US00D980199S

(12) United States Design Patent

Man

(10) Patent No.: US D980,199 S
(45) Date of Patent: ** Mar. 7, 2023

(54) **ANTENNA FOR RADIO FREQUENCY TAG READER**

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

(21) Appl. No.: **29/795,416**

(22) Filed: **Jun. 17, 2021**

(30) **Foreign Application Priority Data**

Dec. 17, 2020 (HK) 2017278.1

(51) **LOC (14) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D14/230**

(58) **Field of Classification Search**
USPC D14/230, 218, 18, 231–239, 299, 358, D14/138; D10/65–70; D22/144; D8/20, D8/92, 391; D25/27; D13/182
CPC H01Q 7/00; H01Q 9/285; H01Q 19/30; H01Q 19/12; H01Q 1/36; H01Q 1/38; H01Q 1/0475; H01Q 1/034; H05K 11/00; G05D 1/0234; G06K 19/07749
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,990,849	A	*	11/1999	Salvail	H01Q 9/27 343/729
D711,859	S	*	8/2014	Man	D14/230
D759,635	S	*	6/2016	Forster	D14/230
D769,228	S	*	10/2016	Gillon	D14/230
D817,936	S	*	5/2018	Yokoi	D14/230
D826,185	S	*	8/2018	Kosugi	D13/182
D841,629	S	*	2/2019	Man	D14/230
D876,403	S	*	2/2020	Keyrouz	D14/230
D877,723	S	*	3/2020	Keyrouz	D14/230
D895,586	S	*	9/2020	Howard	D14/230

(Continued)

FOREIGN PATENT DOCUMENTS

CN	306422548	*	3/2021
CN	306479542	*	6/2021

(Continued)

OTHER PUBLICATIONS

Yarongtech, "UHF RFID Tag . . . ", available at amazon.com, date first available Oct. 27, 2015, site visited Dec. 21, 2022, available at URL: https://a.co/d/5ewDobN (Year: 2015).*

(Continued)

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Assistant Examiner — Samina Vieth

