

(12) **United States Design Patent** (10) **Patent No.:** **US D908,169 S**
Ikeda et al. (45) **Date of Patent:** **** Jan. 19, 2021**

(54) **TONER CARTRIDGE**

(71) Applicant: **KONICA MINOLTA, INC.**, Tokyo (JP)

(72) Inventors: **Hideaki Ikeda**, Toyokawa (JP); **Hideji Higashimura**, Toyokawa (JP); **Takeru Kinoshita**, Toyokawa (JP)

(73) Assignee: **KONICA MINOLTA, INC.**, Tokyo (JP)

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

(21) Appl. No.: **29/673,274**

(22) Filed: **Dec. 13, 2018**

(30) **Foreign Application Priority Data**

Sep. 21, 2018 (JP) 2018-020532

(51) **LOC (13) Cl.** **16-03**

(52) **U.S. Cl.**
 USPC **D18/43; 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

D400,916 S * 11/1998 Ui D18/43
 D404,758 S * 1/1999 Koide D18/43
 D430,197 S * 8/2000 Wang D18/43

(Continued)

Primary Examiner — Dana K Weiland

Assistant Examiner — Mary Claire Ramirez

(74) *Attorney, Agent, or Firm* — Buchanan Ingersoll & Rooney PC

(57) **CLAIM**

The ornamental design for a toner cartridge, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of a toner cartridge showing our new design;

FIG. 2 is a rear elevational view thereof;

FIG. 3 is a left side elevational view thereof;

FIG. 4 is a right side elevational view thereof;

FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof;

FIG. 7 is a front, left and top perspective view thereof;

FIG. 8 is an enlarged view of the portion of the toner cartridge demarcated as 8 in FIG. 1;

FIG. 9 is an enlarged view of the portion of the toner cartridge demarcated as 9 in FIG. 2;

FIG. 10 is an enlarged view of the toner cartridge shown in FIG. 3;

FIG. 11 is an enlarged view of the toner cartridge shown in FIG. 4;

FIG. 12 is an enlarged view of the portion of the toner cartridge demarcated as 12 in FIG. 5;

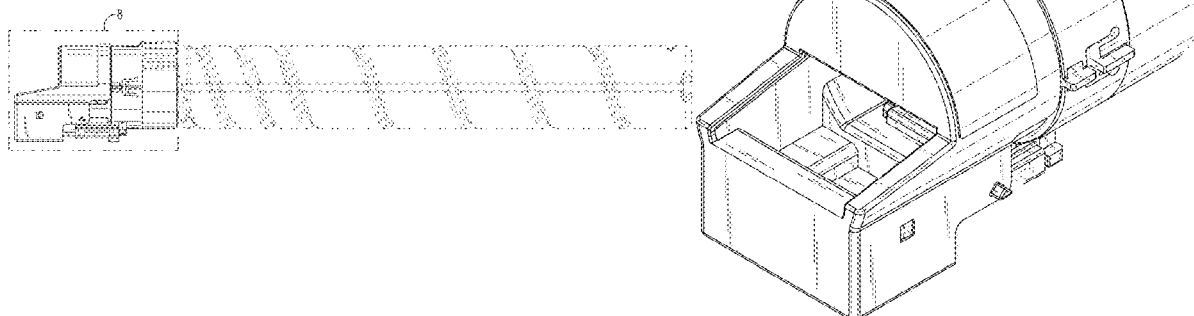
FIG. 13 is an enlarged view of the portion of the toner cartridge demarcated as 13 in FIG. 6;

FIG. 14 is an enlarged view of the portion of the toner cartridge demarcated as 14 in FIG. 7; and,

FIG. 15 is another perspective view showing the toner cartridge in a state of use.

The broken line showing of portions of the toner cartridge form no part of the claimed design. The broken lines showing toner cartridges in FIG. 15 are for environmental purposes only and form no part of the claimed design.

1 Claim, 12 Drawing Sheets



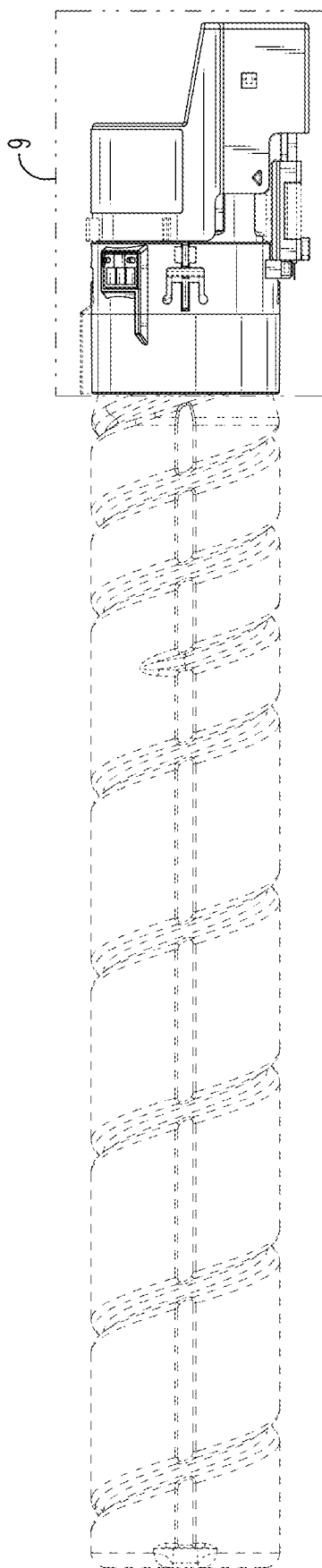
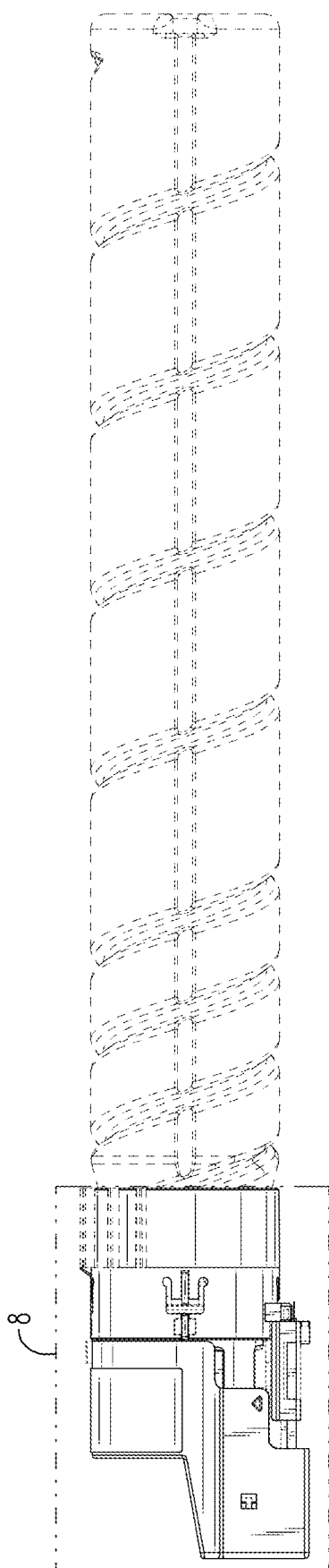
(56)

