sharma et al.	D718,705 S	12/2014	Naksen
D555,086 S	11/2007	Zhang	D718,712 S	12/2014	Aumiller et al.
D556,677 S	12/2007	Watson	D720,289 S	12/2014	Chiang et al.
D556,680 S	12/2007	Matsumoto	D725,034 S	3/2015	Chen
D558,670 S	1/2008	Ritterling et al.	D729,729 S	5/2015	Rabalais et al.
D559,175 S	1/2008	Houghton	D731,409 S	6/2015	Erlich et al.
D562,226 S	2/2008	Uehlein-Proctor et al.	D731,411 S	6/2015	Nakaishi
D562,227 S	2/2008	Yamada et al.	D735,131 S	7/2015	Akana et al.
D562,230 S	2/2008	Houghton	D738,303 S	9/2015	Symons
D564,444 S	3/2008	Johnson et al.	9,127,658 B2 *	9/2015	Koenen F04B 17/05
D581,927 S	12/2008	Sumii	D740,750 S *	10/2015	Mayden D13/108
D588,535 S	3/2009	Krieger et al.	D741,256 S	10/2015	Murphy-Reinhertz et al.
D588,985 S	3/2009	O'Hern	D747,267 S	1/2016	Aumiller et al.
D589,439 S	3/2009	Van Wambeke	D749,504 S	2/2016	Jeong et al.
D589,440 S	3/2009	Van Wambeke	D757,014 S	5/2016	Hahn et al.
D589,441 S	3/2009	Van Wambeke	D761,412 S *	7/2016	Strehle D23/412
D590,391 S	4/2009	Sumii	D762,571 S	8/2016	Lee et al.
D594,403 S	6/2009	Yang	D763,186 S	8/2016	Breitenbach et al.
D594,405 S	6/2009	Murray et al.	D765,592 S	9/2016	Friend
D597,931 S	8/2009	Aglassinger	D776,052 S *	1/2017	Nommensen D13/107
D597,932 S	8/2009	Aglassinger	D788,696 S	6/2017	Yonishi et al.
D597,933 S	8/2009	Aglassinger	9,673,648 B2 *	6/2017	Johnson H01M 2/1055
D597,934 S	8/2009	Aglassinger	D791,700 S *	7/2017	Loewen D13/108
D598,018 S	8/2009	Sumii	2003/0039880 A1	2/2003	Turner et al.
D600,694 S	9/2009	Sumii	2004/0257038 A1	12/2004	Johnson et al.
D604,695 S	11/2009	Aglassinger	2004/0263119 A1	12/2004	Meyer et al.
D605,111 S	12/2009	Schoch	2009/0226816 A1	9/2009	Yoshida et al.
D606,492 S	12/2009	Steinfels	2013/0330576 A1	12/2013	Kolden et al.
D606,935 S	12/2009	Murayama et al.	2014/0106195 A1	4/2014	Milbourne et al.
D609,636 S	2/2010	Jensen	2016/0013680 A1	1/2016	Liang et al.
D610,082 S	2/2010	Sweeney	2016/0043453 A1 *	2/2016	Ebner H01M 10/659 429/120
D610,085 S	2/2010	Sweeney			
D610,537 S	2/2010	Sweeney	2016/0079631 A1	3/2016	Flitsch et al.
D614,125 S	4/2010	Tinius	2016/0095487 A1	4/2016	Koura et al.
D615,557 S *	5/2010	Mayer D15/5	2016/0115933 A1 *	4/2016	Koenen B60T 7/042 290/38 R
D619,620 S *	7/2010	Mayer D15/5			
D620,772 S	8/2010	Crawley	2016/0156206 A1	6/2016	Yamaji et al.
D633,036 S	2/2011	Murray	2016/0226290 A1	8/2016	Johnson et al.
D633,037 S	2/2011	Tschopp			
D633,442 S	3/2011	Charleux			
D640,196 S	6/2011	Shuang et al.			
D640,197 S	6/2011	Park et al.			
D640,628 S	6/2011	Lopano et al.			

* cited by examiner

Primary Examiner — Michelle E. Wilson

Assistant Examiner — Sanjeev Paul

(74) *Attorney, Agent, or Firm* — Foley & Lardner LLP

(57) **CLAIM**

We claim the ornamental design for a battery receptacle, as shown and described.

DESCRIPTION

FIG. 1 is a front-left perspective view from above of the claimed design according to one embodiment;

FIG. 2 is a detail view of a portion of the claimed design of FIG. 1;

FIG. 3 is a front-right perspective view of the claimed design of FIG. 1;

FIG. 4 is a detail view of a portion of the claimed design of FIG. 3;

FIG. 5 is a left side view of the claimed design of FIG. 1;

FIG. 6 is a right side view of the claimed design of FIG. 1;

FIG. 7 is a rear side view of the claimed design of FIG. 1;

FIG. 8 is a front view of the claimed design of FIG. 1;

FIG. 9 is a detail view of a portion of the claimed design of FIG. 8;

FIG. 10 is a top view of the claimed design of FIG. 1; and,

FIG. 11 is a detail view of a portion of the claimed design of FIG. 10.

The broken lines in the drawings are for illustrative purposes only and form no part of the claimed design. Broken lines formed by equal length dashes show unclaimed portions of the design. Broken lines formed of unequal length dashes (i.e., dash-dot) show boundaries between claimed and unclaimed portions of the design.

