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(12) **United States Design Patent** (10) **Patent No.:** **US D875,056 S**  
**Qi** (45) **Date of Patent:** **\*\* Feb. 11, 2020**

(54) **FLEXIBLE PRINTED CIRCUIT BOARD**

(71) Applicant: **Jie Qi**, New Port Richey, FL (US)

(72) Inventor: **Jie Qi**, New Port Richey, FL (US)

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(51) **LOC (12) Cl.** ..... **13-03**

(52) **U.S. Cl.**

USPC ..... **D13/182**

(58) **Field of Classification Search**

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174/253, 254, 255, 256, 257, 258, 260

CPC ..... H05K 3/36; H05K 3/361; H05K 3/363;  
H05K 3/365; H05K 3/40; H05K 3/4007;  
H05K 3/4015; H05K 3/0052; H05K 3/28;  
H05K 3/281; H05K 2201/0999; H05K  
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2201/05; H05K 2201/051; H05K  
2201/052; H05K 2201/053; H05K  
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2201/0715; H05K 1/0393; H05K 1/118;  
H05K 1/028; H05K 1/0281; H05K  
1/0283

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,072,734 A \* 1/1963 Fox ..... H02B 1/043  
174/254  
4,715,928 A \* 12/1987 Hamby ..... H05K 3/4691  
156/150  
D465,772 S \* 11/2002 Poulter ..... D13/182  
D466,093 S \* 11/2002 Ebihara ..... D13/182  
D471,167 S \* 3/2003 Ebihara ..... D13/182  
D529,031 S \* 9/2006 Huang ..... D13/182

D601,978 S \* 10/2009 Matsuba ..... D13/182  
D605,613 S \* 12/2009 Carter ..... D13/182  
D639,756 S \* 6/2011 Greene, Jr. .... D13/182  
D642,546 S \* 8/2011 Greene, Jr. .... D13/182  
D647,072 S \* 10/2011 Bentley ..... D13/182  
8,113,888 B2 \* 2/2012 Carter ..... H01R 9/03  
439/676  
D669,478 S \* 10/2012 Lepp ..... D14/436  
D669,479 S \* 10/2012 Lepp ..... D14/436  
8,649,820 B2 \* 2/2014 Schwandt ..... G06K 19/07732  
455/557  
D716,743 S \* 11/2014 Hu ..... D13/182  
D753,073 S \* 4/2016 Sponring ..... D13/182  
D757,666 S \* 5/2016 Yokoo ..... D13/182  
D798,251 S \* 9/2017 Li ..... D13/182  
D799,438 S \* 10/2017 Takahashi ..... D13/182  
D821,987 S \* 7/2018 Takebayashi ..... D13/182  
D824,344 S \* 7/2018 Podubni ..... D13/182

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*Primary Examiner* — Elizabeth J Oswecki

