US00D851525S

(12) United States Design Patent

Banhegyesi et al.

(10) Patent No.: US D851,525 S
(45) Date of Patent: ** Jun. 18, 2019

(54) **ELECTRONIC POWER METER**

(71) Applicant: **Electro Industries/Gauge Tech**, Westbury, NY (US)

(72) Inventors: **Tibor Banhegyesi**, Baldwin, NY (US); **Avi Cohen**, Great Neck, NY (US)

(73) Assignee: **Electro Industries/Gauge Tech**, Westbury, NY (US)

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

(21) Appl. No.: **29/631,892**

(22) Filed: **Jan. 3, 2018**

Related U.S. Application Data

(63) Continuation of application No. 29/556,761, filed on Mar. 3, 2016, now Pat. No. Des. 808,837, which is a continuation of application No. 29/515,225, filed on Jan. 21, 2015, now Pat. No. Des. 753,003.

(51) **LOC (11) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/99**; D10/100; D10/103

(58) **Field of Classification Search**
USPC D10/99, 100, 102, 103
CPC G01R 22/00; G01R 22/06; G01R 22/061; G01R 22/08; G01R 22/10; G01R 22/065; G01R 21/00; G01R 21/06; G01R 21/133; G01R 21/1331; G01R 21/1333; G01R 21/1335; G01R 21/1336; G01R 21/1338; G01R 11/14; G01F 1/662; G01F 1/40; G01F 1/42; G01F 1/44; G01F 1/46; G01F 1/06; G01F 1/07; G01F 1/10; G01F 3/02; G01F 3/12; G01F 15/063; G01F 15/06; G01F 15/14; G01F 15/18; Y10T 137/0413; Y10T 137/2224; Y10T 137/6851; Y10T 137/6966; Y10T 137/6969; Y10T 137/6973; Y10T 137/8158; Y10T 137/6995; E02D 29/14; E02D 29/1472; H02B 1/03; H02B 1/06; H02B 1/063; H02B 1/066
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D56,045	S	8/1920	White
D76,149	S	2/1924	Olsen
1,705,301	A	3/1929	Miller
D187,740	S	4/1960	Littlejohn

(Continued)

OTHER PUBLICATIONS

BE1-951 Multifunction Protection System, Basler Electric, Sep. 2012 pp. 1-12.

(Continued)

Primary Examiner — Antoine D Davis
(74) *Attorney, Agent, or Firm* — Gerald E. Hespos; Michael J. Porco; Matthew T. Hespos

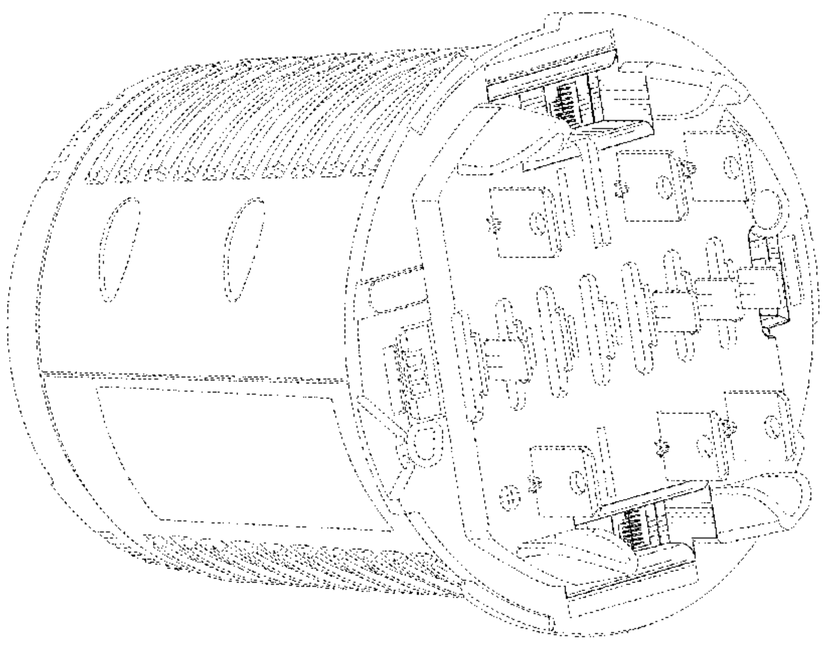
(57) **CLAIM**

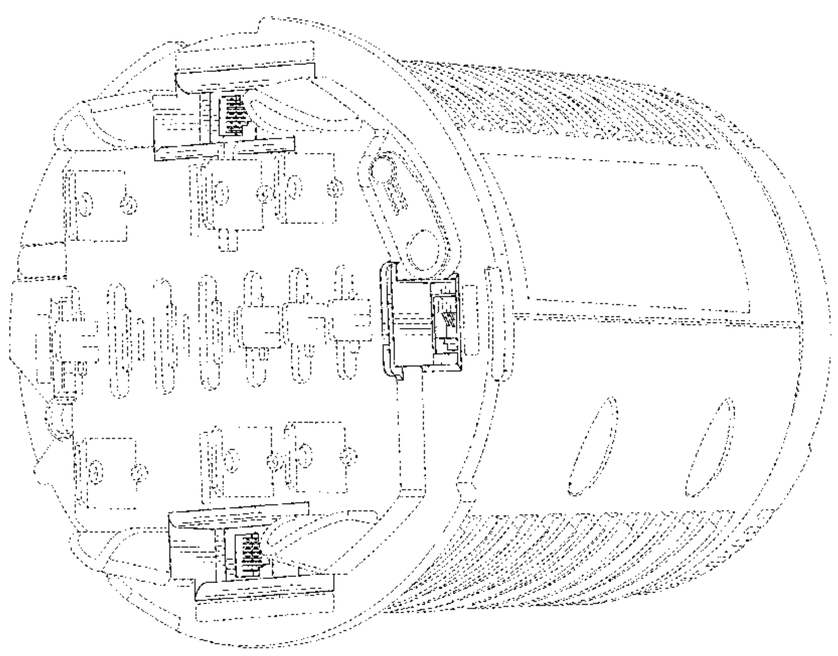
The ornamental design for an electronic power meter, as shown and described.