1 Claim, 9 Drawing Sheets

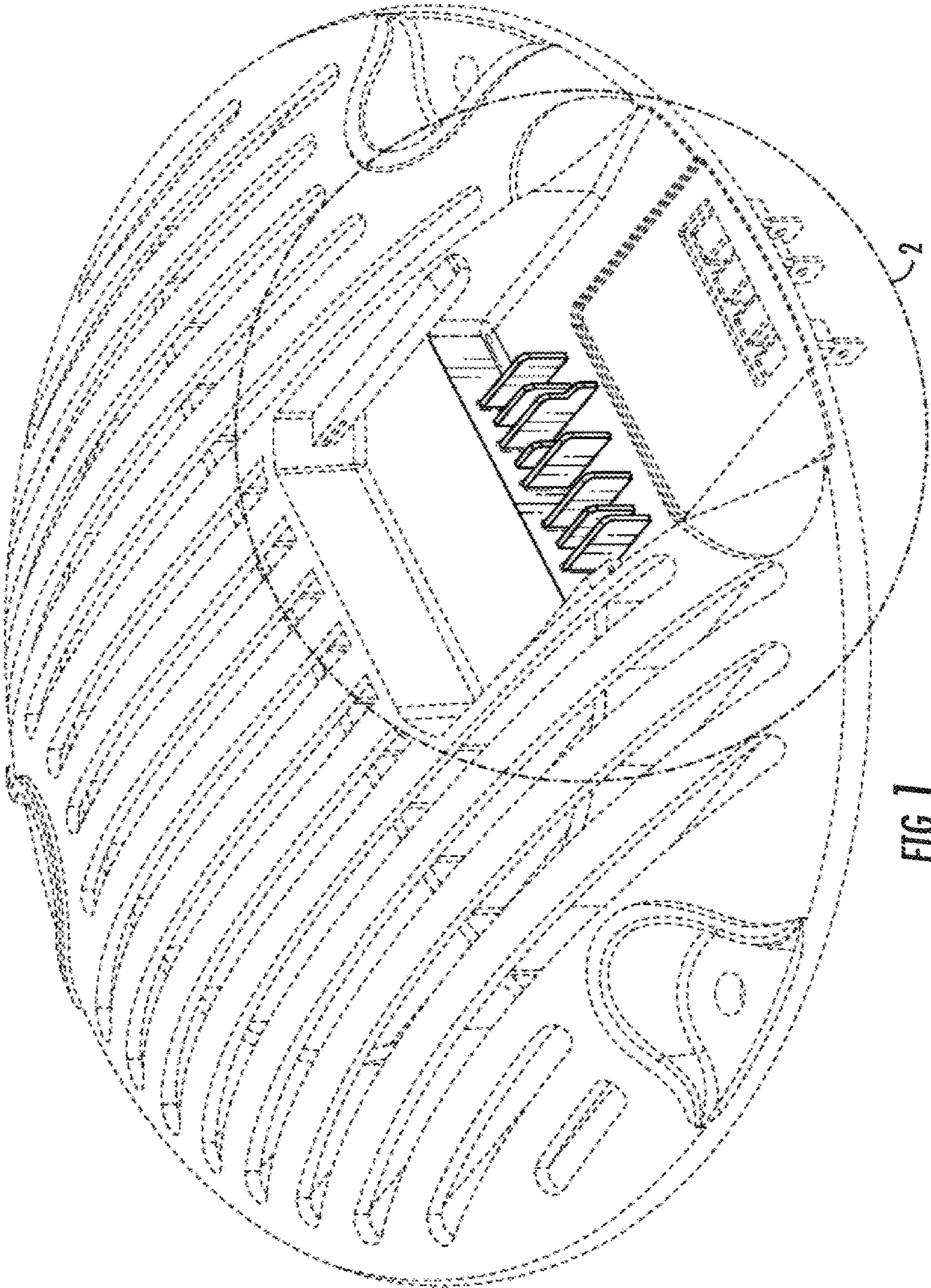


FIG. 1

