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(12) United States Design Patent

Beard et al.

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(54) **INFLATOR**

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

(21) Appl. No.: **29/687,100**

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(51) **LOC (13) Cl.** **15-02**

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

(58) **Field of Classification Search**
USPC D15/7–9; D24/108, 110, 111; D13/103, D13/107; D23/210, 225, 231, 232; D8/61, 68
CPC B29C 73/00; F04B 17/03; F04B 49/00; F04B 53/00; F04B 35/06; F04B 33/005; F04B 17/06; E03B 5/00; B25B 21/00; B25B 21/02; B60S 5/04; B60S 5/046; F04D 25/0673
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,102,364	A		7/1978	Leslie et al.	
4,146,069	A		3/1979	Angarola et al.	
4,146,070	A		3/1979	Angarola et al.	
4,872,492	A		10/1989	McAnally et al.	
D323,276	S	*	1/1992	Fushiya	D8/68
D339,046	S	*	9/1993	Fushiya	D8/68
5,454,407	A		10/1995	Huza et al.	
5,566,728	A		10/1996	Lange	
5,806,572	A		9/1998	Voller	
D399,213	S	*	10/1998	Sorensen	D15/7
D400,892	S	*	11/1998	Williams	D15/9

(Continued)

FOREIGN PATENT DOCUMENTS

AU	748188	B2	5/2002

OTHER PUBLICATIONS

Kobalt, 24V Cordless High Volume Inflator 24-Volt Lithium Ion (Li-Ion) Air Inflator, (site visited on Apr. 28, 2021), Lowe's website, URL:<https://www.lowes.com/pd/Kobalt-24V-Cordless-High-Volume-Inflator-24-Volt-Lithium-Ion-Li-Ion-Air-Inflator-Power-Source-Battery/1001464244> (Year: 2021).*

(Continued)

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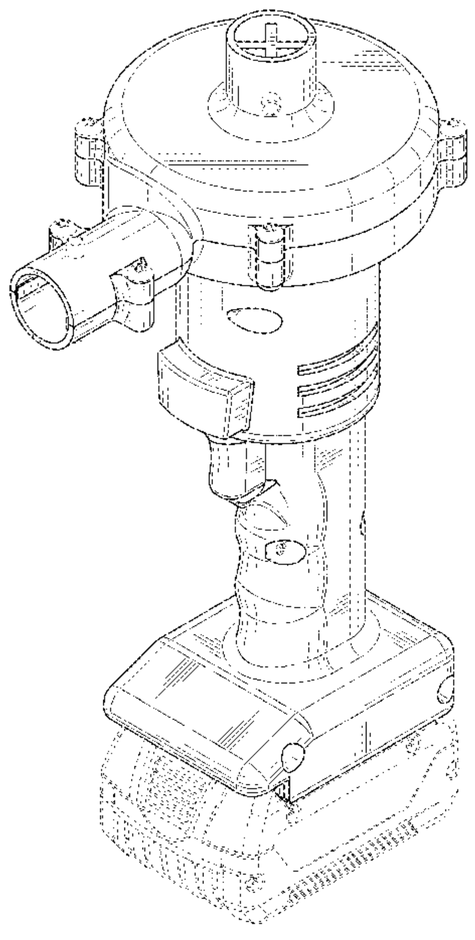
(57) **CLAIM**

The ornamental design for an inflator as shown.

DESCRIPTION

FIG. **1** is a perspective view of an inflator of our new design.
FIG. **2** is a front elevational view of the inflator of FIG. **1**.
FIG. **3** is a back elevational view of the inflator of FIG. **1**.
FIG. **4** is a right-side elevational view of the inflator of FIG. **1**.
FIG. **5** is a left-side elevational view of the inflator of FIG. **1**.
FIG. **6** is a top plan view of the inflator of FIG. **1**; and,
FIG. **7** is a bottom plan view of the inflator of FIG. **1**.
The broken lines depict portions of the inflator that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