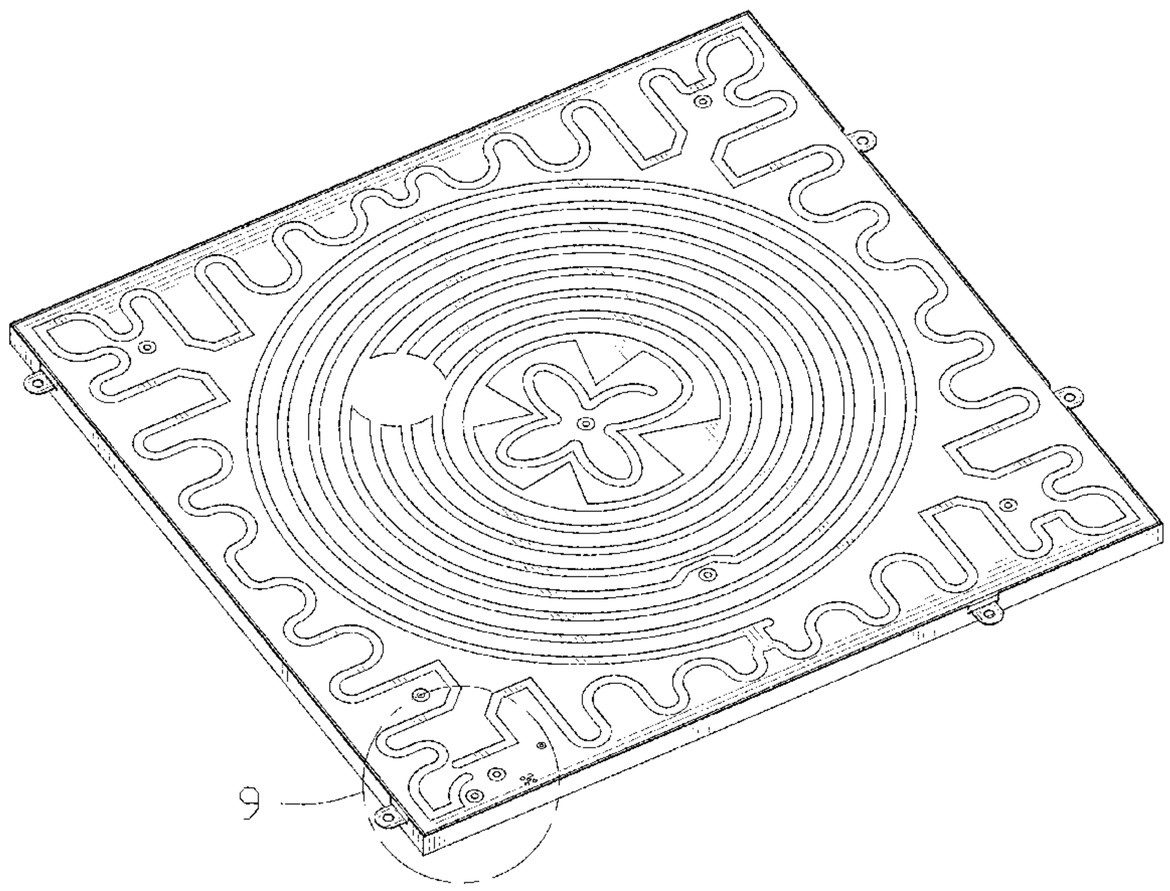
(57) **CLAIM**

The ornamental design for an antenna for radio frequency tag reader, as shown and described.

DESCRIPTION

FIG. **1** is a bottom, front and left side perspective view of an antenna for radio frequency tag reader showing my new design;
FIG. **2** is a bottom, rear and right side perspective view thereof;
FIG. **3** is a left side view thereof;
FIG. **4** is a right side view thereof;
FIG. **5** is a top plan view thereof;
FIG. **6** is a bottom plan view thereof;
FIG. **7** is a front elevational view thereof;
FIG. **8** is a rear elevational view thereof; and,
FIG. **9** is an enlarged view of portion **9** in FIG. **1**.
The broken lines in the drawings indicate where the enlarged view has been taken.

1 Claim, 9 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D954,691	S *	6/2022	Atojoko	D14/230
2010/0053010	A1 *	3/2010	Shtrom	H01Q 21/062 343/834
2013/0300611	A1 *	11/2013	Chou	H01Q 1/36 343/700 MS
2018/0083354	A1 *	3/2018	Kushta	H01Q 1/38

FOREIGN PATENT DOCUMENTS

CN	307125503	*	2/2022
CN	307360902	*	5/2022
GB	6226045	*	9/2022

OTHER PUBLICATIONS

Impinj, "H47 RFID Wet Inlay . . . " available at amazon.com, date first available Aug. 11, 2015, site visited Dec. 21, 2022, available at URL: https://a.co/d/20oZFqM (Year: 2015).*

