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(12) **United States Design Patent**
Levine et al.

(10) **Patent No.: US D889,404 S**
(45) **Date of Patent: ** Jul. 7, 2020**

(54) **LIGHT TRANSFORMER**

(71) Applicant: **Amazon Technologies, Inc.**, Seattle, WA (US)

(72) Inventors: **David Brett Levine**, Pepper Pike, OH (US); **Alexsandra M. Bowers**, Mayfield, OH (US); **Ryan David Hruska**, North Royalton, OH (US); **Jiawei Li**, Avon, OH (US); **Christopher Loew**, Palo Alto, CA (US); **Michael V. Recker**, Gaithersburg, MD (US); **Mark Siminoff**, Mountain View, CA (US)

(73) Assignee: **Amazon Technologies, Inc.**, Seattle, WA (US)

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

(21) Appl. No.: **29/670,259**

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(51) **LOC (12) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/110**

(58) **Field of Classification Search**
USPC D13/103, 104, 107, 110, 112, 119, 120, D13/133, 156
CPC H01R 13/641; H02B 1/20; H01M 2/1022; H01M 2/1027; H01M 2/1072; H01M 2/105; H01M 2/1077
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D243,615	S	*	3/1977	Kaye	D13/103
D680,063	S	*	4/2013	Sasada	D13/103
D742,312	S	*	11/2015	Gupta	D13/103
D760,647	S	*	7/2016	Chen	D13/103
D764,404	S	*	8/2016	Lau	D13/103
D772,160	S		11/2016	Roberts et al.	
D812,556	S	*	3/2018	Xu	D13/103
D816,606	S	*	5/2018	Georgiades	D13/108
D823,239	S	*	7/2018	Gupta	D13/103
D825,456	S	*	8/2018	Daravong	D13/103
D838,669	S	*	1/2019	Miller	D13/108

(Continued)

FOREIGN PATENT DOCUMENTS

CN	304279386	S	9/2017
CN	304897992	S	11/2018

(Continued)

OTHER PUBLICATIONS

Australian Office Action dated Aug. 5, 2019 for Australian Patent Application No. 201913629, a counterpart of U.S. Appl. No. 29/675,488, 2 pages.

(Continued)

Primary Examiner — Susan Bennett Hattan
Assistant Examiner — Suzanne E Tisdell
(74) *Attorney, Agent, or Firm* — Lee & Hayes, P.C.

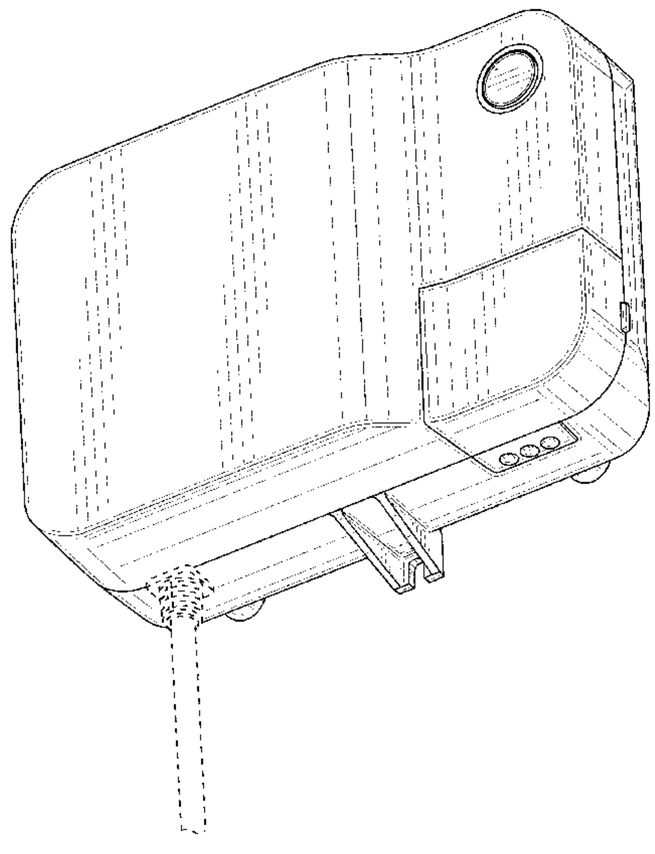
(57) **CLAIM**

The ornamental design for a light transformer, as shown and described.