References Cited

U.S. PATENT DOCUMENTS

D436,121	S *	1/2001	Wang	.....	D18/43
D442,986	S *	5/2001	Tsuji	.....	D18/43
D472,572	S *	4/2003	Kaiho	.....	D18/43
D500,076	S *	12/2004	Takuwa	.....	D18/43
D531,662	S *	11/2006	Tsuda	.....	D18/43
D532,037	S *	11/2006	Tsuda	.....	D18/43
D599,845	S *	9/2009	Kurenuma	.....	D18/43
D602,519	S *	10/2009	Kurenuma	.....	D18/43
D602,985	S *	10/2009	Yoshizawa	.....	D18/43
D622,311	S *	8/2010	Yoshida	.....	D18/43
D622,759	S *	8/2010	Yoshida	.....	D18/43
D630,243	S *	1/2011	Takiguchi	.....	D18/43
D630,244	S *	1/2011	Takiguchi	.....	D18/43
D636,435	S *	4/2011	Naito	.....	D18/43
D636,436	S *	4/2011	Takami	.....	D18/43
D636,813	S *	4/2011	Kikuchi	.....	D18/43
8,005,406	B2 *	8/2011	Hosokawa	.....	G03G 15/0886
					399/258
D653,702	S *	2/2012	Amberg	.....	D18/43
D655,748	S *	3/2012	Takami	.....	D18/43
D656,181	S *	3/2012	Kikuchi	.....	D18/43
D689,129	S *	9/2013	Okino	.....	D18/43
D711,462	S *	8/2014	Jimba	.....	D18/43
D712,459	S *	9/2014	Koshimori	.....	D18/43
D718,382	S *	11/2014	Kikuchi	.....	D18/43
D758,482	S *	6/2016	Takahashi	.....	G03G 15/55
					D18/43
9,465,317	B2 *	10/2016	Kikuchi	.....	G03G 15/0886
9,482,988	B2 *	11/2016	Hosokawa	.....	G03G 15/0877
D793,472	S *	8/2017	Suzuki	.....	D18/43
D795,339	S *	8/2017	Kuboki	.....	D18/43
D796,575	S *	9/2017	Murata	.....	D18/43
D798,380	S *	9/2017	Murata	.....	D18/43
D816,153	S *	4/2018	Oizumi	.....	D18/43
D829,813	S *	10/2018	Kubo	.....	D18/43
D829,814	S *	10/2018	Kubo	.....	D18/43
D855,105	S *	7/2019	Uesugi	.....	D18/40
D864,288	S *	10/2019	Oizumi	.....	D18/43
D879,194	S *	3/2020	Kikuchi	.....	D18/43
D894,267	S *	8/2020	Ikeda	.....	D18/43
10,761,474	B2 *	9/2020	Yamaoka	.....	G03G 15/0867
2004/0184841	A1 *	9/2004	Tsuda	.....	G03G 15/0872
					399/258
2006/0034642	A1 *	2/2006	Taguchi	.....	G03G 15/0879
					399/258
2007/0077100	A1 *	4/2007	Suzuki	.....	G03G 15/0886
					399/262
2007/0122205	A1 *	5/2007	Taguchi	.....	G03G 15/0855
					399/258
2010/0202802	A1 *	8/2010	Takeshita	.....	G03G 9/107
					399/258
2012/0195645	A1 *	8/2012	Takami	.....	G03G 15/0886
					399/262
2012/0321341	A1 *	12/2012	Hori	.....	G03G 15/0877
					399/110
2014/0294435	A1 *	10/2014	Kikuchi	.....	G03G 15/0868
					399/106
2017/0176891	A1 *	6/2017	Chuang	.....	G03G 15/0865
2017/0293239	A1 *	10/2017	Murata	.....	G03G 15/0872
2018/0143565	A1 *	5/2018	Chuang	.....	G03G 15/0872
2019/0339633	A1 *	11/2019	Yasuda	.....	G03G 15/0886
2020/0081372	A1 *	3/2020	Kinoshita	.....	G03G 15/0886