5,829,492	A	11/1998	Gavronsky et al.	
5,862,843	A	1/1999	Corbitt	
D415,500	S *	10/1999	Poon	D15/7
6,253,806	B1	7/2001	Sperry et al.	
D462,592	S *	9/2002	Cooper	D8/68
D462,594	S *	9/2002	Flickinger	D8/68
D464,976	S *	10/2002	Krieger	D15/9
6,468,047	B1 *	10/2002	Huang	F04B 35/01 192/56.6
6,530,751	B1	3/2003	Song et al.	
6,561,236	B1	5/2003	Sperry et al.	
D484,384	S *	12/2003	Ghode	D8/68
6,676,042	B2	1/2004	Howlett et al.	
D486,159	S *	2/2004	Poon	D15/7
D487,899	S *	3/2004	Poon	D15/7
6,729,110	B2	5/2004	Sperry et al.	
6,793,469	B2	9/2004	Chung	
D510,939	S *	10/2005	Nikolayev	D15/9
D515,378	S *	2/2006	Wu	D8/68
7,063,514	B1	6/2006	Wu	
7,073,545	B2	7/2006	Smith et al.	
7,127,762	B1	10/2006	Lau	
7,320,347	B2	1/2008	Ramsey et al.	
7,455,086	B1	11/2008	Elze et al.	
7,571,500	B2	8/2009	Wu	
7,588,425	B2	9/2009	Chung	
7,610,929	B2	11/2009	Zielinski et al.	
7,644,739	B1	1/2010	Vezzosi et al.	
D610,421	S *	2/2010	Taniguchi	D8/68
7,793,687	B2	9/2010	Smith et al.	
7,913,724	B2	3/2011	Pansegrouw	
7,980,799	B1	7/2011	Rioux et al.	
8,113,297	B2 *	2/2012	Sakakibara	B25F 5/02 173/170
D678,024	S *	3/2013	Taniguchi	D8/68
D679,160	S *	4/2013	Okuda	D8/68
D694,268	S *	11/2013	Ohm	D15/7
8,910,728	B2 *	12/2014	Okuda	B25F 5/02 173/93.5
D726,771	S	4/2015	Pansegrouw et al.	
D764,551	S	8/2016	Fowler et al.	
D774,862	S *	12/2016	Naksen	D8/68
D805,109	S *	12/2017	Exley	D15/7
D814,262	S *	4/2018	Khubani	D8/68
D817,364	S *	5/2018	He	D15/7
9,969,315	B2	5/2018	Beard et al.	
D839,069	S *	1/2019	Koeniger	D8/68
D871,183	S *	12/2019	Imsand	B25F 5/005 D8/68
D882,365	S *	4/2020	Xu	D8/68
D904,461	S *	12/2020	Konantambigi	D15/7
D917,575	S *	4/2021	Zhang	D15/7
2005/0121209	A1 *	6/2005	Shimizu	B25B 21/00 173/217
2011/0220377	A1 *	9/2011	Roehm	B25F 5/001 173/47
2012/0114505	A1	5/2012	Pansegrouw et al.	
2013/0139601	A1	6/2013	Tschantz et al.	
2015/0034196	A1	2/2015	Petrucci et al.	
2018/0187687	A1 *	7/2018	Yakubova	F04B 39/121
2018/0215029	A1 *	8/2018	Steckel	B25F 5/00
2019/0354085	A1 *	11/2019	Linehan	G05B 19/4155

OTHER PUBLICATIONS

Ryobi, Ryobi P738 18V One+ Lithium Ion 18V One+ High Volume Power Inflator / Deflator for Mattresses and Recreational Inflatables, (first available May 21, 2019), Amazon.com, URL:<https://www.amazon.com/Ryobi-Inflator-Mattresses-Recreational-Inflatables/dp/B07S52YCHC/> (Year: 2019).*

"SuperFlow Inflation System", Shippers Products, Sheridan, AR, available before Aug. 1, 2018 (2 pages).

Ryobi 18-Volt ONE+ Lithium-Ion Cordless High Volume Power Inflator Kit with 1.3 Ah Battery and 18-Volt Charger, available before Apr. 10, 2019 at https://www.homedepot.com/p/RYOBI-18-Volt-One-Lithium-Ion-Cordless-High-Volume-Power-Inflator-Kit-with-1-3-Ah-Battery-and-18-Volt-Charger-P738KN/305986956?MERCH=REC-_-PIPHorizontal2_rr-_-308692506-_-305986956-_-N.

