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United States Design Patent

Zou

(10)

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(45)

Date of Patent:

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(54) WATER FILTER

FOREIGN PATENT DOCUMENTS

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CN 1683883 A 10/2005
CN 1683886 A 10/2005
(Continued)

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USPC D23/209

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USPC D23/207, 209
CPC C02F 2201/006; C02F 1/003
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

3,907,688	A	9/1975	Close	
4,271,020	A	6/1981	Van Meter	
4,322,290	A	3/1982	Carl	
4,379,053	A	4/1983	Brane	
4,645,601	A	2/1987	Regunathan et al.	
4,735,716	A	4/1988	Petrucci et al.	
4,877,521	A	10/1989	Petrucci et al.	
5,102,543	A	4/1992	Burroughs	
D337,234	S *	7/1993	McGinnis	D7/313
5,354,464	A	10/1994	Slovak et al.	
5,645,720	A	7/1997	Godines	
5,653,871	A	8/1997	Thomsen	
5,705,067	A	1/1998	Sumi et al.	
5,715,699	A	2/1998	Coates et al.	
5,744,030	A	4/1998	Reid et al.	
6,120,685	A	9/2000	Carlson et al.	
6,303,031	B1	10/2001	Senner	
6,458,269	B1	10/2002	Bassett et al.	

(Continued)

OTHER PUBLICATIONS

Brio LT1000P Replacement for LG LT1000P, MDJ64844601, Kenmore Elite 9980, ADQ74793501 LT1000PC ADQ74793502, LMXS28626S, LMXC23796S, LFXS26973D Refrigerator Water, NSF 42 & 372—
Date First Available: Jan. 6, 2021, site visited Jan. 6, 2023 https://www.amazon.com/Brio-Replacement-MDJ64844601-ADQ74793501-Refrigerator/dp/B08S6MR1R2/ref=sr_1_1?crid=3IU95H1U37OPA&keywords=Brio+6046A+Refrigerator+Water+Filter+Replacement&qid=1672768568&srefix=brio+6046a+refrigerator+water+filter+replacement%2Caps%2C362&sr=8-1 (Year: 2021).*

(Continued)

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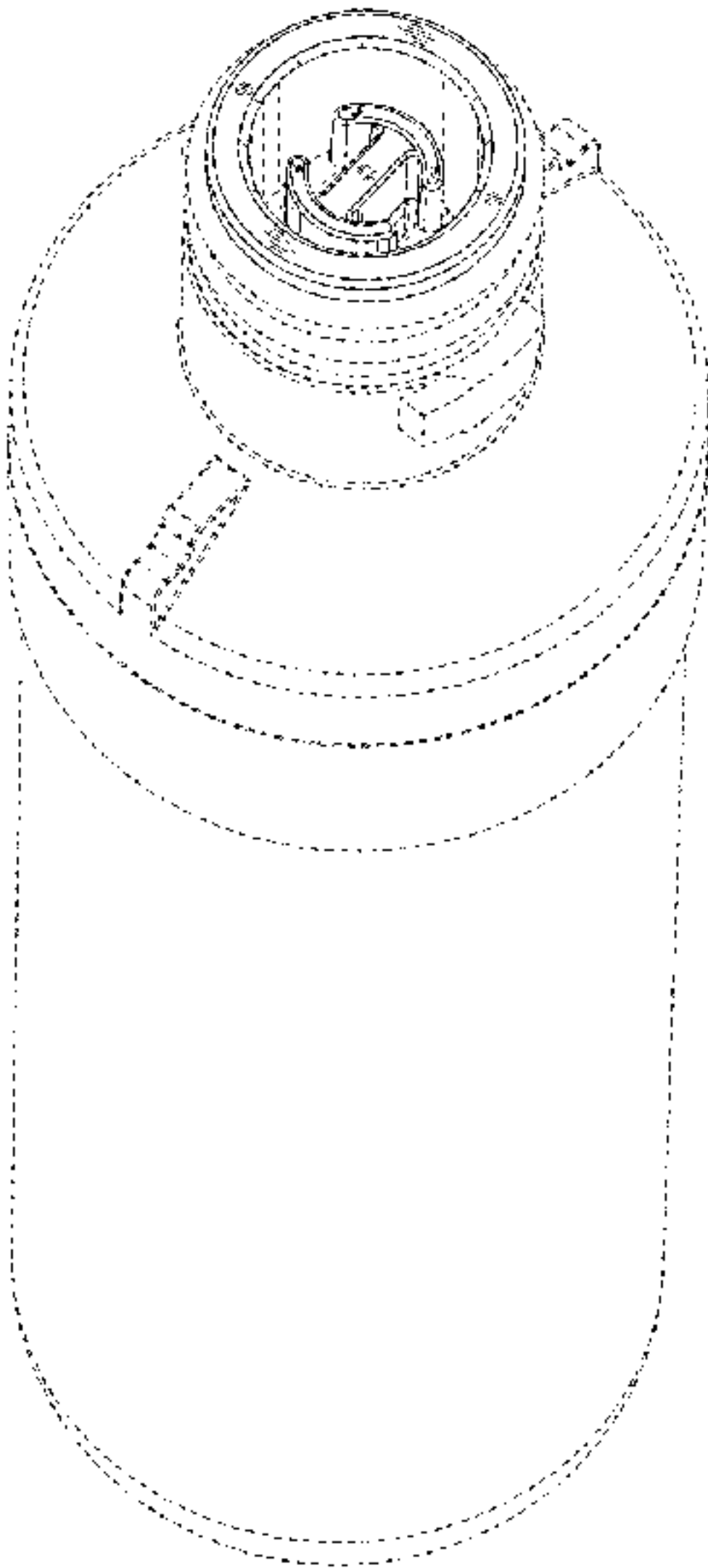
(57) CLAIM

