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United States Design Patent

Kinne et al.

(10)

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(54) PUMP MODULE

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

D471,561	S	*	3/2003	Kohsaka		D15/7
D486,835	S	*	2/2004	Hsiao		D15/9
D517,570	S	*	3/2006	Stiles, Jr.		D15/7
D536,705	S	*	2/2007	Griffin	.....	D15/7
D557,708	S	*	12/2007	Carpenter	.....	D15/7
D568,340	S	*	5/2008	Stiles, Jr.	.....	D15/5
D573,607	S	*	7/2008	Bulter	.....	D15/7
D590,842	S	*	4/2009	Clark	.....	D15/7
D604,745	S	*	11/2009	Sinico	.....	D15/7
D606,562	S	*	12/2009	Stiles, Jr.	.....	D15/5
D698,369	S	*	1/2014	Meza	.....	D15/7
D713,860	S	*	9/2014	Pedrollo	.....	D15/7
D800,791	S	*	10/2017	Pin, III	.....	D15/7
D833,483	S	*	11/2018	Sofussen	.....	D15/7
D837,832	S	*	1/2019	Sofussen	.....	D15/7
10,180,141	B2	*	1/2019	Huang	.....	F04D 9/002
D844,669	S	*	4/2019	Sinico		D15/7
D844,670	S	*	4/2019	Sinico		D15/7
D867,400	S	*	11/2019	Xiang		D15/7

(Continued)

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(21) Appl. No.: **29/882,065**

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(51) **LOC (14) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/7**

(58) **Field of Classification Search**
USPC D7/305; D15/5, 7; D23/200, 206
CPC F04D 15/0088; F04D 15/0066; F04D 15/0245; F04D 3/00; F04D 3/005; F04D 29/041; F04D 29/22; F04D 29/60; F04D 29/605; F04B 2203/0208; F04B 17/03; F04B 17/046; F04B 17/048; F04B 43/04; F04B 43/043; F04B 35/04
See application file for complete search history.

(57) CLAIM

The ornamental design for a pump module, as shown and described.

DESCRIPTION

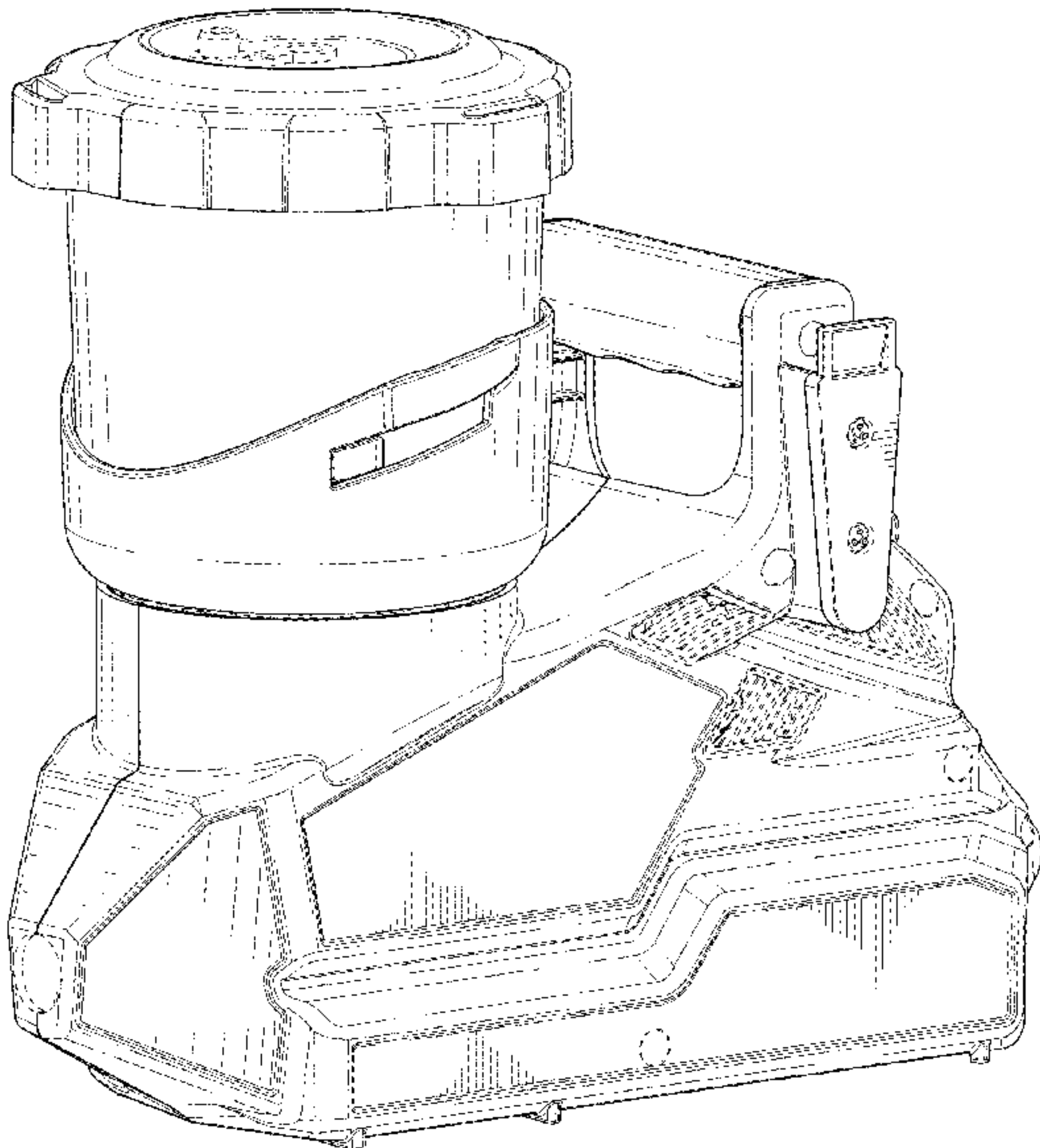
FIG. 1 is a first isometric view of a pump module; FIG. 2 is a second isometric view of the pump module; FIG. 3 is a third isometric view of the pump module; FIG. 4 is a fourth isometric view of the pump module; FIG. 5 is a front elevational view of the pump module; FIG. 6 is rear elevational view of the pump module; FIG. 7 is a right side view of the pump module; FIG. 8 is a left side view of the pump module; FIG. 9 is a top plan view of the pump module; and, FIG. 10 is a bottom plan view of the pump module. The broken lines shown represent portions of a pump module and form no part of the claimed design.