* cited by examiner



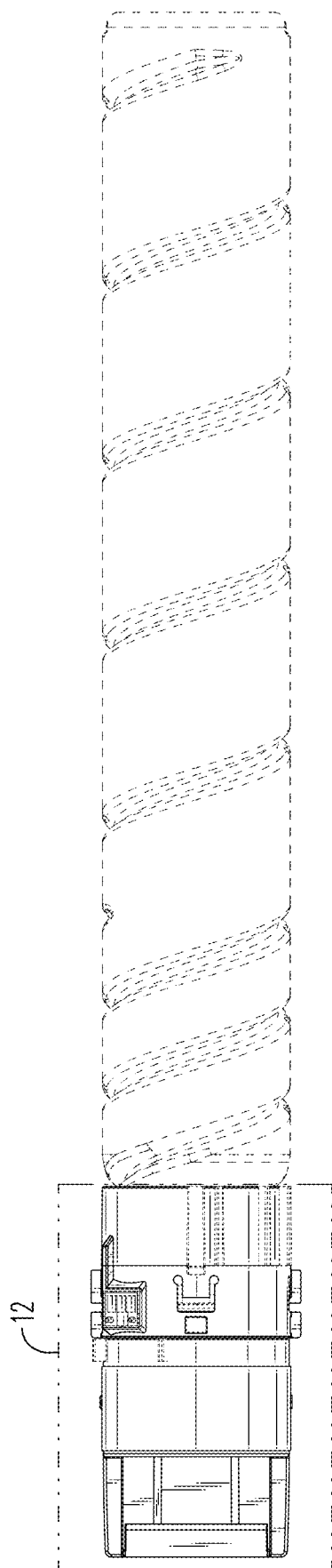


FIG. 5

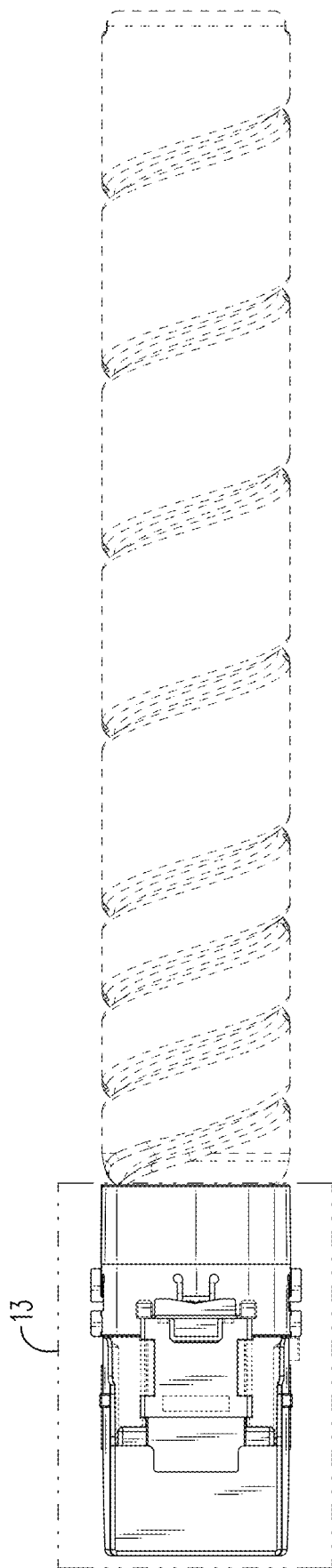
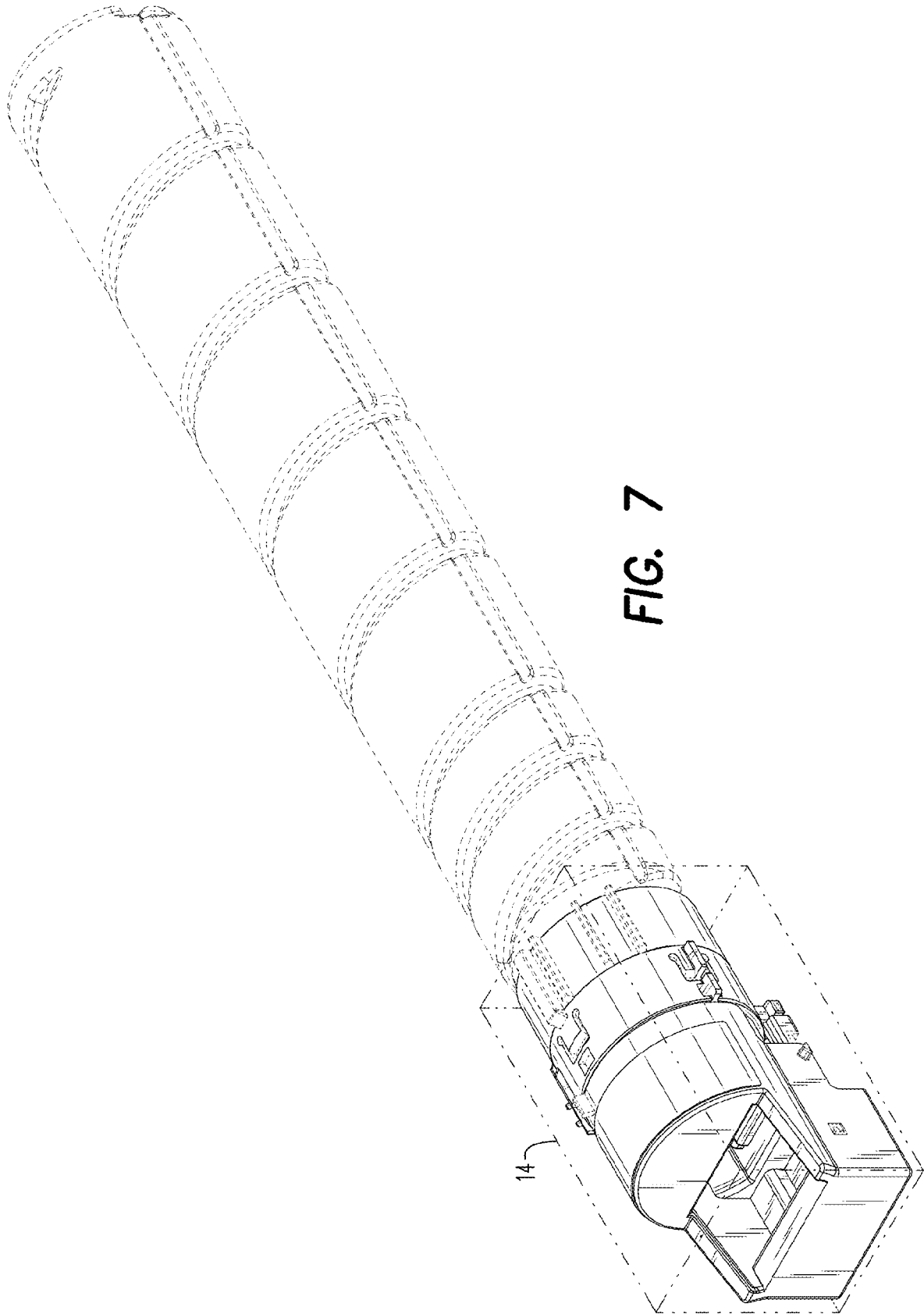


