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

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(45) **Date of Patent: ** May 16, 2023**

(54) **COMBINED PRINT LIQUID SUPPLY CAP AND KEY**

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

(21) Appl. No.: **29/776,438**

(22) Filed: **Mar. 30, 2021**

Related U.S. Application Data

(63) Continuation of application No. 29/656,528, filed on Jul. 13, 2018, now Pat. No. Des. 921,748.

(51) **LOC (14) Cl.** **18-02**

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

(58) **Field of Classification Search**
USPC D18/43, 56, 12, 14, 15, 16, 17, 18, 19, D18/37, 38, 39, 40, 41, 45
CPC H04N 1/00204; H04N 1/00249; H04N 1/00278; G06K 15/12; G06K 15/14; B41J 3/00; B41J 3/28; B41J 3/445; B41J 3/46;
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D307,767 S 5/1990 Tsumuro
D319,841 S 9/1991 Fukuda et al.
(Continued)

FOREIGN PATENT DOCUMENTS

EP 1346834 A2 * 9/2003 ..... B41J 2/17503
EP 1462263 9/2004
(Continued)

OTHER PUBLICATIONS

ID wholesaler. Link: https://www.idwholesaler.eom/media/catalog/product/m/1/m1_81579.jpg?quality=80&bg-color=255,255,255&fit=bounds&height=&width=&canvas=: May 3, 2022. Fargo 81579 Replacement Printhead—C15, 4225, 4250. (Year: 2022).*
(Continued)

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(74) *Attorney, Agent, or Firm* — Foley & Lardner LLP

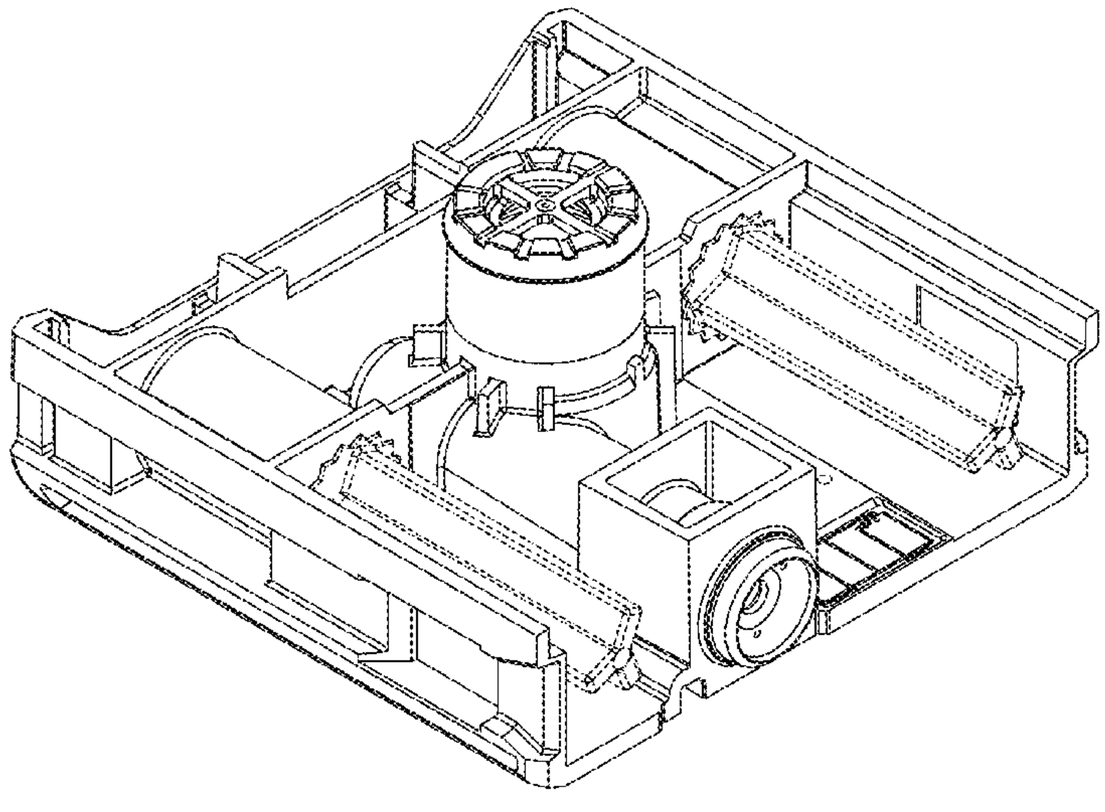
(57) **CLAIM**

The ornamental design for a combined print liquid supply cap and key, as shown and described.

