



US0D1004577S

(12)

United States Design Patent

Moradi

(10) Patent No.:

US D1,004,577 S

(45) Date of Patent:

** Nov. 14, 2023

(54) ANTENNA

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(**) Term: 15 Years

(21) Appl. No.: 29/811,133

(22) Filed: Oct. 12, 2021

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

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

(58) Field of Classification Search
USPC D14/230, 231–240, 238.1, 299, 343, 489,
D14/492, 138, 135; D13/182;
D12/42–43
CPC H01Q 7/00; H01Q 13/10; H01Q 9/285;
H01Q 19/30; H01Q 1/36; H01Q 1/38;
H05K 11/00; G05D 1/0234; G06K
19/07749; G01R 29/10; G01S 2013/0245;
G01S 2013/0254; G01S 2013/0263; G01S
7/4026
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

5,321,240	A	*	6/1994	Takahira		G06K 19/07779	235/487
D507,298	S	*	7/2005	Allard		D19/10	
D510,103	S	*	9/2005	Allard		D19/10	
D710,835	S	*	8/2014	Forster		D14/230	
D788,744	S	*	6/2017	Forster		D14/230	
D840,379	S	*	2/2019	Howard		D14/230	
D866,536	S	*	11/2019	Forster		D14/230	
D875,721	S	*	2/2020	Forster		D14/230	

10,552,725	B2	*	2/2020	Klemm		G06K 19/072	
D896,208	S	*	9/2020	Howard		D14/230	
D896,795	S	*	9/2020	Howard		D14/230	
D963,626	S	*	9/2022	Moradi		D14/230	
2004/0066296	A1	*	4/2004	Atherton		G08B 13/2434	340/572.1
2004/0130500	A1	*	7/2004	Takei		H05K 3/4685	343/895
2005/0035924	A1	*	2/2005	Liu		G06K 19/07752	343/895
2009/0231203	A1	*	9/2009	Ficker		H01Q 7/00	29/601
2011/0220727	A1	*	9/2011	Lee		H01Q 1/2208	343/822

FOREIGN PATENT DOCUMENTS

CN	306662634	*	2/2021
CN	306620712	*	6/2021

(Continued)

OTHER PUBLICATIONS

Smartrac, “Web Dual Frequency RFID Wet Inlay,” available at atlasrfidstore.com, oldest date 2017, site visited Jul. 6, 2023, available at URL: <https://www.atlasrfidstore.com/smartrac-web-dual-frequency-rfid-wet-inlay-em4423/> (Year: 2017).*

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(57)