* cited by examiner

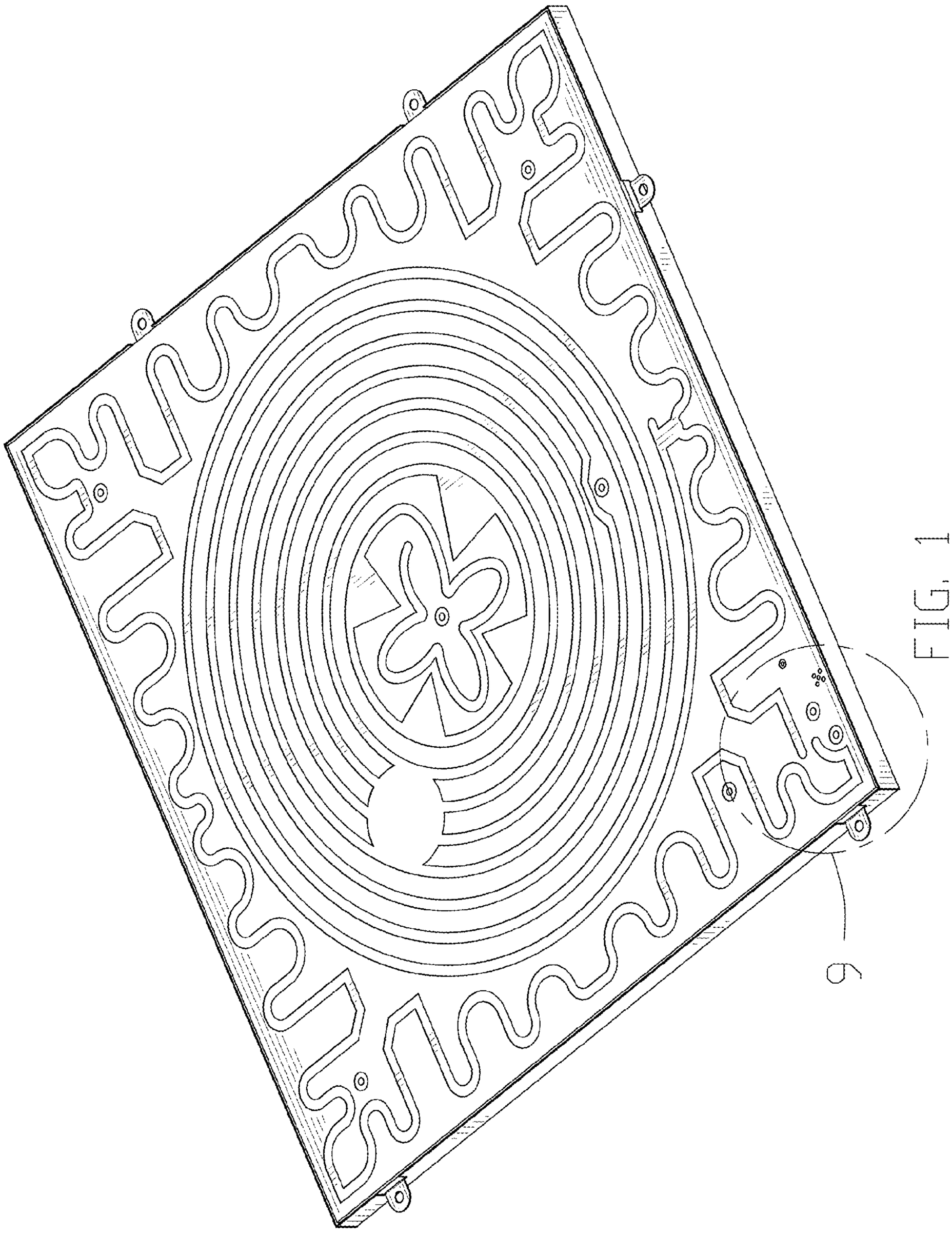


FIG. 1

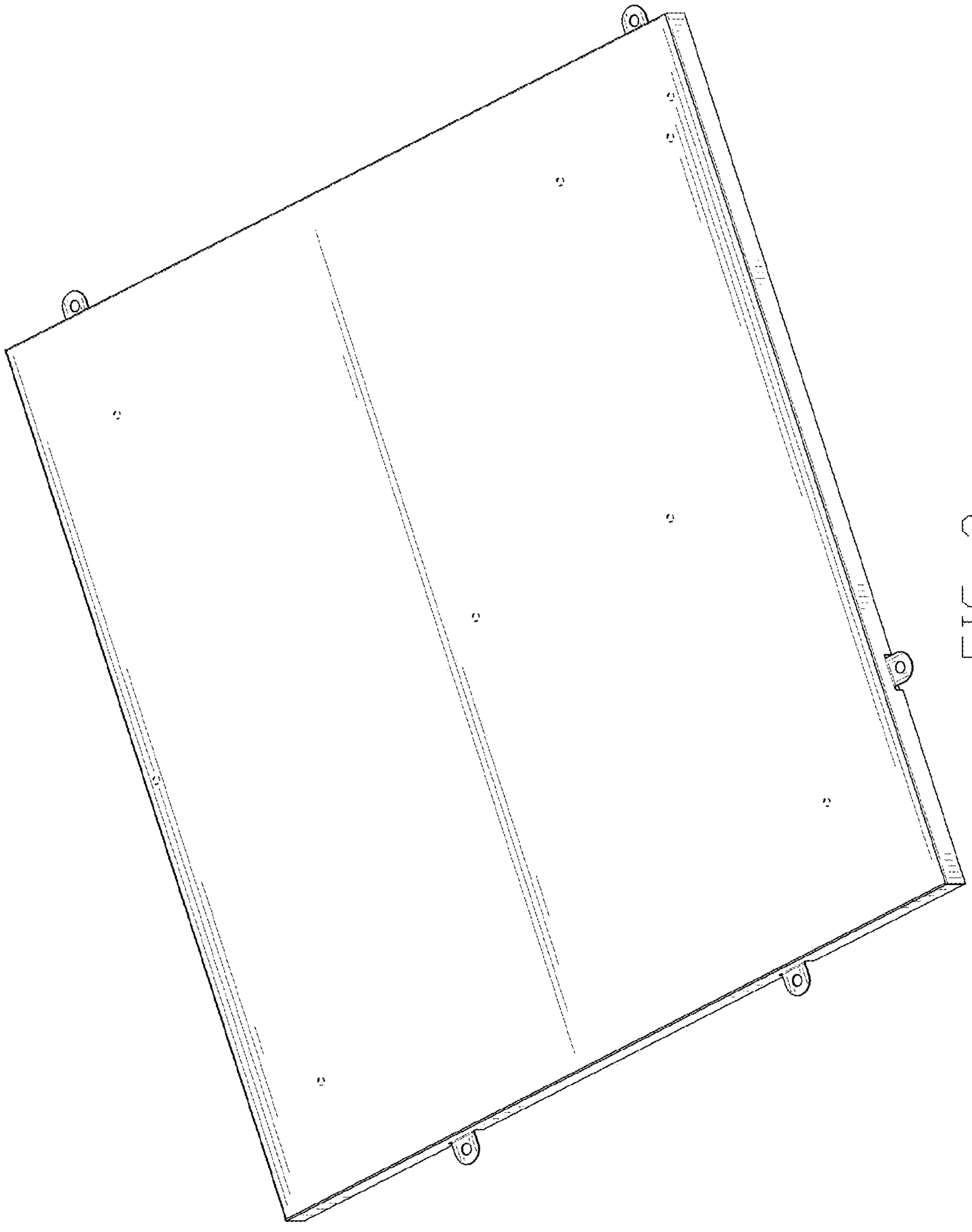