I claim the ornamental design for a water filter, as shown and described.

DESCRIPTION

FIG. 1 is a front-right perspective view of a water filter according to the present application;
FIG. 2 is a front-top-right perspective view thereof;
FIG. 3 is a right-side view thereof;
FIG. 4 is a left-side view thereof;
FIG. 5 is a front-side view thereof;
FIG. 6 is a back-side view thereof;
FIG. 7 is a top view thereof, and,
FIG. 8 is a bottom view thereof.
The broken lines depict portions of the water filter that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited**U.S. PATENT DOCUMENTS**

6,949,189	B2	9/2005	Bassett et al.	
7,540,956	B1	6/2009	Kurth et al.	
7,540,957	B1	6/2009	Kurth et al.	
7,763,170	B2	7/2010	Bassett et al.	
8,246,883	B2	8/2012	Bassett et al.	
8,356,716	B1	1/2013	Kruckenberg et al.	
8,505,741	B2	8/2013	Scholz et al.	
8,562,830	B2	10/2013	Reid	
8,746,003	B2	6/2014	Yoon	
8,845,896	B2	9/2014	Kruckenberg et al.	
8,888,998	B2	11/2014	Swain	
9,027,361	B2	5/2015	Shaffer et al.	
9,067,154	B1	6/2015	Branscomb et al.	
D750,739	S *	3/2016	Baird	D23/209
9,314,722	B2	4/2016	Reid	
9,421,485	B2	8/2016	Reid	
D794,750	S *	8/2017	Zou	D23/209
9,931,589	B2	4/2018	Tubby et al.	
D820,947	S	6/2018	An et al.	
D820,948	S	6/2018	An et al.	
10,071,326	B2	9/2018	Schmoll	
D831,786	S	10/2018	Zou	
D831,788	S *	10/2018	Zou	D23/209
D835,752	S *	12/2018	Spiegel	D23/209
10,188,972	B2	1/2019	You et al.	
10,226,722	B1	3/2019	Baird	
D854,122	S	7/2019	An et al.	
D856,472	S	8/2019	Zou	
D857,157	S	8/2019	Zou	
D857,158	S	8/2019	Zou	
D857,841	S *	8/2019	Lu	D23/209
D865,119	S	10/2019	An et al.	
10,532,302	B2	1/2020	You et al.	
D878,517	S	3/2020	Zou	
10,639,570	B2	5/2020	You et al.	
10,653,984	B2	5/2020	You et al.	
D886,941	S *	6/2020	Zou	D23/209
10,724,786	B2	7/2020	Park	
D894,329	S *	8/2020	Qiang	D23/209
10,734,498	B1	8/2020	Brown et al.	
10,737,206	B2	8/2020	Reid	
D896,342	S *	9/2020	Wei	D23/209
10,780,377	B2	9/2020	Schmitt et al.	
10,807,026	B2	10/2020	Stamey, Jr. et al.	
D913,416	S	3/2021	Qiang	
D913,417	S *	3/2021	Huaping	D23/209
D930,787	S *	9/2021	Lee	D23/209
D948,661	S *	4/2022	Zou	D23/209
D961,043	S *	8/2022	Wei	D23/209
D961,725	S *	8/2022	Kim	D23/209
D964,510	S *	9/2022	Melkonian	D23/209
D964,511	S *	9/2022	Kim	D23/209
2003/0085572	A1	5/2003	Froment et al.	
2004/0144710	A1	7/2004	Bassett et al.	
2004/0211931	A1	10/2004	Olson et al.	
2005/0023206	A1	2/2005	Fritze	
2005/0167352	A1	8/2005	Burrows et al.	
2006/0213821	A1	9/2006	Choi et al.	
2006/0243652	A1	11/2006	Tubby et al.	
2006/0254971	A1	11/2006	Tubby et al.	
2007/0144953	A1	6/2007	Rivi	
2007/0227959	A1	10/2007	Sinur et al.	
2008/0142431	A1	6/2008	Lim et al.	
2009/0236271	A1	9/2009	Eserkaln et al.	
2009/0236277	A1	9/2009	Kurth et al.	
2009/0321340	A1	12/2009	Rampen et al.	
2010/0170841	A1	7/2010	An et al.	
2010/0275633	A1	11/2010	An et al.	
2011/0120928	A1	5/2011	Schmitt	
2011/0139698	A1	6/2011	Freystedt et al.	
2011/0168613	A1	7/2011	van Savooijen et al.	
2011/0203985	A1	8/2011	Reid	
2012/0031821	A1	2/2012	Swain	
2013/0220910	A1	8/2013	Gu et al.	
2013/0298378	A1	11/2013	Suri	