DESCRIPTION

FIG. **1** is a front, right-side perspective view of a light transformer;
FIG. **2** is a back, right-side perspective view thereof;
FIG. **3** is a bottom plan view thereof;
FIG. **4** is a top plan view thereof;
FIG. **5** is a left-side elevation view thereof;
FIG. **6** is a right-side elevation view thereof;
FIG. **7** is a front elevation view thereof; and,
FIG. **8** is a back elevation view thereof.
The dashed broken lines depict portions of the light transformer that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D842,244	S *	3/2019	Li	D13/108
D844,560	S *	4/2019	Miller	D13/108
D853,320	S *	7/2019	Guo	D13/103
D853,322	S *	7/2019	Xu	D13/108
D858,434	S *	9/2019	Park	D13/103
D860,129	S *	9/2019	Price	D13/103
D860,936	S *	9/2019	Jia	D13/108
D861,592	S *	10/2019	Venugopal	D13/103
D861,595	S *	10/2019	He	D13/103
D862,384	S *	10/2019	Jen	D13/108
D864,861	S *	10/2019	Roberts	D13/108
D867,280	S *	11/2019	Chen	D13/103
2003/0095185	A1	5/2003	Naifeh	
2006/0213682	A1	9/2006	Moon et al.	
2007/0103548	A1	5/2007	Carter	
2018/0234668	A1	8/2018	Bauswell	
2019/0364244	A1	11/2019	Siminoff et al.	

FOREIGN PATENT DOCUMENTS

CN	304933710	S	12/2018
EM	005795788-0001		1/2019
EP	2385703		11/2011
JP	1651502		1/2020
TW	265988	A	12/1995
TW	D170846	A	10/2015
TW	D175778		5/2016
TW	1651500		1/2020
WO	WO2007081894		7/2007

OTHER PUBLICATIONS

Chinese Office Action dated Oct. 11, 2019, for Chinese Patent Application No. 201930332256.6, a counterpart foreign application of the U.S. Appl. No. 29/675,488, 1 page.
Chinese Office Action dated Sep. 29, 2019, for Chinese Patent Application No. 201930259756.1, a counterpart foreign application of the U.S. Appl. No. 29/673,311, 1 page.
Chinese Office Action dated Sep. 30, 2019 for Chinese Design Application No. 201930233393.4, a counterpart foreing application of the U.S. Appl. No. 29/670,249.
Japanese Office Action dated Aug. 30, 2019, for Japanese Patent Application No. 2019-012138, a counterpart foreign application of the U.S. Appl. No. 29/673,311, 3 pages.
Japanese Office Action dated Aug. 30, 2019, for Japanese Patent Application No. 2019-012139, a counterpart foreign application of the U.S. Appl. No. 29/673,311, 3 pages.
Japanese Office Action dated Aug. 30, 2019, for Japanese Patent Application No. 2019-012141, a counterpart foreign application of the U.S. Appl. No. 29/673,311, 3 pages.
Japanese Office Action dated Aug. 30, 2019, for Japanese Patent Application No. 2019-012140, a counterpart foreign application of the U.S. Appl. No. 29/673,311, 3 pages.
Japanese Office Action dated Sep. 6, 2019, for Japanese Patent Application No. 2019-010347, a counterpart foreign application of the U.S. Appl. No. 29/670,259, 3 pages.
Japanese Office Action dated Aug. 30, 2019, for Japanese Patent Application No. 2019-012142, a counterpart foreign application of the U.S. Appl. No. 29/673,311, 3 pages.
Japanese Office Action dated Sep. 6, 2019, for Japanese Patent Application No. 2019-010348, a counterpart foreign application of the U.S. Appl. No. 29/670,259, 3 pages.
Non Final Office Action dated Nov. 4, 2019 for U.S. Appl. No. 16/218,920 "Audio/Video Device With Viewer" Siminoff, 8 pages.
PCT Search Report and Written Opinion dated Aug. 5, 2019, for the PCT Application No. PCT/US2019/027674, 12 pages.
Chinese Office Action dated Jan. 14, 2020, for Chinese Design Application No. 201930465085.4, a counterpart foreign application of the U.S. Appl. No. 29/681,330, 1 pages.
Japanese Office Action dated Jan. 31, 2020 for Japanese Patent Application No. 2019-014703, a counterpart of U.S. Appl. No. 29/675,488, 3 pages.
Japanese Office Action dated Jan. 31, 2020 for Japanese Patent Application No. 2019-014704, a counterpart of U.S. Appl. No. 29/675,488, 3 pages.
Japanese Office Action dated Jan. 31, 2020 for Japanese Patent Application No. 2019-014705, a counterpart of U.S. Appl. No. 29/675,488, 3 pages.
Japanese Office Action dated Jan. 31, 2020 for Japanese Patent Application No. 2019-014706, a counterpart of U.S. Appl. No. 29/675,488, 3 pages.
Office Action for U.S. Appl. No. 16/218,920, dated Feb. 5, 2020, Siminoff, "Audio/Video Device With Viewer", 10 pages.
Translated Taiwanese Office Action dated Dec. 12, 2019 for Taiwanese Patent Application No. 108302982, a counterpart of U.S. Appl. No. 29/673,311, 2 pages.
Translated Taiwanese Office Action dated Dec. 13, 2019 for Taiwanese Patent Application No. 108302983, a counterpart of U.S. Appl. No. 29/673,311, 2 pages.
Translated Taiwanese Office Action dated Dec. 13, 2019 for Taiwanese Patent Application No. 10821187230, a counterpart of U.S. Appl. No. 29/673,311, 2 pages.
Taiwanese Office Action dated Nov. 15, 2019 for Taiwanese Patent Application No. 108302722, a counterpart of U.S. Appl. No. 29/670,249, 4 pages.
Taiwanese Office Action dated Nov. 15, 2019 for Taiwanese Patent Application No. 108302720, a counterpart of U.S. Appl. No. 29/670,249, 4 pages.
Taiwanese Office Action dated Nov. 15, 2019 for Taiwanese Patent Application No. 108302721, a counterpart of U.S. Appl. No. 29/670,249, 4 pages.
Taiwanese Office Action dated Nov. 15, 2019 for Taiwanese Patent Application No. 108302725, a counterpart of U.S. Appl. No. 29/670,259, 4 pages.
Taiwanese Office Action dated Nov. 15, 2019 for Taiwanese Patent Application No. 108302724, a counterpart of U.S. Appl. No. 29/670,259, 4 pages.
Taiwanese Office Action dated Dec. 12, 2019 for Taiwanese Patent Application No. 108302982, a counterpart of U.S. Appl. No. 29/673,311, 6 pages.
Taiwanese Office Action dated Nov. 15, 2019 for Taiwanese Patent Application No. 108302726, a counterpart of U.S. Appl. No. 29/670,259, 4 pages.
Taiwanese Office Action dated Dec. 13, 2019 for Taiwanese Patent Application No. 108302983, a counterpart of U.S. Appl. No. 29/673,311, 3 pages.
Japanese Office Action dated Mar. 13, 2020 for Japanese Patent Application No. 2019-018653, a counterpart of U.S. Appl. No. 29/681,330, 3 pages.
Japanese Office Action dated Mar. 13, 2020 for Japanese Patent Application No. 2019-018654, a counterpart of U.S. Appl. No. 29/681,330, 3 pages.
Japanese Office Action dated Mar. 13, 2020 for Japanese Patent Application No. 2019-018655, a counterpart of U.S. Appl. No. 29/681,330, 3 pages.
Taiwanese Office Action dated Dec. 13, 2019 for Taiwanese Patent Application No. 10821187230, a counterpart of U.S. Appl. No. 29/673,311, 6 pages.