(74) *Attorney, Agent, or Firm* — Kilpatrick Townsend & Stockton LLP

(57) **CLAIM**

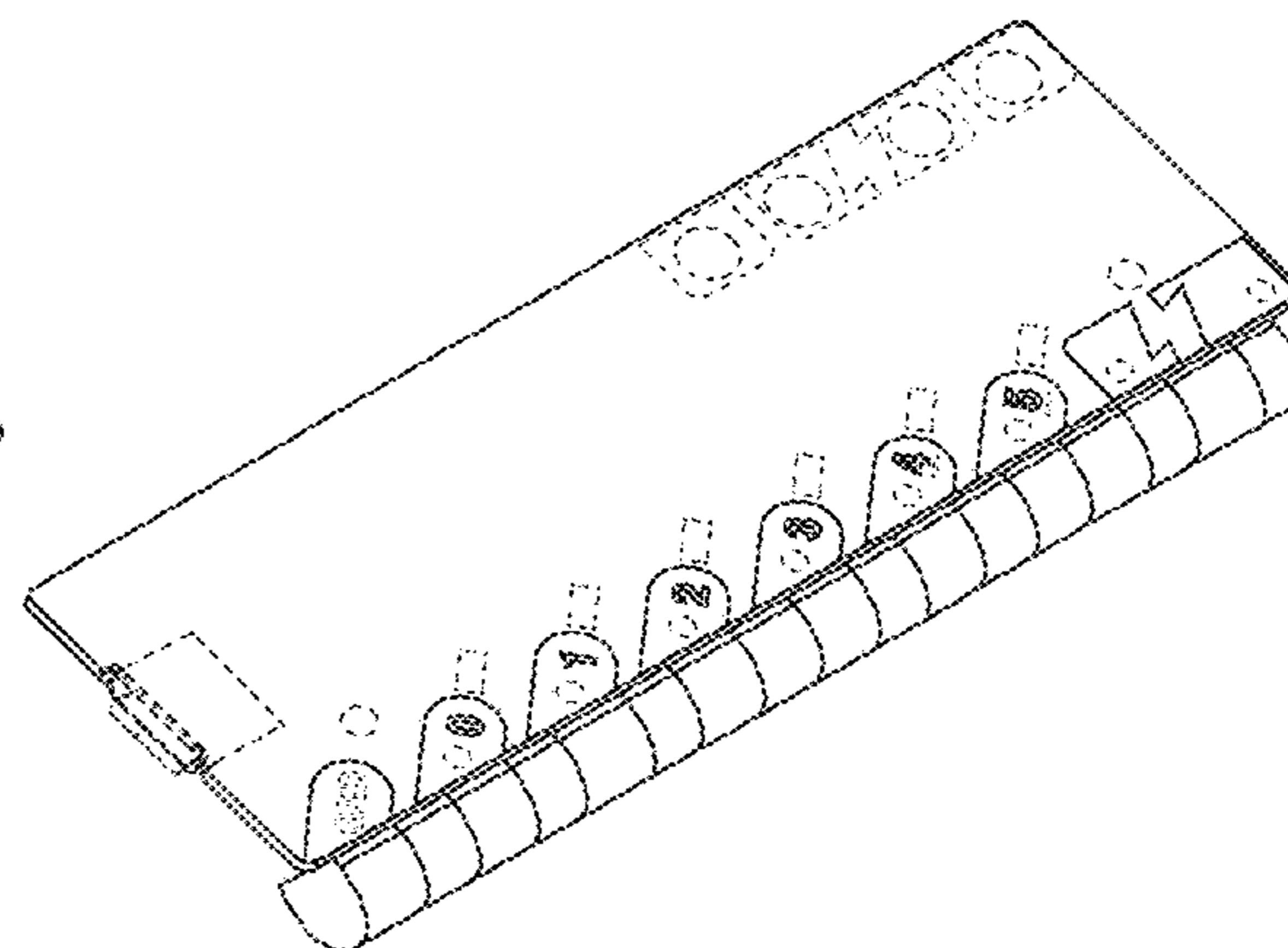
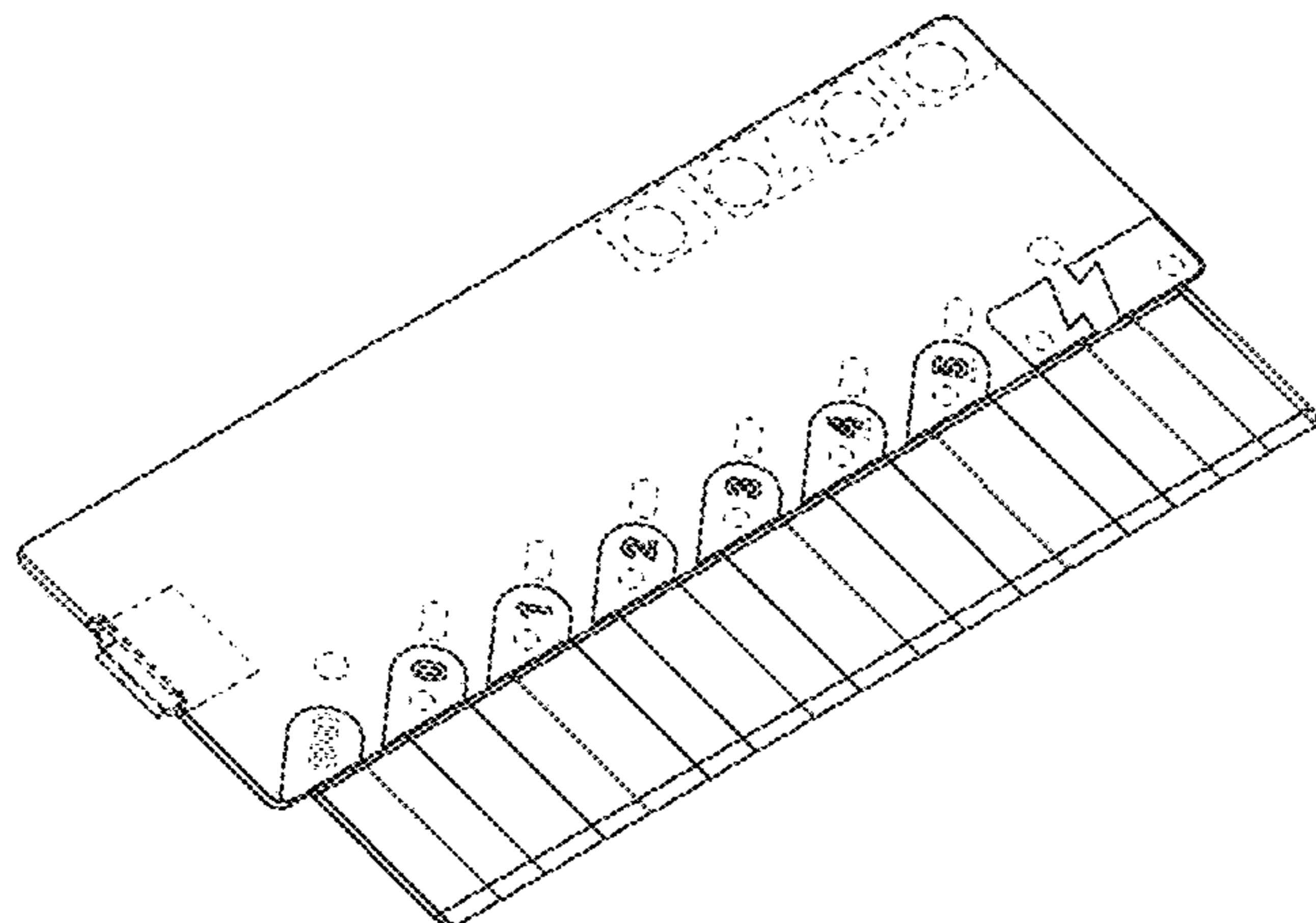
The ornamental design for a flexible printed circuit board, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a flexible printed circuit board showing my design, in a flat state; FIG. 2 is a front view thereof; FIG. 3 is a left side view thereof; FIG. 4 is a rear view thereof; FIG. 5 is another perspective view thereof, in a folded state; FIG. 6 is a front view thereof; FIG. 7 is a left side view thereof; and, FIG. 8 is a rear view thereof.