1 Claim, 10 Drawing Sheets

(56) References Cited

U.S. PATENT DOCUMENTS

D299,143	S	*	12/1988	Hazlehurst	.....	D15/7
D327,075	S	*	6/1992	Tiedemann	.....	D15/7
D372,719	S	*	8/1996	Jensen	.....	D15/7
D466,522	S	*	12/2002	Huang	.....	D15/7



(56) **References Cited**

U.S. PATENT DOCUMENTS

D872,132	S	*	1/2020	Sofussen	D15/7
D884,031	S	*	5/2020	Huang	D15/7
D884,032	S	*	5/2020	Huang	D15/7
11,193,504	B1	*	12/2021	Mjelde F04D 29/448	
D946,627	S	*	3/2022	Wang	D15/7
D946,629	S	*	3/2022	Mjelde	D15/7
D948,578	S	*	4/2022	Varini	D15/7
D949,205	S	*	4/2022	Headley	D15/7
D966,342	S	*	10/2022	Pedrollo F04D 29/026	
					D15/7
D971,966	S	*	12/2022	Mjelde	D15/7
D978,916	S	*	2/2023	Kjær	D15/7
D986,289	S	*	5/2023	Mjelde	D15/7
D1,004,630	S	*	11/2023	Zhou	D15/7