* cited by examiner

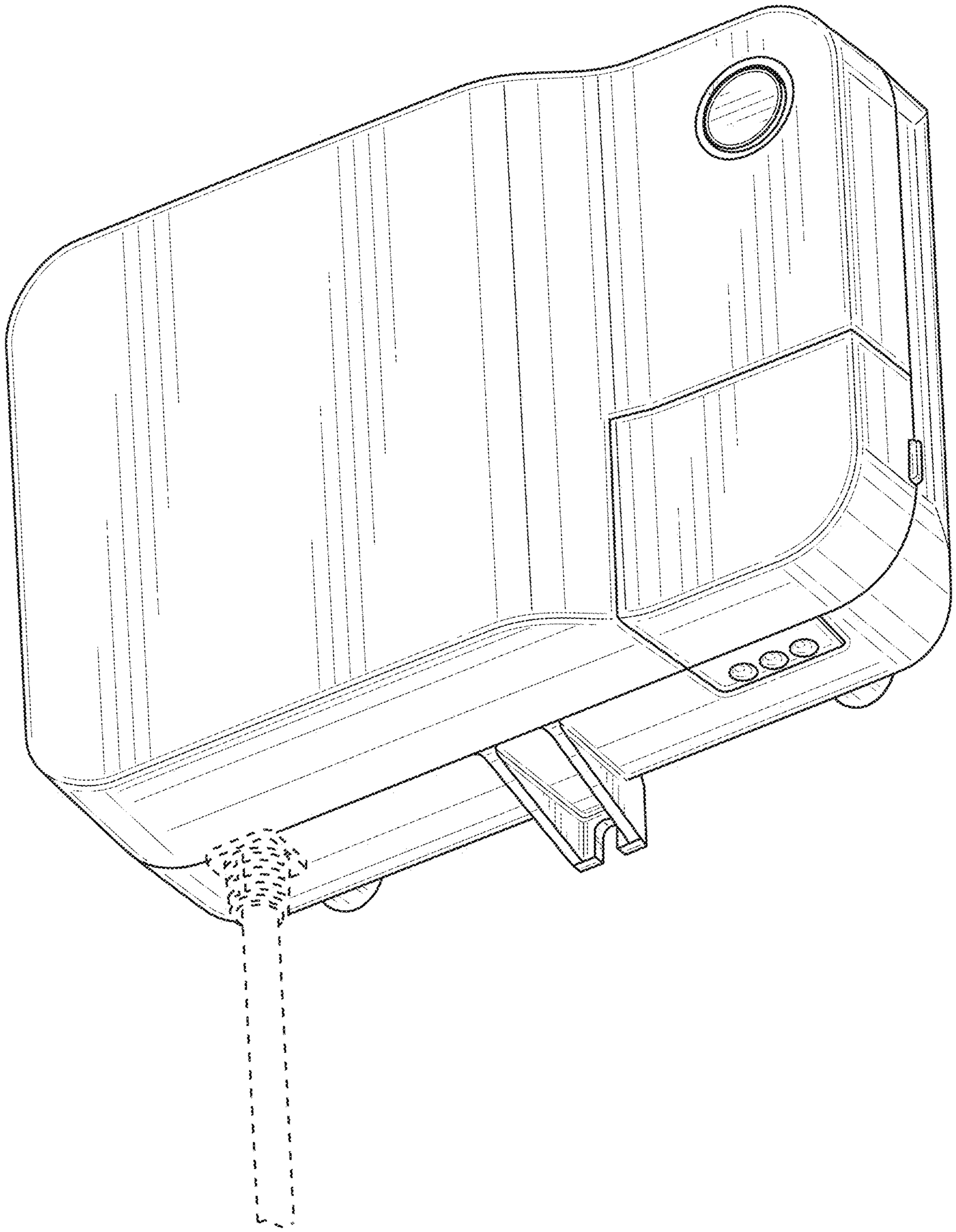