The broken lines shown in the drawings represent portions of the flexible printed circuit board, that form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

## References Cited

## U.S. PATENT DOCUMENTS

D824,345	S	*	7/2018	Podubni	.....	D13/182
D826,186	S	*	8/2018	Podubni	.....	D13/182
D826,187	S	*	8/2018	Podubni	.....	D13/182
D826,188	S	*	8/2018	Podubni	.....	D13/182
D826,189	S	*	8/2018	Podubni	.....	D13/182
D826,190	S	*	8/2018	Podubni	.....	D13/182
D826,191	S	*	8/2018	Podubni	.....	D13/182
D826,192	S	*	8/2018	Podubni	.....	D13/182
D826,193	S	*	8/2018	Podubni	.....	D13/182
D826,194	S	*	8/2018	Podubni	.....	D13/182
D826,195	S	*	8/2018	Podubni	.....	D13/182
D826,196	S	*	8/2018	Podubni	.....	D13/182
D829,674	S	*	10/2018	Podubni	.....	D13/182
D829,675	S	*	10/2018	Podubni	.....	D13/182
D830,318	S	*	10/2018	Podubni	.....	D13/182
D830,319	S	*	10/2018	Podubni	.....	D13/182
D830,320	S	*	10/2018	Podubni	.....	D13/182
D830,321	S	*	10/2018	Podubni	.....	D13/182
D832,229	S	*	10/2018	Podubni	.....	D13/182
D833,405	S	*	11/2018	Rock	.....	D13/182
D833,990	S	*	11/2018	Podubni	.....	D13/182
D833,991	S	*	11/2018	Podubni	.....	D13/182
D833,992	S	*	11/2018	Podubni	.....	D13/182
D833,993	S	*	11/2018	Podubni	.....	D13/182
D833,994	S	*	11/2018	Podubni	.....	D13/182
2007/0205017	A1	*	9/2007	Takakusaki	.....	H05K 3/244 174/260
2008/0080151	A1	*	4/2008	Shimizu	.....	H05K 1/0263 361/760
2009/0250246	A1	*	10/2009	Yaung	.....	H05K 1/0266 174/250
2009/0268390	A1	*	10/2009	King	.....	G06F 13/409 361/679.33