* cited by examiner

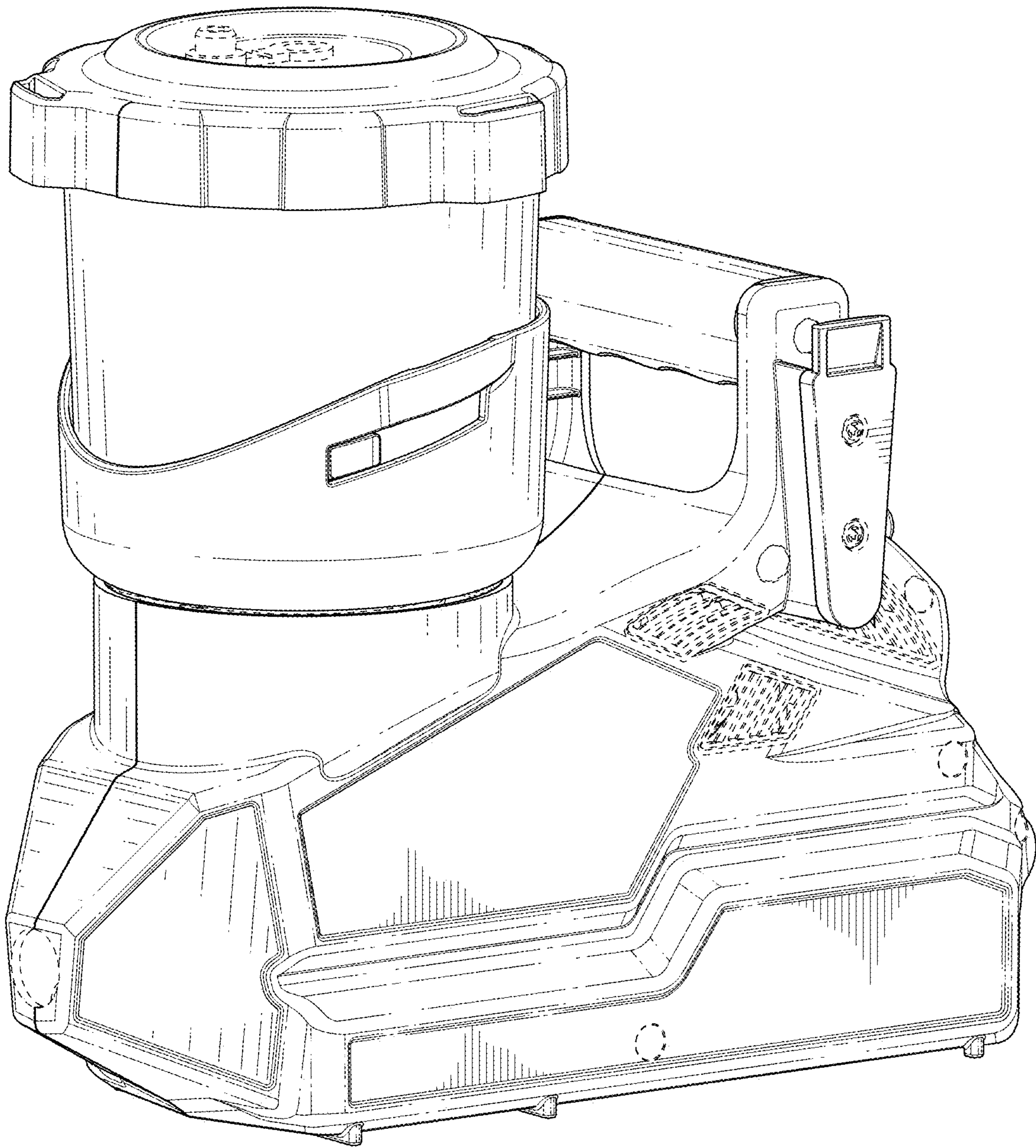


FIG.1