FIG. 1

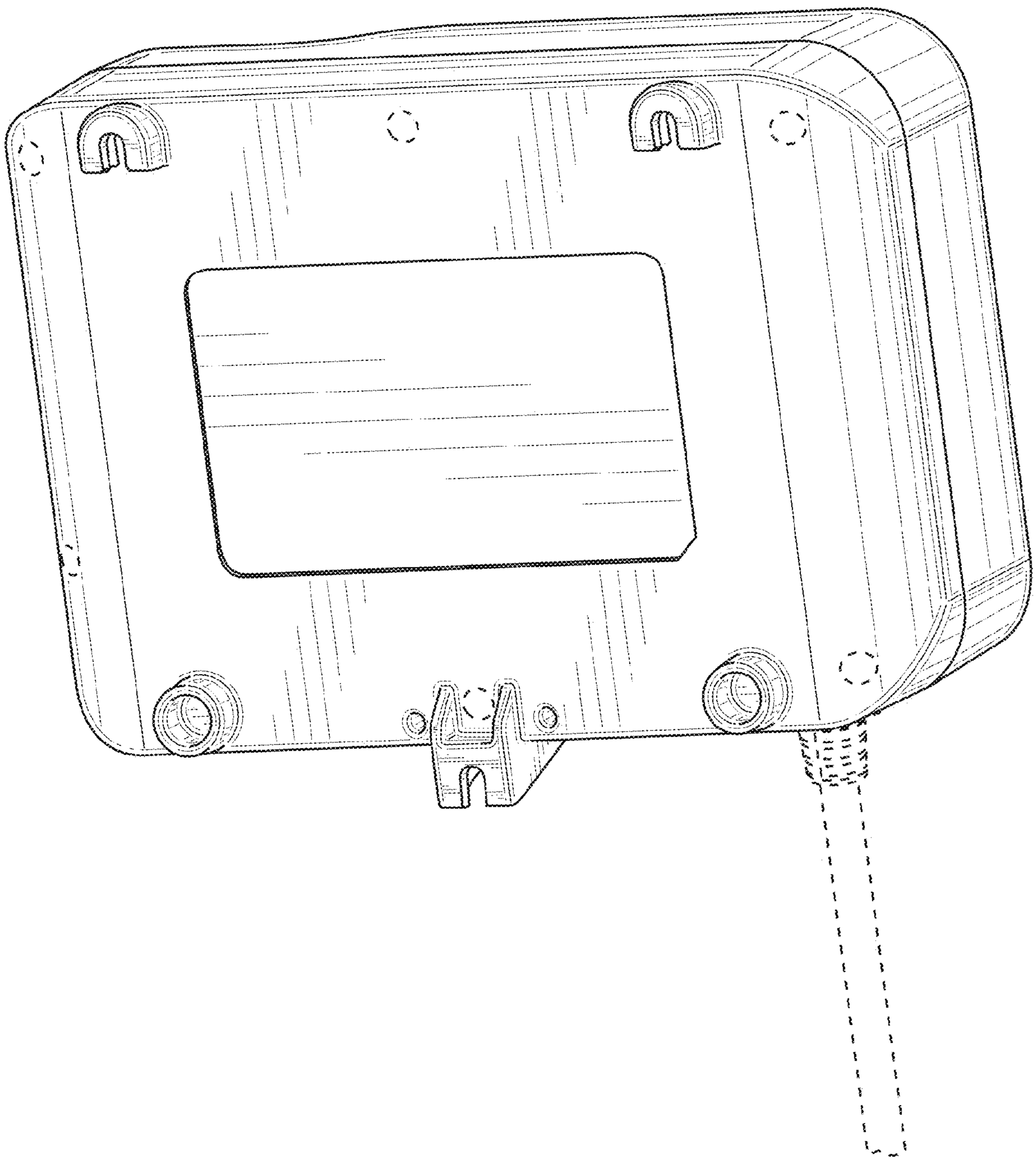


FIG. 2