\* cited by examiner

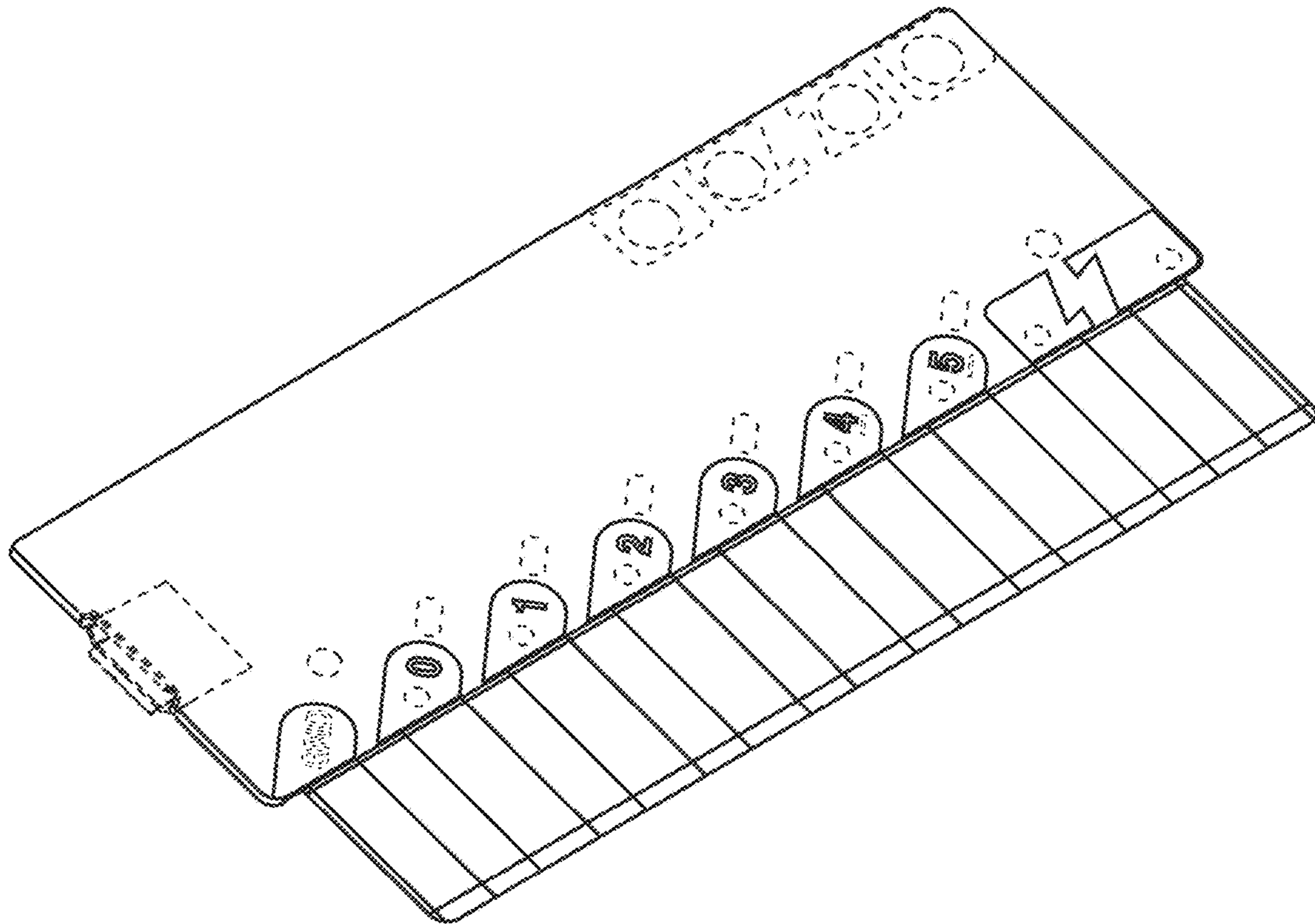


FIG. 1