DESCRIPTION

FIG. **1** is a front, top, and first side perspective view of a combined print liquid supply cap and key showing a new design;
FIG. **2** is a rear, top, and first side perspective view thereof;
FIG. **3** is a front elevation view thereof;
FIG. **4** is a rear elevation view thereof;
FIG. **5** is a second side elevation view thereof;
FIG. **6** is a first side elevation view thereof;
FIG. **7** is a top plan view thereof; and,
FIG. **8** is a bottom plan view thereof.
The broken lines immediately adjacent to the shaded areas depict the bounds of the claimed design, while all other broken lines are directed to environment. The broken lines form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(58) **Field of Classification Search**
CPC B41J 11/0045; B41J 2/3358; B41J 3/36; B41J 3/382; B41J 2/1752; B41C 1/144
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D320,044	S		9/1991	Corby	
5,074,344	A		12/1991	Vacek	
5,089,854	A		2/1992	Kaieda	
D329,659	S		9/1992	Mizukami	
D332,280	S		1/1993	Yoshida	
D333,832	S	*	3/1993	Suzuki	D18/43
D338,232	S		8/1993	Kotaki	
D341,619	S		11/1993	Ujita	
D341,620	S		11/1993	Ujita	
D344,284	S		2/1994	Suzuki	
D346,819	S		5/1994	Taniguchi	
D348,479	S		7/1994	Ujita	
D351,187	S		10/1994	Suga	
D351,855	S		10/1994	Kubota	
D352,059	S		11/1994	Kubota	
D352,060	S		11/1994	Kubota	
D355,210	S		2/1995	Kubota	
D355,213	S		2/1995	Kubota	
D355,215	S		2/1995	Kubota	
D355,929	S		2/1995	Kubota	
D356,332	S		3/1995	Kubota	
D356,814	S		3/1995	Suzuki	
D362,676	S		9/1995	Shimizu	
D363,736	S		10/1995	Ujita	
D365,119	S		12/1995	Ujita	
D365,596	S		12/1995	Miyazawa	
D371,803	S		7/1996	Kawashima	
D375,322	S	*	11/1996	Nagashima	D18/43
D376,170	S		12/1996	Nagashima	
D378,760	S		4/1997	Shinada	
D382,011	S	*	8/1997	Agata	D18/43
D382,296	S		8/1997	Shinada	
D395,914	S	*	7/1998	Yoshino	D18/43
D397,143	S		8/1998	Kobayashi	
D400,575	S		11/1998	Kobayashi	
D413,621	S		9/1999	Ichimaru	
D425,112	S		5/2000	Shinada	
D425,285	S		5/2000	Shinada	
D425,550	S		5/2000	Kurisu	
D435,586	S		12/2000	Kunihiro	
D442,221	S		5/2001	Seino	
D444,495	S		7/2001	Taniguchi	
6,402,308	B1		6/2002	Hattori	
D471,584	S		3/2003	Katsumi	
6,530,654	B2		3/2003	Canon	
D482,061	S		11/2003	Shinada	
D494,851	S		8/2004	Uchiyama	
D501,504	S		2/2005	Manabu	
6,905,199	B2	*	6/2005	Miyazawa	B41J 2/17526 347/86
D529,954	S		10/2006	Matsumoto	
D533,587	S		12/2006	Andoh	
7,192,128	B1	*	3/2007	Hattori	B41J 2/17513 347/7
D540,375	S		4/2007	Katsuyama	
7,367,652	B2	*	5/2008	Miyazawa	B41J 2/17513 347/49
7,553,007	B2		6/2009	Hattori et al.	
7,682,004	B2		3/2010	Hattori et al.	
7,775,645	B2		8/2010	Hattori et al.	
7,806,523	B2		10/2010	Seino et al.	
7,810,916	B2		10/2010	Hattori et al.	
7,828,421	B2		11/2010	Hattori et al.	
7,837,311	B2		11/2010	Hattori et al.	
D634,777	S		3/2011	Perrill	
D641,393	S		7/2011	Kim et al.	
8,025,376	B2		9/2011	Hattori et al.	
D662,975	S		7/2012	Hatch	
D669,118	S		10/2012	Wegman	
D698,388	S		1/2014	Nodera	
D698,857	S		2/2014	Nodera	
D698,858	S		2/2014	Nodera	
8,801,126	B2		8/2014	Karasawa	
D744,586	S		12/2015	Chung	
D759,154	S		6/2016	Williamson et al.	
D759,155	S		6/2016	Williamson	
D759,156	S		6/2016	Williamson	
D759,157	S		6/2016	Williamson	
D761,907	S	*	7/2016	Oya	D18/56
D762,260	S		7/2016	Oya	
D807,955	S		1/2018	Toba	
D831,738	S		10/2018	Kang	
D832,338	S		10/2018	Lee	
D859,518	S		9/2019	Cheyns	
D921,748	S	*	6/2021	Karlsboeck	D18/43
2002/0154200	A1	*	10/2002	Miyazawa	B41J 2/17596 347/86
2002/0171722	A1	*	11/2002	Hara	B41J 2/17596 347/86
2005/0052511	A1		3/2005	Seino	
2005/0068382	A1		3/2005	Kimura et al.	
2005/0145644	A1		7/2005	Mori et al.	
2013/0114972	A1		5/2013	Takarada	
2013/0169720	A1		7/2013	Nakamura	
2020/0276821	A1	*	9/2020	Aoki	B41J 2/1753
2020/0298576	A1	*	9/2020	Naito	B41J 2/17553