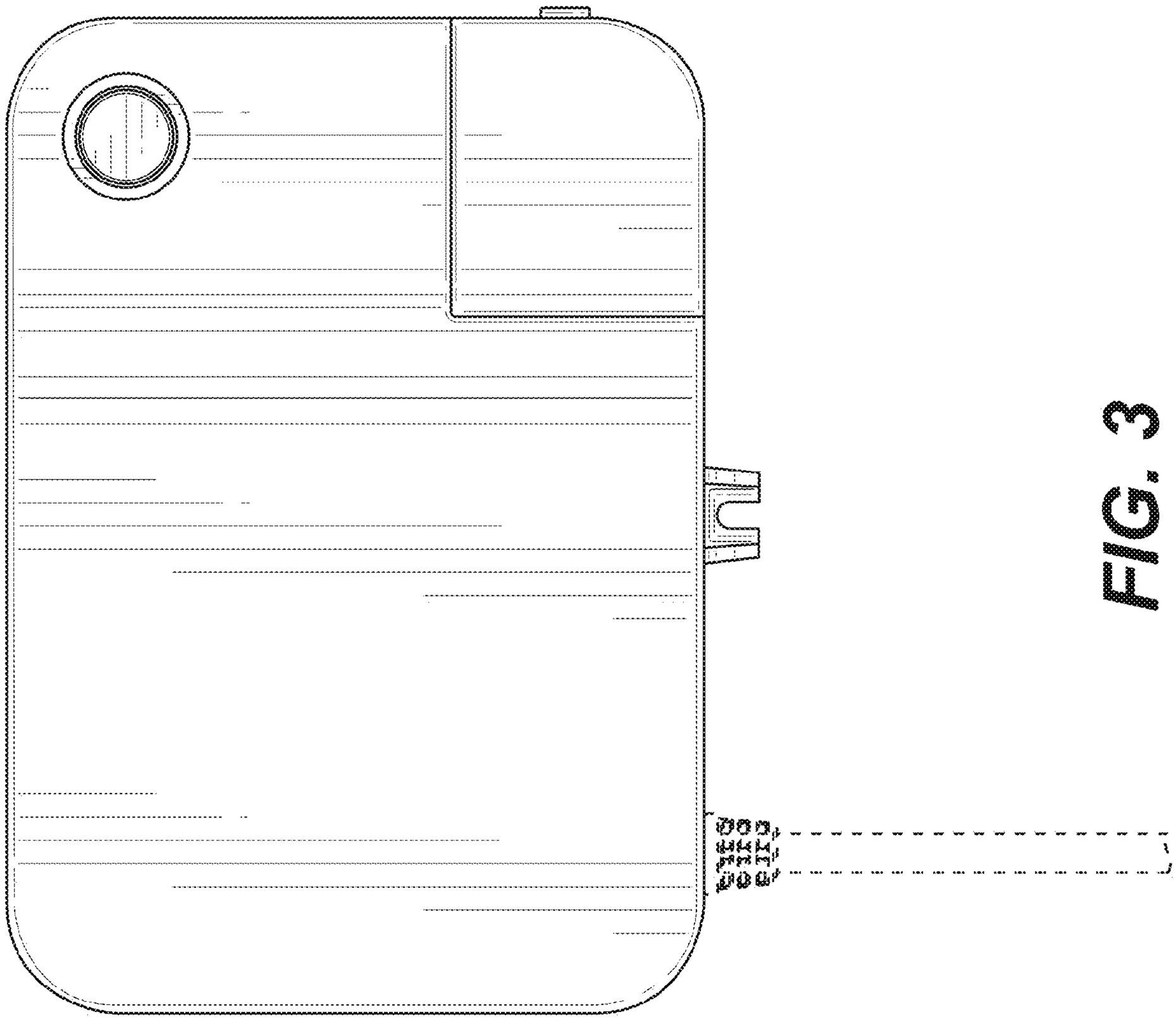


FIG. 3