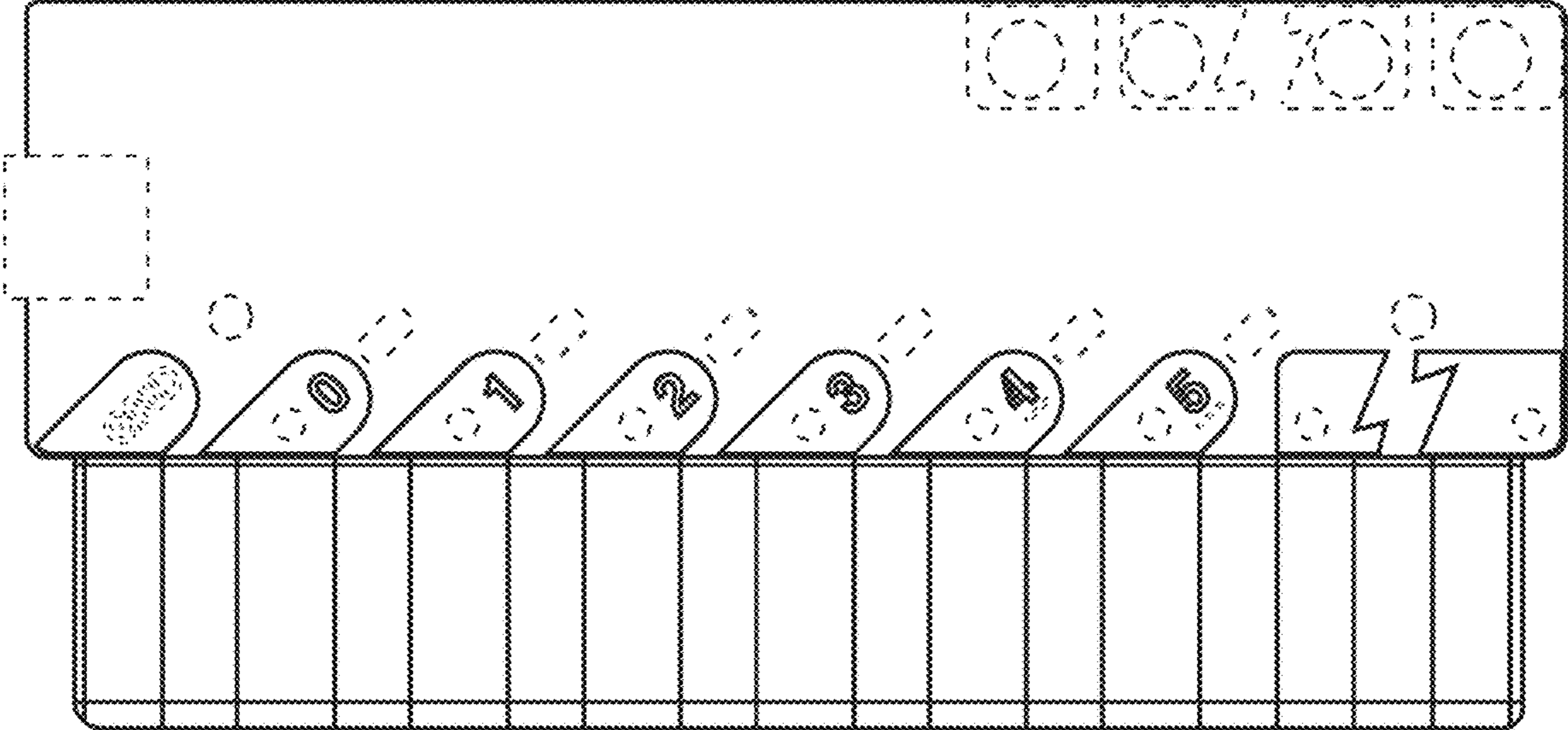


FIG. 2

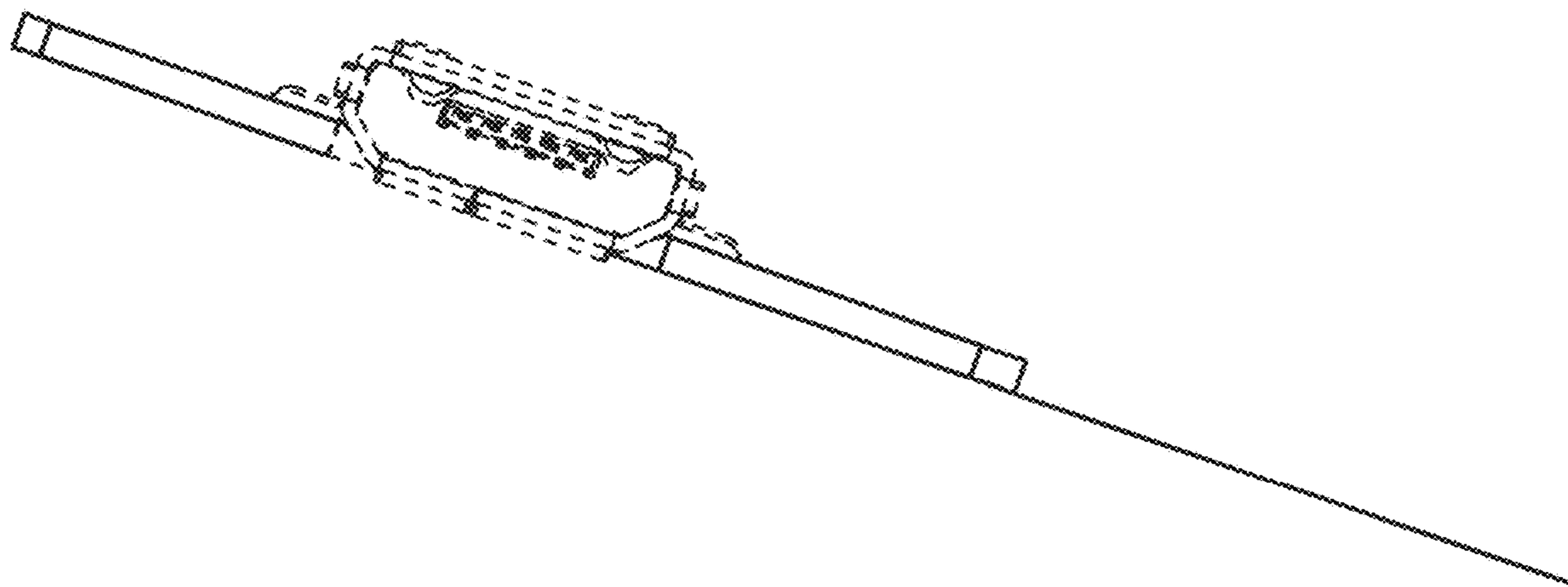


FIG. 3