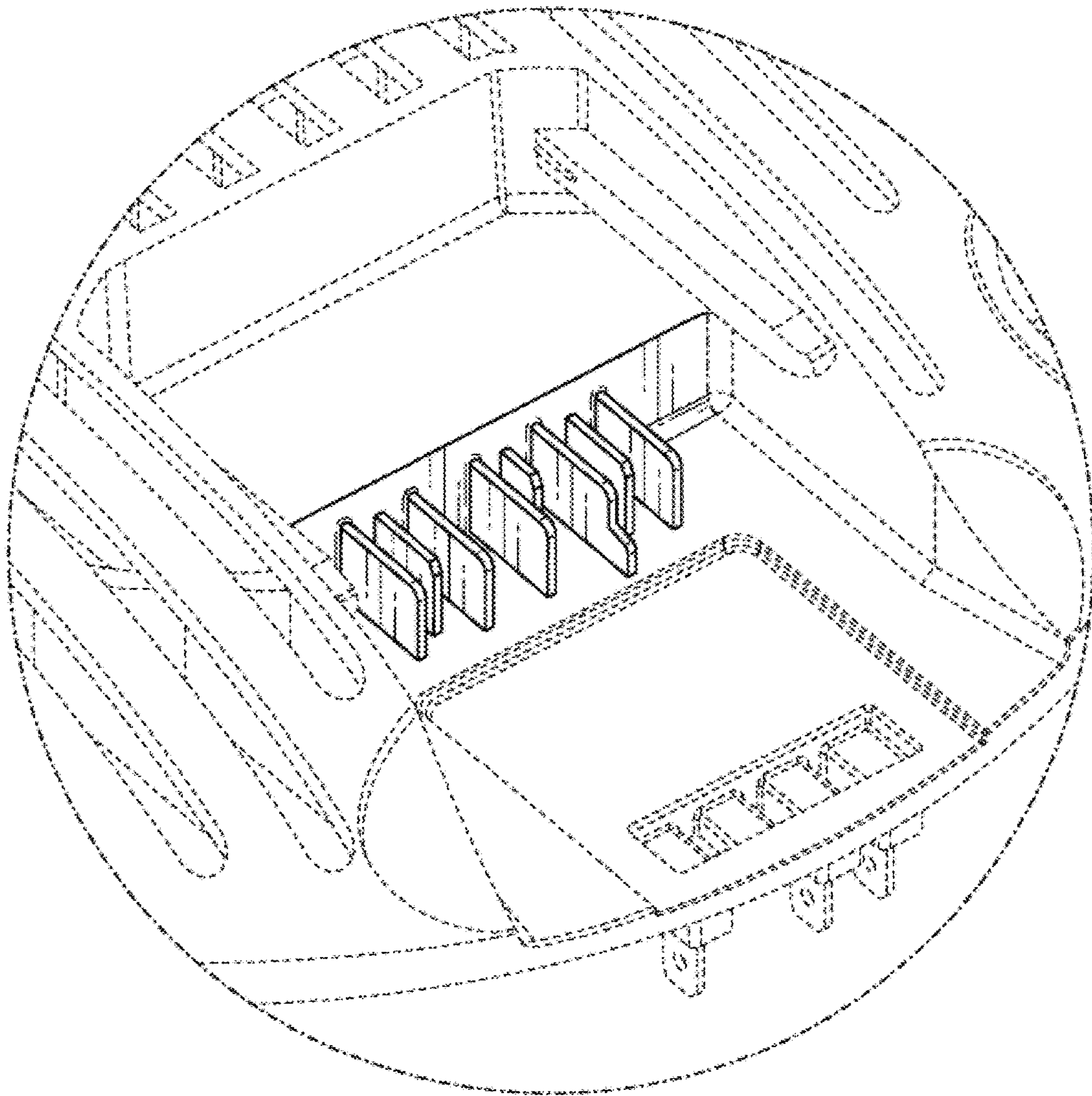


FIG. 2

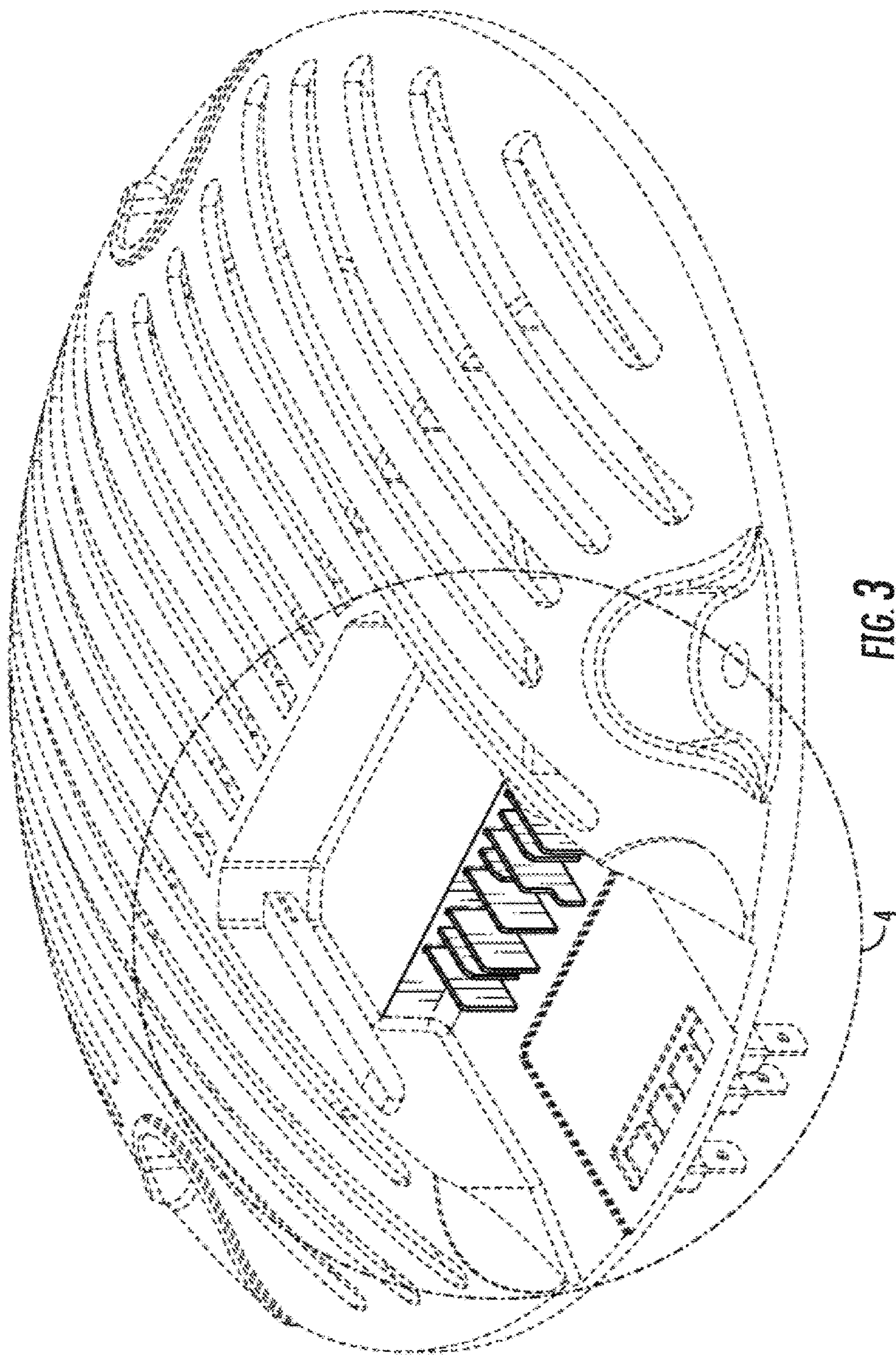