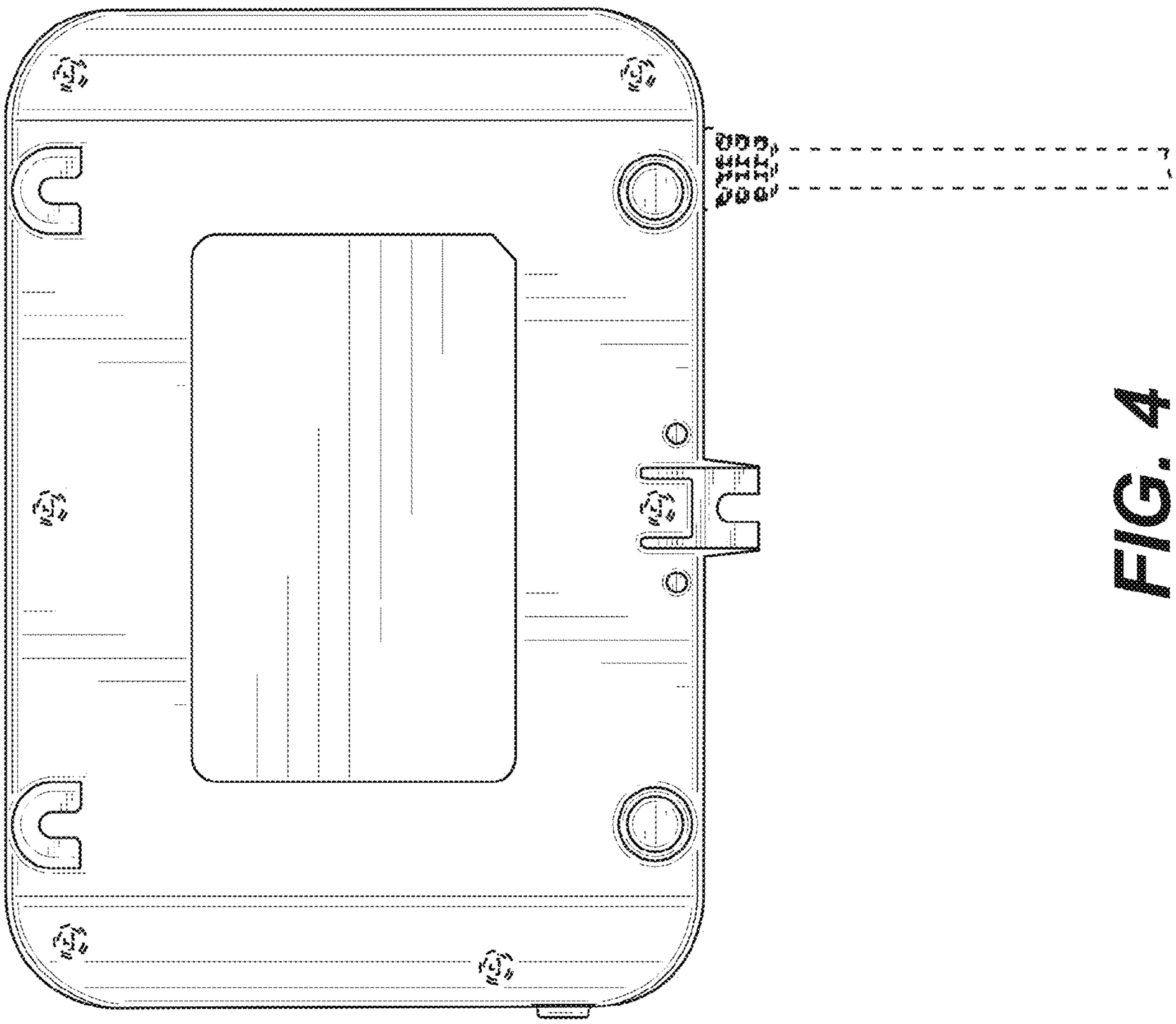
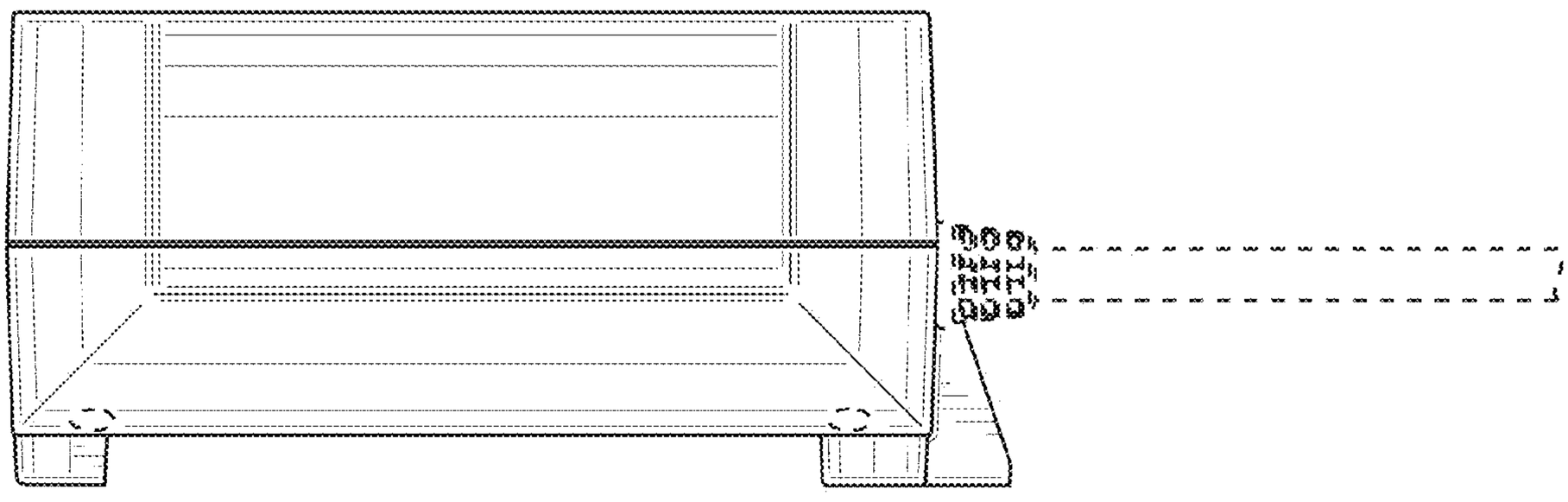