* cited by examiner

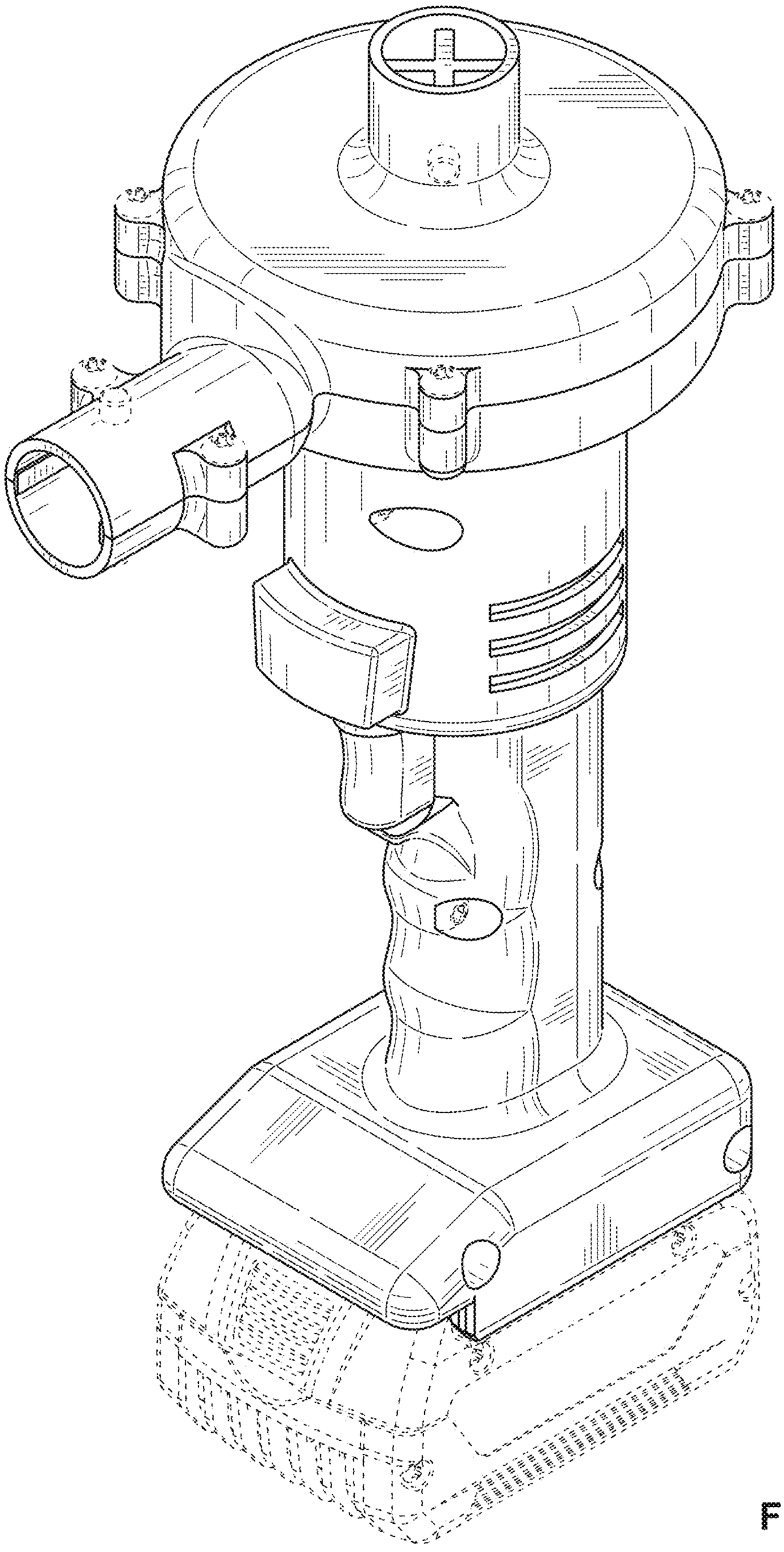


