



US00D915508S

(12) **United States Design Patent**
Minagawa

(10) **Patent No.:** **US D915,508 S**

(45) **Date of Patent:** **** Apr. 6, 2021**

(54) **INK CARTRIDGE**

(71) Applicant: **Yoshihisa Minagawa**, Ohta-ku (JP)

(72) Inventor: **Yoshihisa Minagawa**, Ohta-ku (JP)

(73) Assignee: **Ricoh Company, Ltd.**, Tokyo (JP)

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

(21) Appl. No.: **29/669,801**

(22) Filed: **Nov. 12, 2018**

(30) **Foreign Application Priority Data**

May 11, 2018 (JP) 2018-010327 U

(51) **LOC (13) Cl.** **18-02**

(52) **U.S. Cl.**
USPC **D18/56**

(58) **Field of Classification Search**
USPC D15/122, 135-138, 141, 66, 73, 76-78;
D18/53, 59, 50, 14, 19, 54-57, 36-45,
D18/34.4, 34.5, 34.6, 18, 51;
D14/301-303, 307, 345; D6/691.4, 675,
D6/708; D13/107, 108
CPC B41J 2/14; B41J 1/54; B41J 3/4073; B41J
3/4078; B41F 17/22; B41F 17/003; B41F
17/38; B28B 1/001; G03G 15/08; G03G
15/0891; G03G 15/0875; G03G
2215/0827; G03G 2215/0855; G03G
21/1842
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D313,426 S * 1/1991 Berriman D18/56
D354,076 S * 1/1995 Fukuda D18/36
D410,248 S * 5/1999 Gasvoda D18/56
D423,567 S * 4/2000 Ishigami 347/86
D424,612 S * 5/2000 Inoue 347/86

D425,553 S * 5/2000 Gasvoda D18/56
D426,261 S * 6/2000 Gardiner D18/56
D432,567 S * 10/2000 Gasvoda D18/2
D437,610 S * 2/2001 Gasvoda D18/56
D444,497 S * 7/2001 Gasvoda D18/56
D447,513 S * 9/2001 Miyazawa D18/56
D449,068 S * 10/2001 Miyazawa D18/56
D467,964 S * 12/2002 Shinano D18/56
D477,020 S * 7/2003 Seino 347/86
D478,344 S * 8/2003 Kinoshita D18/43
D489,756 S * 5/2004 Matsumoto D18/56
D536,374 S * 2/2007 Shinada 347/86
D540,855 S * 4/2007 Umezawa 347/86
D549,280 S * 8/2007 Morino 347/86
D556,258 S * 11/2007 Morino D18/56
D557,334 S * 12/2007 Morino D18/56
D559,893 S * 1/2008 Kouroku D18/40
D569,421 S * 5/2008 Matsumoto 347/86

(Continued)

Primary Examiner — George D. Kirschbaum

Assistant Examiner — Mary Claire Ramirez

(74) *Attorney, Agent, or Firm* — Oblon, McClelland,
Maier & Neustadt, L.L.P.

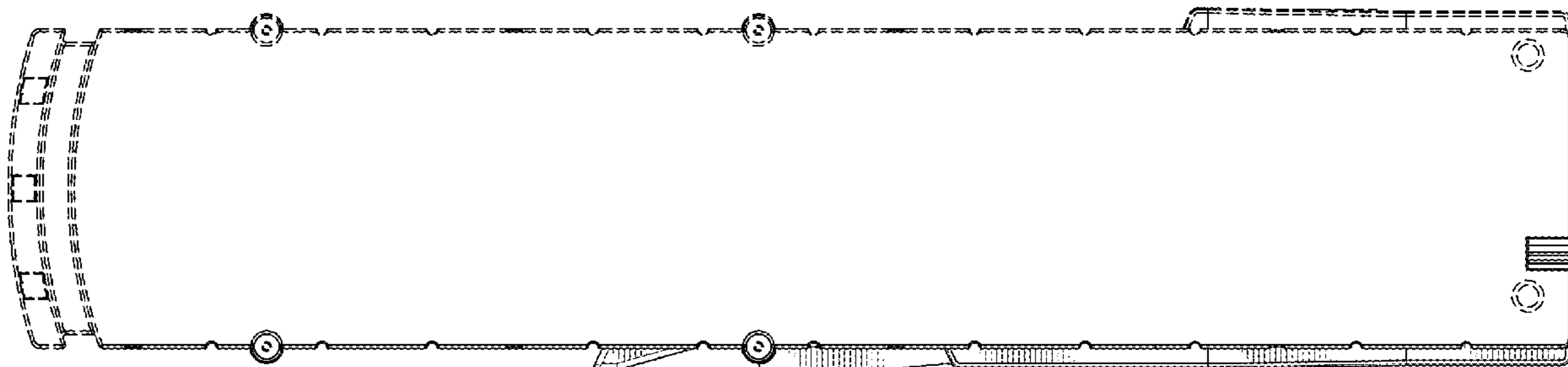
(57) **CLAIM**

The ornamental design for an ink cartridge, as shown and described.