FIG. 4

FIG. 5



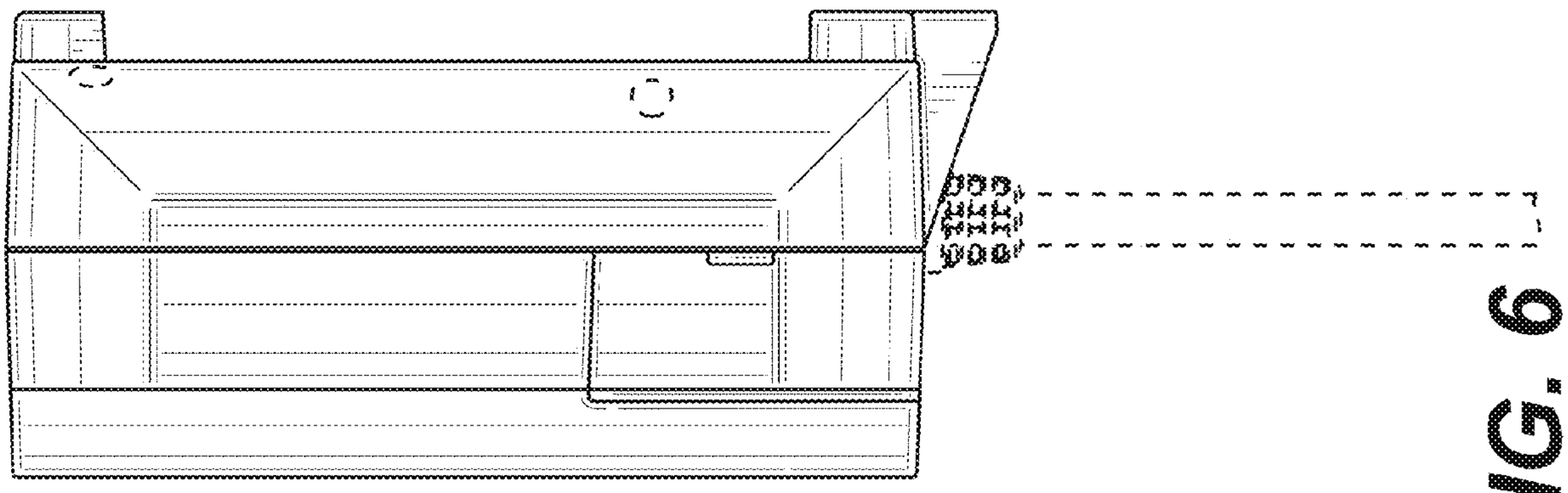


FIG. 6

