

US00D877912S

(12) **United States Design Patent** (10) **Patent No.:** **US D877,912 S**
Ronan et al. (45) **Date of Patent:** **** Mar. 10, 2020**

- (54) **CABLE CONTROLLER FOR AN ELECTROCARDIOGRAM ELECTRODE PLACEMENT SYSTEM**
- (71) Applicant: **CB Innovations, LLC**, Escondido, CA (US)
- (72) Inventors: **Sean Ronan**, Carlsbad, CA (US); **Christian McClung**, Rancho Santa Fe, CA (US); **Stephen Dunphy**, Carlsbad, CA (US)
- (73) Assignee: **CB Innovations, LLC**, Escondido, CA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/647,124**
- (22) Filed: **May 9, 2018**

Related U.S. Application Data

- (63) Continuation-in-part of application No. 15/853,578, filed on Dec. 22, 2017, now Pat. No. 9,986,929.
- (51) **LOC (12) Cl.** **24-01**
- (52) **U.S. Cl.**
USPC **D24/167**
- (58) **Field of Classification Search**
USPC D24/107, 164, 165–168, 186, 187;
D10/75, 70, 98; D13/154, 156; D8/356,
D8/358
CPC A61N 1/0404; A61N 1/06; A61N 1/048;
A61B 5/0408; A61B 5/0416; A61B
5/0408; A61B 5/04085; A61B 5/04286;
A61B 5/6831; A61B 5/6832; A61B
5/6841; A61B 5/04087; A61B 2562/0209;
A61B 2562/046; A61B 2562/227
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D253,490 S * 11/1979 Reiser D24/167
D376,427 S * 12/1996 Mahoney D24/168

6,006,125 A 12/1999 Kelly et al.
6,141,575 A 10/2000 Price
6,157,851 A 12/2000 Kelly et al.
6,173,198 B1 1/2001 Schulze et al.
6,205,346 B1 3/2001 Akiva
6,219,568 B1 4/2001 Kelly et al.
6,219,569 B1 4/2001 Kelly et al.
6,360,119 B1 3/2002 Roberts
6,385,473 B1 5/2002 Haines et al.
6,400,975 B1 6/2002 McFee

(Continued)