2014/0061119	A1	3/2014	Croissant et al.
2014/0144173	A1	5/2014	Shaffer et al.
2014/0175000	A1	6/2014	Reid
2014/0230481	A1	8/2014	Yun et al.
2015/0183672	A1	7/2015	Washburn et al.
2016/0025406	A1	1/2016	An
2016/0136547	A1	5/2016	Nuss
2016/0144301	A1	5/2016	Tadlock et al.
2016/0271535	A1	9/2016	Dong et al.
2016/0271536	A1	9/2016	Joung et al.
2017/0021294	A1	1/2017	Reid
2017/0072347	A1	3/2017	Schmoll
2017/0259196	A1	9/2017	Foix et al.
2017/0340993	A1	11/2017	Zou
2017/0350641	A1	12/2017	Park
2018/0015400	A1	1/2018	Park et al.
2018/0369728	A1	12/2018	You et al.
2022/0176280	A1	6/2022	Zou

FOREIGN PATENT DOCUMENTS

CN	100498163	C	6/2009
CN	201524475	U	7/2010
CN	102065974	B	7/2014
CN	107215905	A	9/2017
CN	108355494	A	8/2018
CN	305093856	S	4/2019
CN	210176521	U	3/2020
CN	306274350	S	1/2021
CN	202030386192.0	*	8/2021
CN	202230109095.6	*	5/2022
DE	102014006703	B4	10/2019
EP	1328329	B1	12/2004
EP	3222337	A1	9/2017
EP	3552680	A1	10/2019
EP	3552684	A1	10/2019
EP	3650101	A1	5/2020
GB	1283814	A	8/1972
JP	10066804	A	3/1998
JP	5765676	B2	8/2015
KR	1020030068235	A	8/2003
KR	200384558	Y1	5/2005
KR	100668767	B1	1/2007
KR	100712266	B1	5/2007
KR	1020070081912	A	8/2007
KR	100797051	B1	1/2008
KR	1020080006177	A	1/2008
KR	100804302	B1	2/2008
KR	100873665	B1	12/2008
KR	1020090092881	A	9/2009
KR	1020100012979	A	2/2010
KR	2020110006467	U	6/2011
KR	101127426	B1	3/2012
KR	1020130048427	A	5/2013
KR	101311654	B1	9/2013
KR	101478965	B1	12/2014
KR	1020150057791	A	5/2015
KR	1020160000194	A	1/2016
KR	101601391	B1	3/2016
KR	101668804	B1	10/2016
KR	101706993	B1	2/2017
KR	101788965	B1	10/2017
KR	1020190045880	A	5/2019
KR	1020190045881	A	5/2019
KR	1020190081761	A	7/2019
KR	3020160017281	*	10/2019
KR	3020200002186	*	6/2022
WO	0191881	A2	12/2001
WO	2012086892	A1	6/2012
WO	2013039194	A1	3/2013
WO	2014056161	A1	4/2014
WO	2014117426	A1	8/2014
WO	2014171603	A1	10/2014