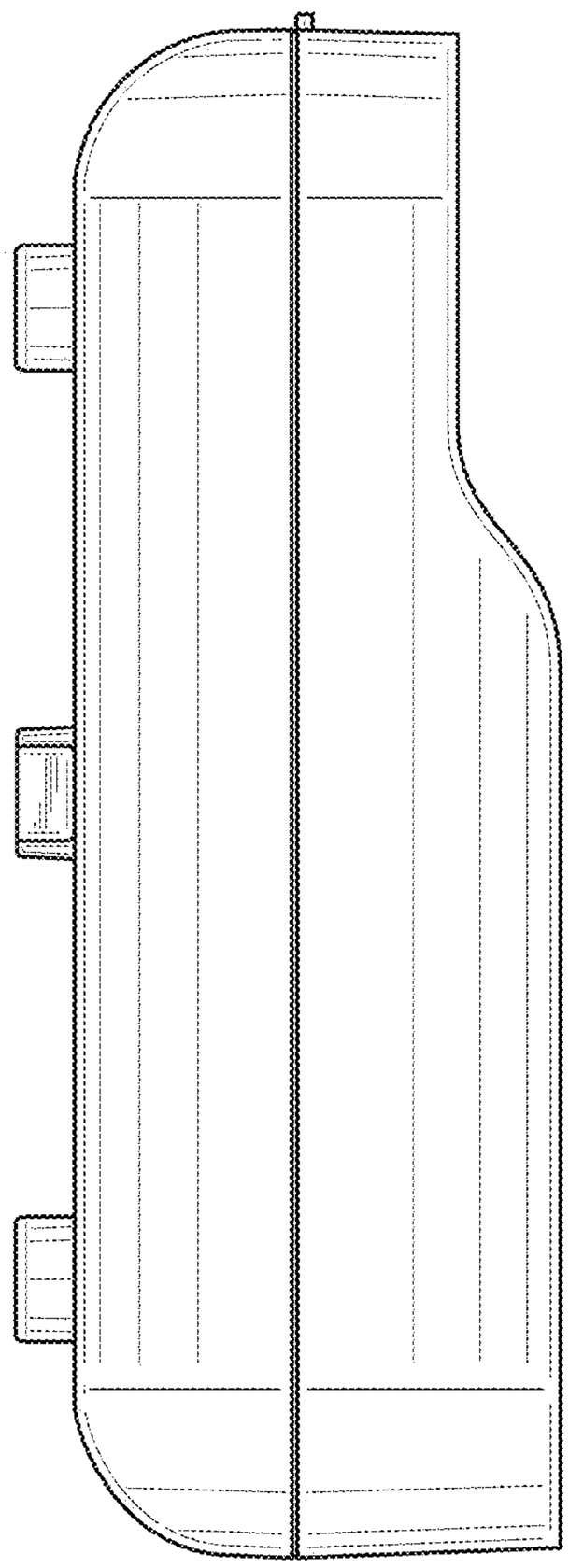


FIG. 7

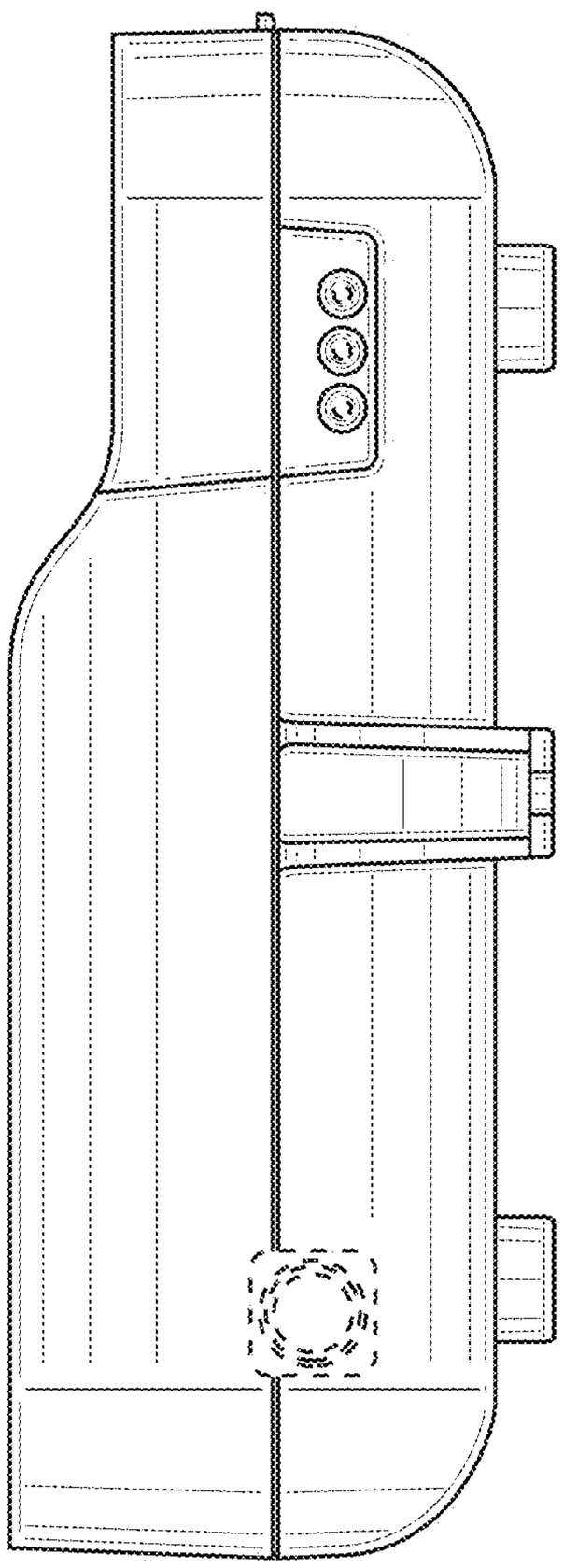


FIG. 8