FOREIGN PATENT DOCUMENTS

EP	1950625 B1	10/2014
JP	D1425923	10/2011

OTHER PUBLICATIONS

Allprintheads. Link: https://www.allprintheads.com/products/remanufactured-printhead-for-hp83?ref=isp_rel_no_match. Feb. 22, 2022. Remanufactured Printhead for HP 83. (Year: 2022).*
Amazon Link: https://www.amazon.com/dp/BOOVIY7LUO/ref=cm_sw_r_tw_dp_U_x_plaSEbYOKVPTW; Sep. 30, 2014; CISinks Continuous Ink Supply System for Brother Printers (LC103 LC101)—DCP and MFC Series Printers.

* cited by examiner

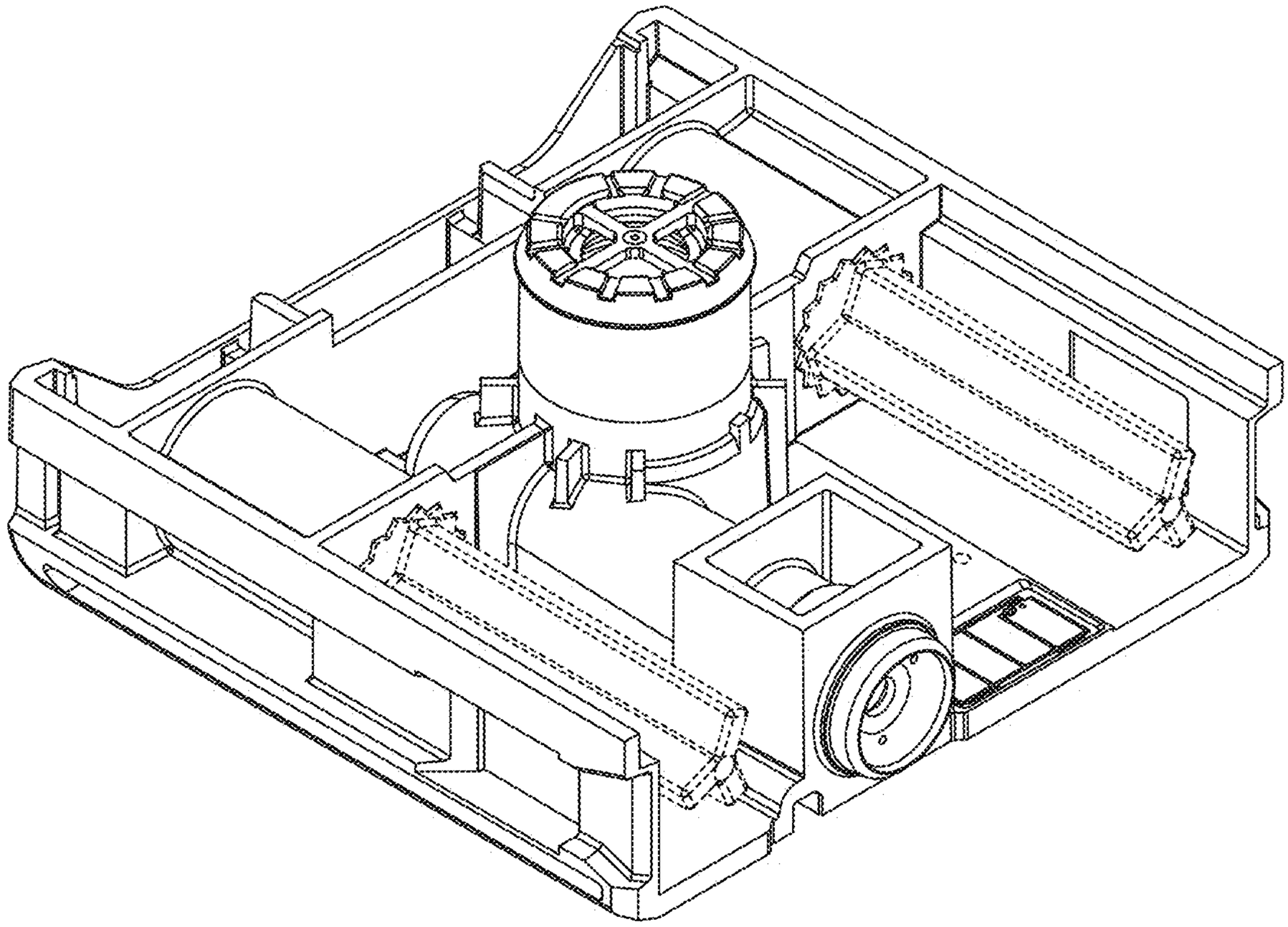


FIG. 1

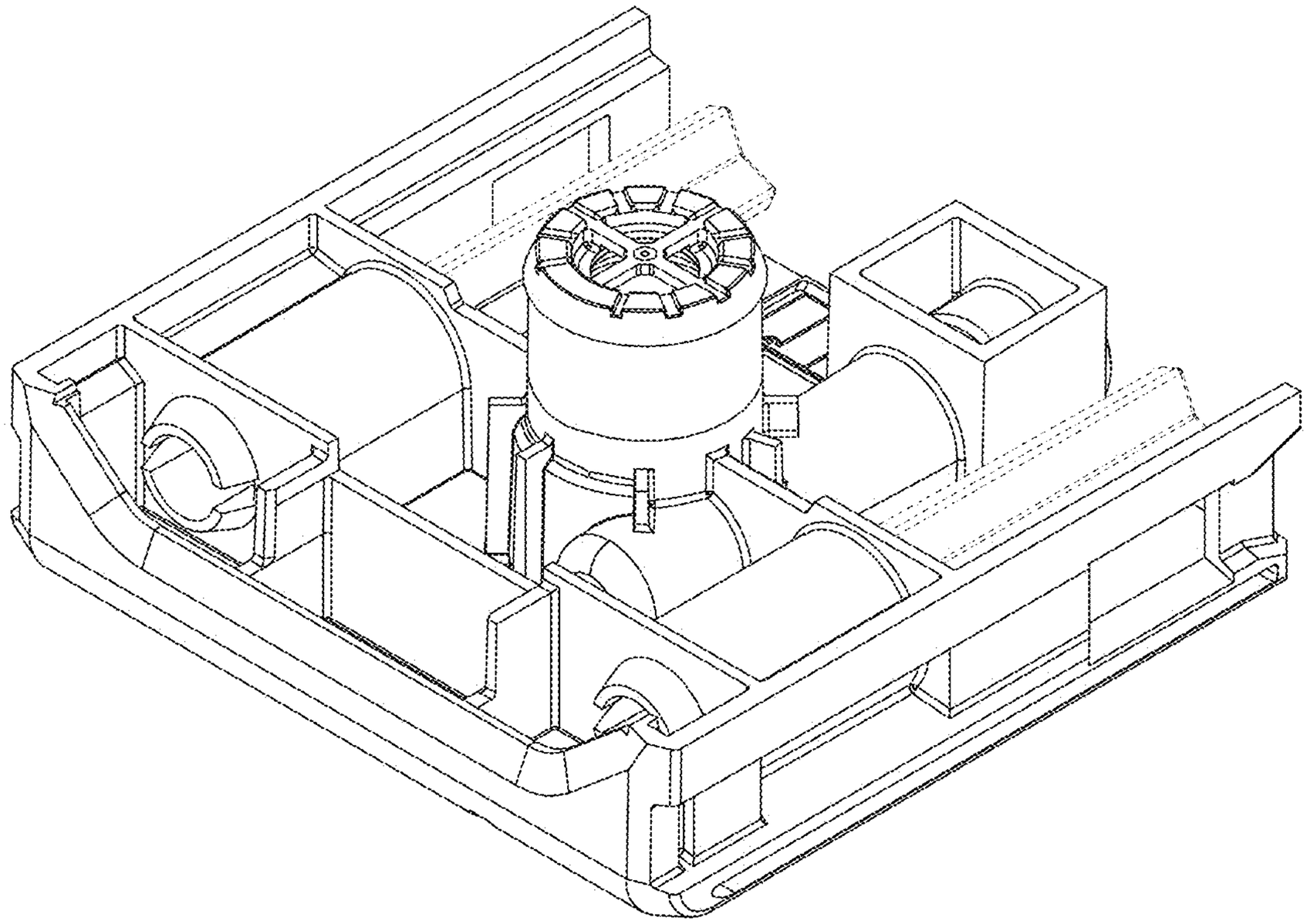


FIG. 2