Primary Examiner — Anhdao Doan

(74) *Attorney, Agent, or Firm* — Clause Eight IPS;
Michael Catania

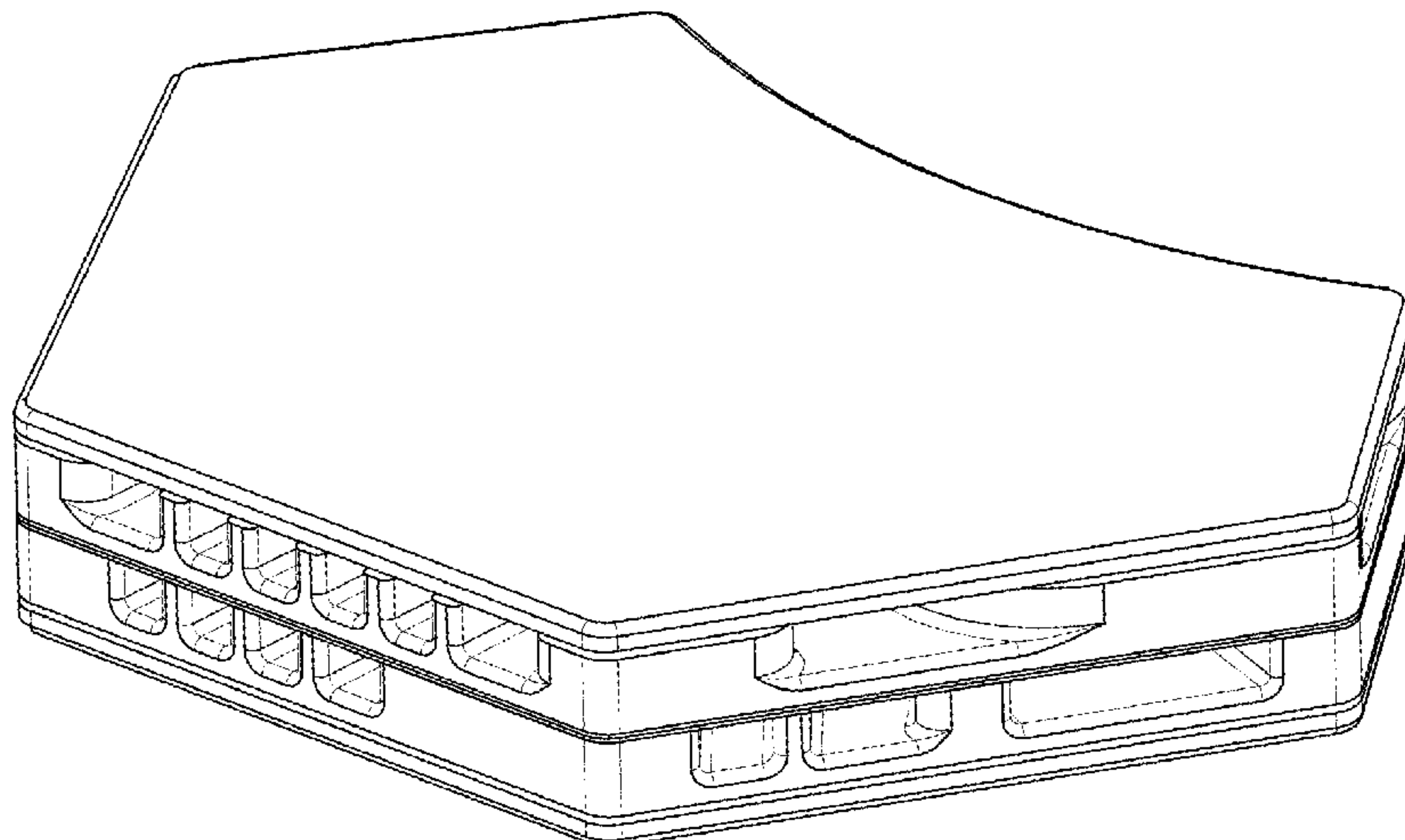
(57) **CLAIM**

The ornamental design for a cable controller for an electrocardiogram electrode placement system, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a cable controller for an electrocardiogram electrode placement system, showing our new design;
FIG. 2 is an exploded view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a side elevation view thereof;
FIG. 6 is a side elevation view thereof;
FIG. 7 is a front elevation view thereof;
FIG. 8 is a rear elevation view thereof; and,
FIG. 9 is a top plan view of the cable controller used with an electrocardiogram electrode placement system.
The broken lines in FIG. 7 illustrate portions of the cable controller that form no part of the claimed design, and the broken lines in FIG. 9 represent environmental subject matter only and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,400,977 B1	6/2002	Kelly et al.	
6,408,200 B1	6/2002	Takashina	
6,415,169 B1	7/2002	Kornrumpf et al.	
6,453,186 B1	9/2002	Lovejoy et al.	
6,456,872 B1	9/2002	Faisandier	
6,553,246 B1	4/2003	Wenger	
6,560,473 B2 *	5/2003	Dominguez	A61B 5/04085 600/382
6,567,680 B2	5/2003	Swetlik et al.	
6,611,705 B2	8/2003	Hopman et al.	
6,847,836 B1	1/2005	Sujdak	
6,973,343 B2	12/2005	Wenger	
D535,029 S *	1/2007	McAtamney	D24/167
D541,421 S *	4/2007	Metzger	D24/187
7,266,405 B1	9/2007	Alroy et al.	
7,272,428 B2	9/2007	Hopman et al.	
7,286,865 B2	10/2007	Nazeri	
7,299,084 B1	11/2007	Price	
D569,233 S *	5/2008	Kishimoto	D8/358
7,403,808 B2	7/2008	Istvan et al.	
7,444,177 B2	10/2008	Nazeri	
D582,555 S *	12/2008	Osypka	D24/167
D621,507 S *	8/2010	Romero	D13/154
7,860,557 B2	12/2010	Istvan et al.	
7,933,642 B2	4/2011	Istvan et al.	
8,180,425 B2	5/2012	Selvitelli et al.	
8,238,996 B2	8/2012	Burnes et al.	
8,251,736 B2	8/2012	McIntire et al.	
8,255,041 B2	8/2012	Istvan et al.	
8,369,924 B1	2/2013	Chang	
8,560,043 B2	10/2013	Selvitelli et al.	
8,571,627 B2	10/2013	Tremblay et al.	
8,611,980 B2	12/2013	Choe et al.	
8,620,402 B2	12/2013	Parker, III et al.	
8,626,262 B2	1/2014	McGusty et al.	
8,660,630 B2	2/2014	Chang	
8,668,651 B2	3/2014	Burnes et al.	