DESCRIPTION

FIG. 1 is a rear, bottom, and right side perspective view of an ink cartridge showing the new design; FIG. 2 is a right side elevational view thereof; FIG. 3 is a left side elevational view thereof; FIG. 4 is a top plan view thereof; FIG. 5 is a bottom plan view thereof; FIG. 6 is a rear elevational view thereof; FIG. 7 is a front elevational view thereof; and, FIG. 8 is an enlarged rear elevational view thereof. The broken lines shown in the figures are for the purpose of illustrating portions of the ink cartridge that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



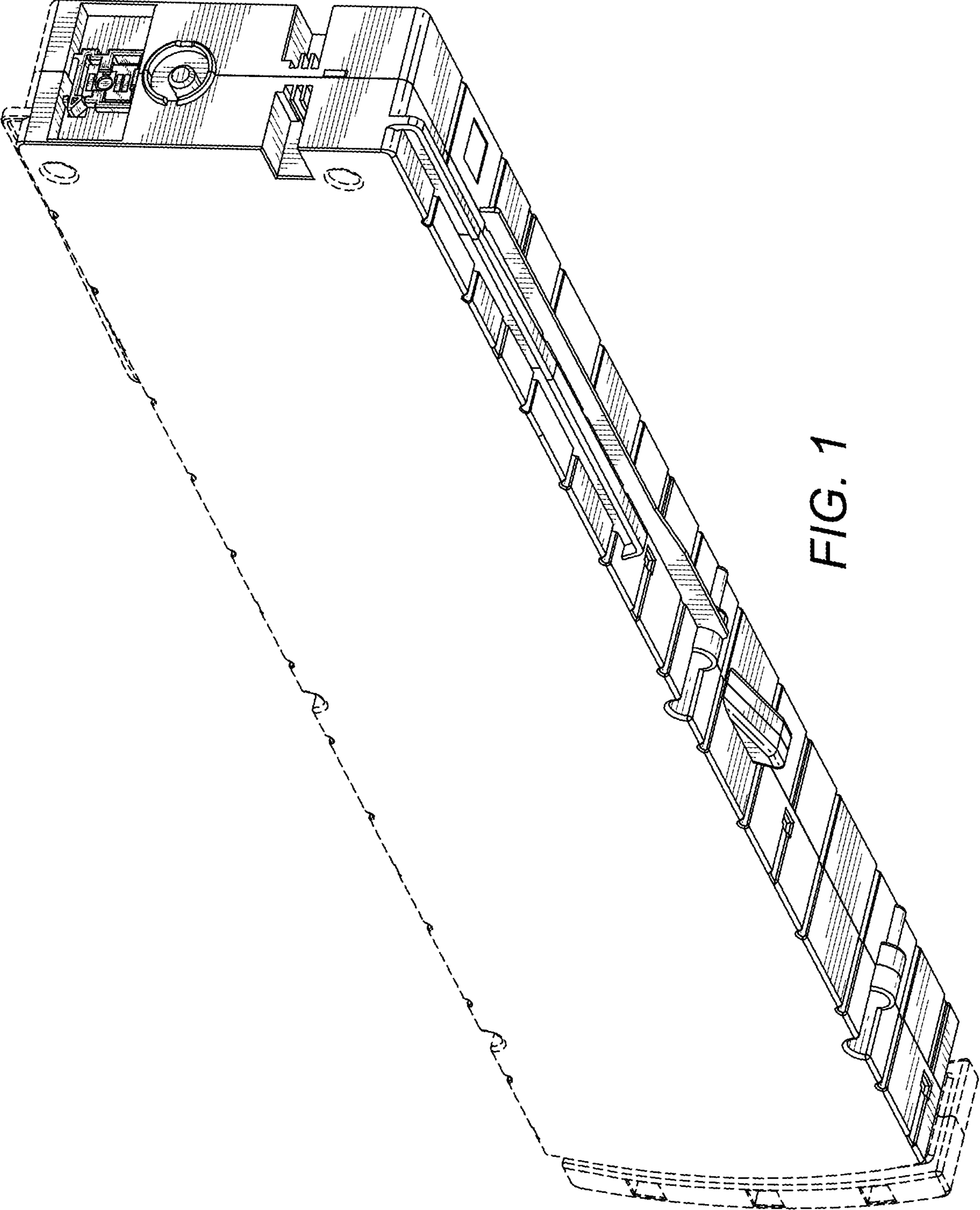
(56)