FIG. 3

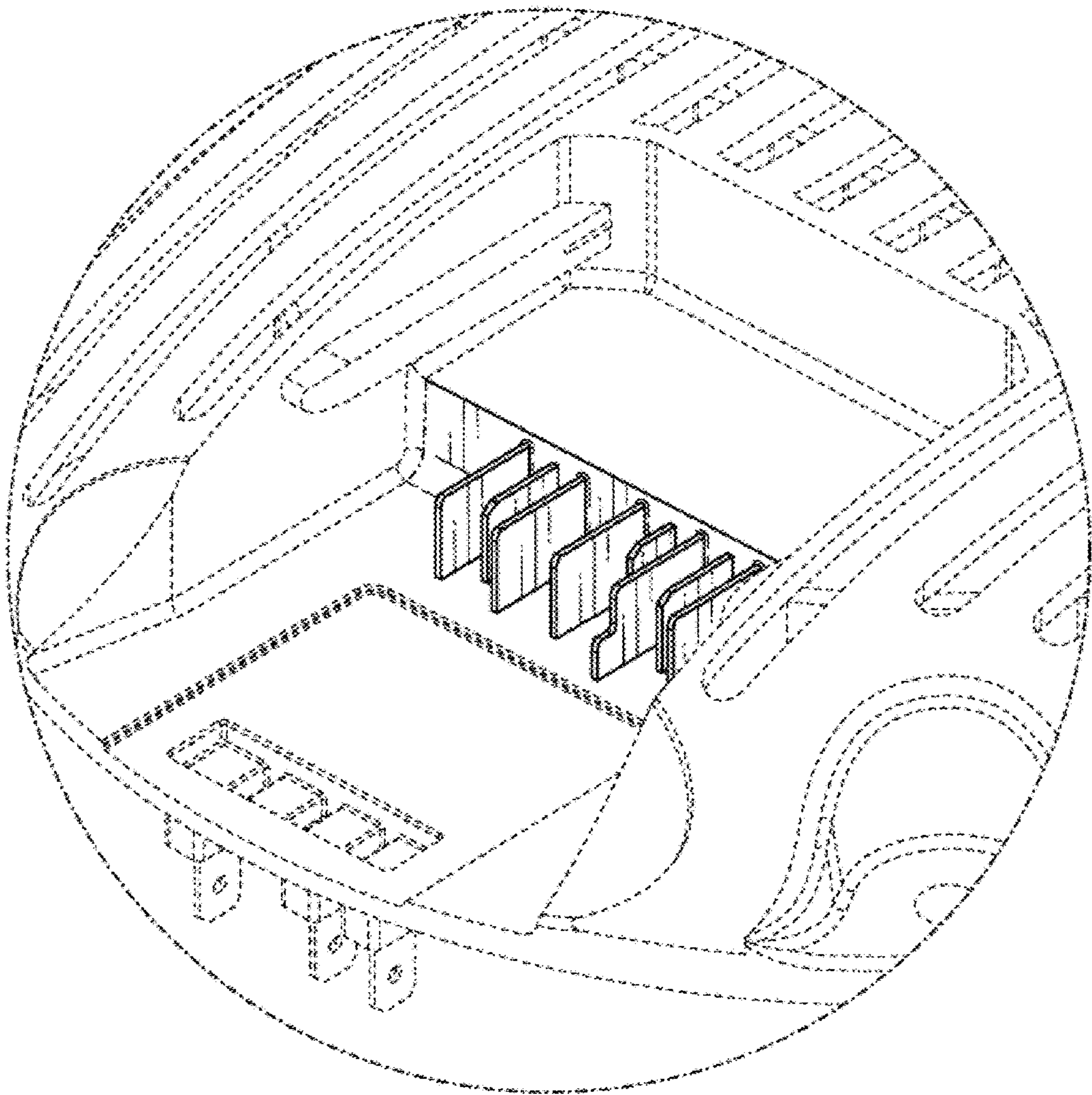


FIG. 4

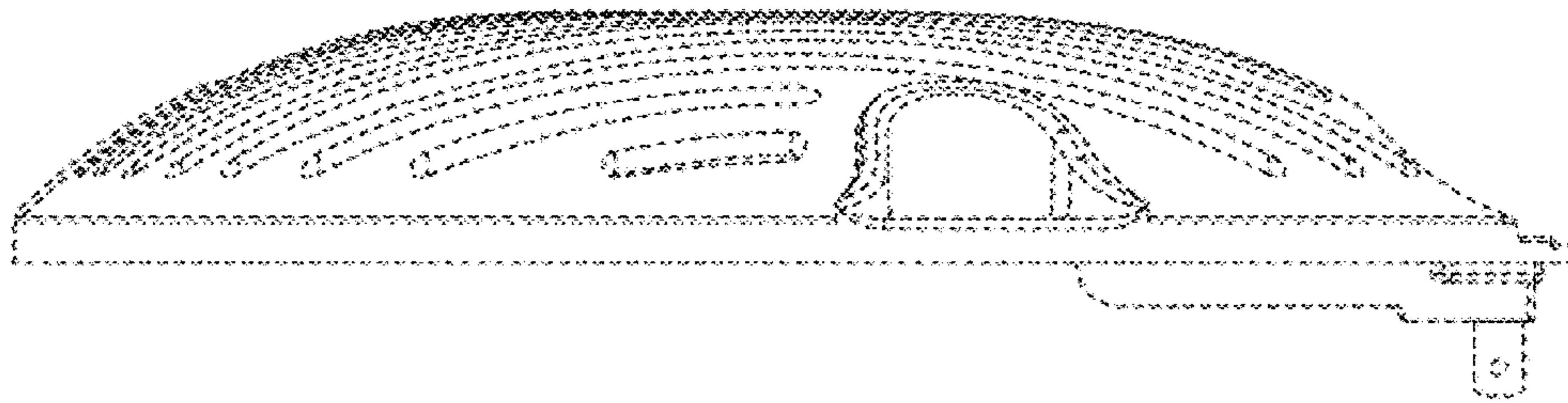