FIG. 6



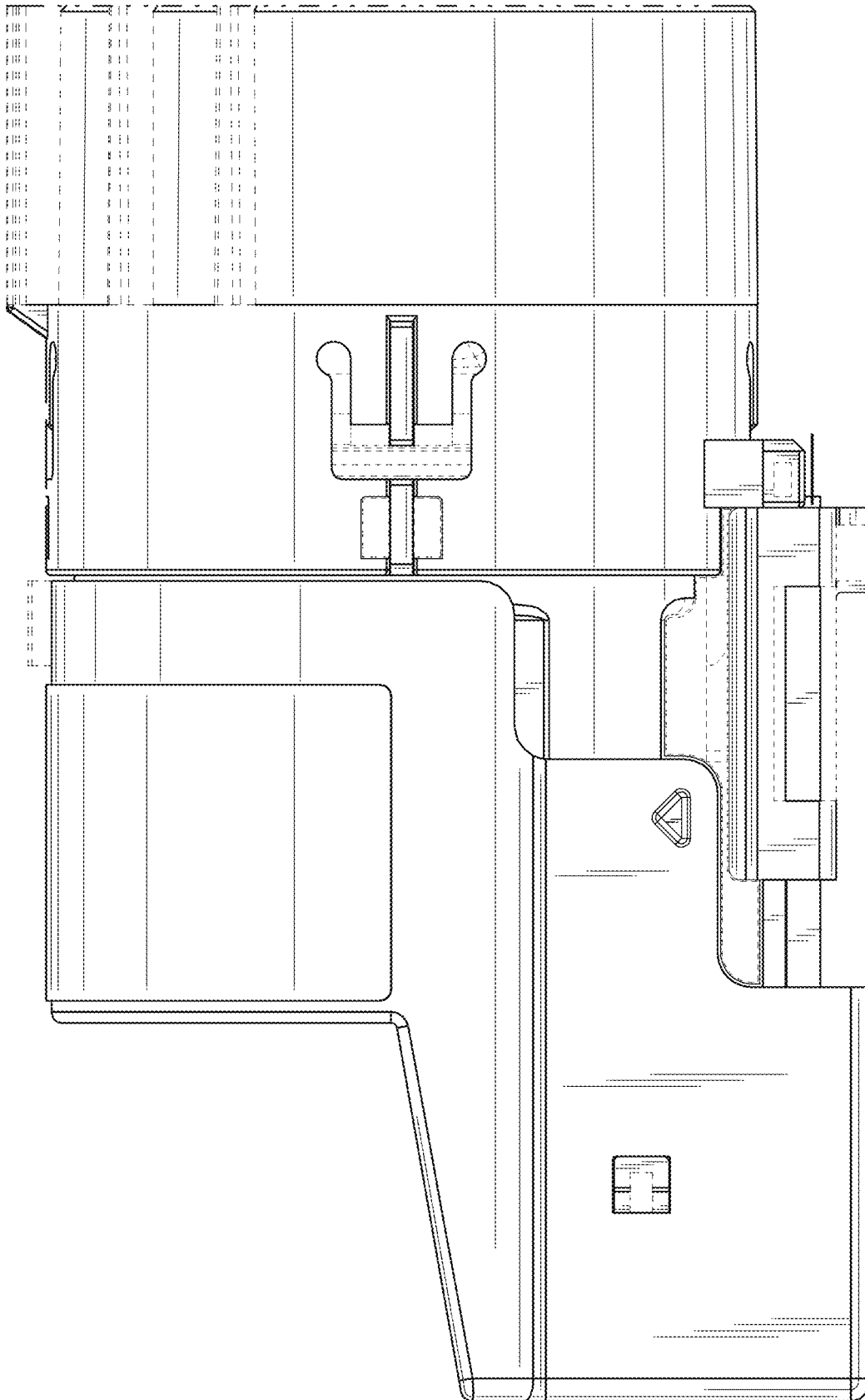


FIG. 8

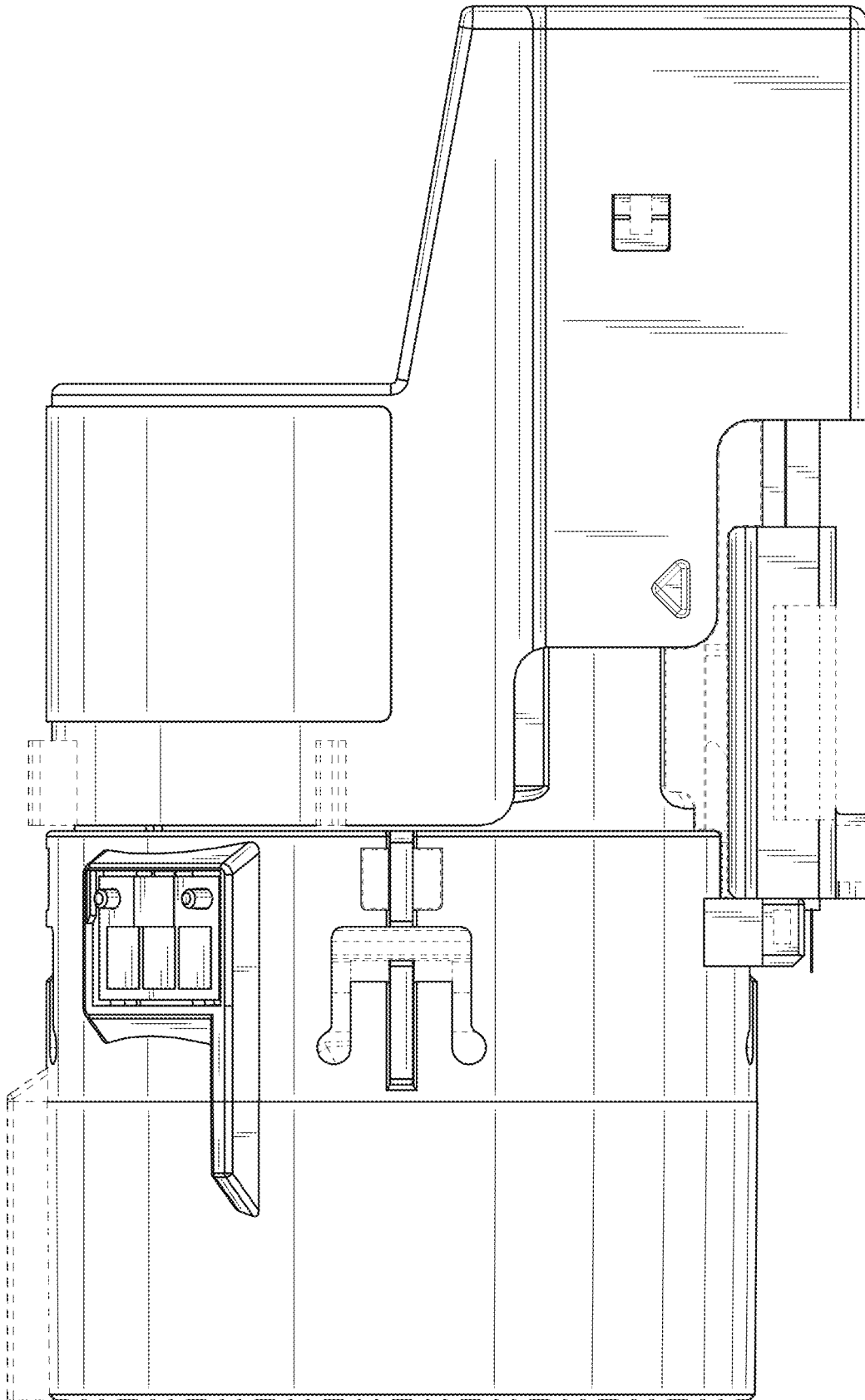