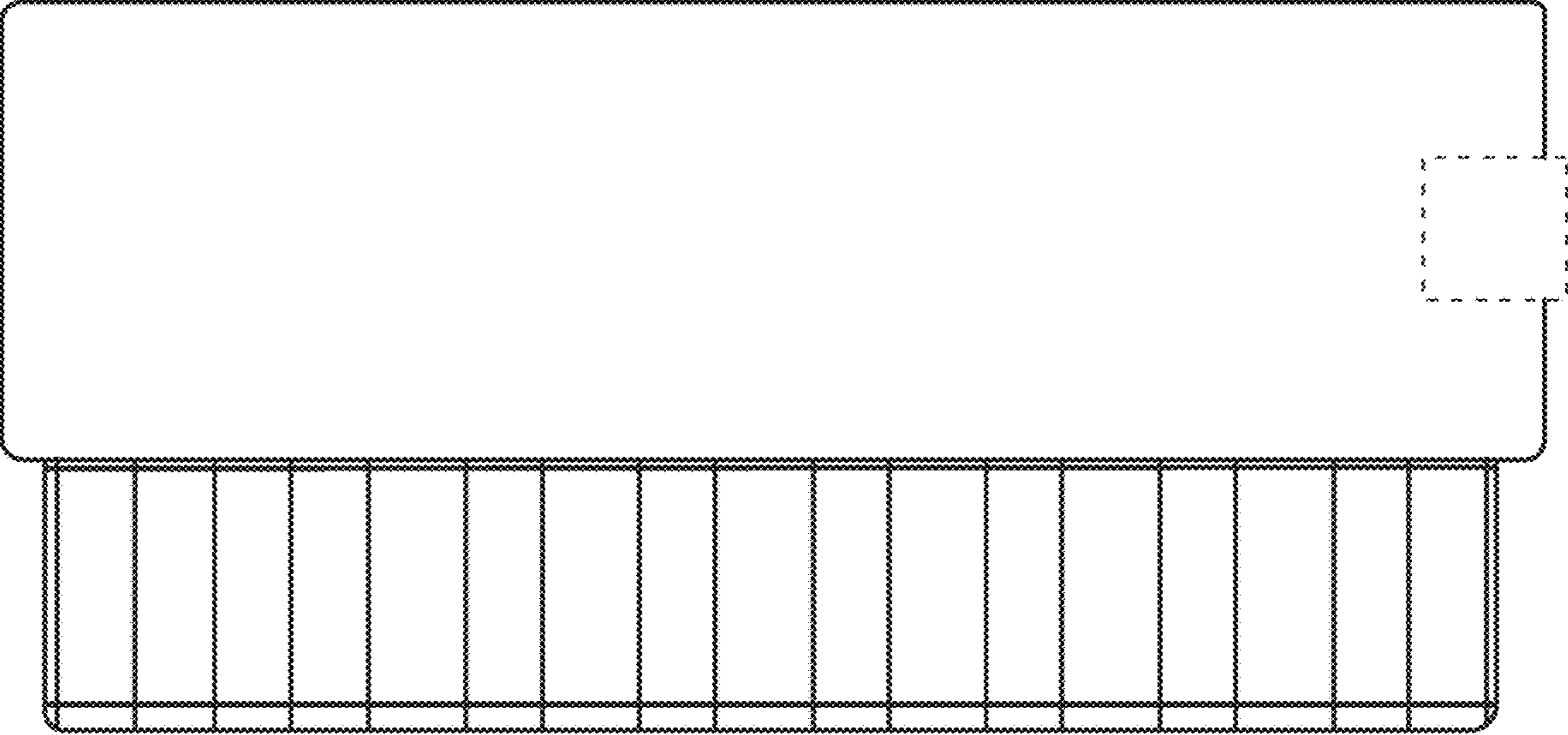


FIG. 4

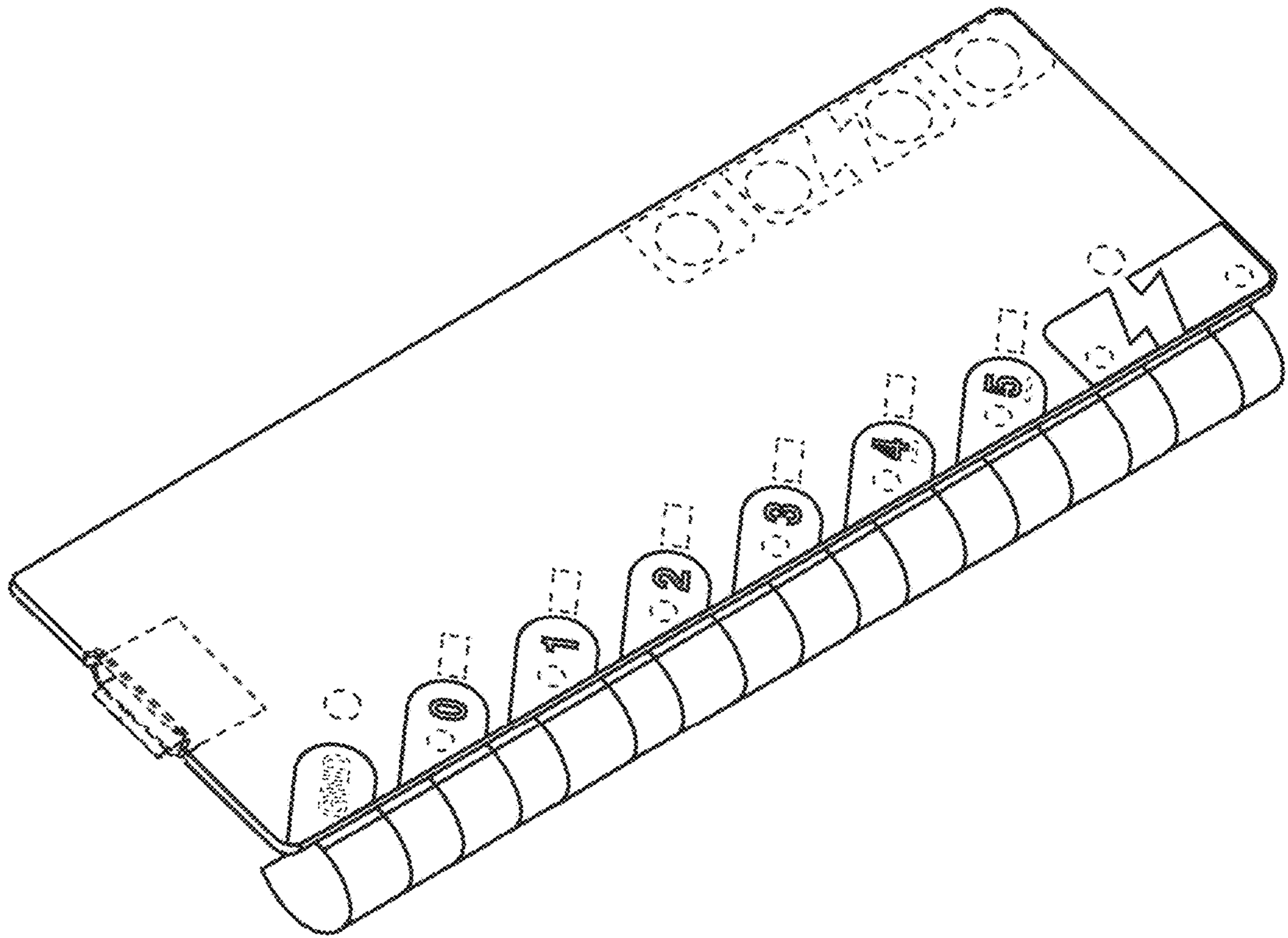