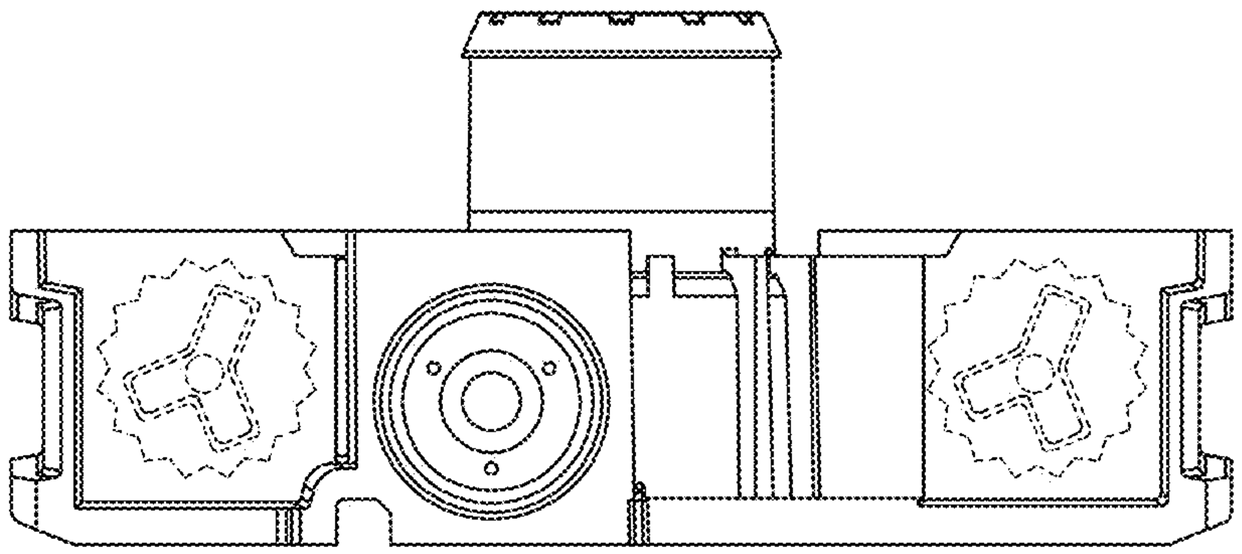


FIG. 3

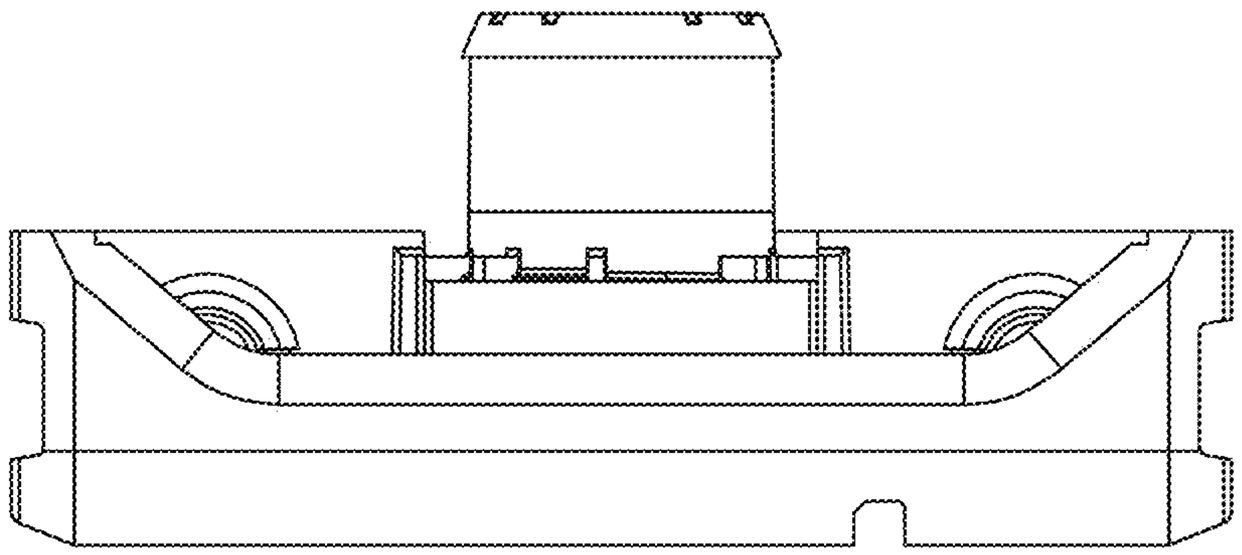


FIG. 4

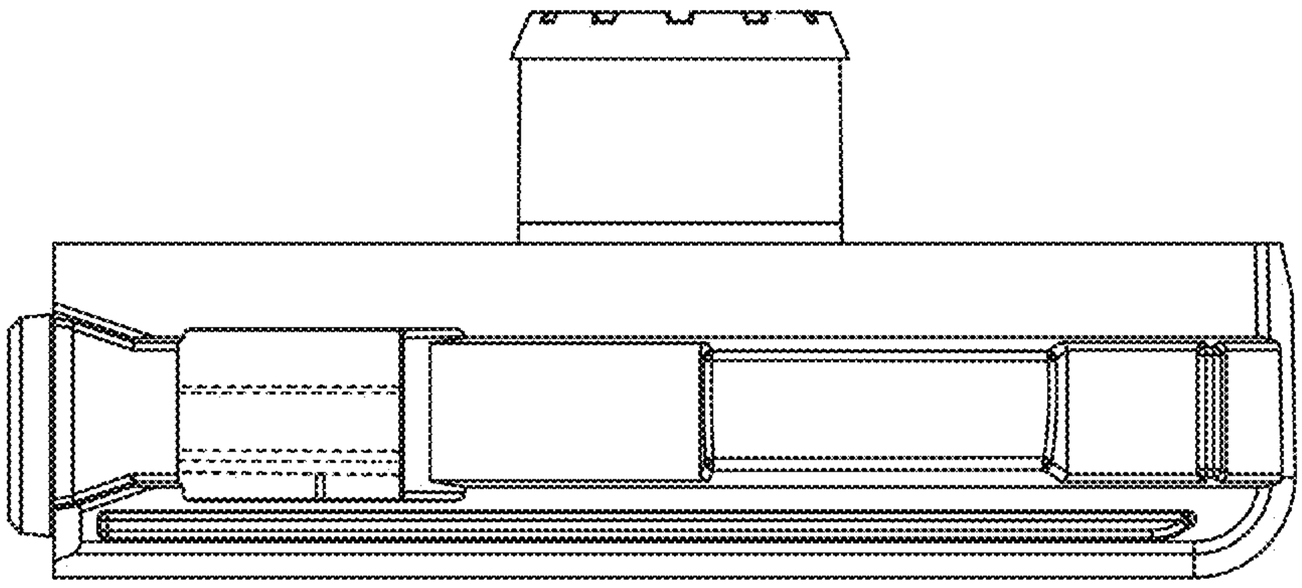


FIG. 5