FIG. 1

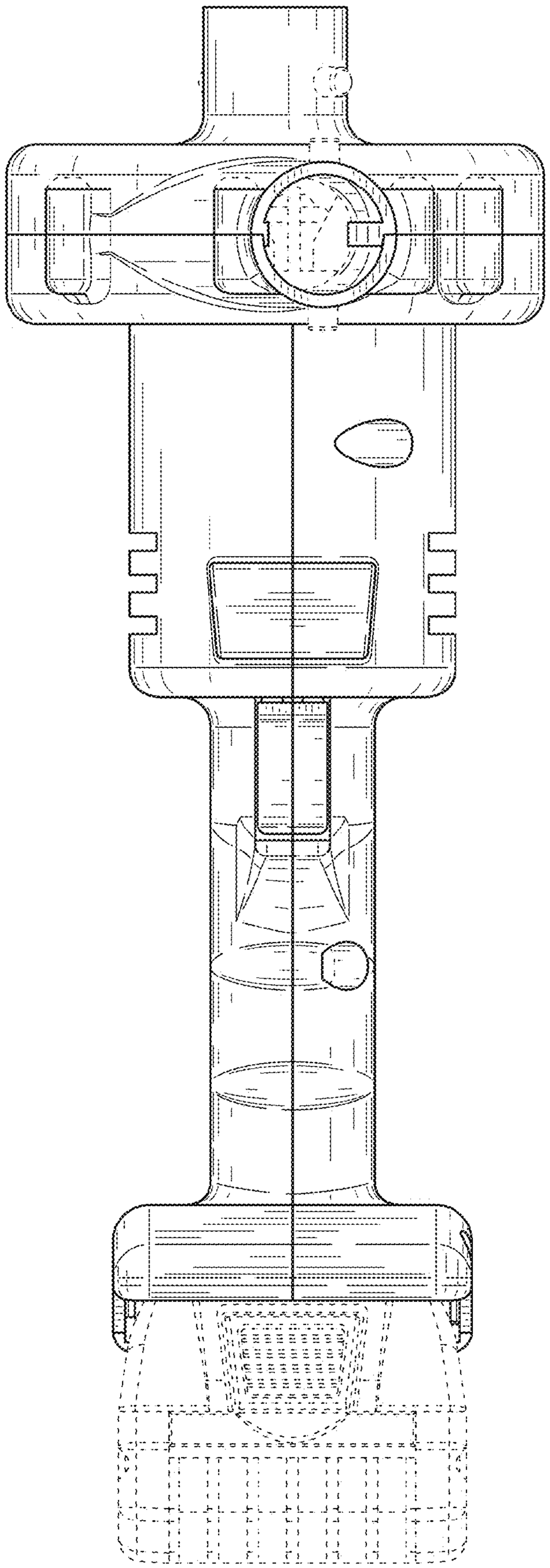


FIG. 2