8,731,632 B1	5/2014	Sereboff et al.	
8,738,112 B2	5/2014	Choe et al.	
8,818,482 B2	8/2014	Phillips et al.	
8,868,152 B2	10/2014	Burnes et al.	
D717,445 S *	11/2014	Lu	D24/167
8,954,129 B1	2/2015	Schlegel et al.	
9,072,444 B2	7/2015	Burnes et al.	
9,408,547 B2	8/2016	Zhou et al.	
9,433,367 B2	9/2016	Felix et al.	
9,433,380 B1	9/2016	Bishay et al.	
D772,416 S *	11/2016	DeBord	D24/167
9,545,204 B2	1/2017	Bishay et al.	
9,545,228 B2	1/2017	Bardy et al.	
9,615,763 B2	4/2017	Felix et al.	
9,615,790 B2	4/2017	Caprio et al.	
9,642,537 B2	5/2017	Felix et al.	
9,655,537 B2	5/2017	Bardy et al.	
9,655,538 B2	5/2017	Felix et al.	
9,693,701 B2	7/2017	Simpson	
9,700,227 B2	7/2017	Bishay et al.	
9,705,239 B2	7/2017	Cheng et al.	
9,717,432 B2	8/2017	Felix et al.	
9,717,433 B2	8/2017	Felix et al.	
9,730,593 B2	8/2017	Felix et al.	
9,737,224 B2	8/2017	Bardy et al.	
9,737,226 B2	8/2017	Zhou et al.	
9,782,097 B2	10/2017	Choe et al.	
9,820,665 B2	11/2017	Felix et al.	
9,986,929 B1 *	6/2018	Dunphy	A61B 5/04085
2002/0133069 A1	9/2002	Roberts	
2003/0191401 A1	10/2003	Oury et al.	
2004/0127802 A1	7/2004	Istvan et al.	
2005/0085736 A1	4/2005	Ambrose	
2005/0113661 A1	5/2005	Nazeri et al.	
2005/0251003 A1	11/2005	Istvan et al.	
2006/0030781 A1	2/2006	Shennib	
2008/0009694 A1	1/2008	Hartman	
2008/0064970 A1	3/2008	Montplaisir	
2008/0114232 A1	5/2008	Gazit	
2010/0076295 A1	3/2010	Peterson et al.	
2011/0092835 A1	4/2011	Istvan et al.	
2012/0226131 A1	9/2012	Callahan et al.	
2014/0180054 A1	6/2014	Tremblay et al.	
2014/0296682 A1	10/2014	Wada et al.	
2015/0265177 A1	9/2015	Burnes et al.	
2016/0029906 A1	2/2016	Tompkins et al.	
2016/0302726 A1	10/2016	Chang	
2016/0367163 A1	12/2016	Bishay et al.	
2017/0027468 A1	2/2017	Huang et al.	
2017/0119305 A1	5/2017	Bardy et al.	
2017/0156615 A1	6/2017	Shirazi	
2017/0188871 A1	7/2017	Bishay et al.	
2017/0209064 A1	7/2017	Felix et al.	
2017/0238833 A1	8/2017	Felix et al.	
2017/0251946 A1	9/2017	Bardy et al.	
2017/0251948 A1	9/2017	Felix et al.	
2017/0258358 A1	9/2017	Bishay et al.	
2017/0273591 A1	9/2017	Agus et al.	
2017/0303809 A1	10/2017	Bishay et al.	
2017/0319094 A1	11/2017	Felix et al.	
2017/0319095 A1	11/2017	Felix et al.	
2019/0015004 A1 *	1/2019	Maurizi	A61B 5/02438