DESCRIPTION

FIG. **1** is a front, left perspective view of an electronic power meter showing our new design;
FIG. **2** is a rear, left perspective view thereof;
FIG. **3** is a rear, right perspective view thereof;
FIG. **4** is a front elevational view thereof;
FIG. **5** is a rear elevational view thereof;
FIG. **6** is a left side elevational view thereof;
FIG. **7** is a right side elevational view thereof;
FIG. **8** is a top plan view thereof; and,
FIG. **9** is a bottom plan view thereof.
The broken lines are for the purpose of illustrating portions of the electronic power meter and form no part of the claimed design.

1 Claim, 9 Drawing Sheets





(56) **References Cited**

U.S. PATENT DOCUMENTS

D199,808	S	12/1964	Gazzam, III	
D201,100	S	5/1965	Little et al.	
D241,006	S	8/1976	Wallace	
3,989,334	A	11/1976	Fortino	
D273,574	S	4/1984	Overs	
4,609,247	A	9/1986	Annoot	
5,014,213	A	5/1991	Edwards et al.	
D332,923	S	2/1993	Polydoris et al.	
D343,786	S	2/1994	Hines et al.	
D348,019	S	6/1994	Kocol et al.	
D366,434	S	1/1996	Brown, III et al.	
5,581,470	A	12/1996	Pawloski	
D381,281	S	7/1997	Miller	
5,897,661	A	4/1999	Baranovsky et al.	
D427,533	S	7/2000	Cowan et al.	
D429,655	S	8/2000	Cowan et al.	
D435,471	S	12/2000	Simbeck et al.	
6,183,274	B1	2/2001	Allum	
6,186,842	B1	2/2001	Hirschbold et al.	
D439,535	S	3/2001	Cowan et al.	
D443,541	S	6/2001	Hancock et al.	
D455,066	S	4/2002	Kolinen	
D458,863	S	6/2002	Harding et al.	
D459,259	S	6/2002	Harding et al.	
6,476,595	B1	11/2002	Heuell et al.	
6,476,729	B1	11/2002	Liu	
6,513,091	B1	1/2003	Blackmon et al.	
6,654,842	B1	11/2003	Park	
6,737,855	B2	5/2004	Huber et al.	
6,745,138	B2	6/2004	Przydatek et al.	
6,792,364	B2	9/2004	Jonker et al.	
6,798,191	B1	9/2004	Macfarlane et al.	
6,885,185	B1	4/2005	Makinson et al.	
6,983,211	B2	1/2006	Macfarlane et al.	
7,009,379	B2	3/2006	Ramirez	
D525,893	S	8/2006	Kagan et al.	
D526,920	S	8/2006	Kagan et al.	
D545,181	S	6/2007	Kagan et al.	
7,256,709	B2	8/2007	Kagan	
7,265,532	B2	9/2007	Karanam et al.	
7,271,996	B2	9/2007	Kagan et al.	
7,274,187	B2	9/2007	Loy	
7,417,419	B2	8/2008	Tate	
7,554,320	B2	6/2009	Kagan	
D615,895	S	5/2010	Beattie	
7,868,782	B2	1/2011	Ehrke et al.	
D642,083	S	7/2011	Blanc et al.	
7,994,934	B2	8/2011	Kagan	
D653,572	S	2/2012	Ohtani et al.	
8,176,174	B2	5/2012	Kagan	
D666,933	S	9/2012	Hoffman et al.	
8,310,403	B2	11/2012	Nahar	
8,325,057	B2	12/2012	Salter	
D682,720	S	5/2013	Kagan et al.	
D682,721	S	5/2013	Kagan et al.	
8,587,949	B2	11/2013	Banhegyesi et al.	
D695,207	S	12/2013	Dams	
D703,077	S	4/2014	Kagan et al.	
D703,563	S	4/2014	Kagan et al.	
8,717,007	B2	5/2014	Banhegyesi	
D706,659	S	6/2014	Banhegyesi et al.	
D706,660	S	6/2014	Banhegyesi et al.	
D708,082	S	7/2014	Banhegyesi et al.	
D708,533	S	7/2014	Banhegyesi et al.	
D712,289	S	9/2014	Kagan et al.	
D712,290	S	9/2014	Kagan et al.	
D712,291	S	9/2014	Kagan et al.	
D753,003	S	4/2016	Banhegyesi et al.	
9,921,245	B2 *	3/2018	Loy	G01R 11/04
10,066,999	B2 *	9/2018	Loy	G01K 1/14
2001/0027500	A1	10/2001	Matsunaga	
2002/0162014	A1	10/2002	Przydatek et al.	
2003/0175025	A1	9/2003	Wantanabe et al.	
2004/0138786	A1	7/2004	Blackett et al.	
2004/0193329	A1	9/2004	Ransom et al.	
2005/0273281	A1	12/2005	Wall et al.	
2006/0070416	A1	4/2006	Teratani	
2007/0067119	A1	3/2007	Loewen et al.	
2012/0010831	A1	1/2012	Kagan	
2014/0180613	A1	6/2014	Banhegyesi et al.	

OTHER PUBLICATIONS

Nexus 1262/1272 High Performance Utility Billing Meters With Communication & Advanced Power Quality, Electro Industries/Gaugetech, Jun. 21, 2012 pp. 1-12.

Jemstar High Accuracy Revenue Meter for Generation, Transmission, and Industrial Power Measurement, Ametek Power Instruments, 2012, pp. 1-2.

Jemstar Retrofit for Generation, Transmission, and Industrial Power Measurement, Ametek Power Instruments, 2007, pp. 1-2.

Mark-V EMS60 Intelligent Energy Meter, Advanced High-Accuracy Meter With Integrated Data Telemetry Solutions and Power Quality Monitoring, Transdata Energy Metering and Automation, 2010, pp. 1-2.