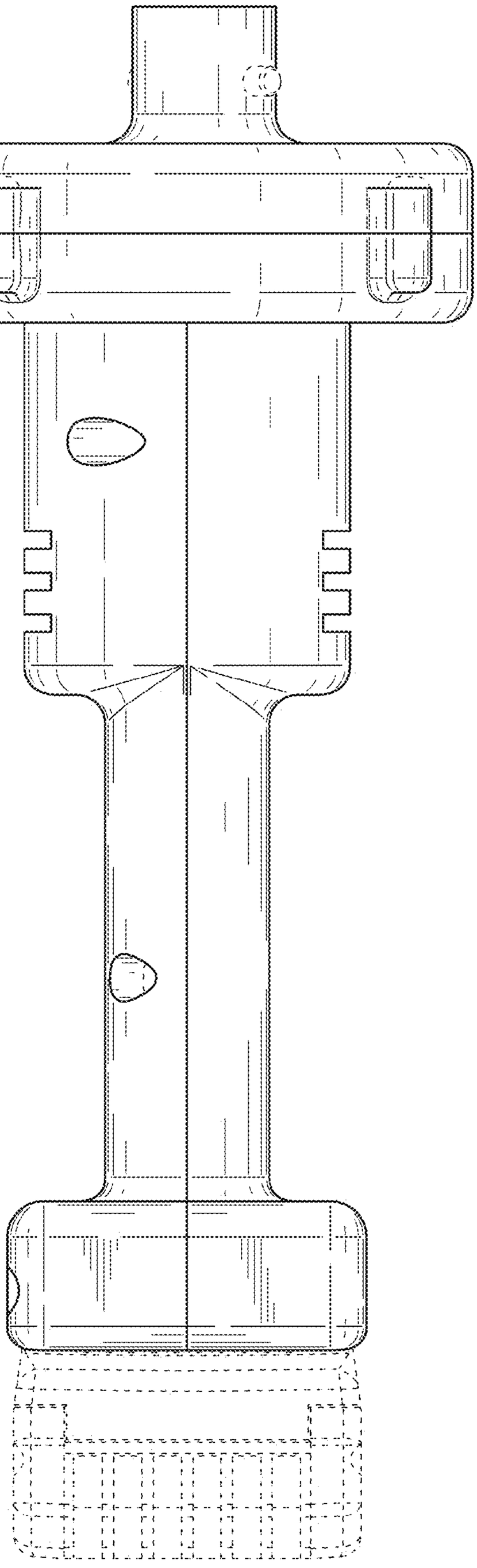


FIG. 3