* cited by examiner

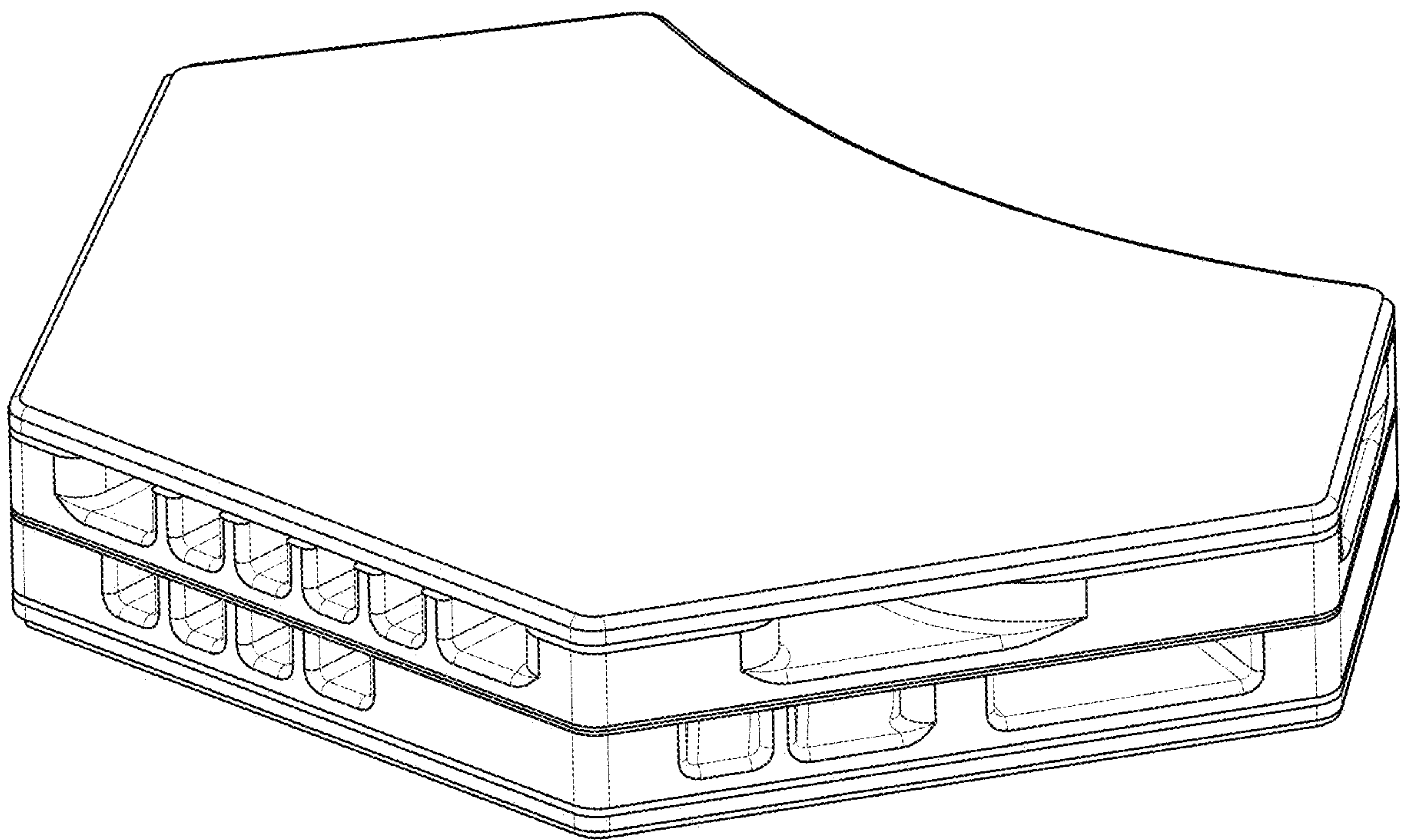


FIG. 1

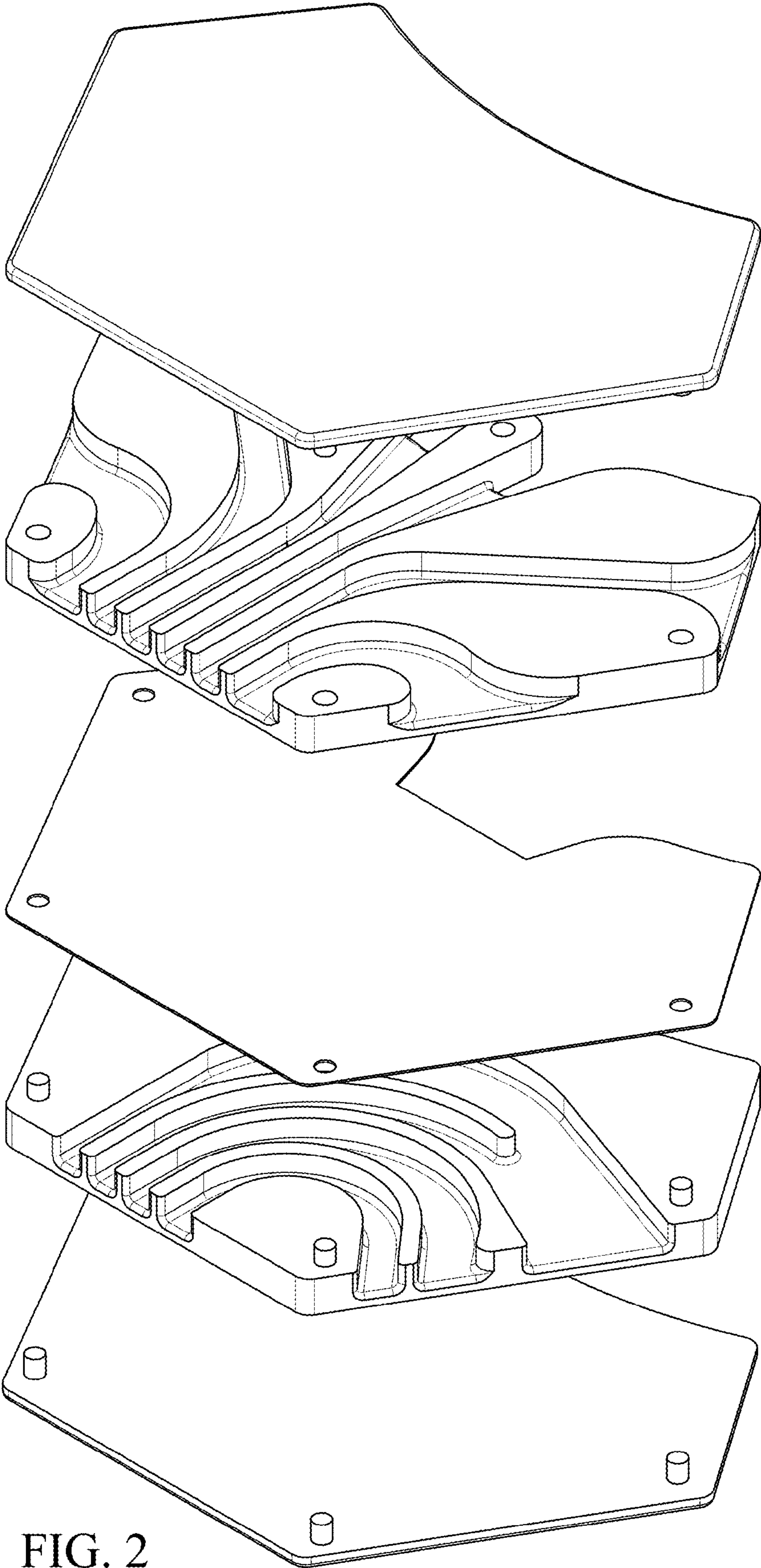