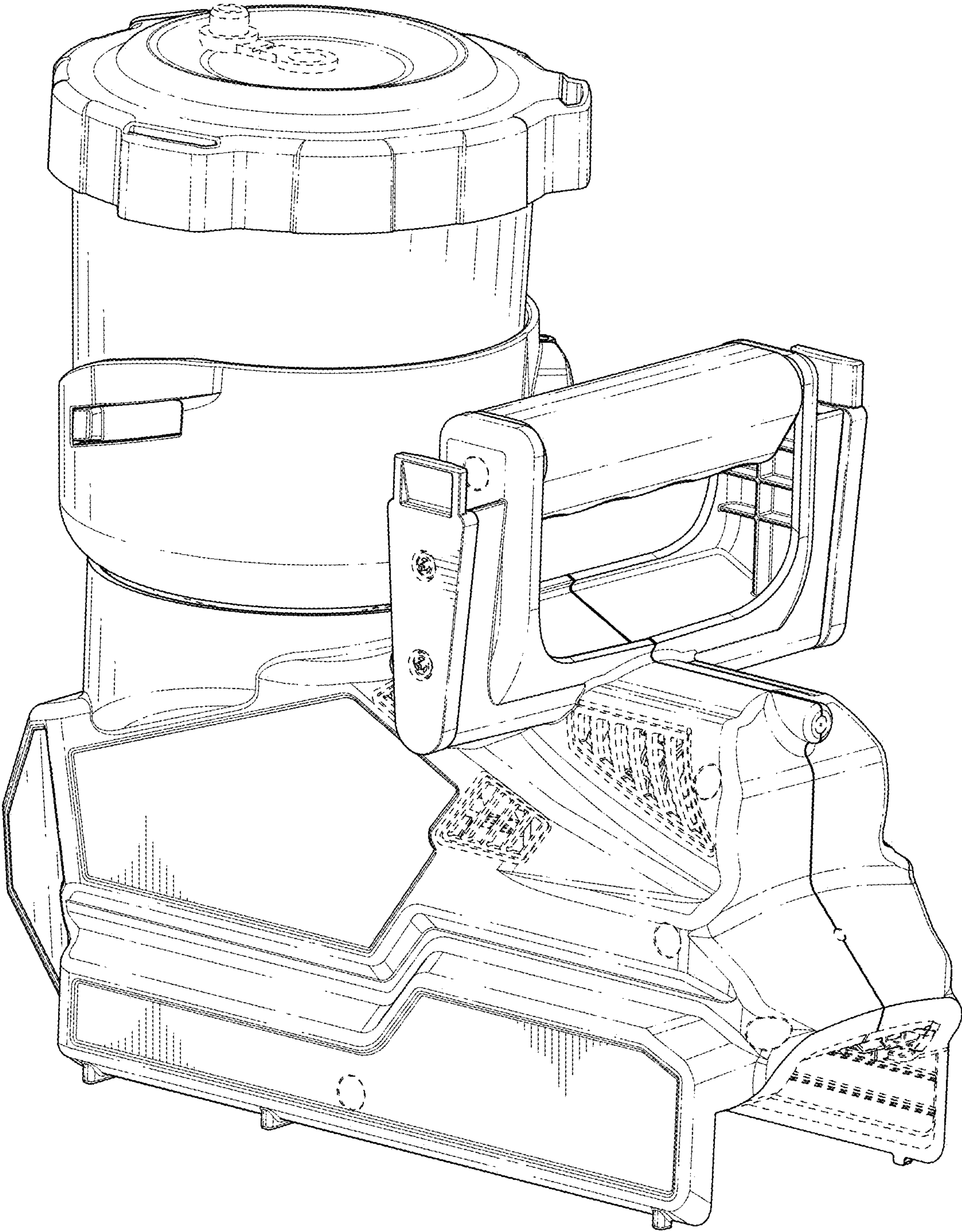


FIG.2

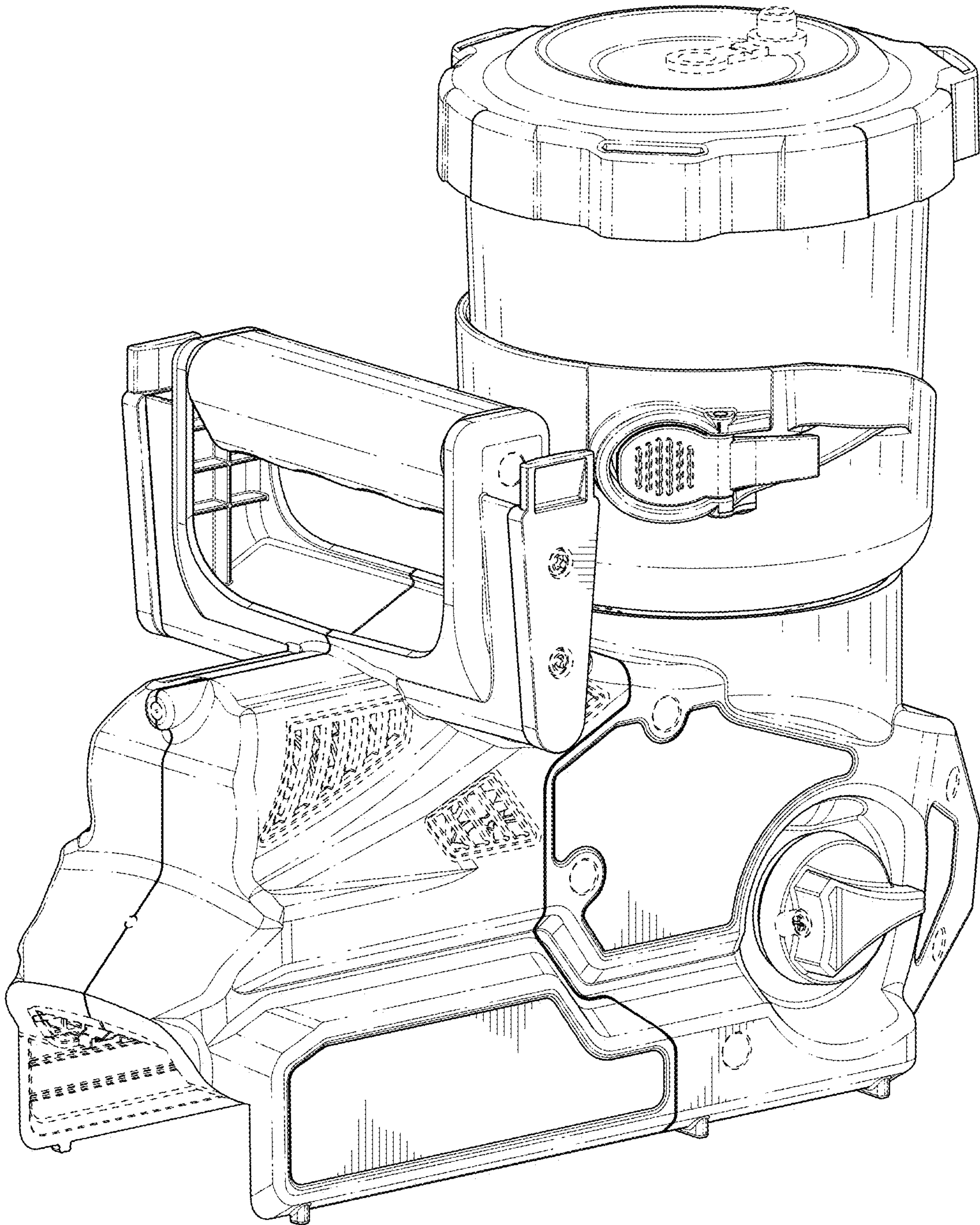


FIG.3