FIG. 2

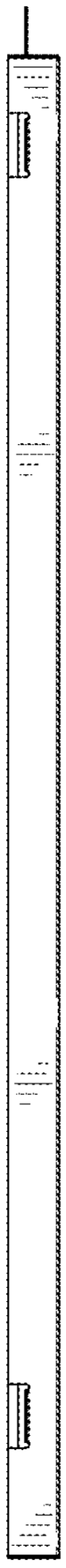


FIG. 3

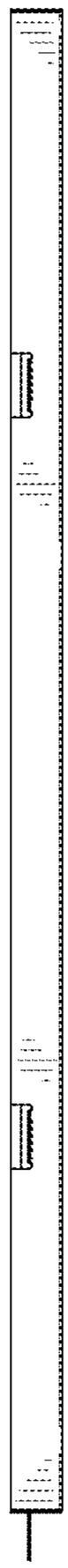


FIG. 4

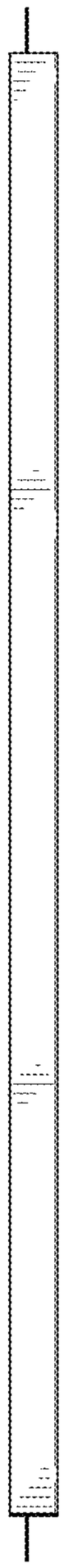


FIG. 5