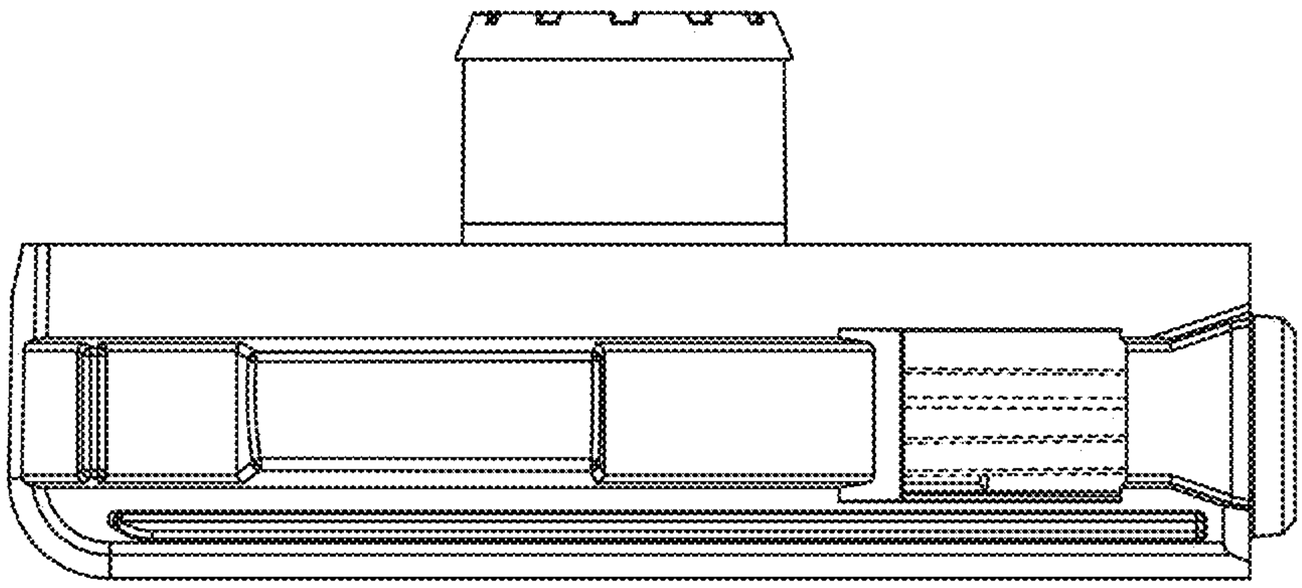


FIG. 6

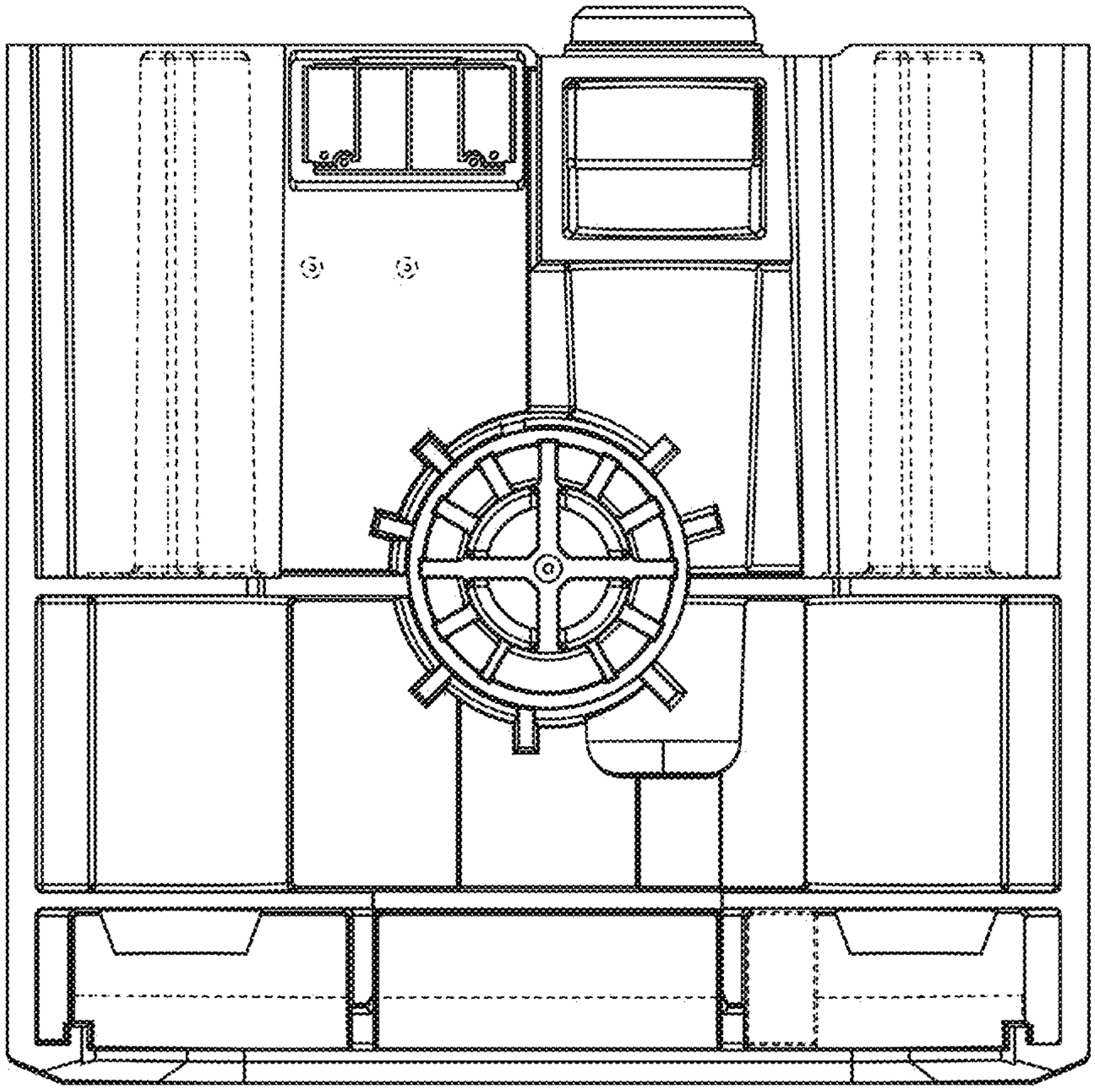


FIG. 7

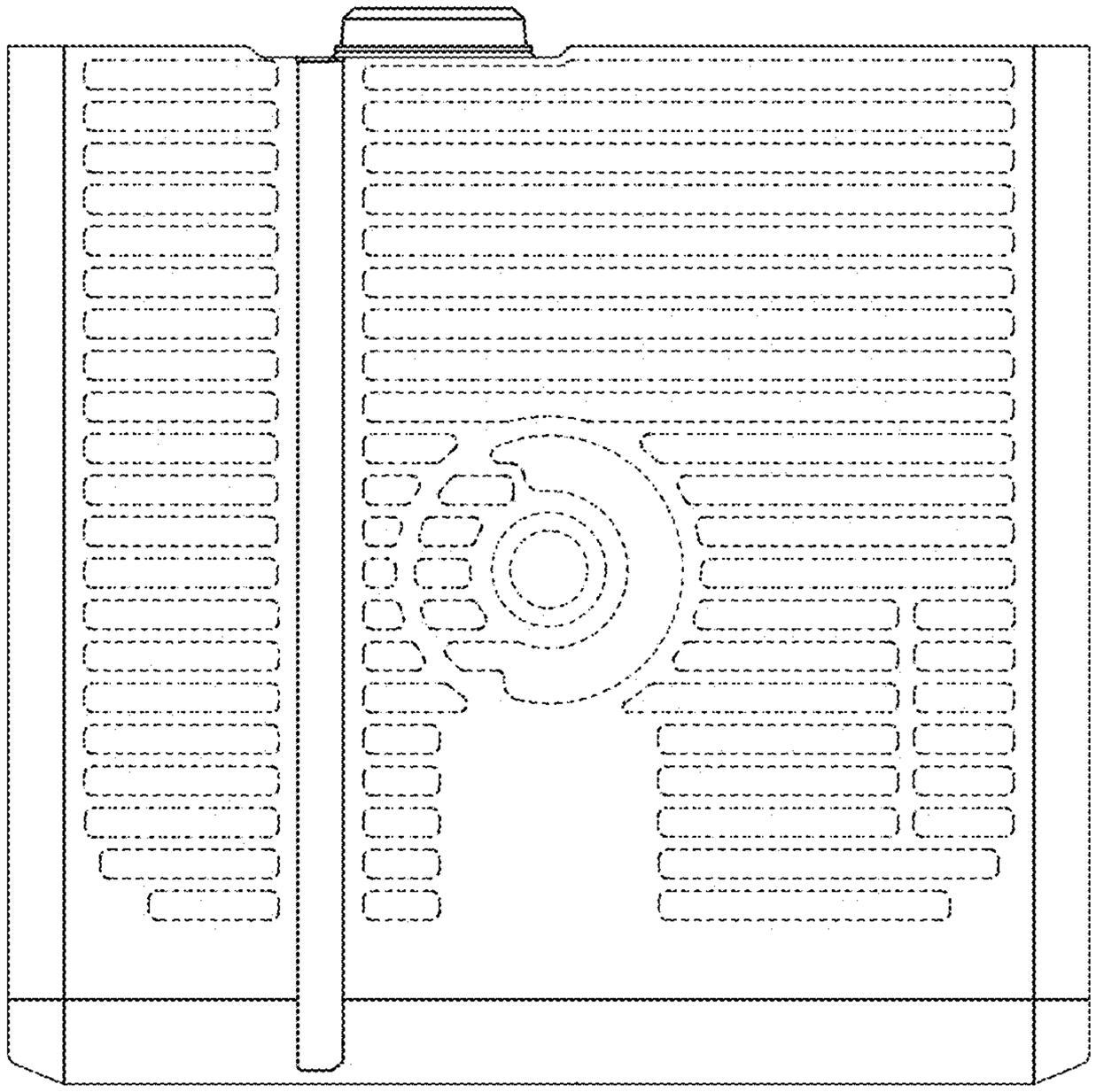


FIG. 8