FIG. 5

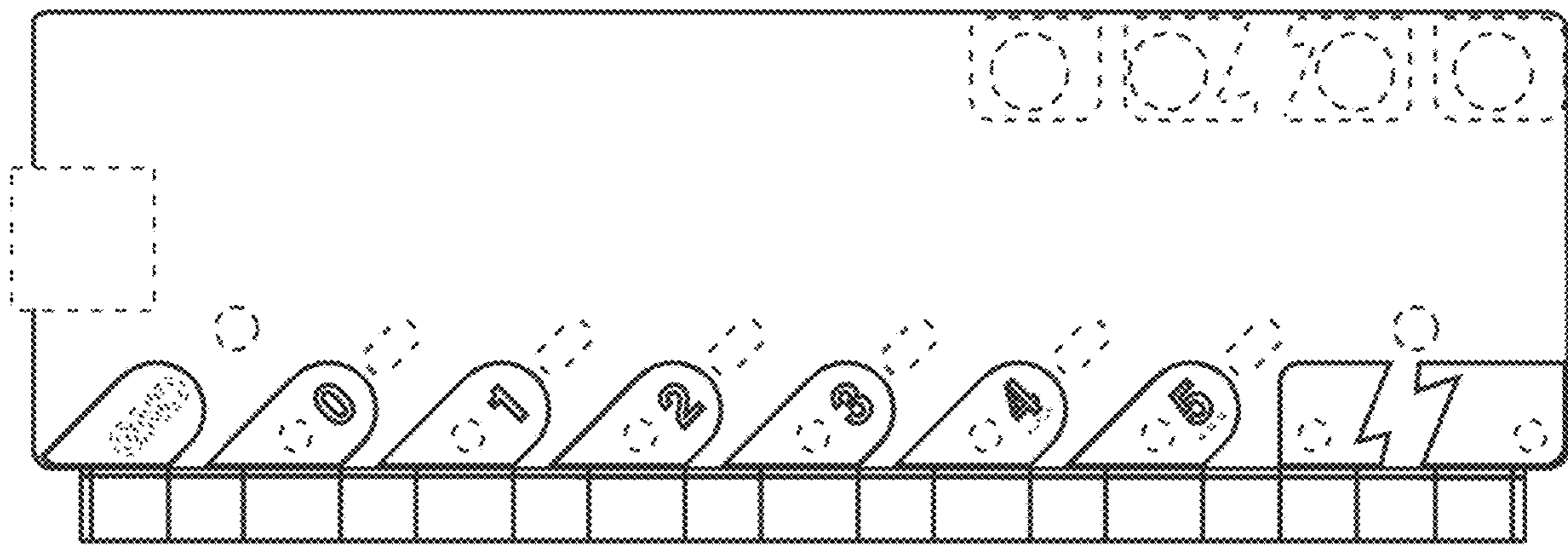


FIG. 6