FIG. 2

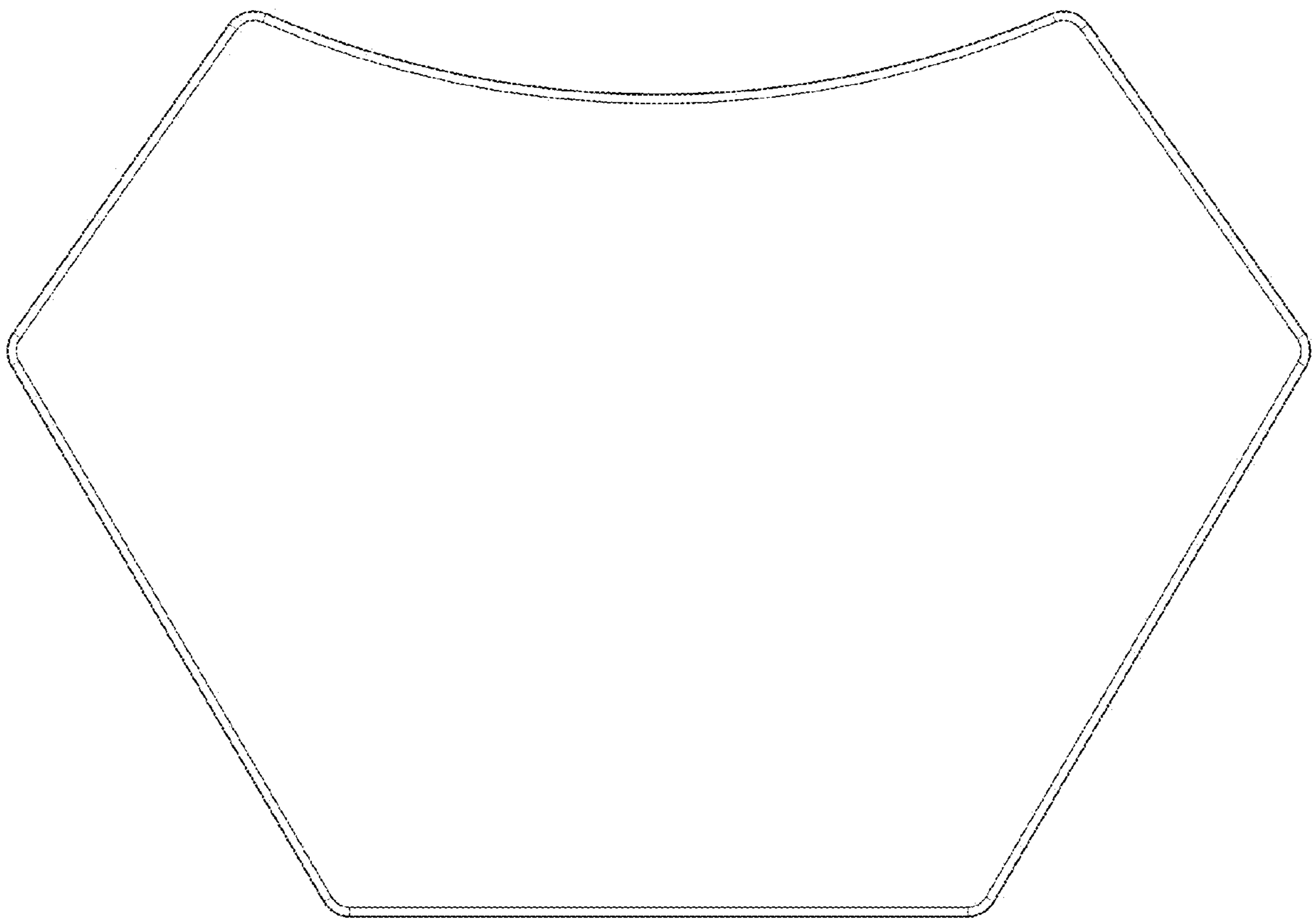


FIG. 3