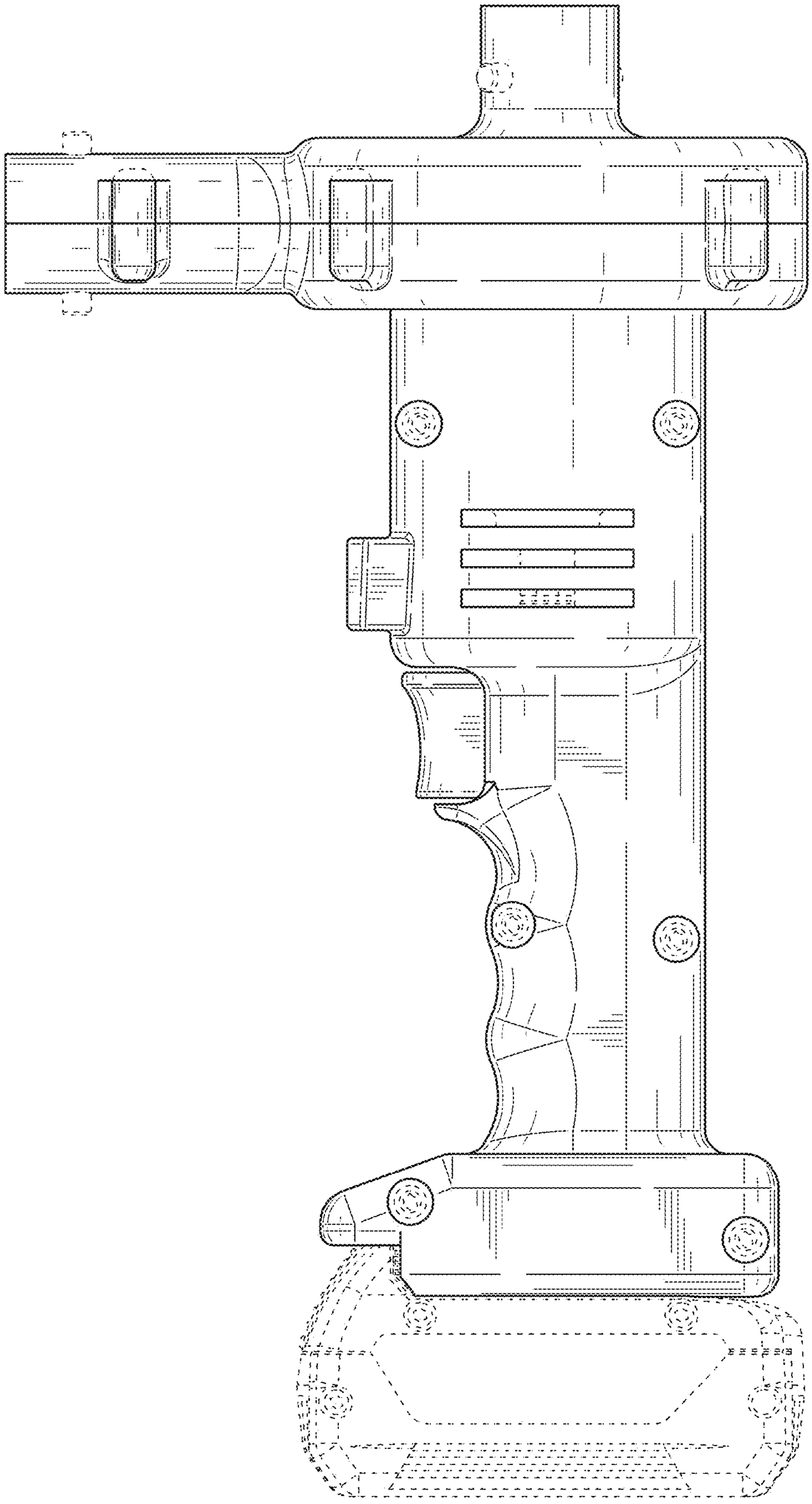


FIG. 4

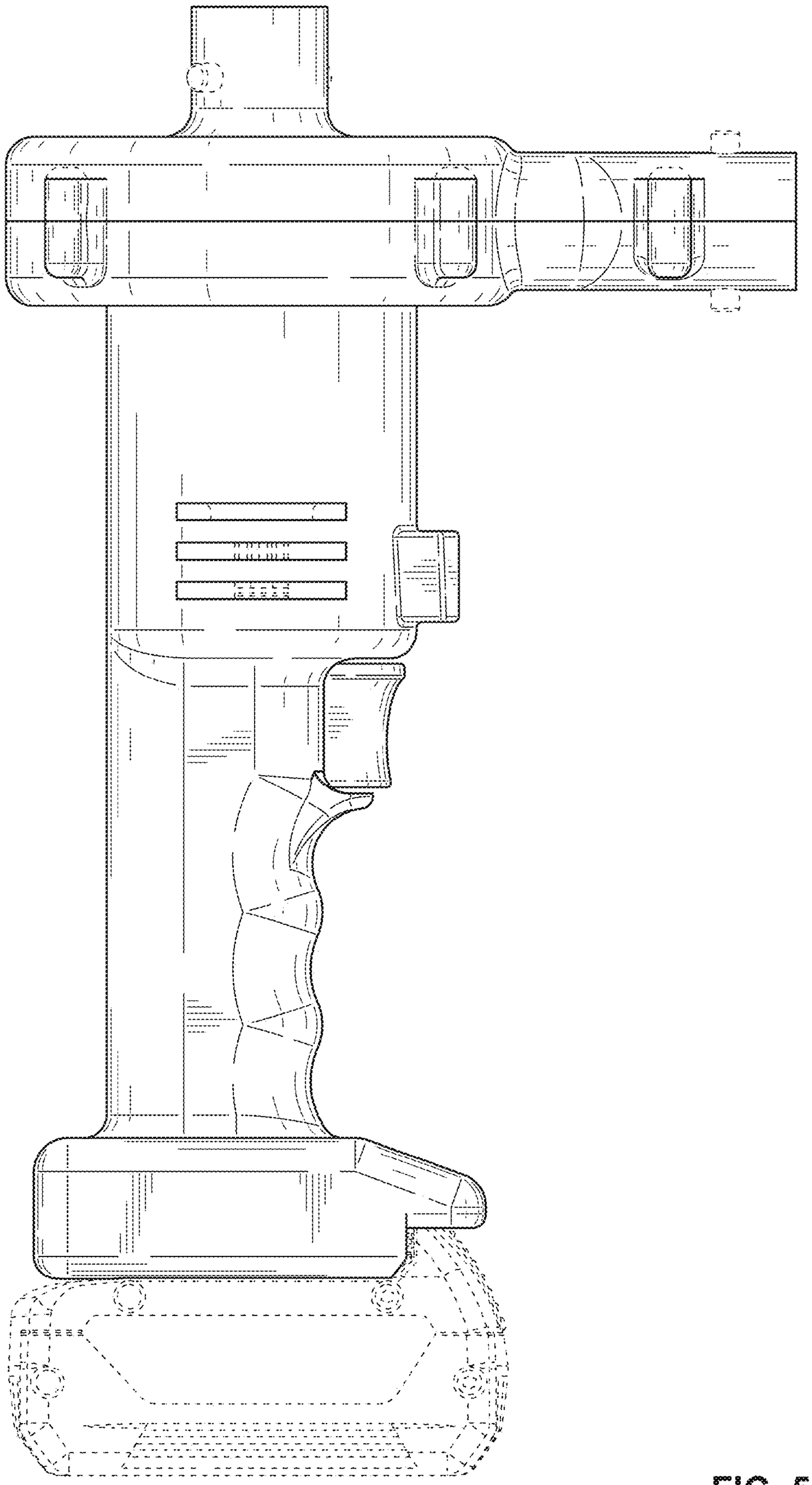