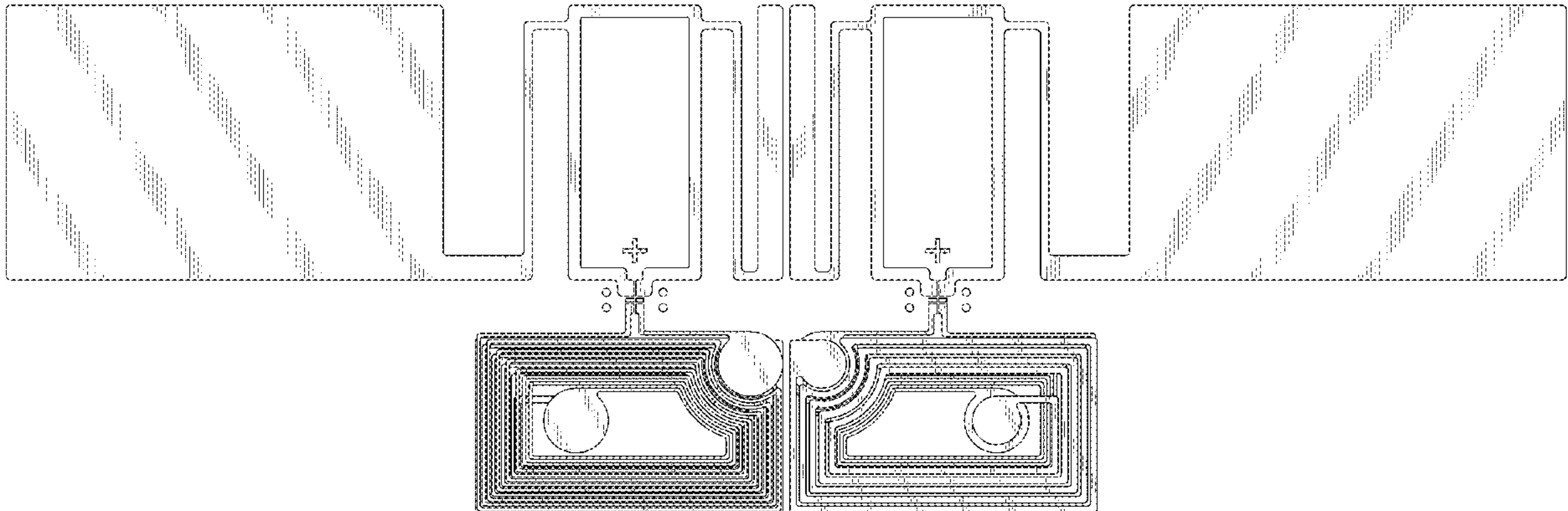
CLAIM

The ornamental design for an antenna, as shown and described.

DESCRIPTION

FIG. 1 is an isometric view of an antenna showing the design.
FIG. 2 is a top plan view thereof; and,
FIG. 3 is a bottom plan view thereof.