FIG. 9

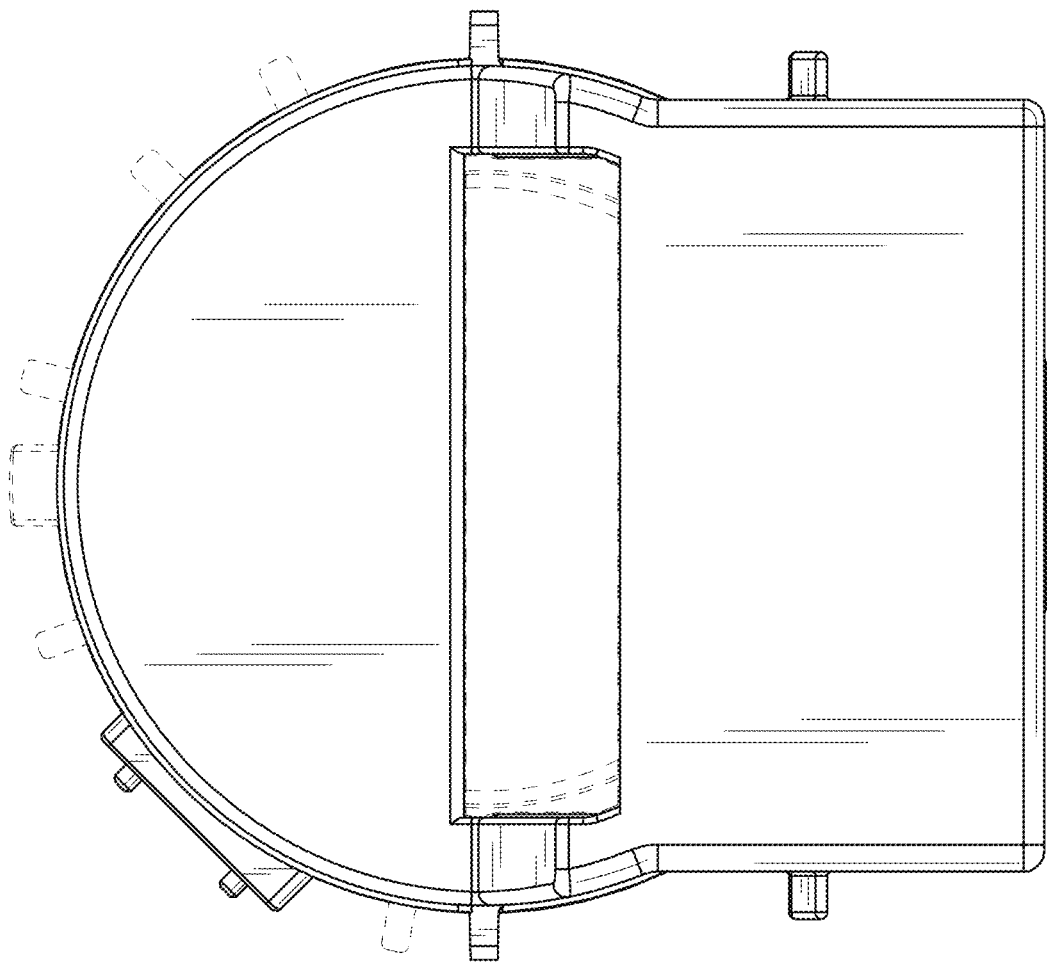


FIG. 10