FIG. 5

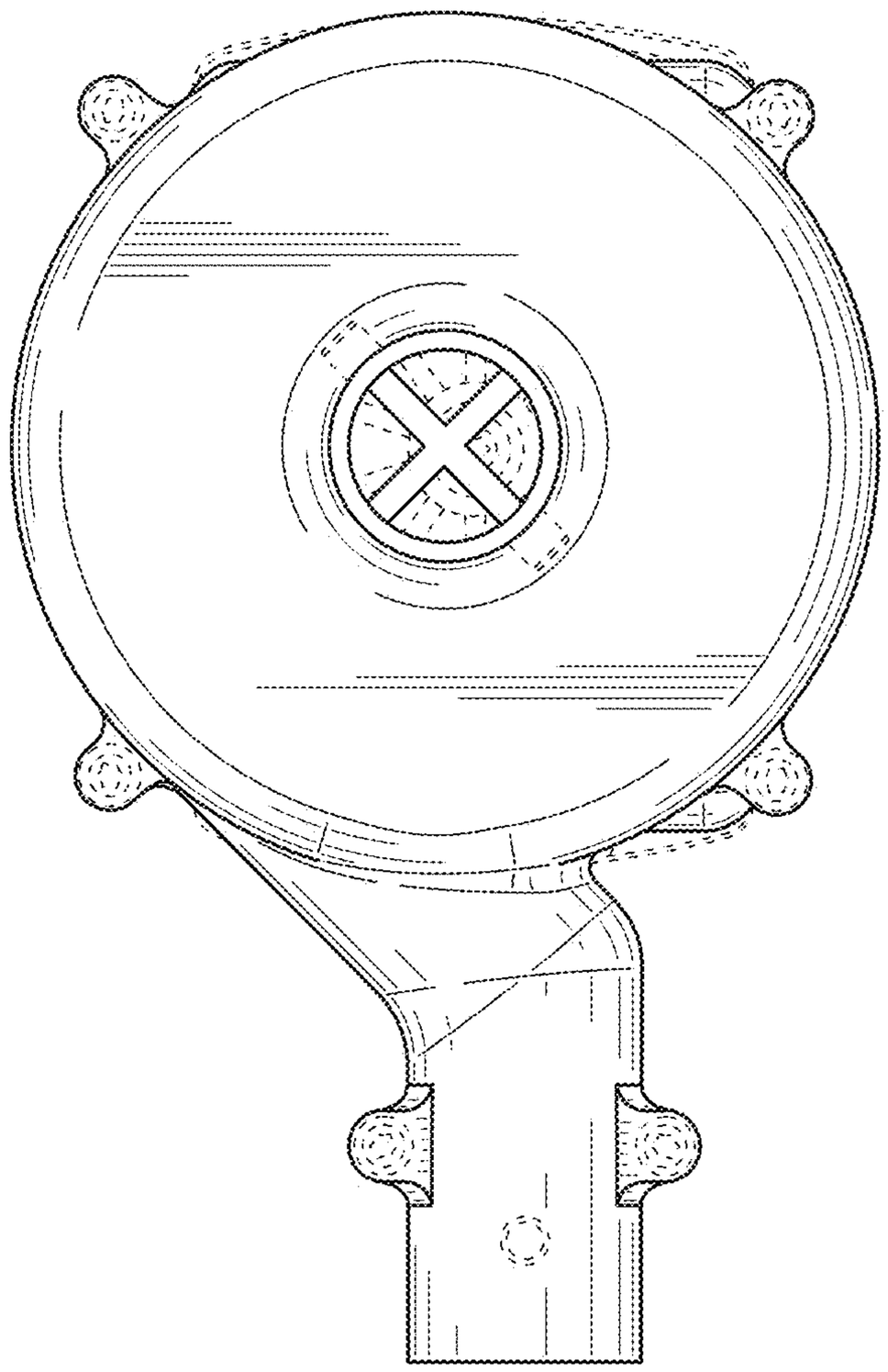