1 Claim, 3 Drawing Sheets



(56) **References Cited**

FOREIGN PATENT DOCUMENTS

CN	307680668	*	11/2022
CN	307680669	*	11/2022
CN	307835323	*	2/2023
CN	308048850	*	5/2023

* cited by examiner

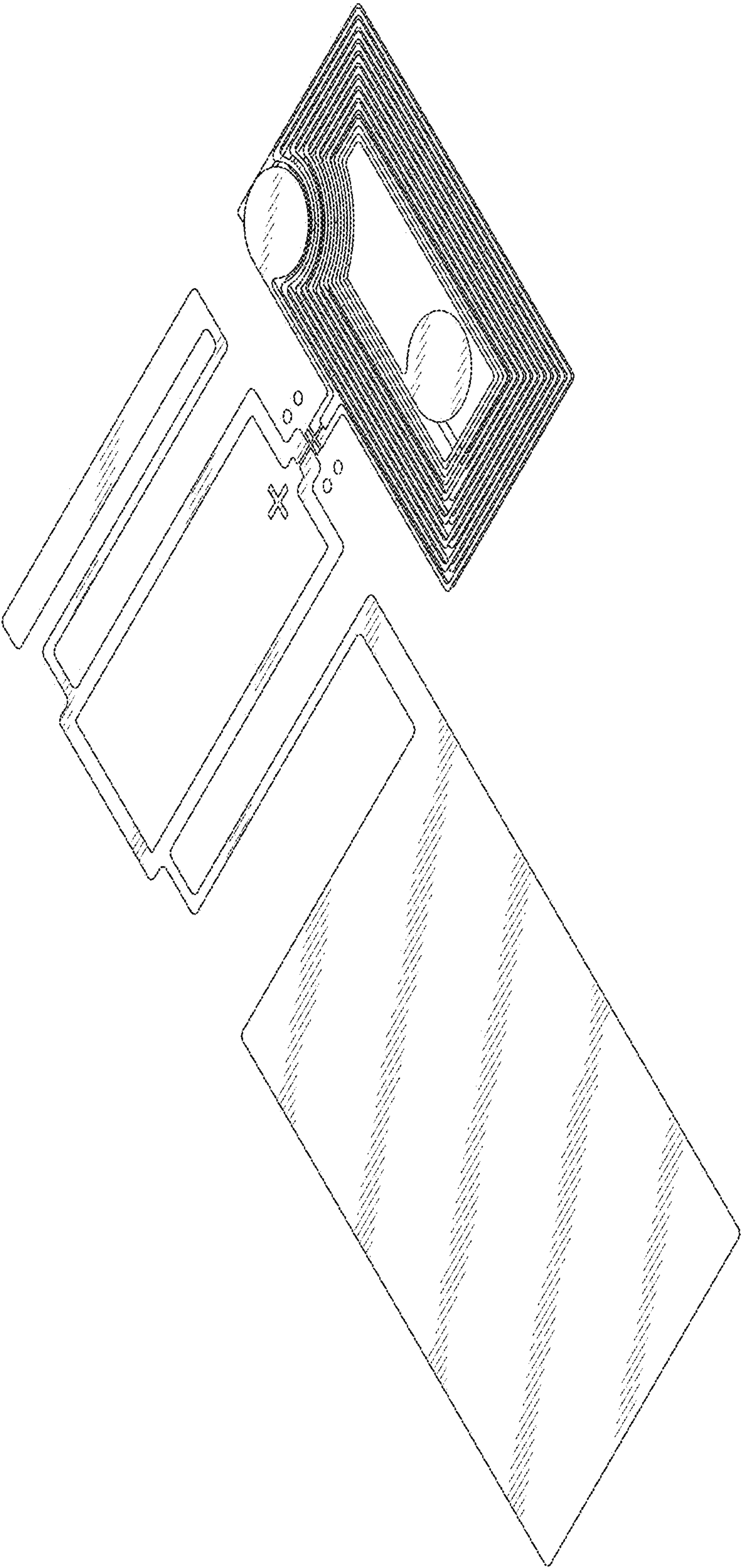


FIG. 1

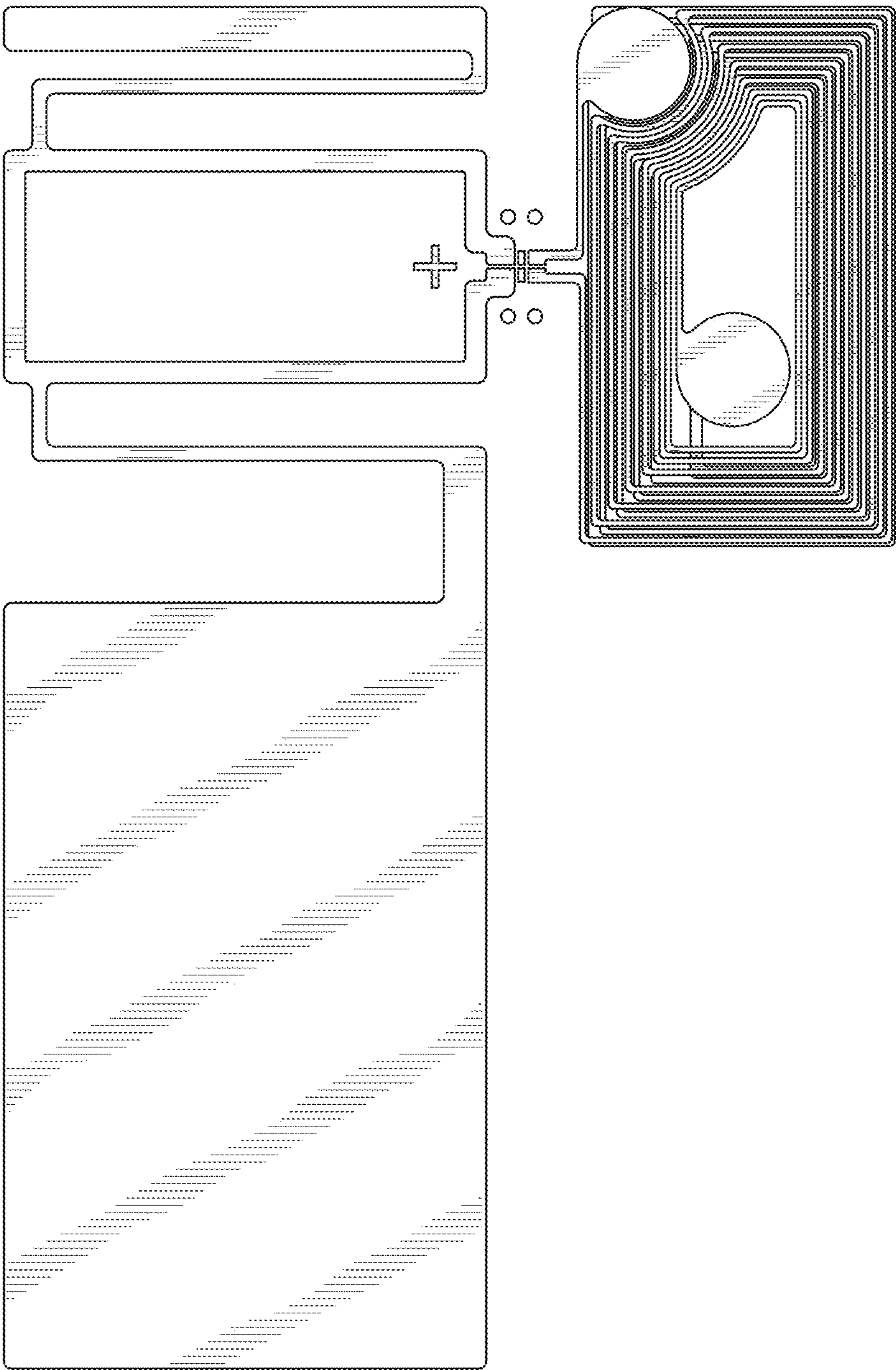


FIG. 2

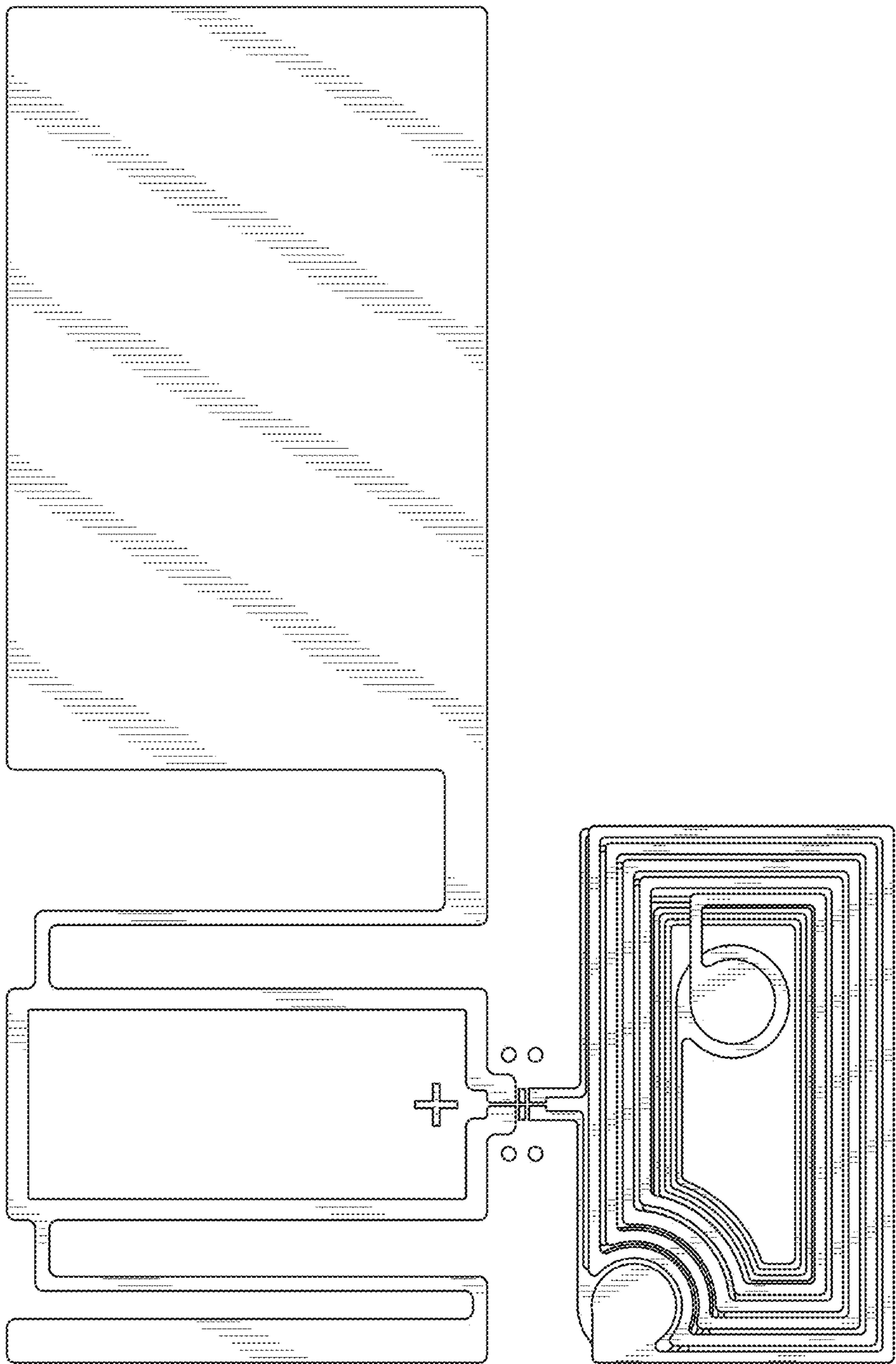


FIG. 3