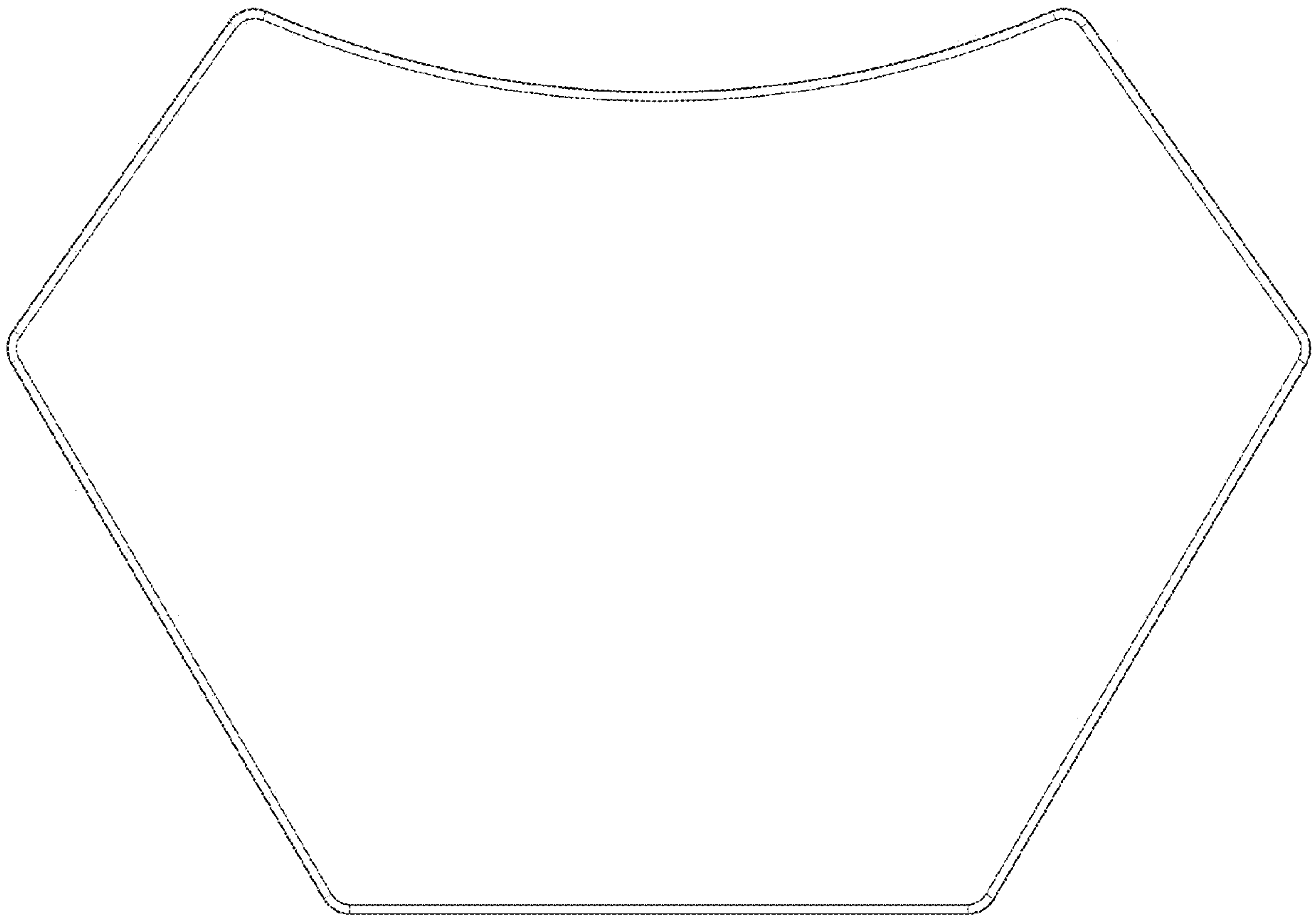


FIG. 4

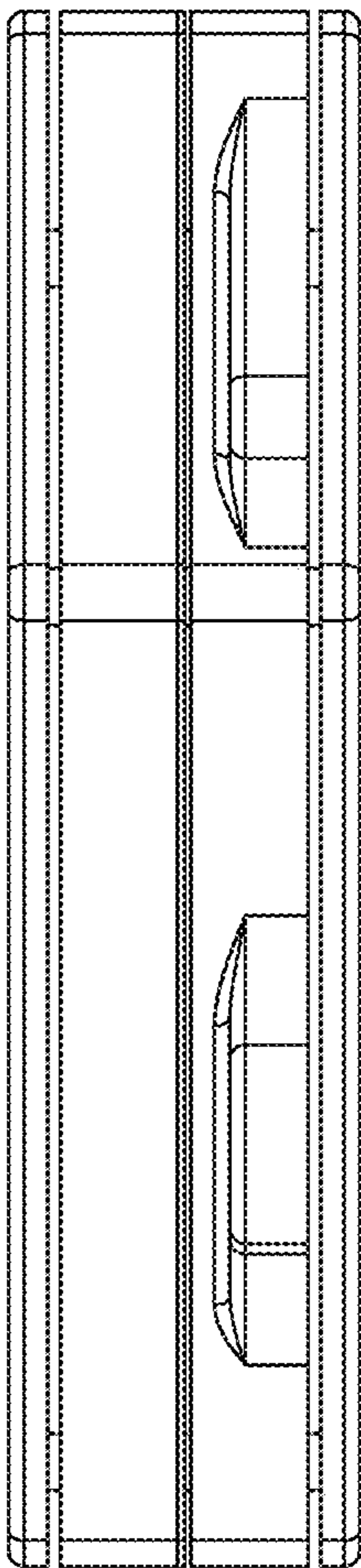


FIG. 5