FIG. 5

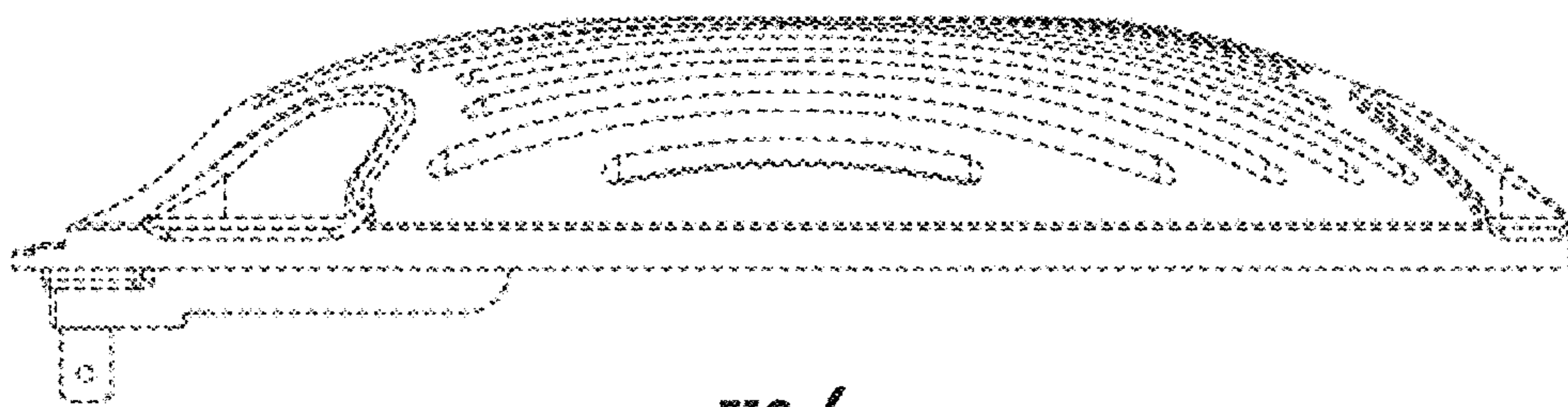


FIG. 6