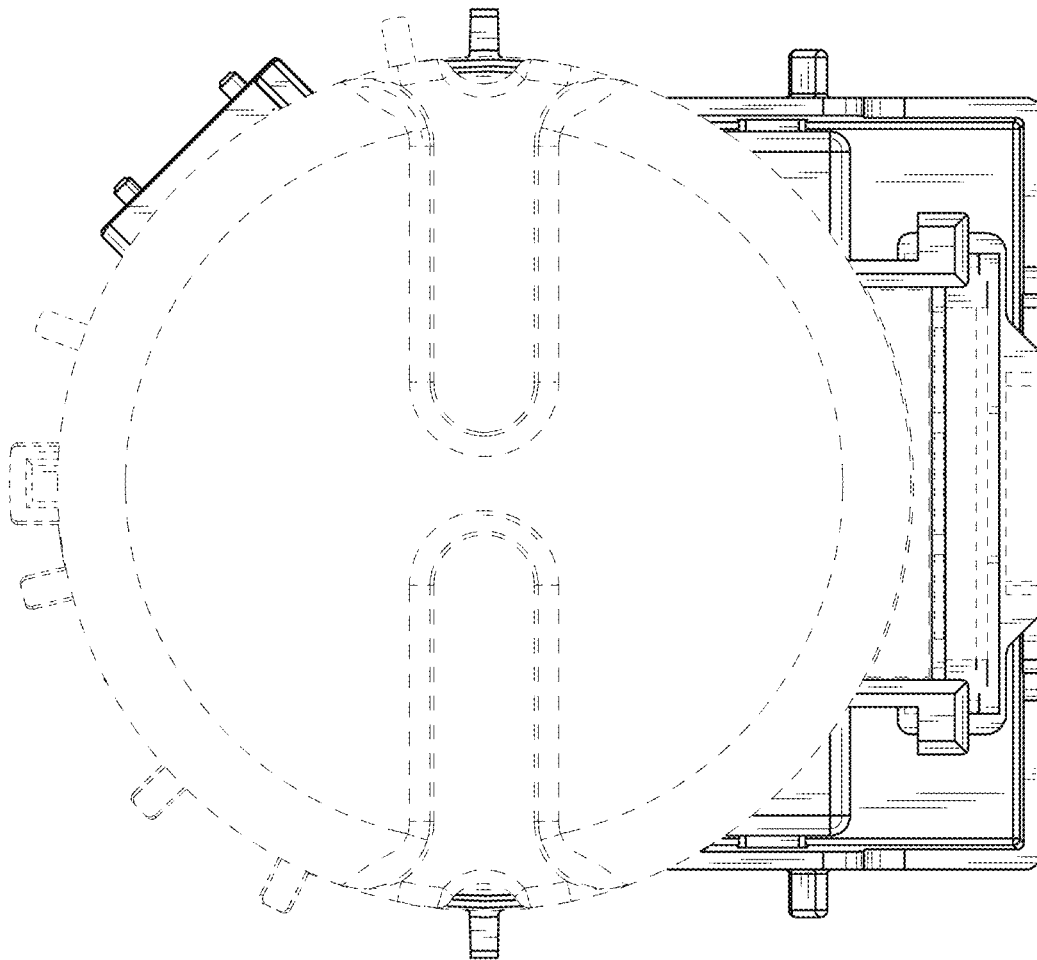


FIG. 11

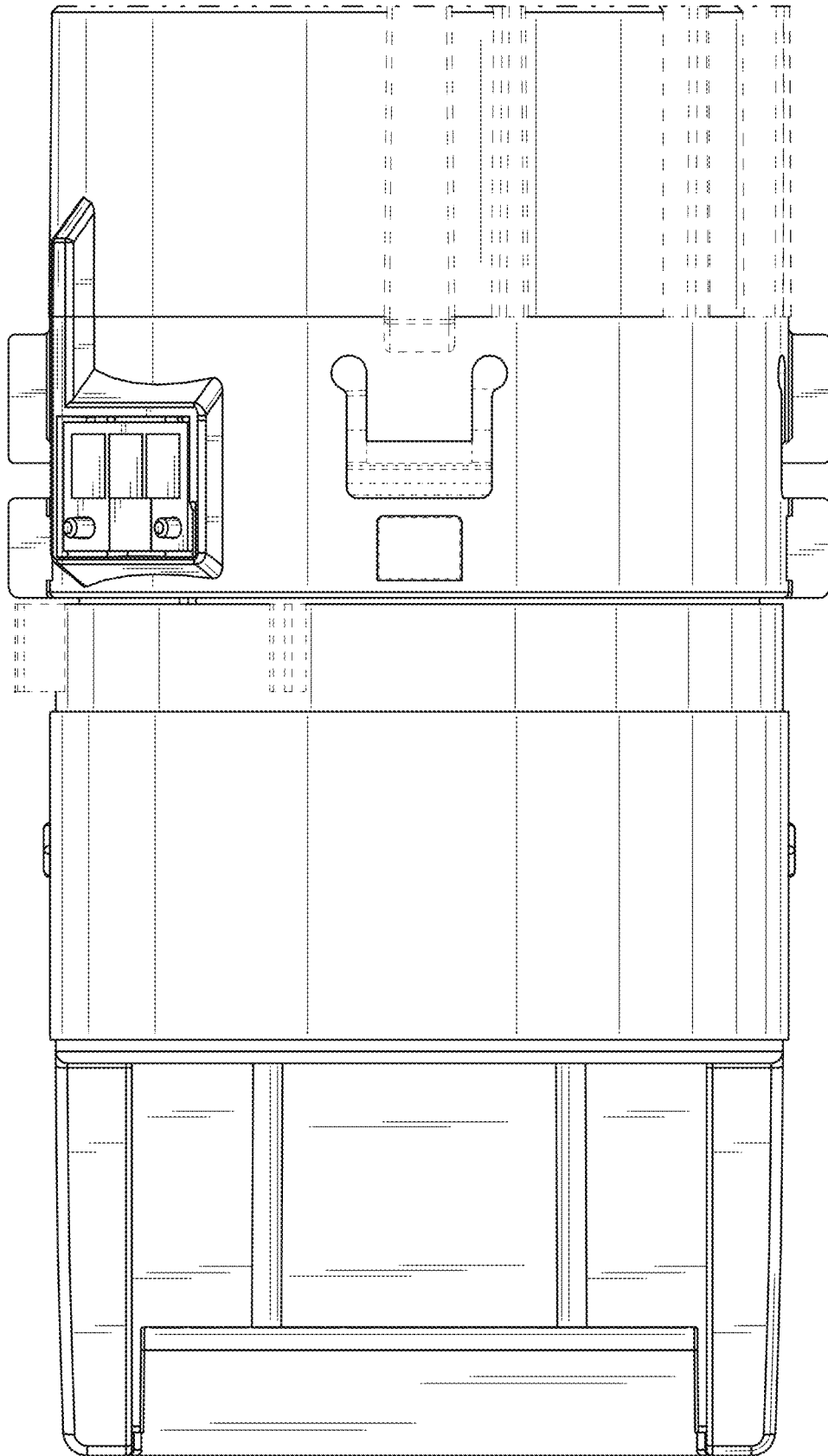


FIG. 12