References Cited

U.S. PATENT DOCUMENTS

D580,485	S *	11/2008	Park	.....	D18/43
D580,971	S *	11/2008	Yuen	.....	D18/56
D586,849	S *	2/2009	Nozawa	.....	347/86
D587,748	S *	3/2009	Anderson, Jr.	.....	D18/56
D591,340	S *	4/2009	Nozawa	.....	347/86
D592,241	S *	5/2009	Nozawa	.....	347/86
D595,767	S *	7/2009	Hashimoto	.....	347/86
D629,040	S *	12/2010	Ricci	.....	D18/56
D637,227	S *	5/2011	Deng	.....	D18/56
D650,419	S *	12/2011	Butler	.....	D18/56
D656,184	S *	3/2012	Iwamuro	.....	D18/56
D656,185	S *	3/2012	Oya	.....	D18/56
D656,540	S *	3/2012	Oya	.....	D18/56
D666,240	S *	8/2012	Kawate	.....	D18/56
D677,722	S *	3/2013	Mizuno	.....	D18/56
D678,404	S *	3/2013	Saito	.....	D18/56
D678,405	S *	3/2013	Okuda	.....	D18/56
D678,408	S *	3/2013	Egami	.....	D18/56
D682,929	S *	5/2013	Aoki	.....	D18/56
D682,930	S *	5/2013	Aoki	.....	D18/56
D695,823	S *	12/2013	Nozawa	.....	D18/56
8,931,887	B2 *	1/2015	Aoki	.....	B41J 2/1721
					347/86
8,960,871	B2 *	2/2015	Karasawa	.....	B41J 2/17566
					347/86
D767,674	S *	9/2016	Nanjo	.....	D18/56
9,440,755	B2 *	9/2016	Aoki	.....	B65B 3/045
D787,586	S *	5/2017	Van Den Broecke	.....	D18/56
D817,392	S *	5/2018	Koizumi	.....	D18/56