FIG. 6

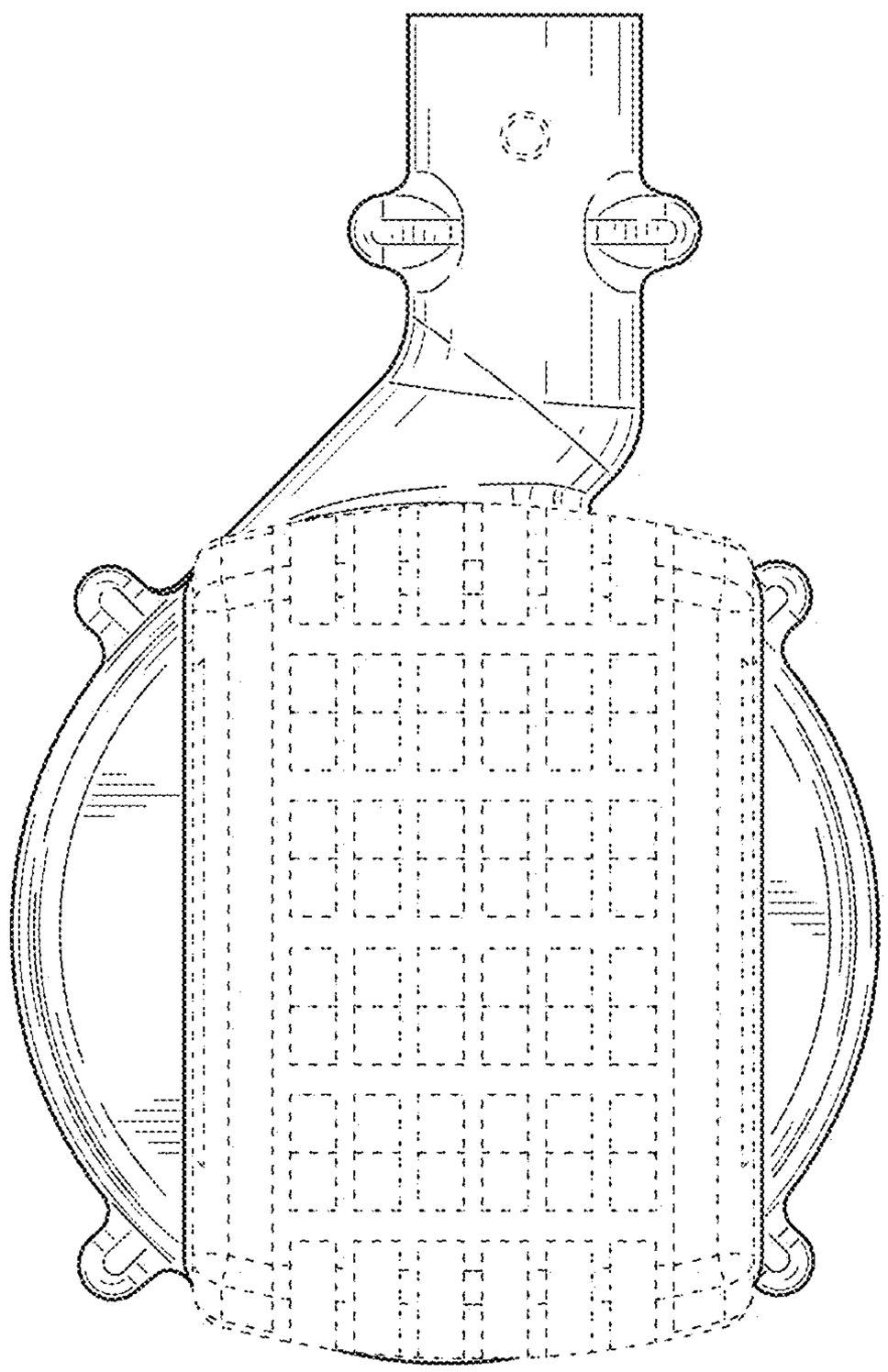


FIG. 7