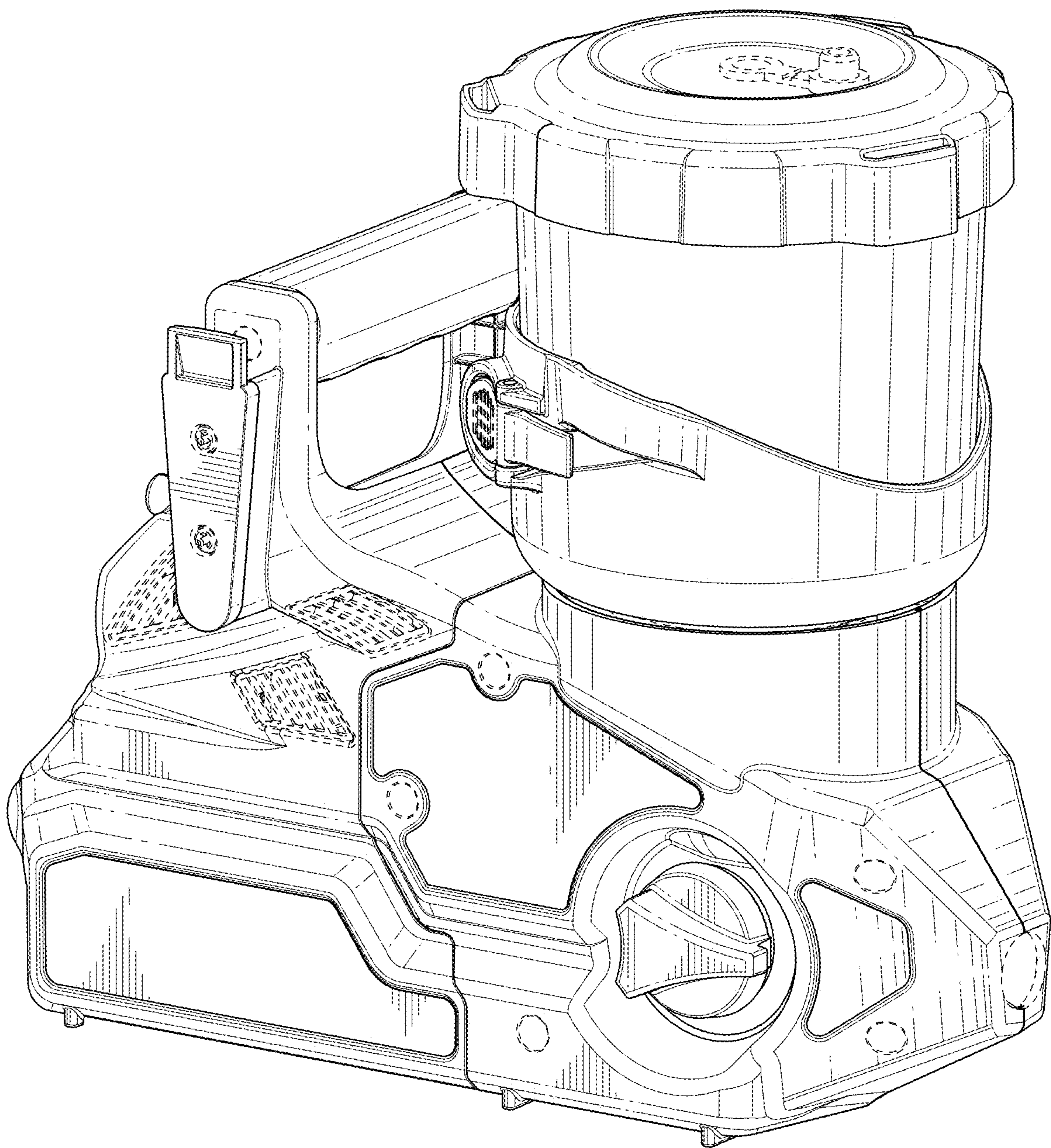


FIG.4

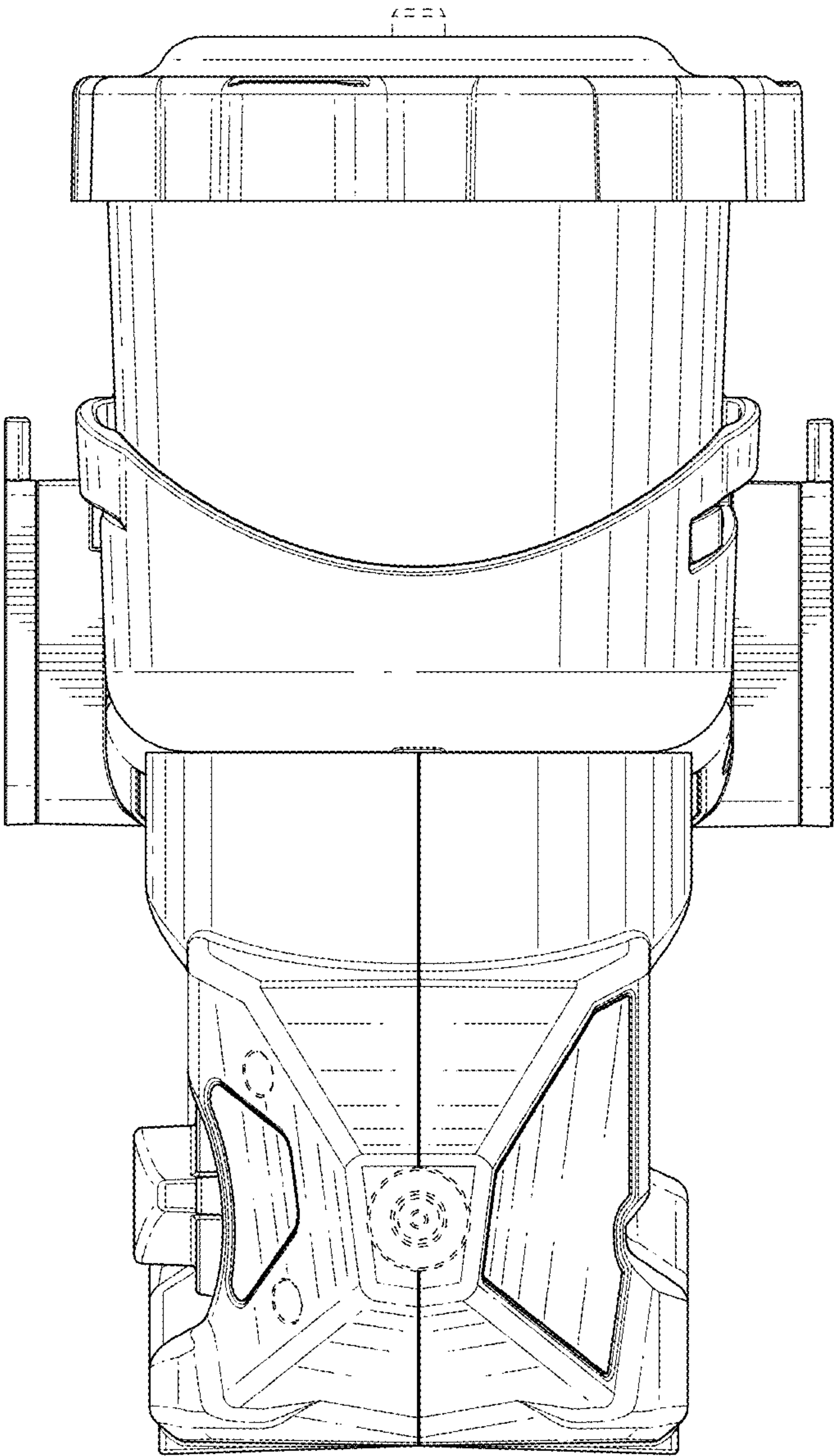