* cited by examiner



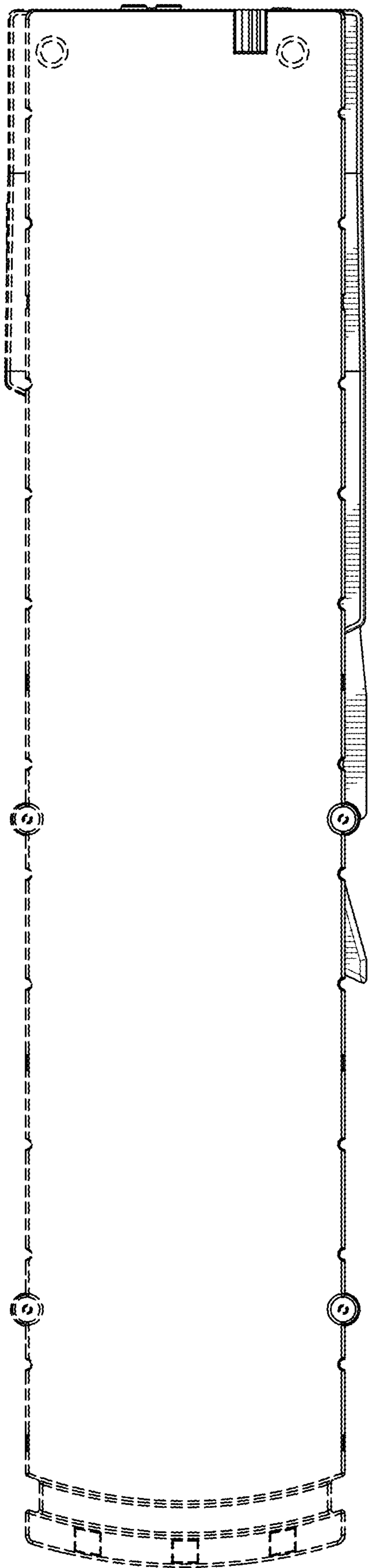


FIG. 2

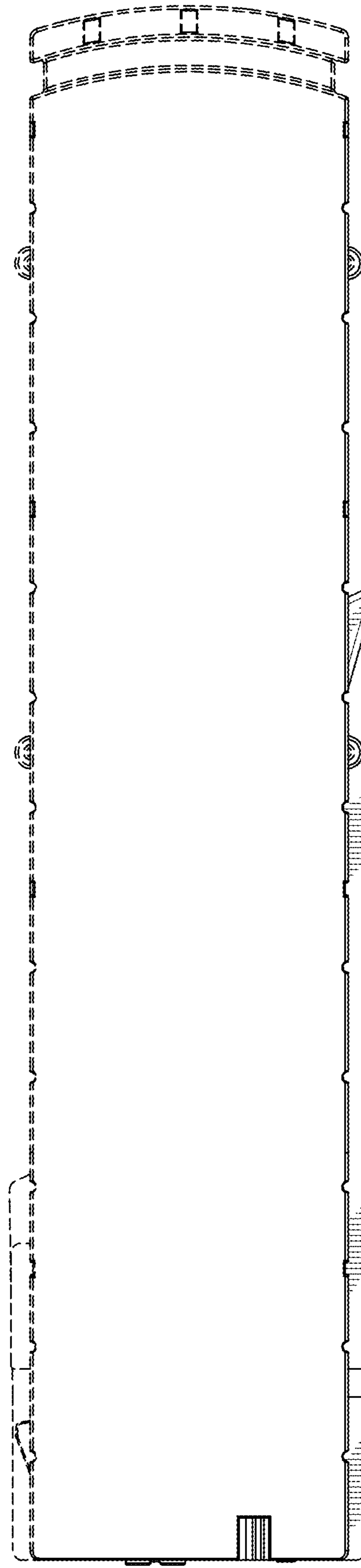


FIG. 3