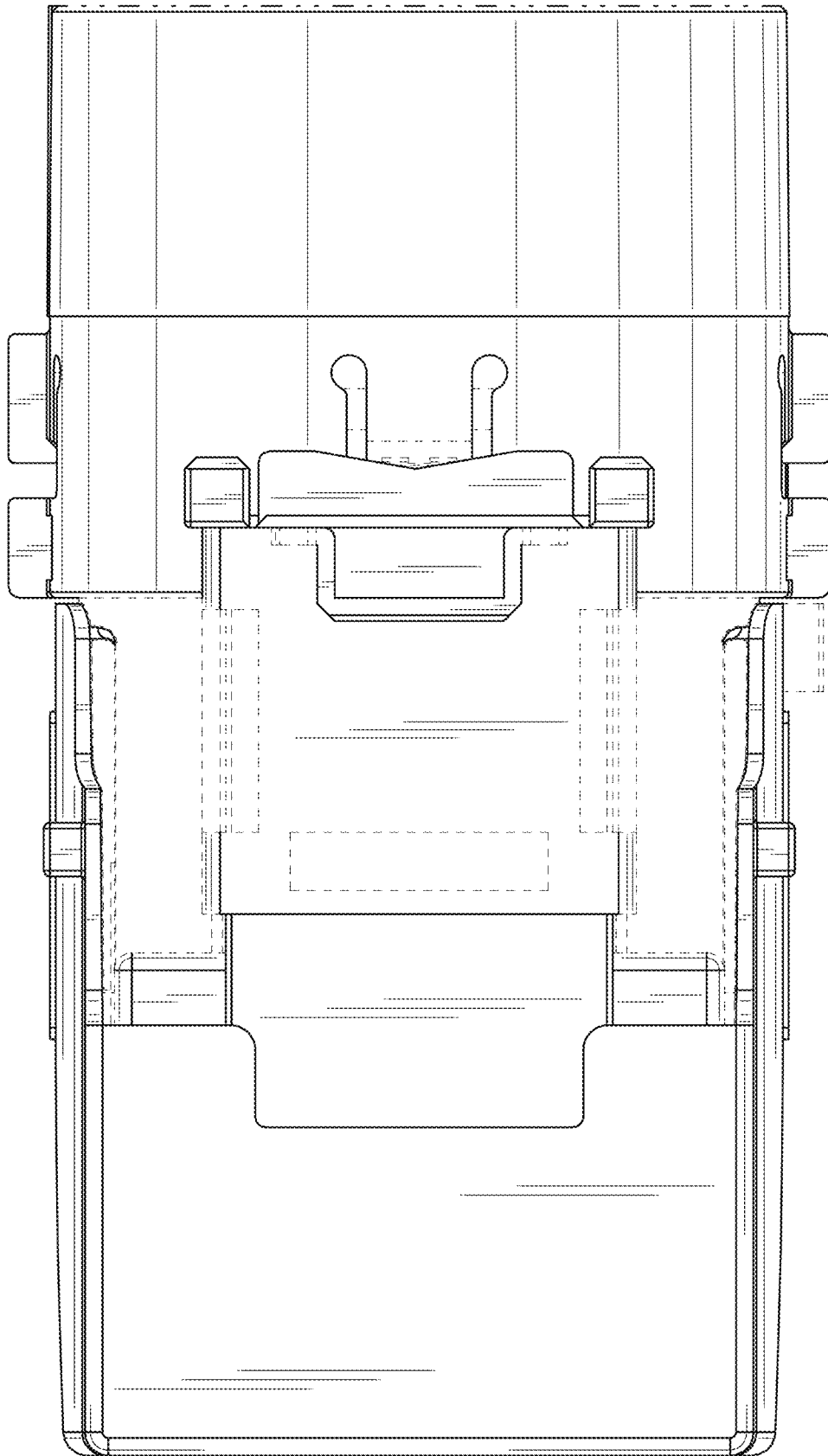
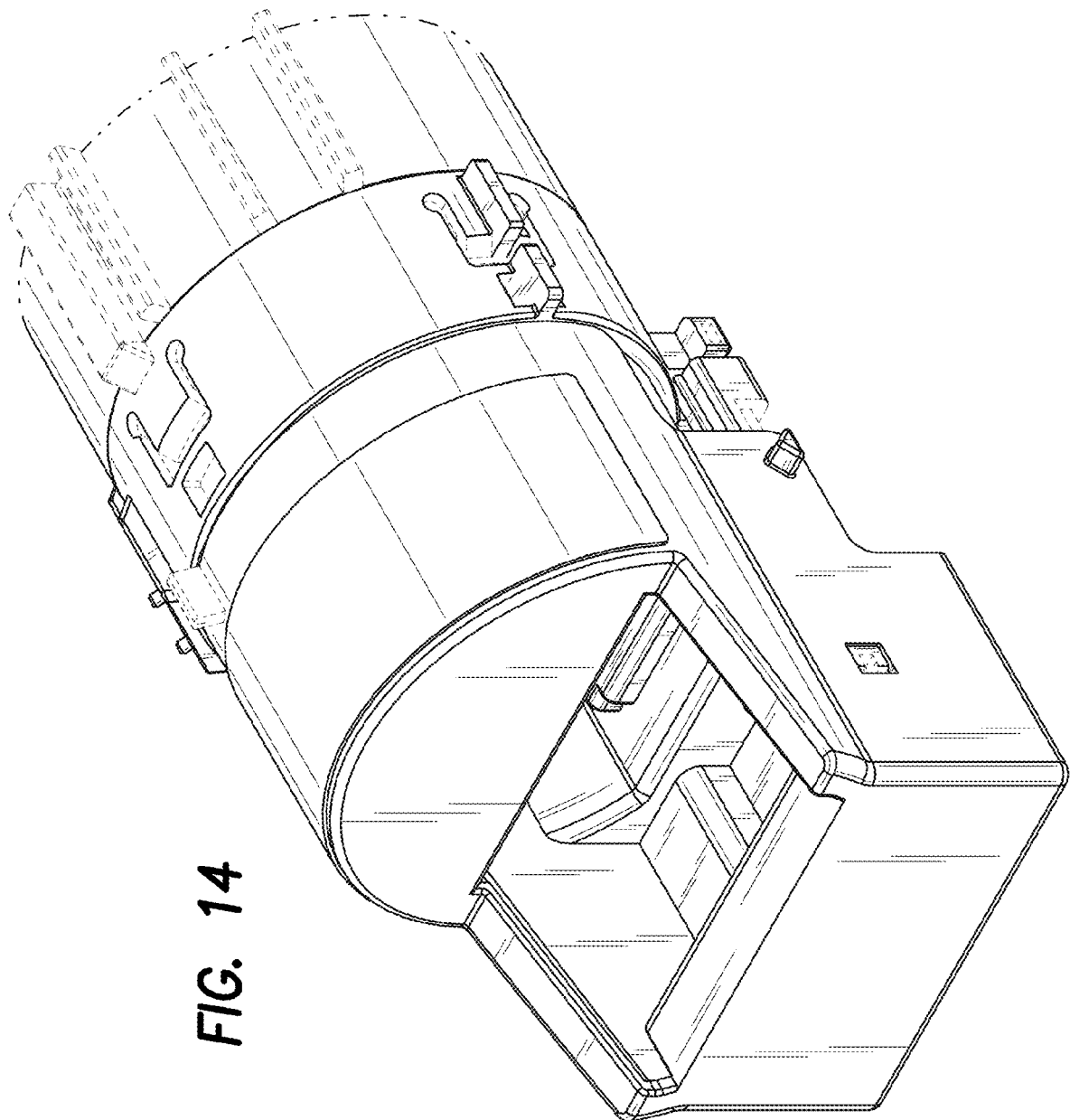