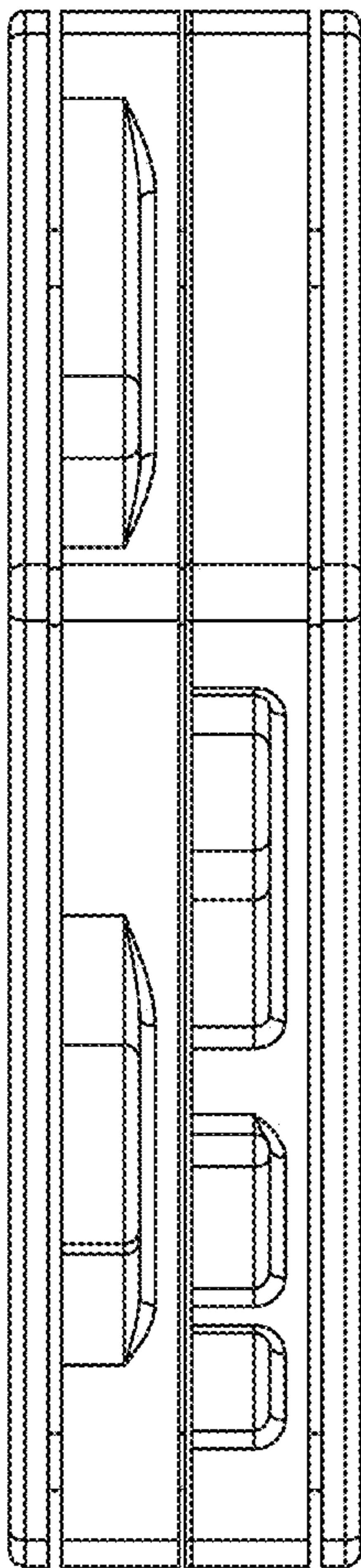


FIG. 6

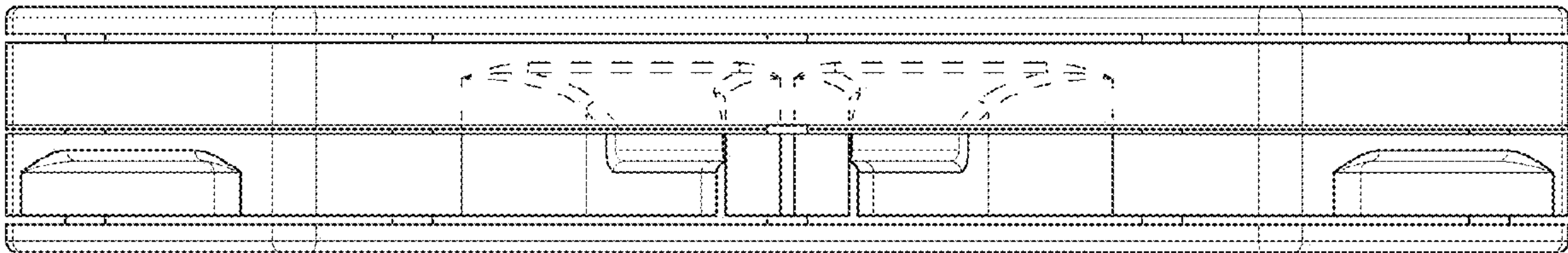


FIG. 7