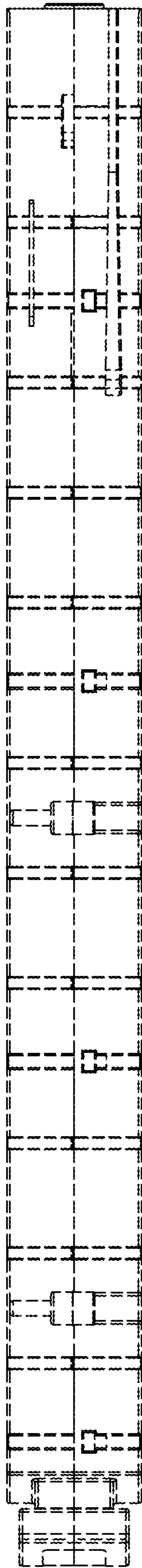


FIG. 4

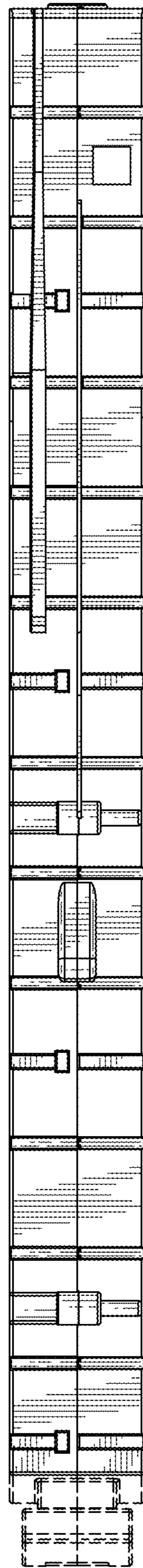


FIG. 5

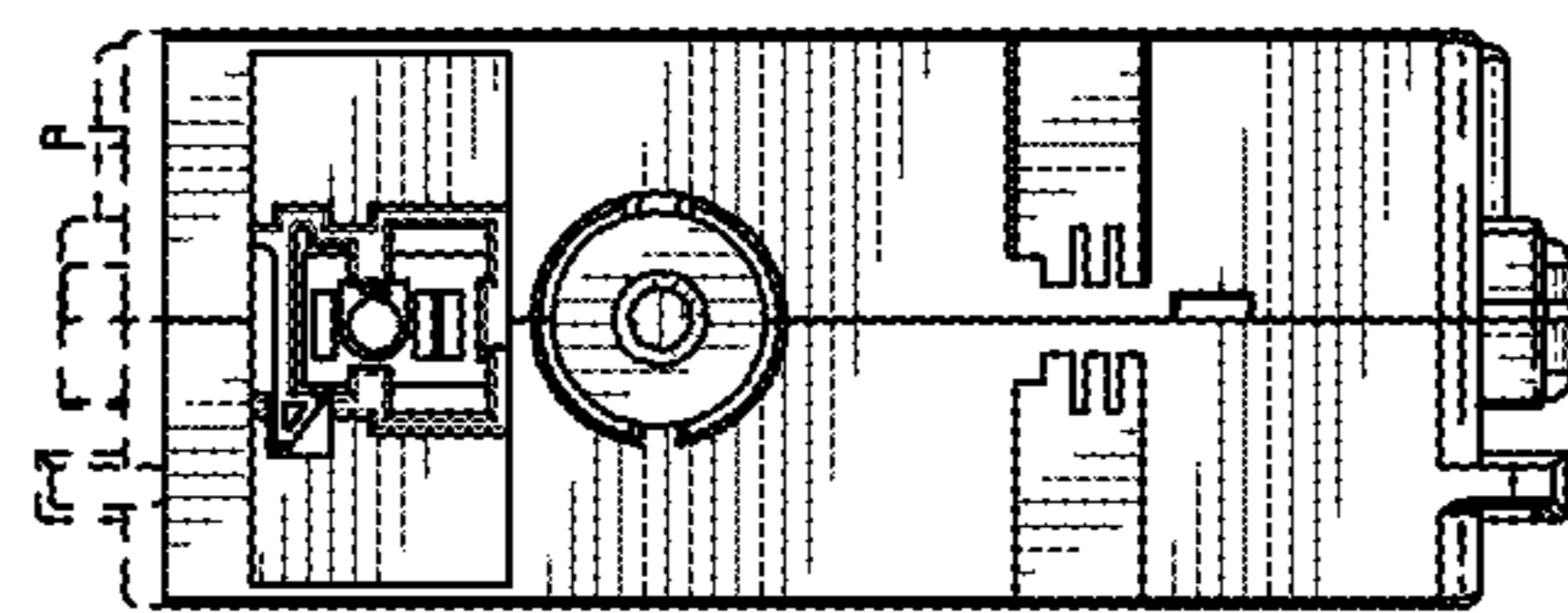