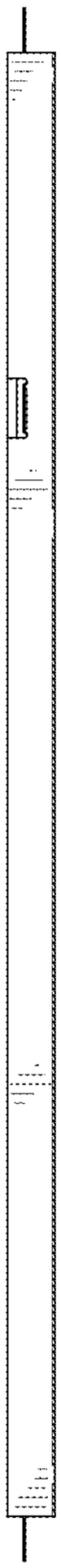


FIG. 6

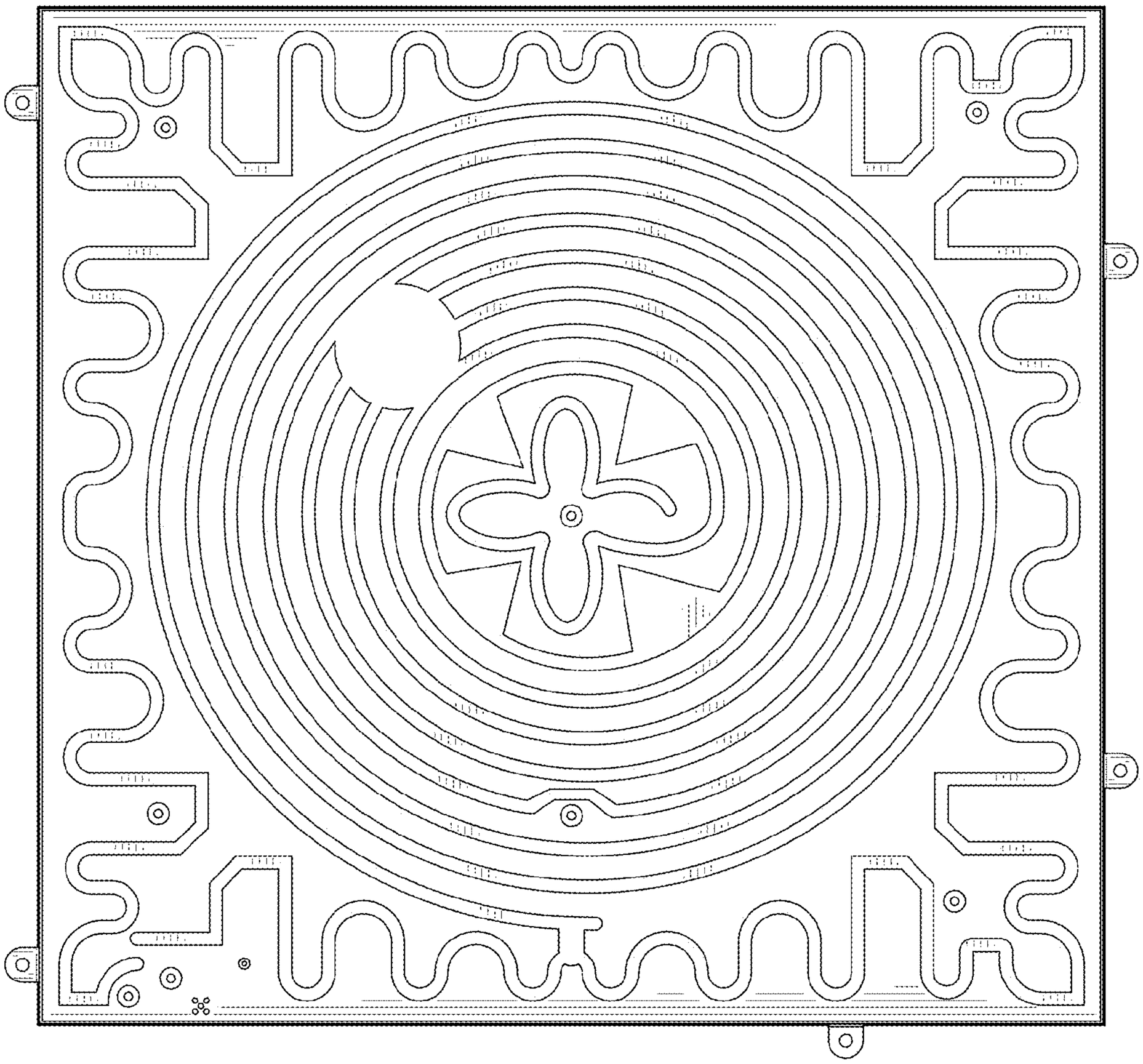


FIG. 7