Nexus 1262/1272 Switchboard Meter Quick Start, Electro Industries-Gaugetech, Aug. 31, 2012, pp. 1-4.

Powerlogic ION8650, Schneider Electric, 2011, pp. 1-12.

IEEE Standard Common Format for Transient Data Exchange, Oct. 15, 1999, IEEE, pp. 1-55.

Power Quality Standards Coordinating Committee, IEEE P1159.3/D9 Draft: Recommended Practice for the Transfer of Power Quality Data, Aug. 1, 2002, IEEE Standards Activities Department, pp. 1-129.

Anderson, D., USB System Architecture, Nov. 2000, Addison-Wesley Professional, 9th Printing, pp. 22-23.

* cited by examiner

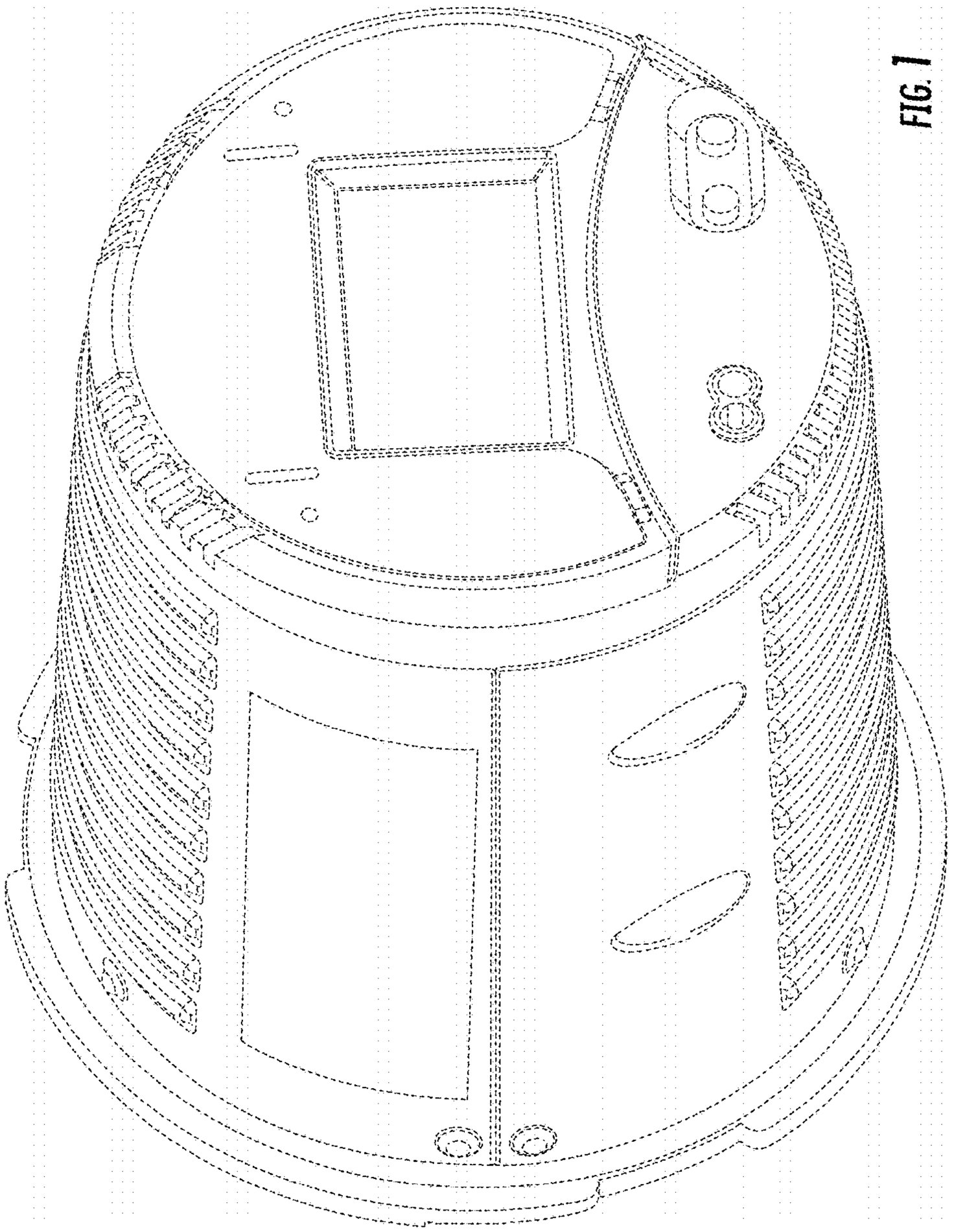


FIG. 1

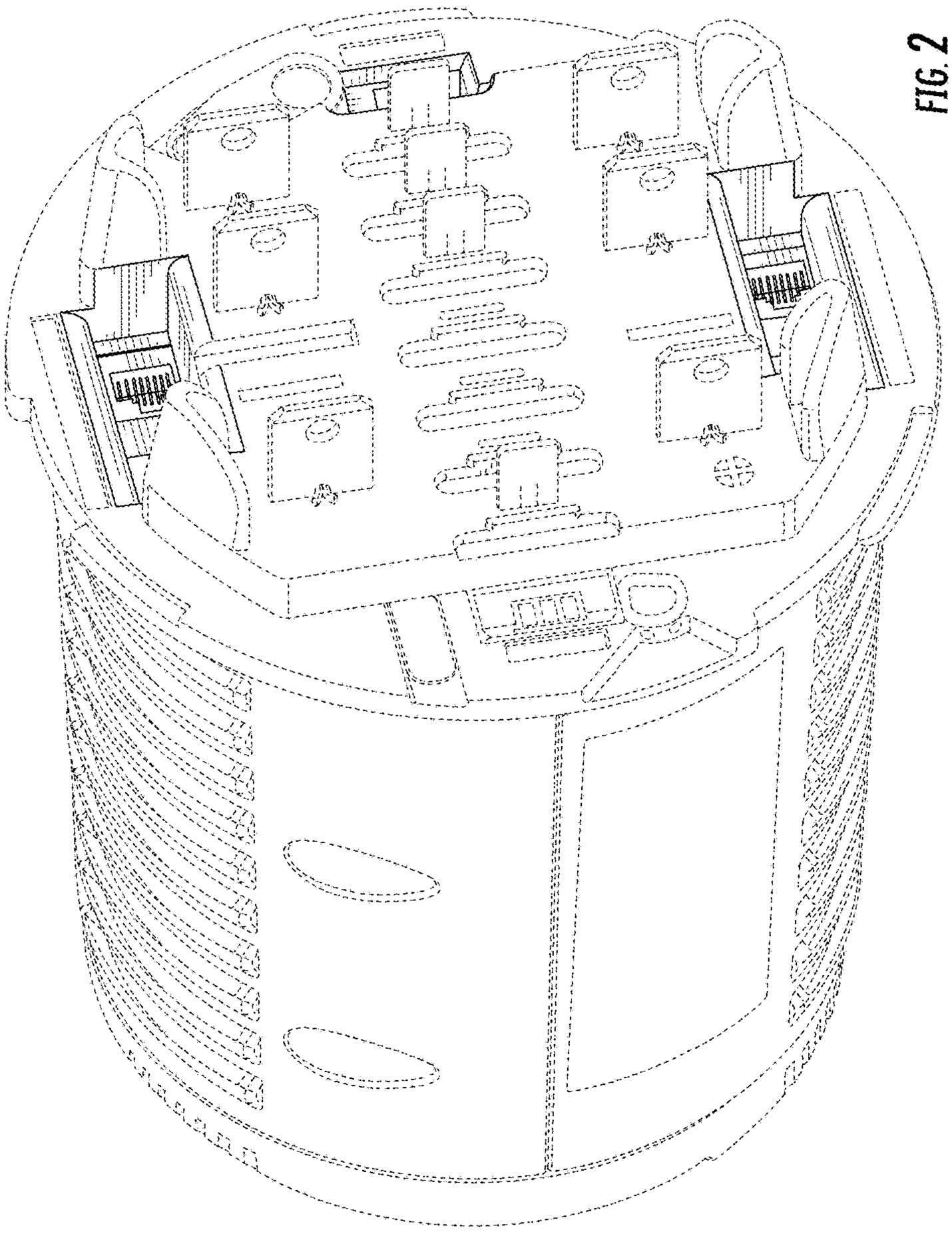


FIG. 2