FIG. 5

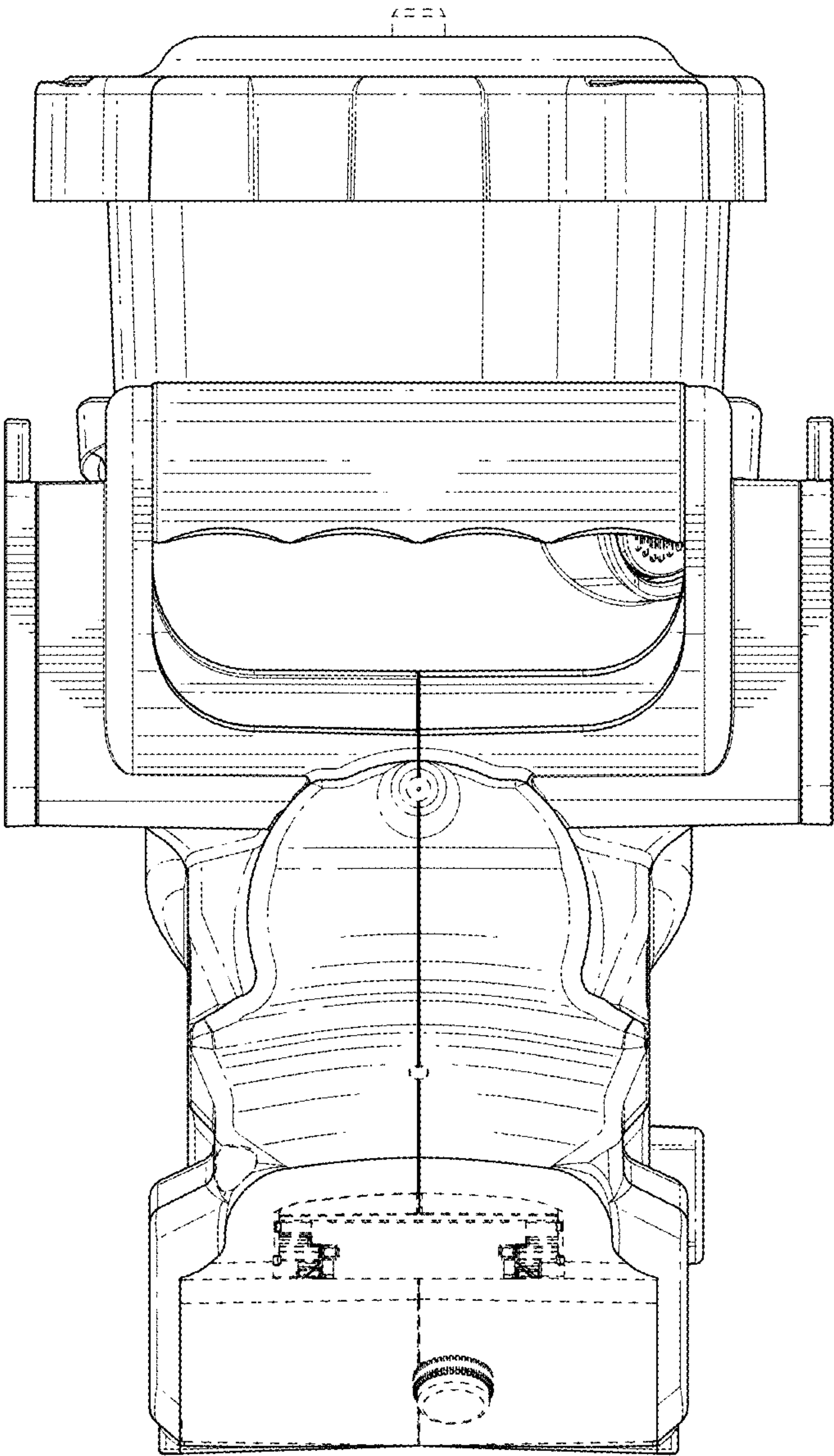


FIG. 6

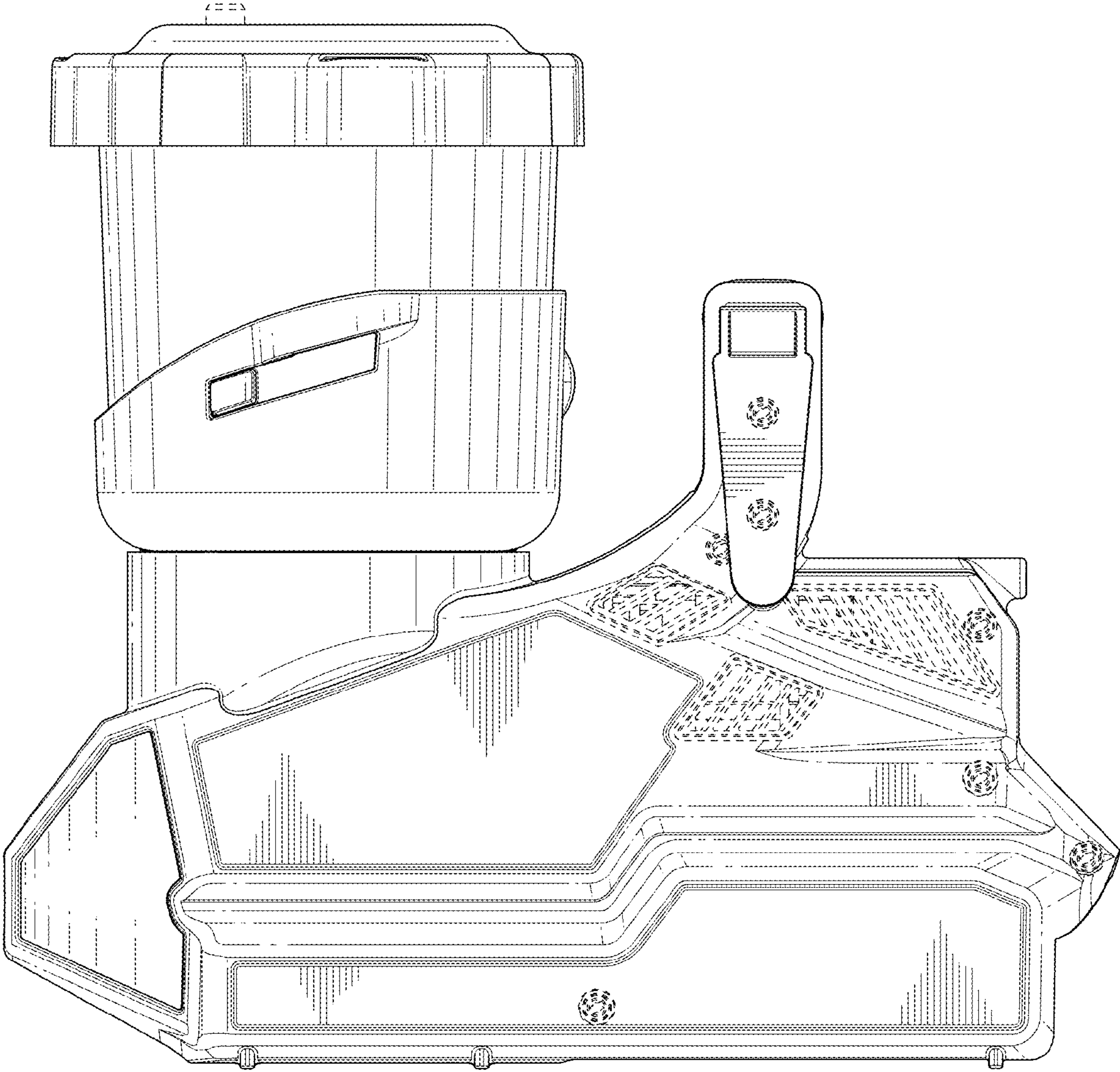