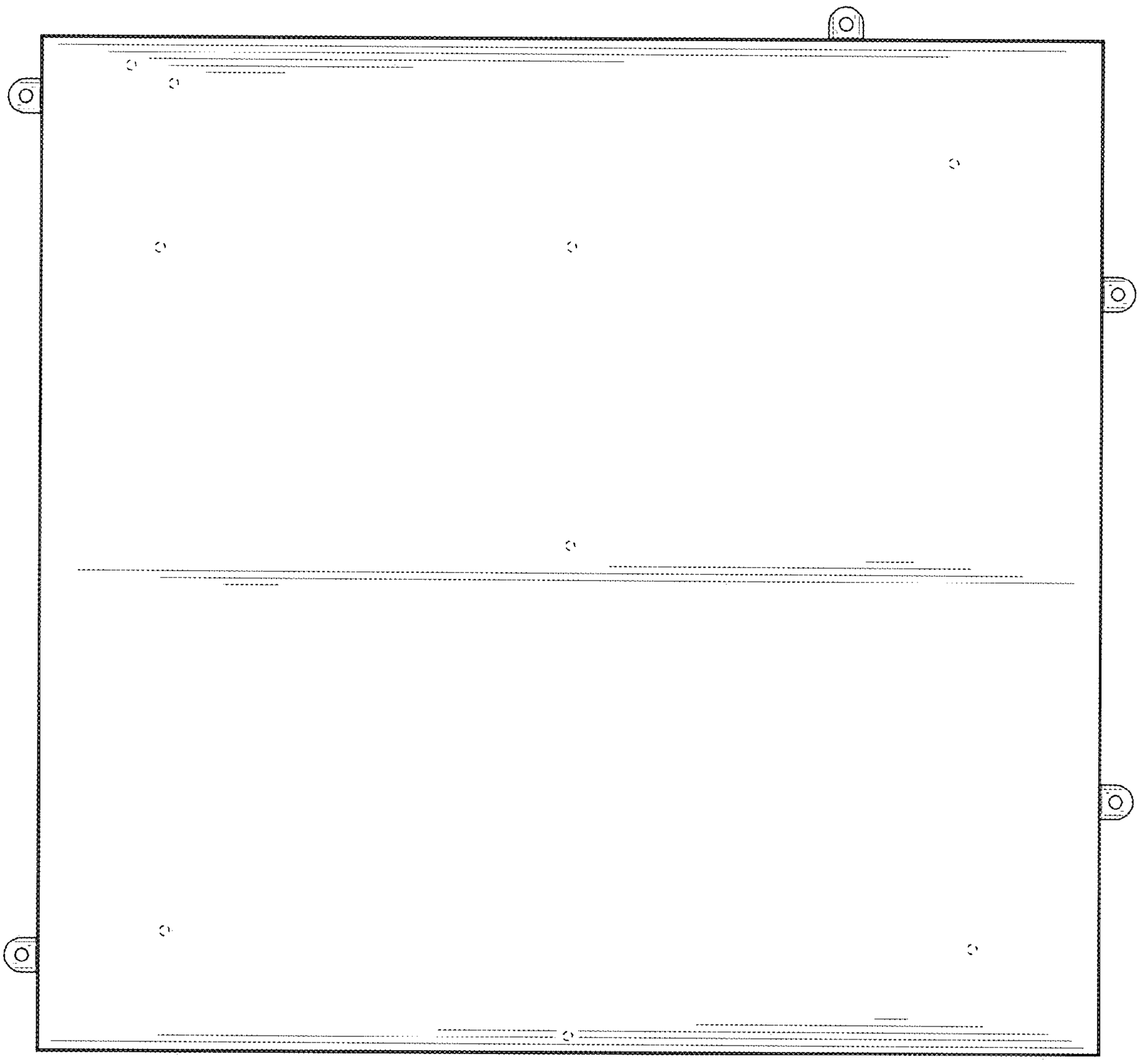


FIG. 8

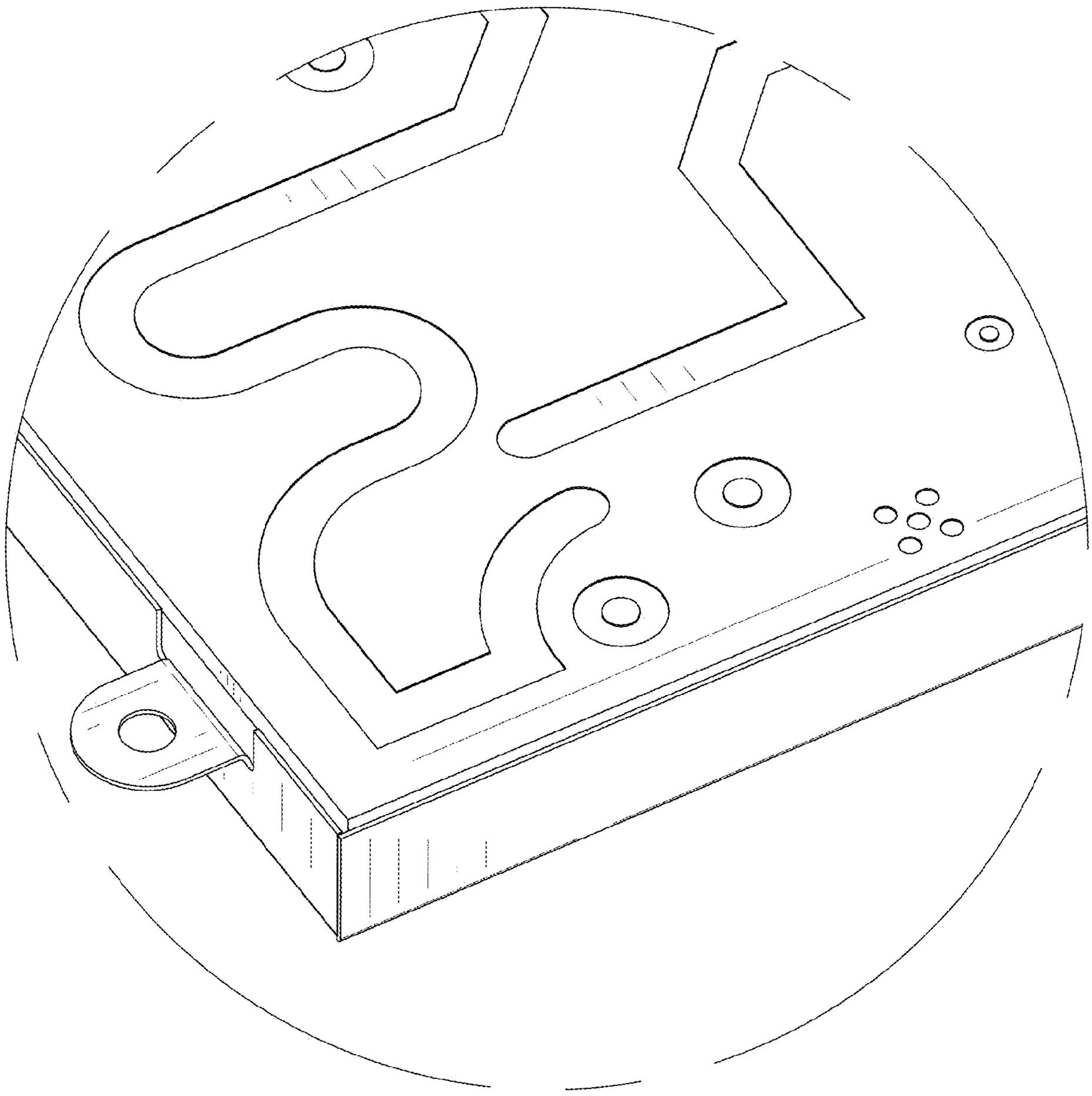


FIG. 9