FIG. 13



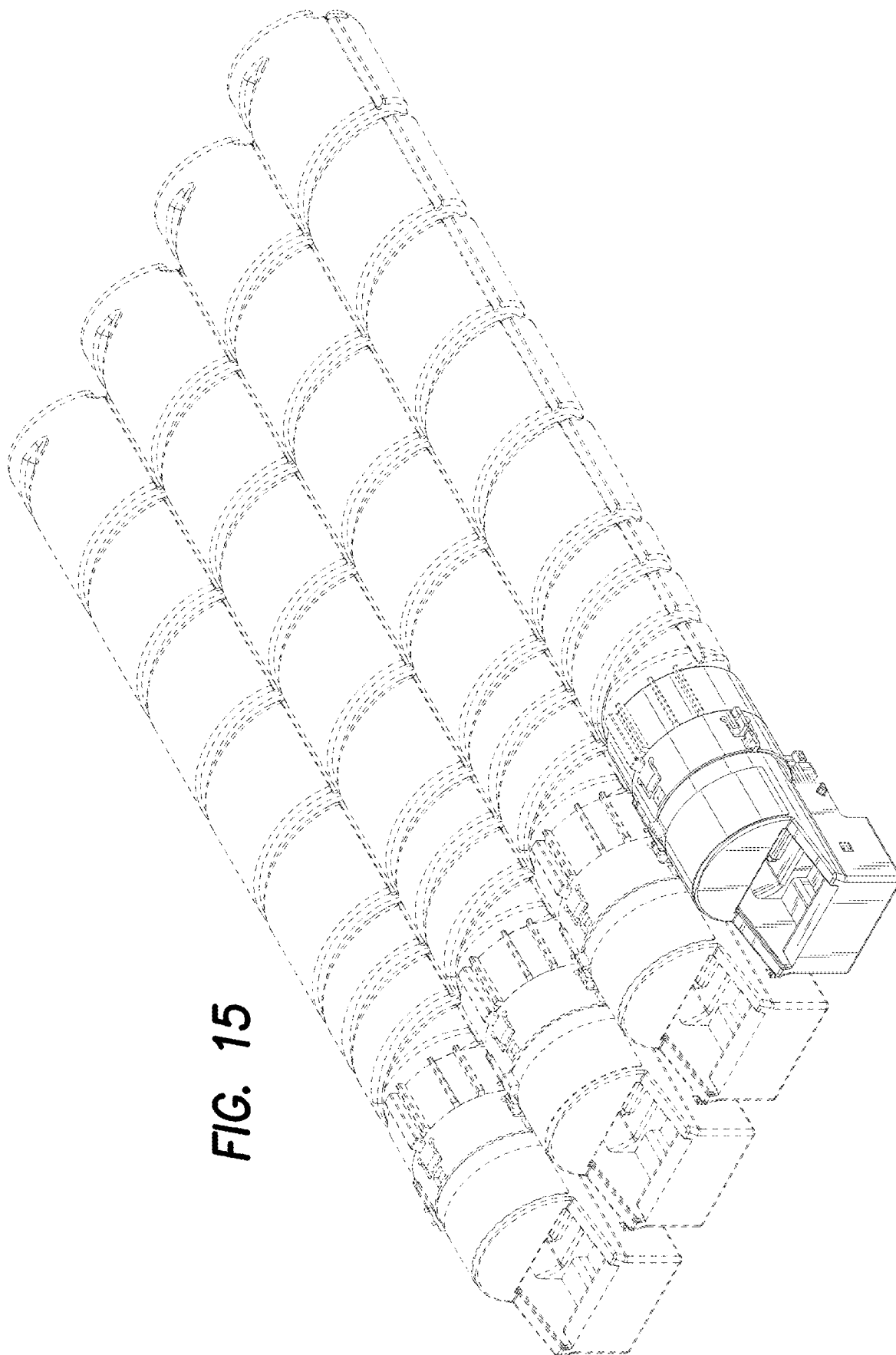


FIG. 15