FIG.7

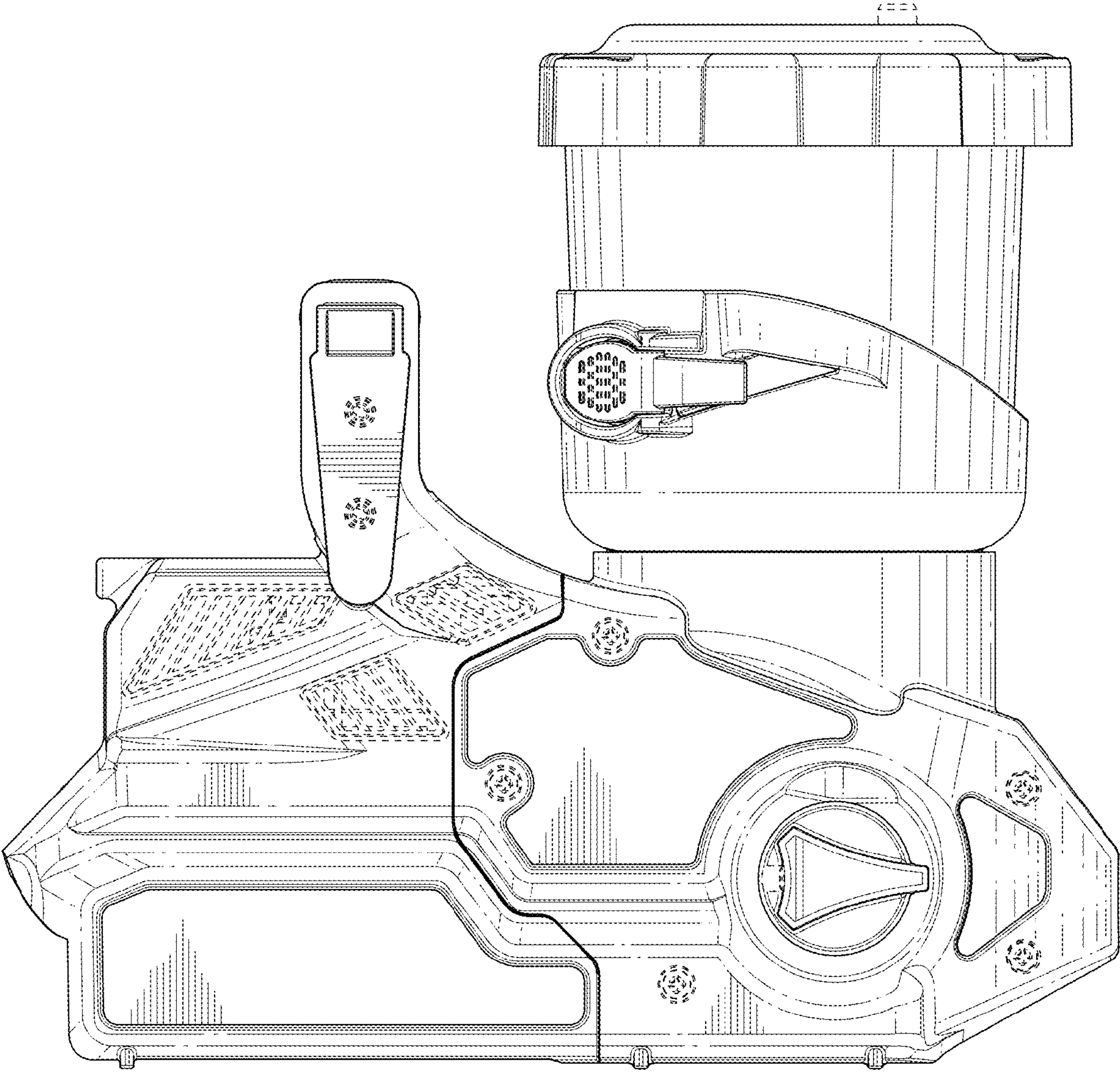


FIG. 8