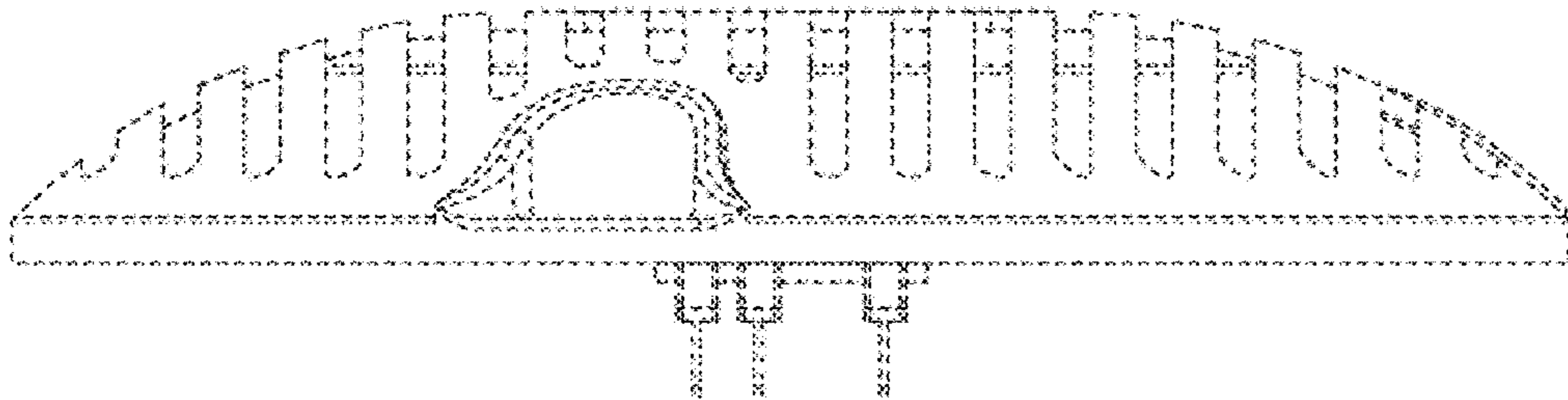


FIG. 7

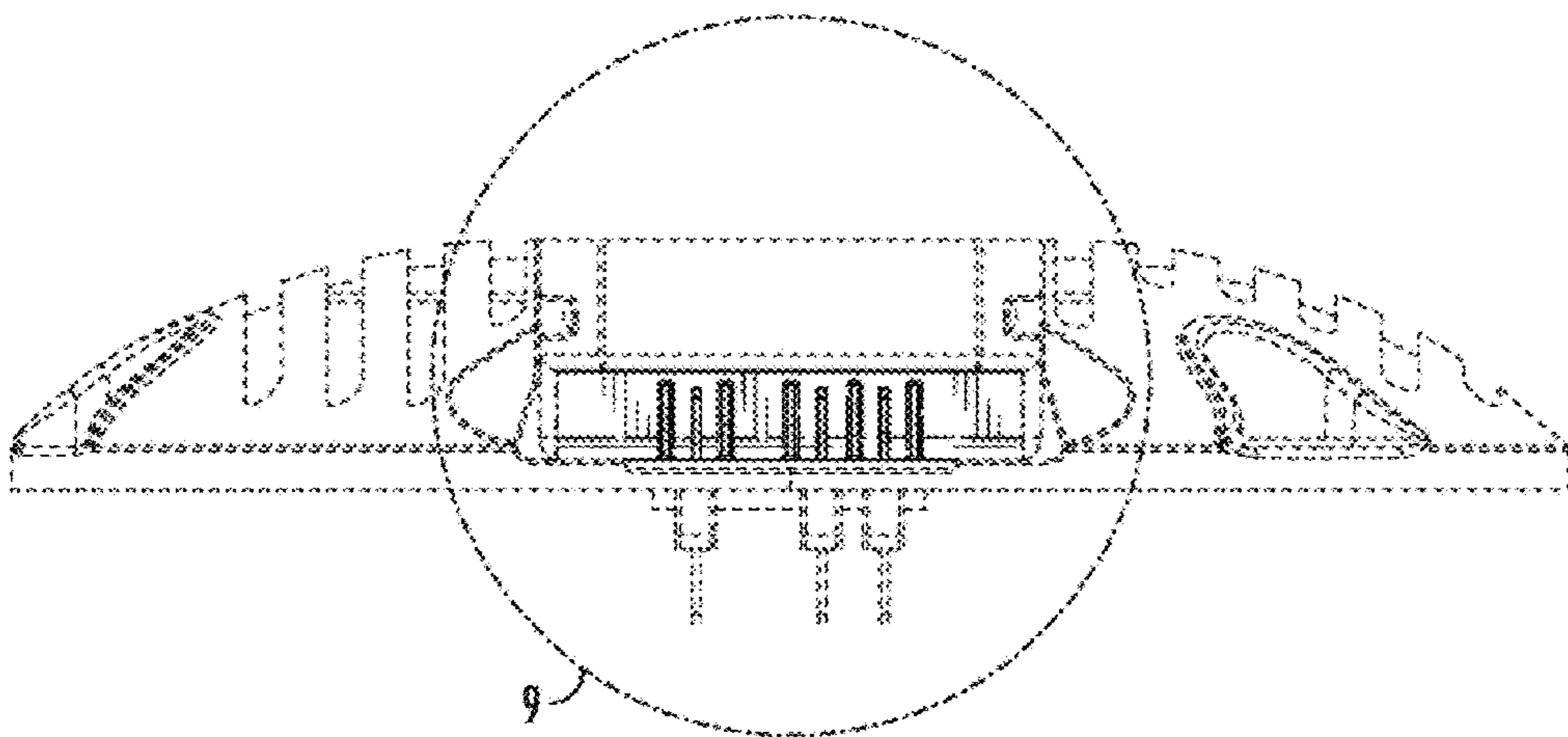