FIG. 6

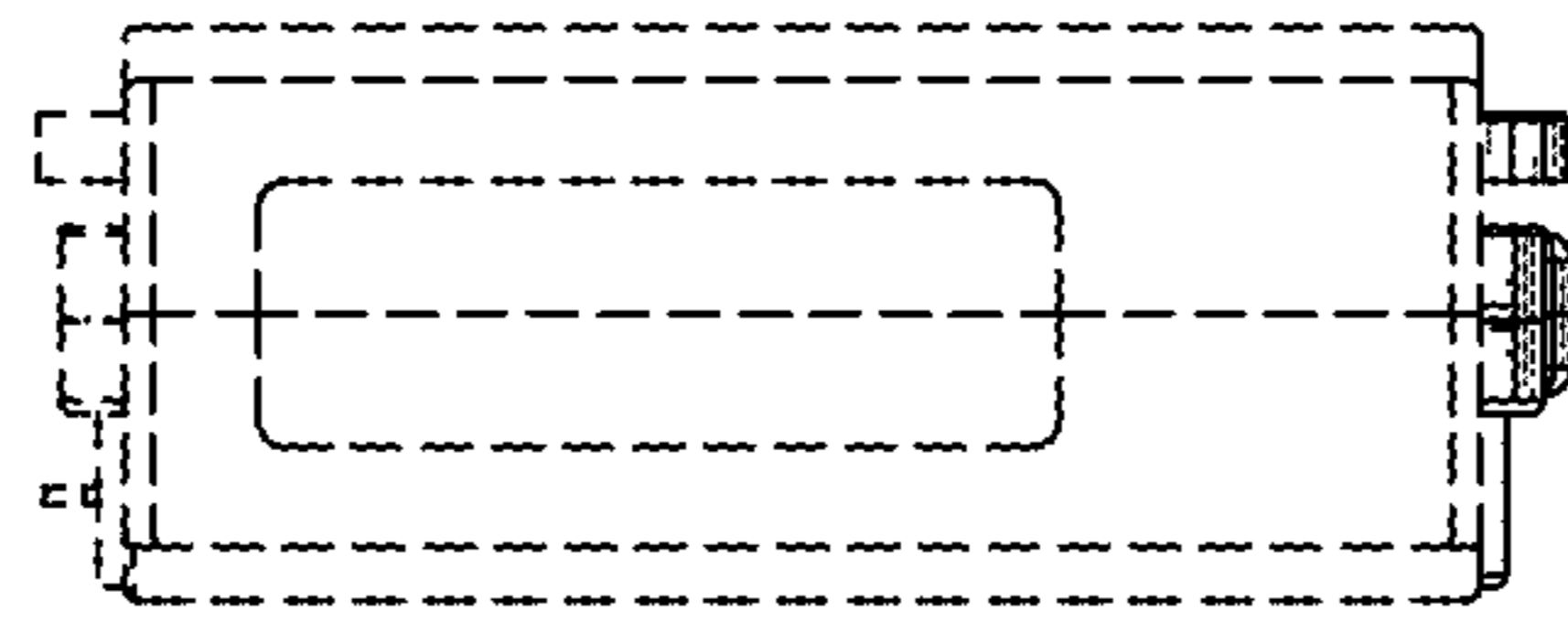


FIG. 7

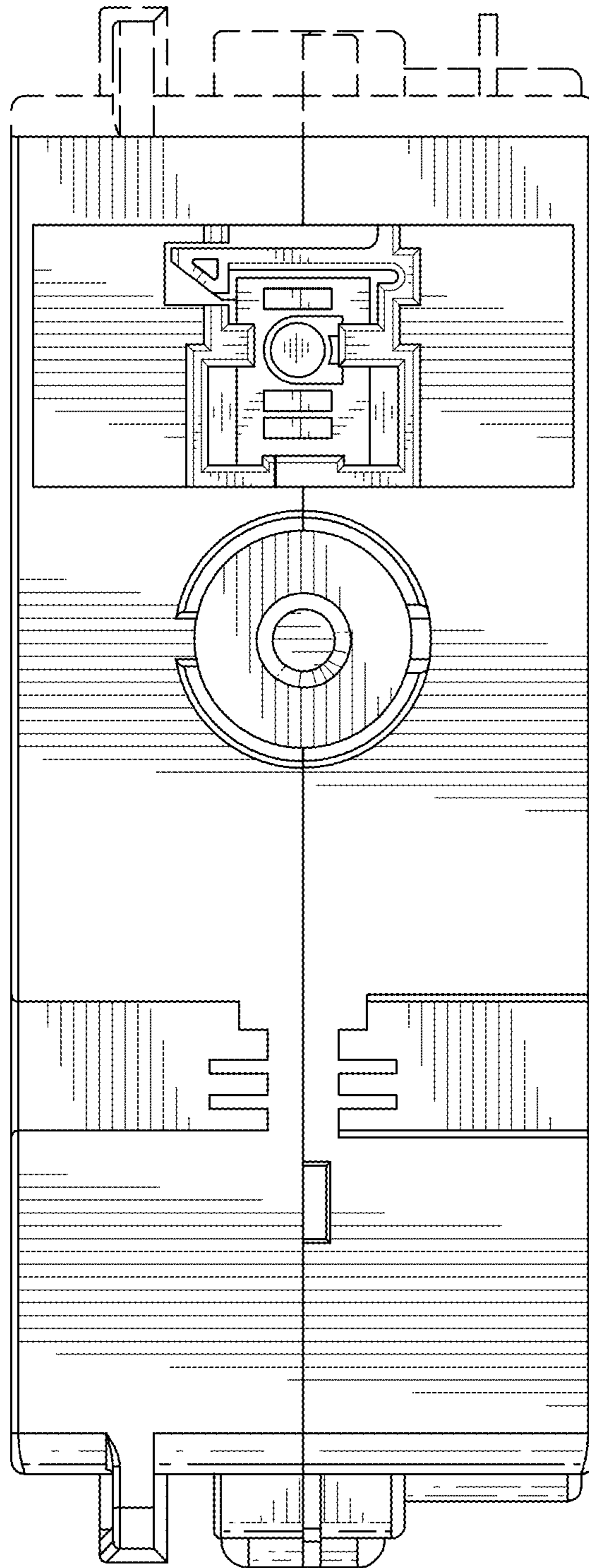


FIG. 8