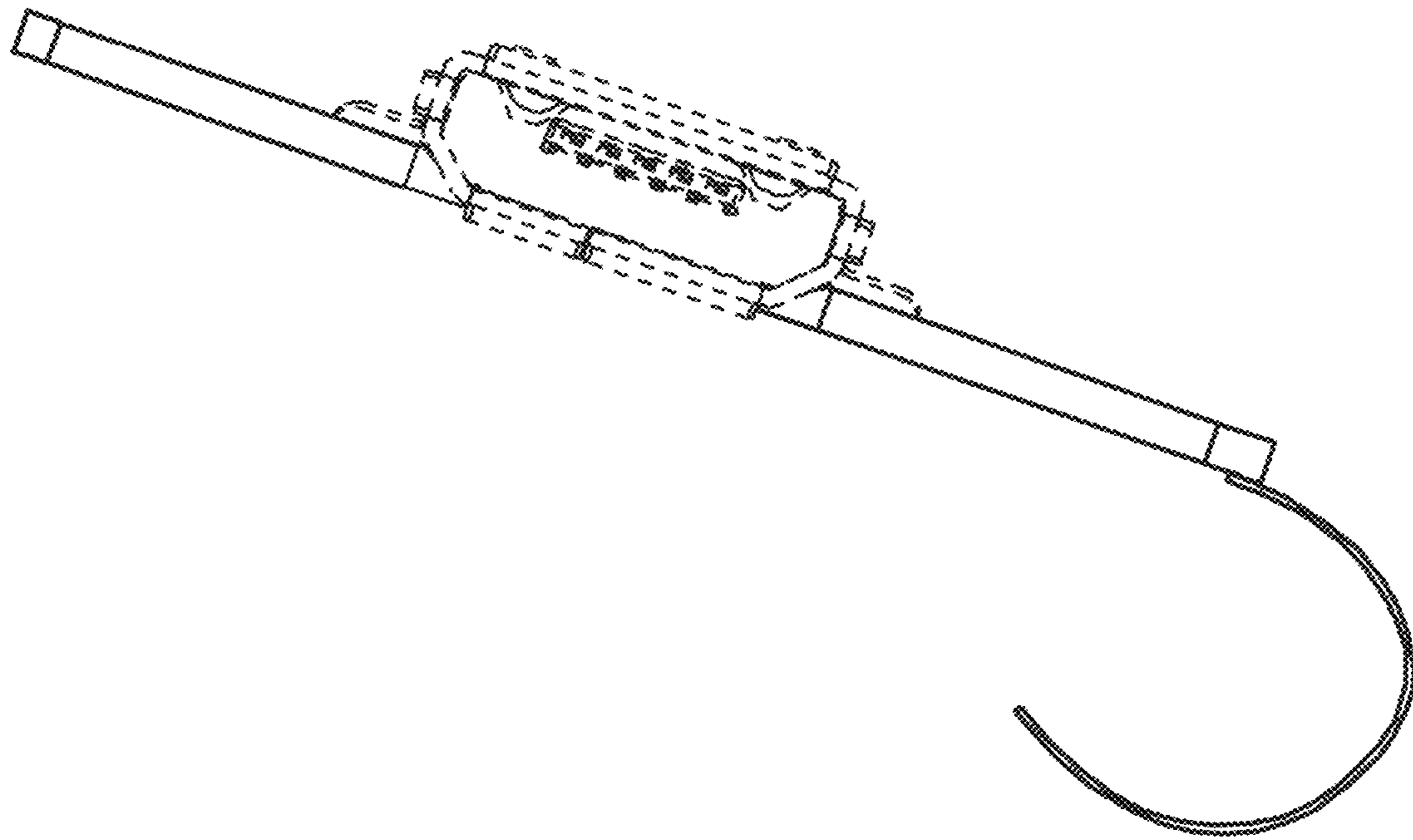


FIG. 7

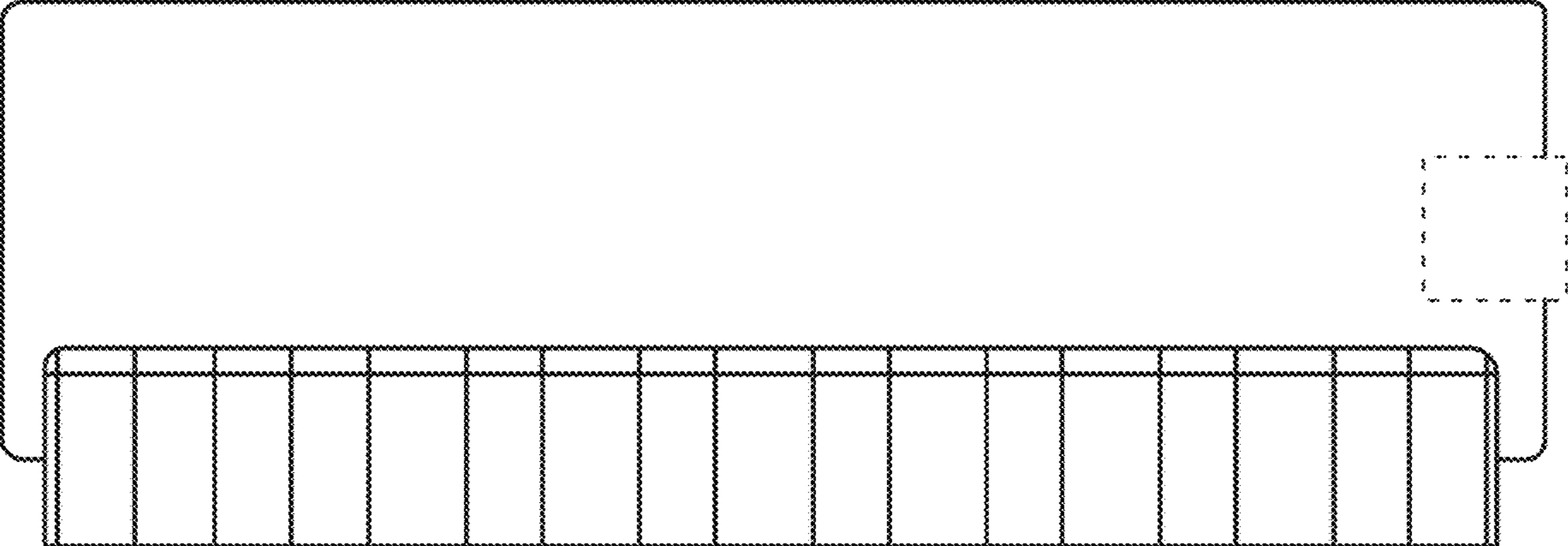


FIG. 8