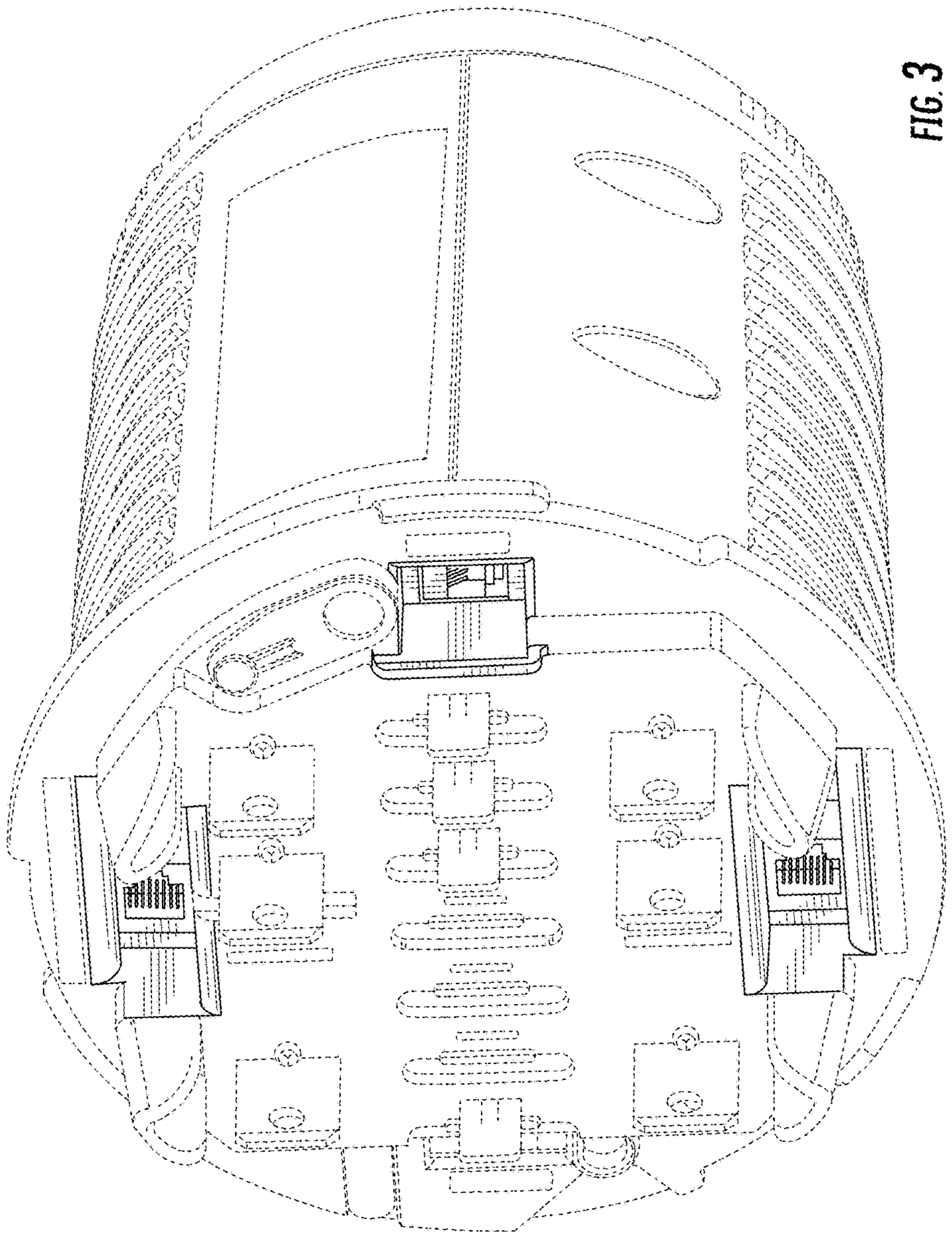


FIG. 3

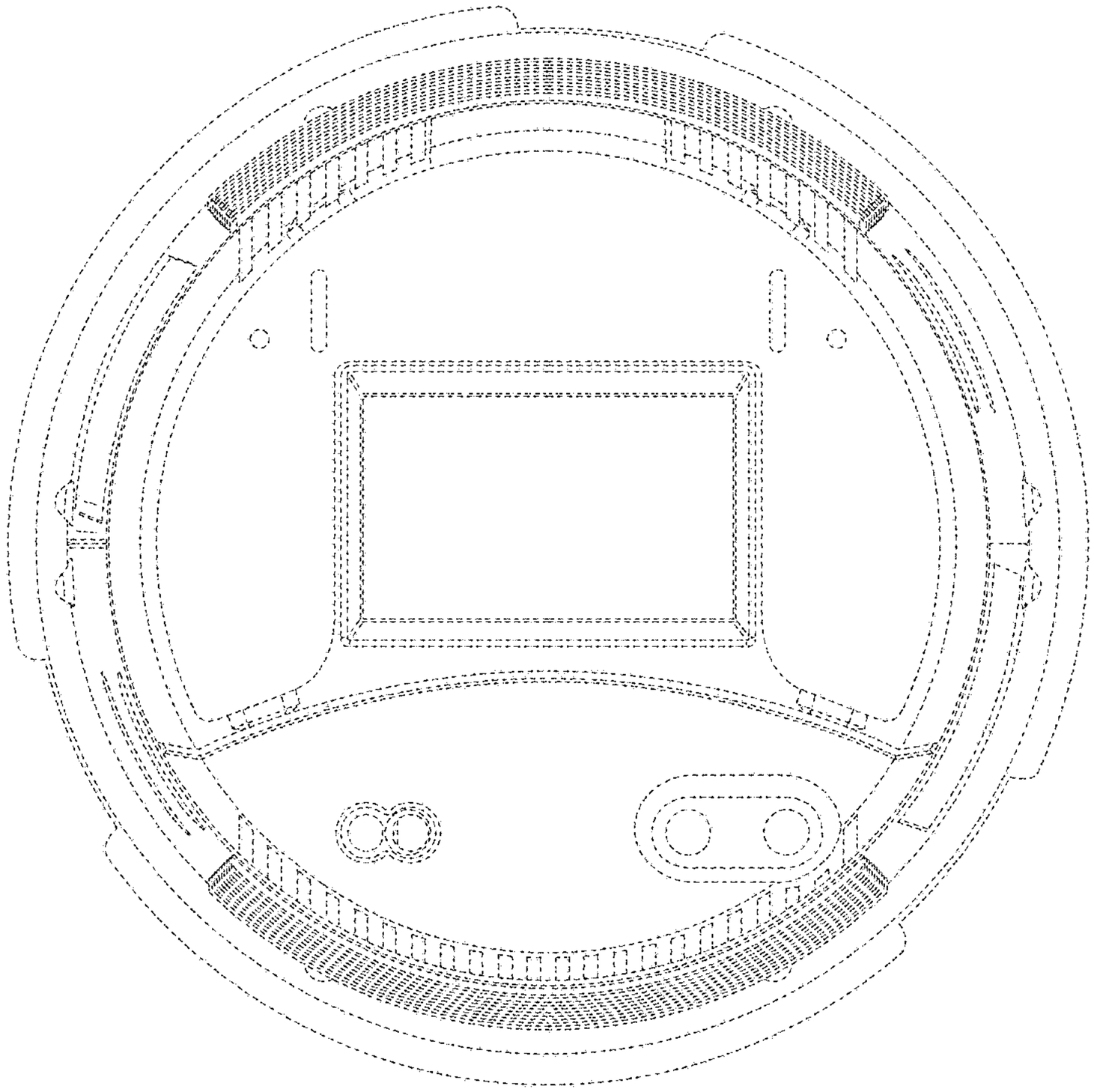


FIG. 4

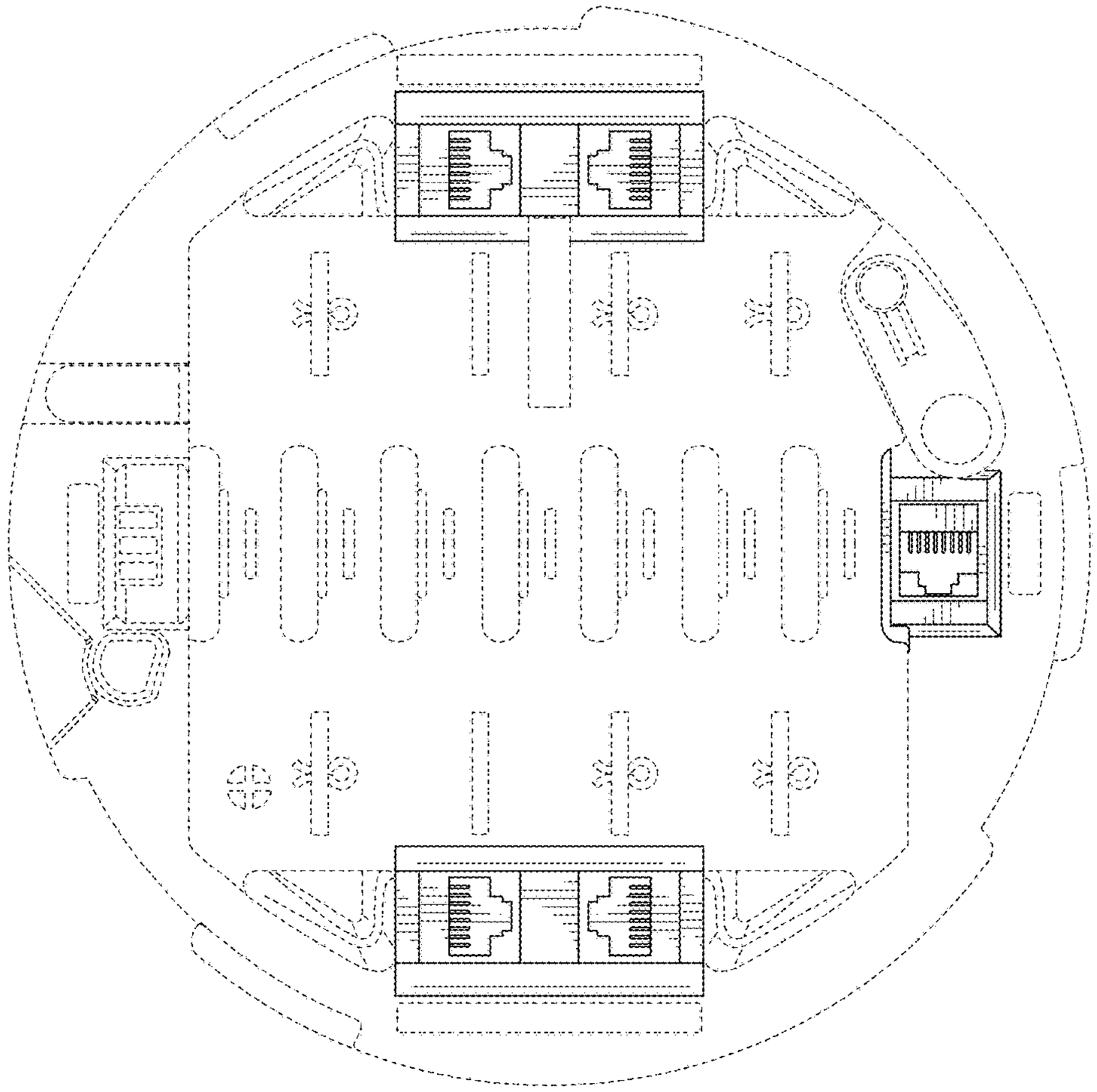


FIG. 5

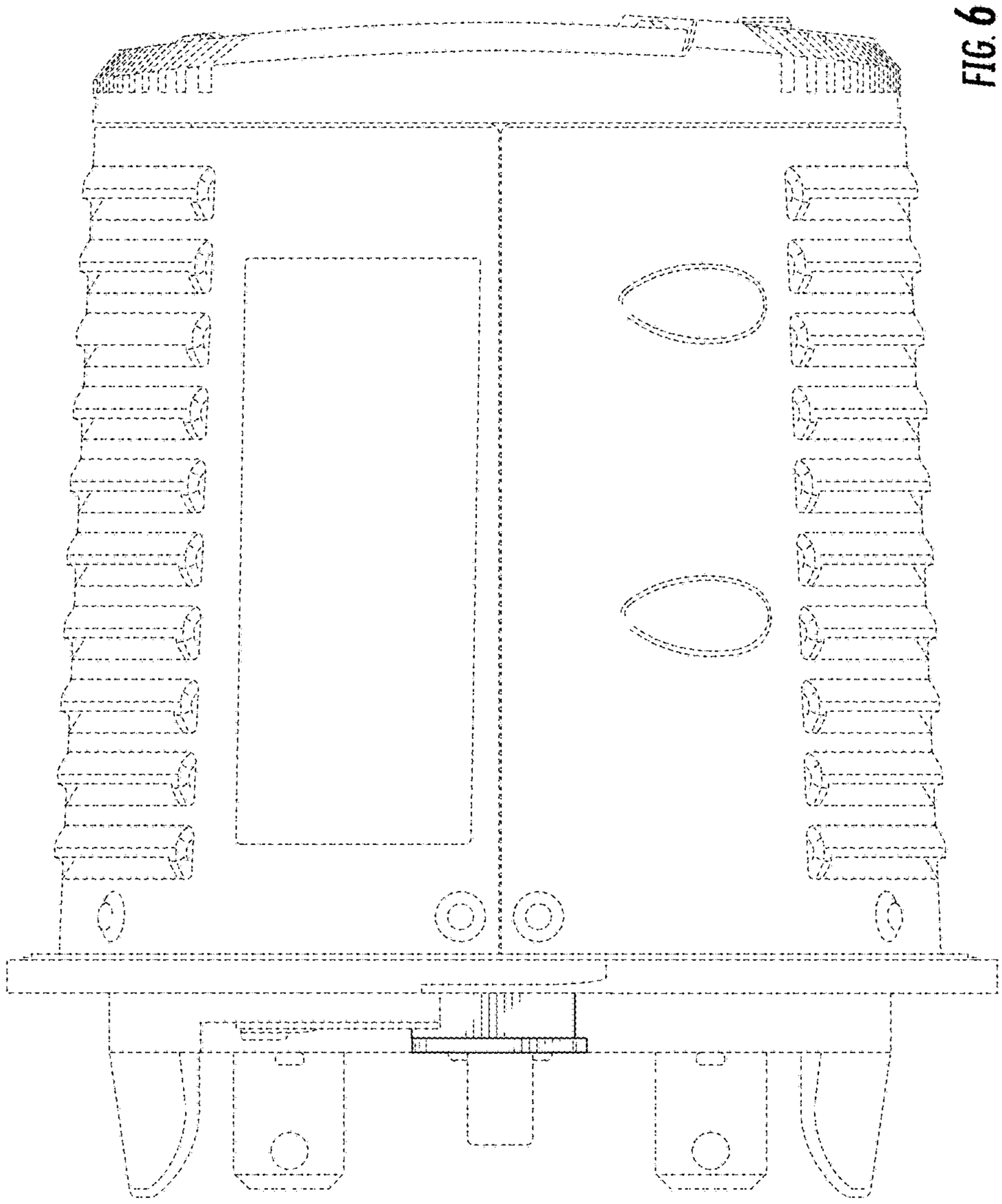