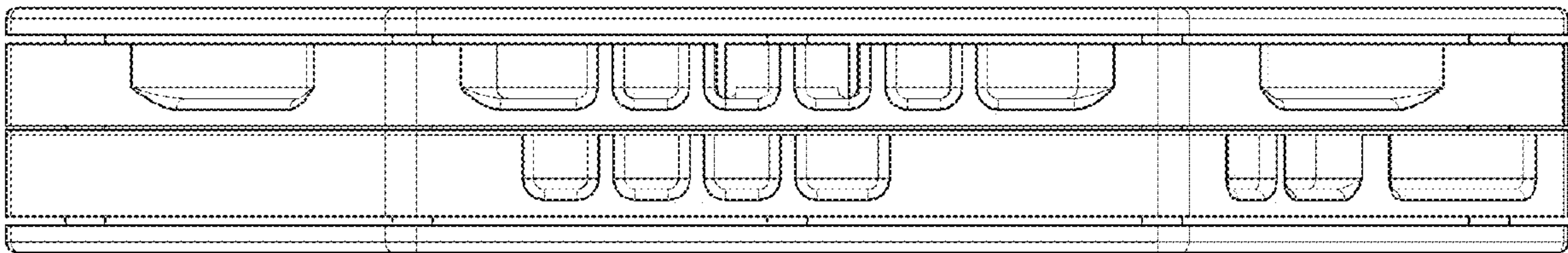


FIG. 8

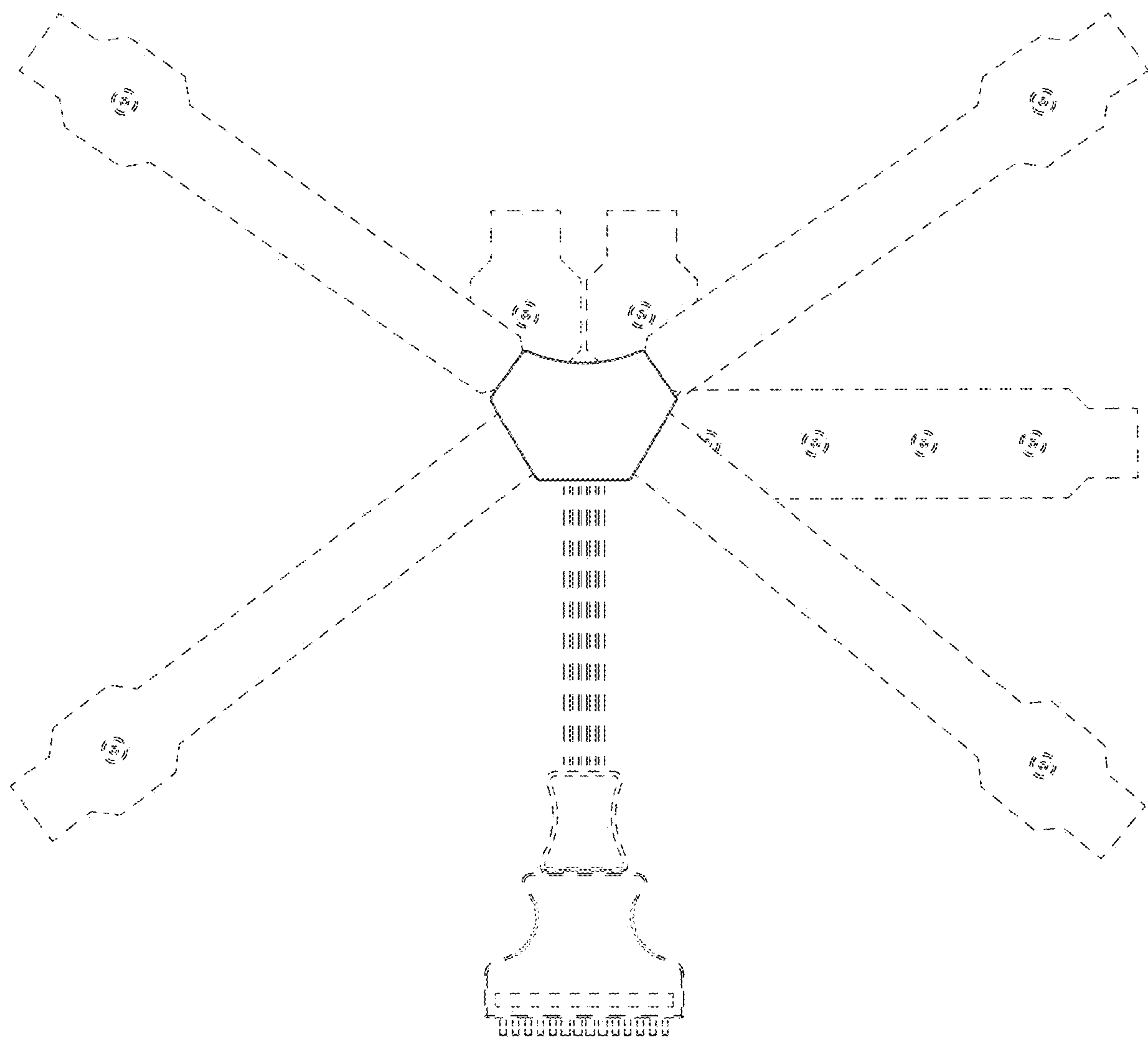


FIG. 9