FIG. 8

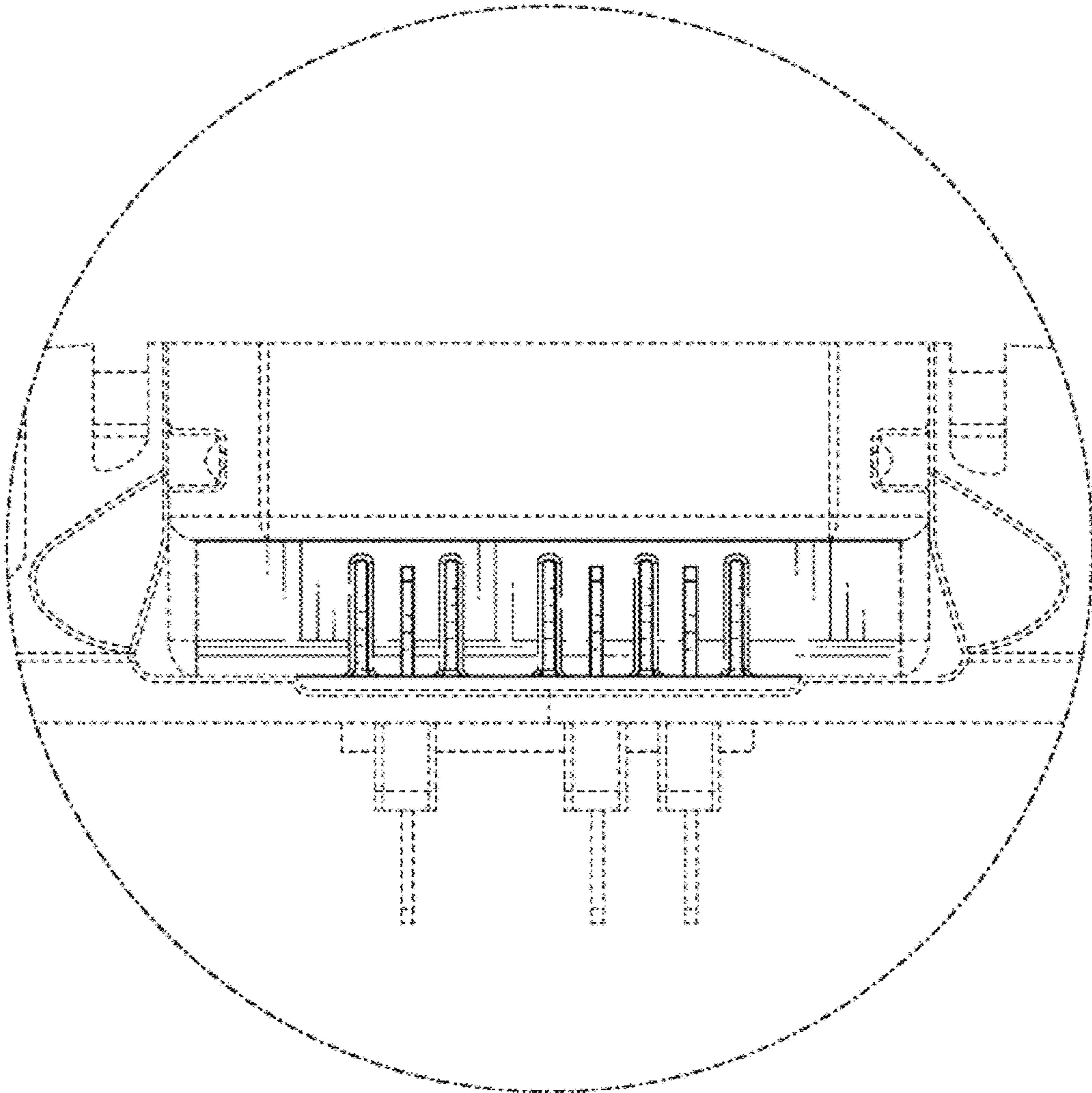


FIG. 9