FIG. 6

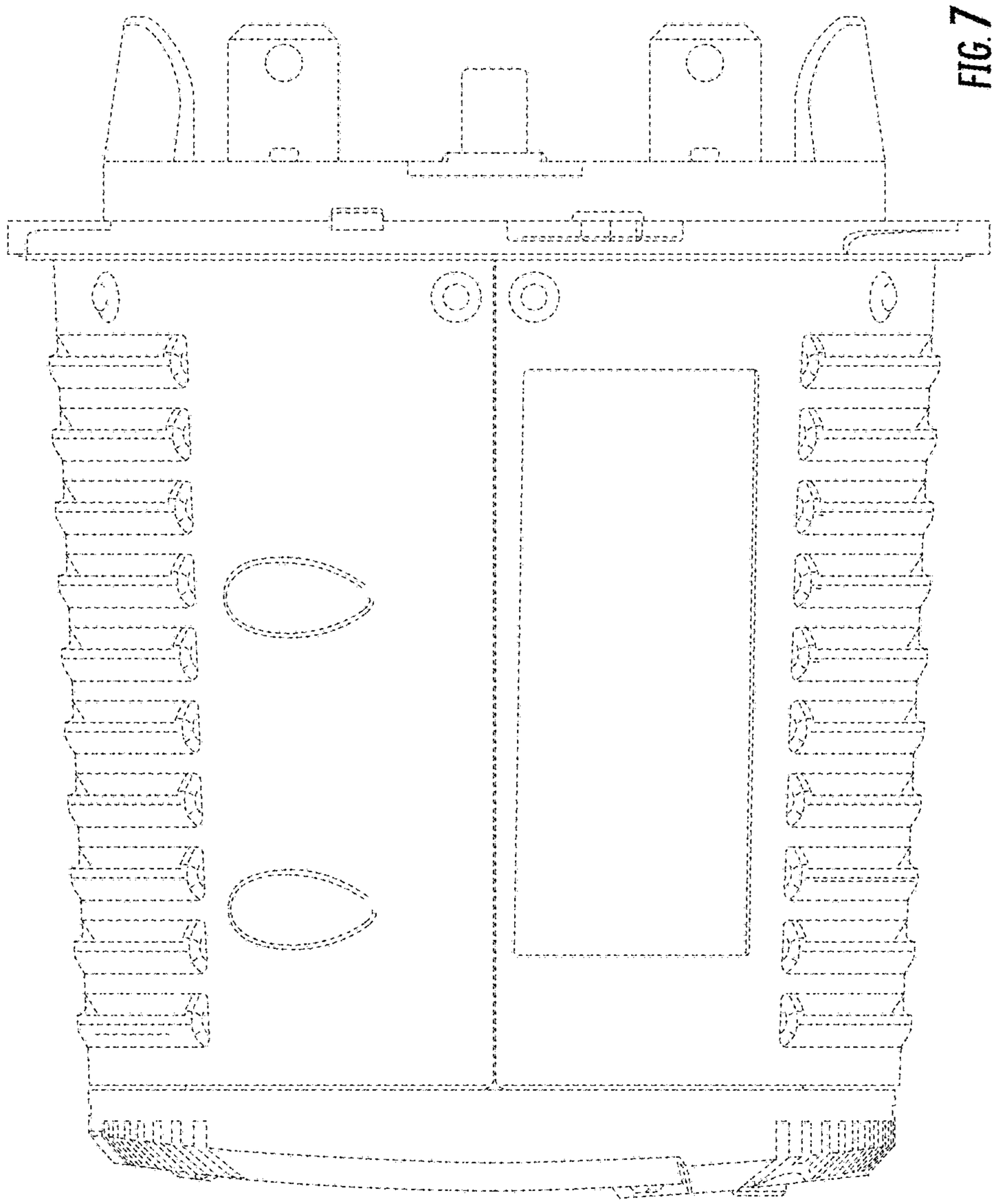


FIG. 7

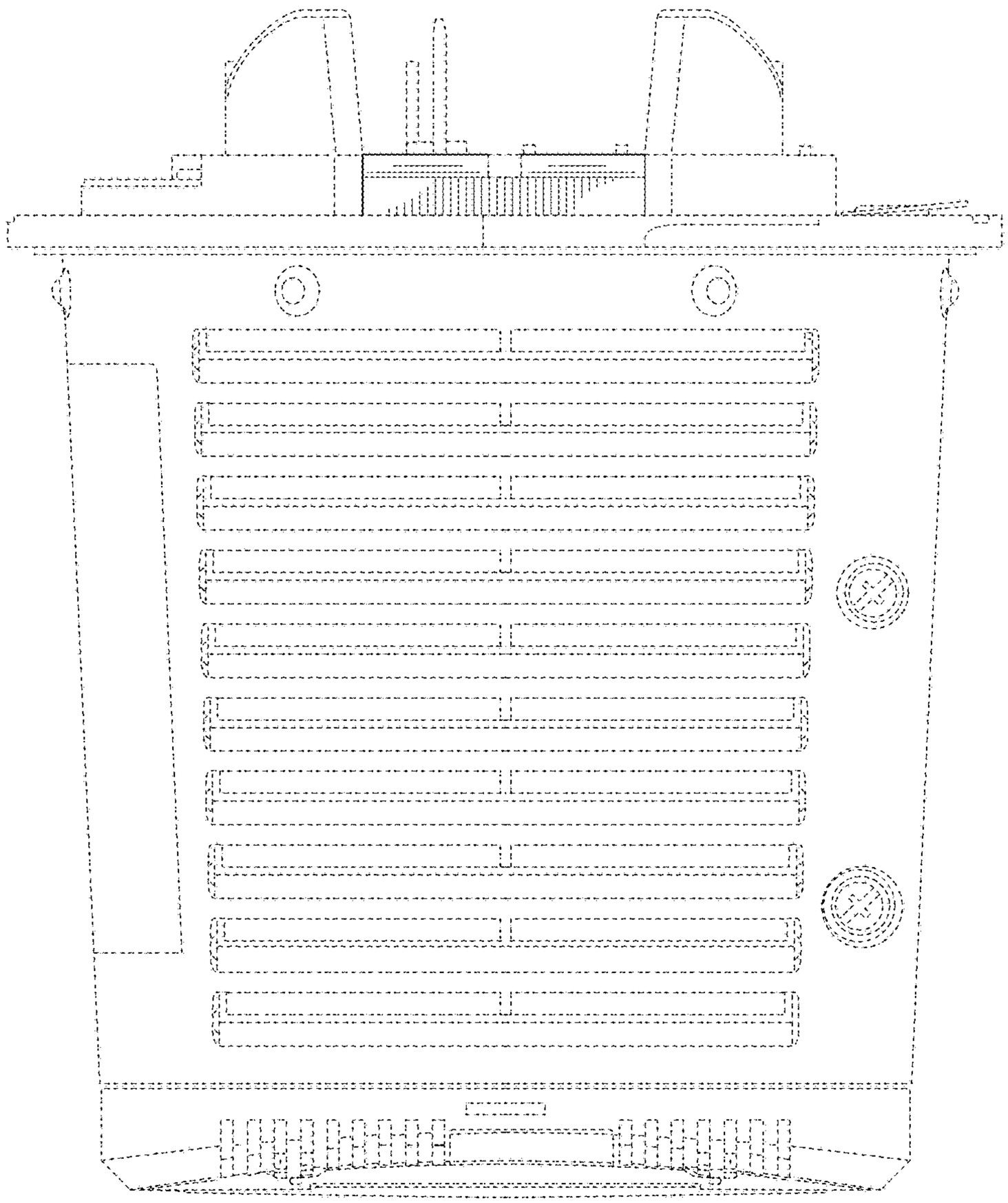


FIG. 8

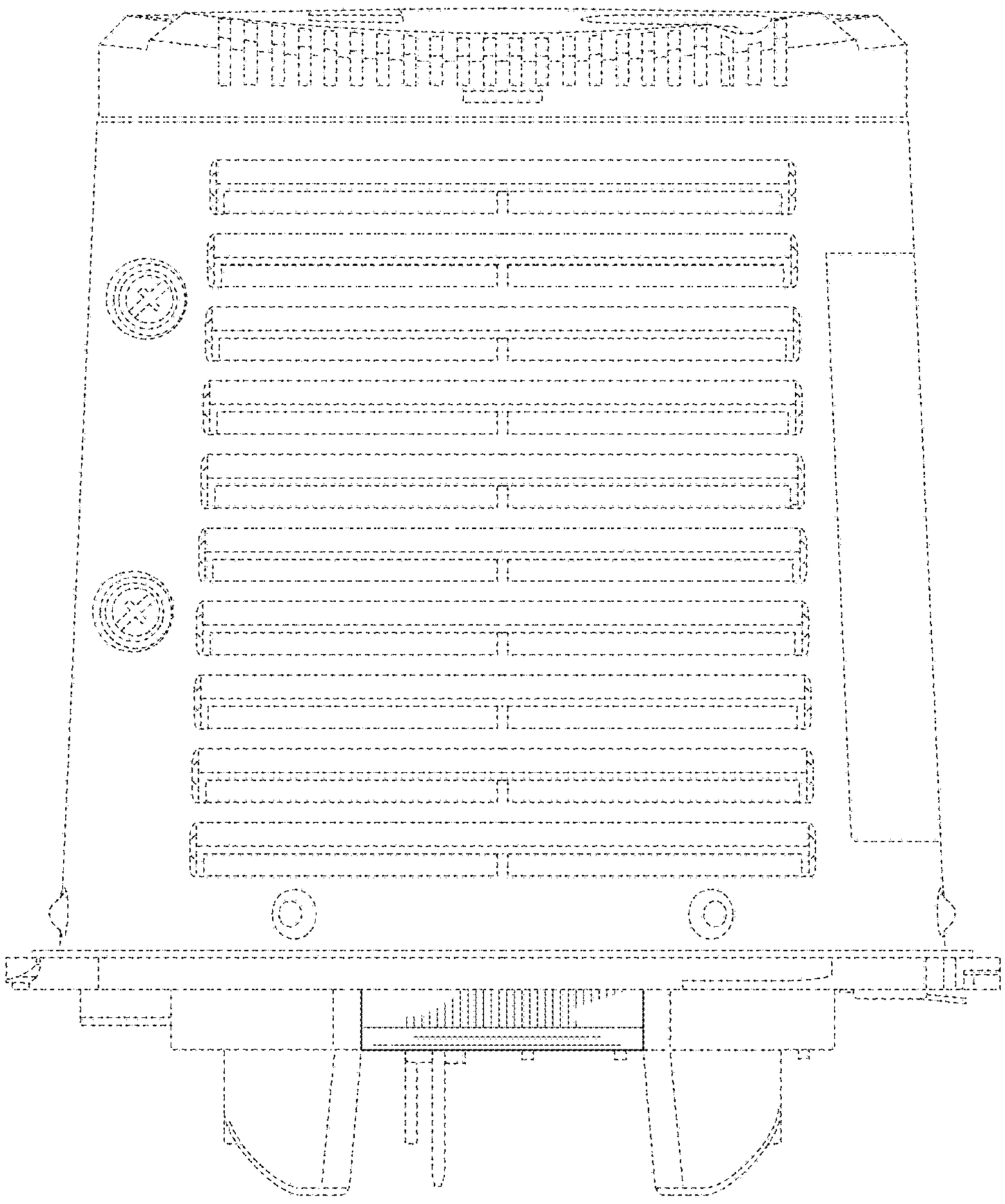


FIG. 9