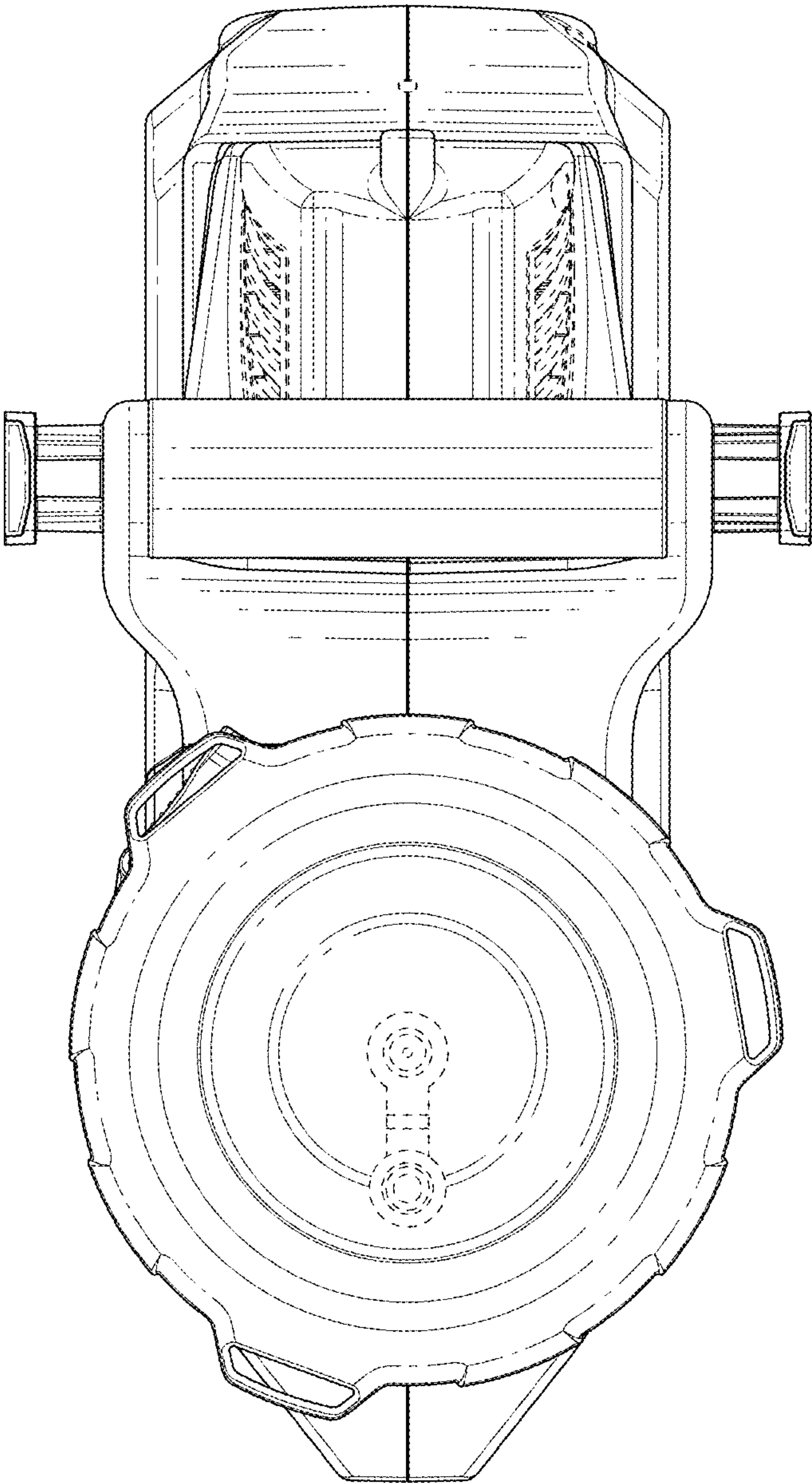


FIG.9

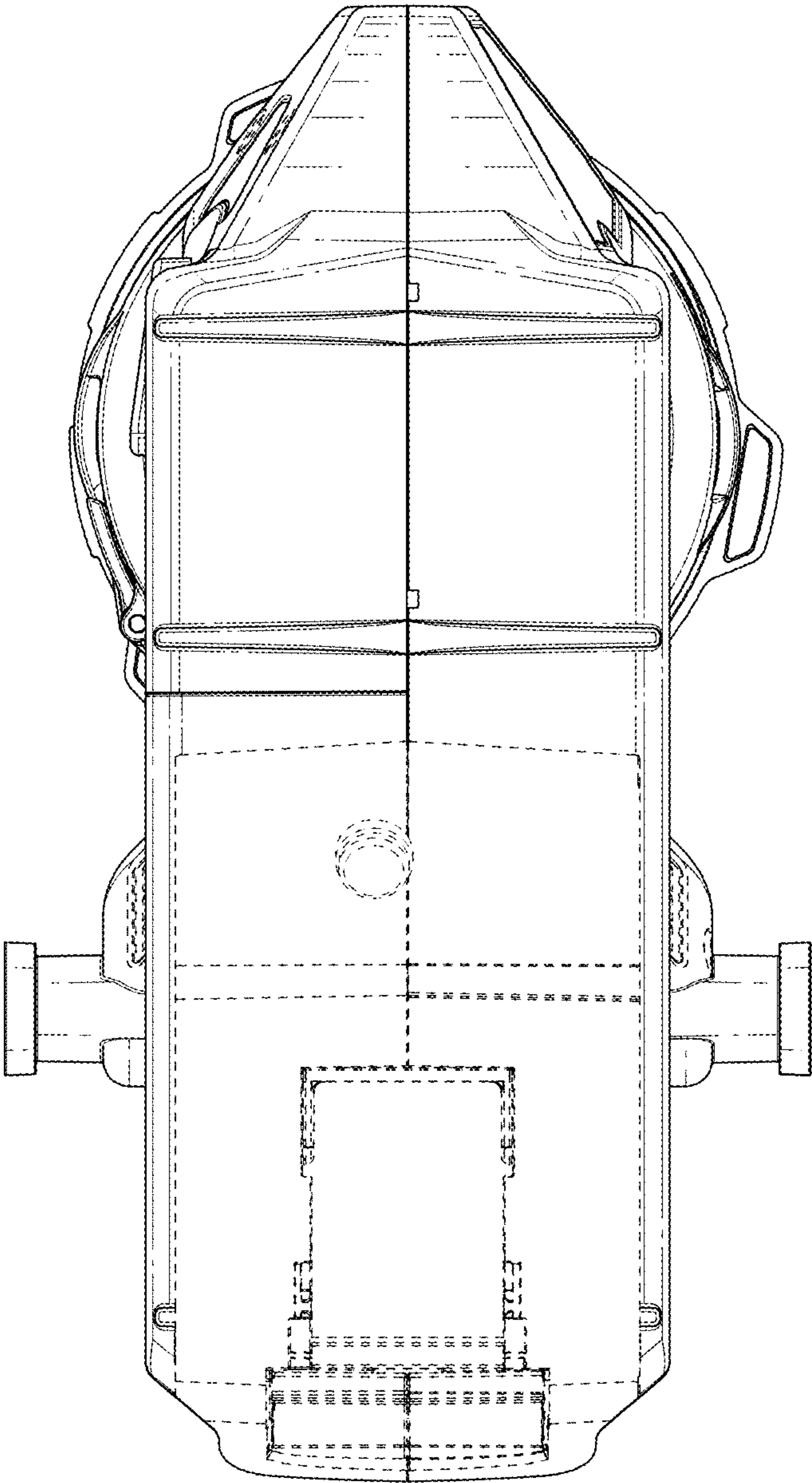


FIG.10