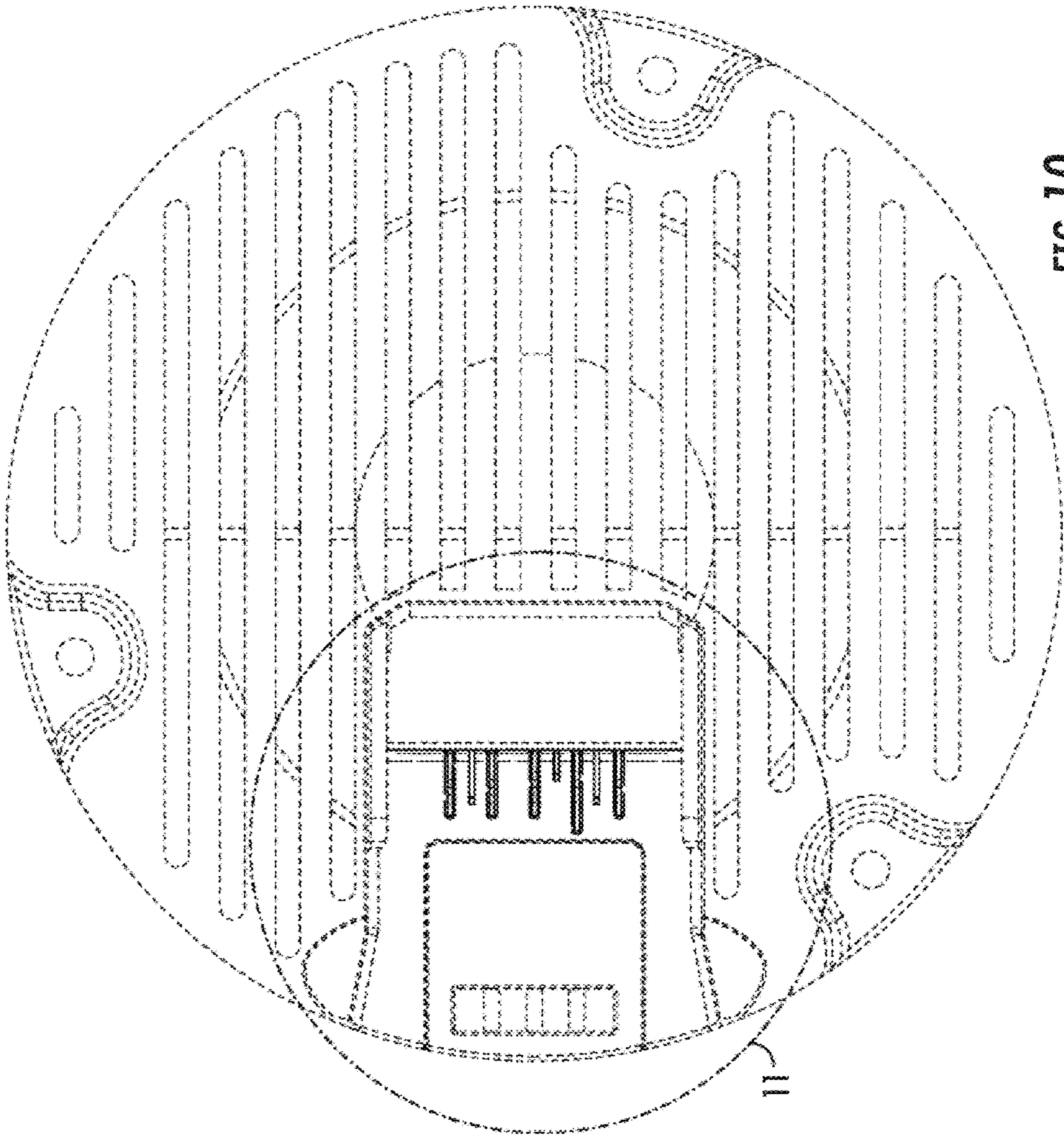


FIG. 10

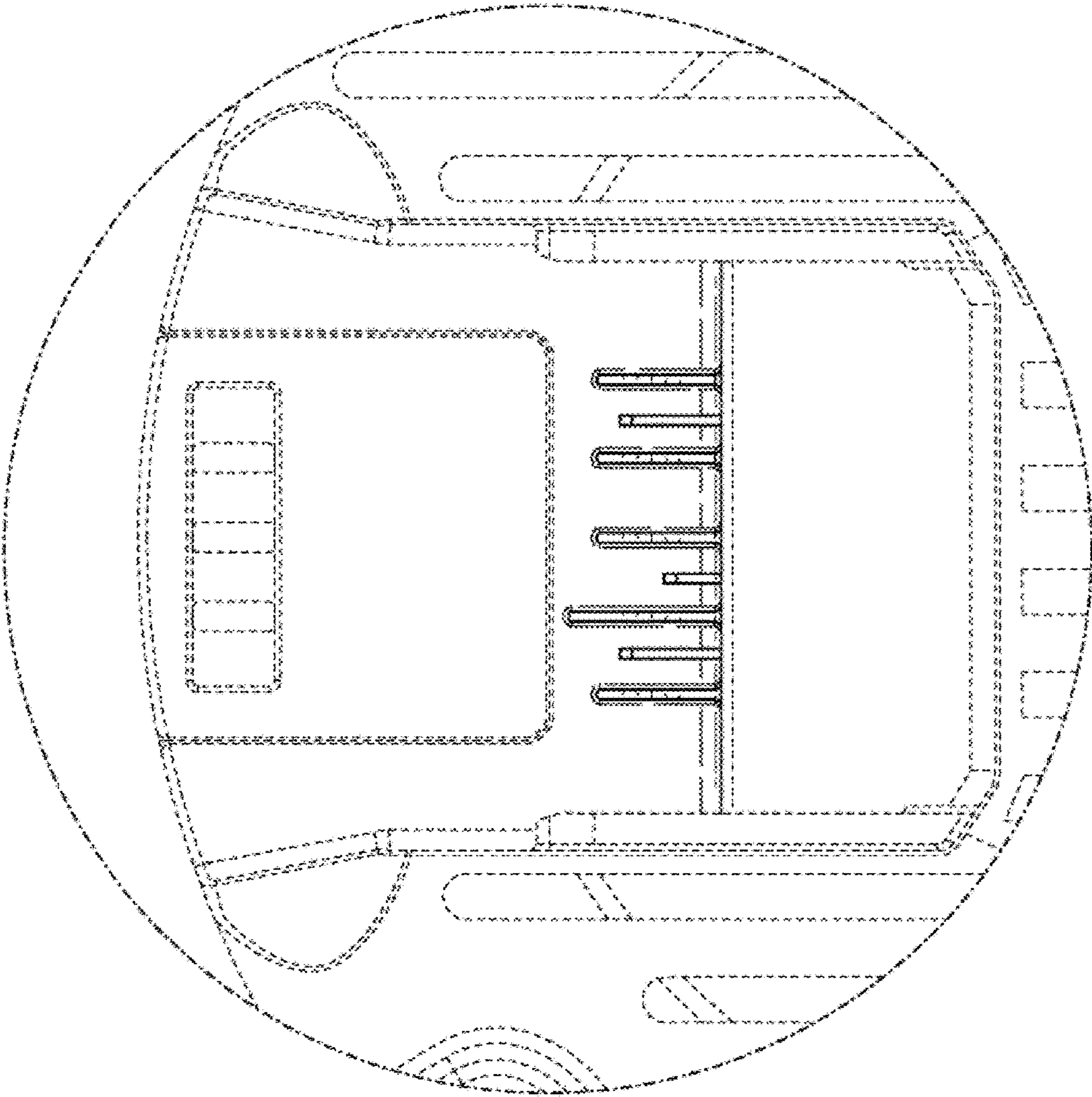


FIG. 11