(56) **References Cited**

FOREIGN PATENT DOCUMENTS

WO 2015167248 A1 11/2015
WO 2018104416 A1 6/2018

OTHER PUBLICATIONS

Filterlogic LT1000PC ADQ747935 MDJ64844601 Refrigerator Water Filter, Replacement for LG® LT1000PR/PC/PCS, LFXS26596S, LFXS28596S, LFXC22526S, ADQ74793501, ADQ74793502, Kenmore 46-9980, 3 Filters—Date First Available Jul. 30, 2018; site visited on Jan. 6, 2023 URL: <https://www.amazon.com/dp/B07GXFR1V7#customerReviews> (Year: 2018).*

Overbest LT1000PC ADQ747935 Refrigerator Water Filter and Air Filter, Replacement for LG® LT1000PR, ADQ74793501, ADQ74793502, Kenmore 469980, 9980 and LT120F®, 3 Combo—Date First Available: Aug. 13, 2020, site visited Jan. 6, 2023 https://www.amazon.com/Overbest-Replacement-LT1000P-LT-1000PC-MDJ64844601/dp/B08FSR49RR/ref=psdc_3741241_t1_B07H9LHMR2 (Year: 2020).*

Design U.S. Appl. No. 29/740,334.

Design U.S. Appl. No. 29/802,158.

U.S. Appl. No. 17/366,014.

Office Action from U.S. Appl. No. 29/740,334 dated Apr. 22, 2022, 7 pages.

* cited by examiner

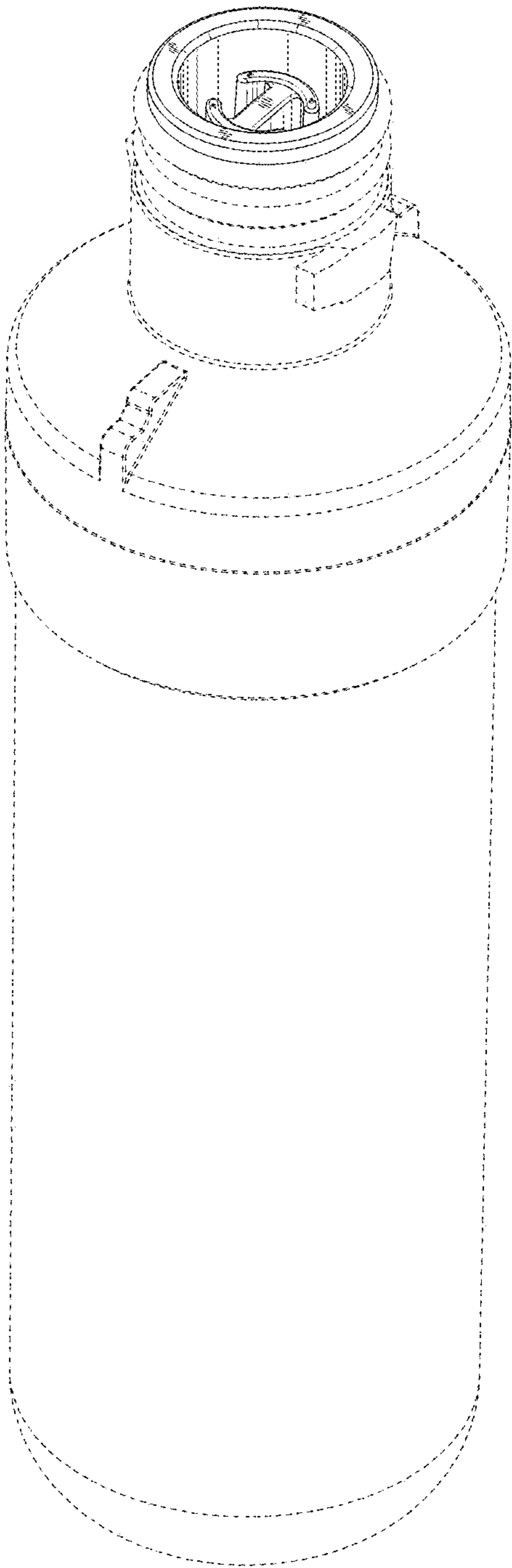


FIG. 1

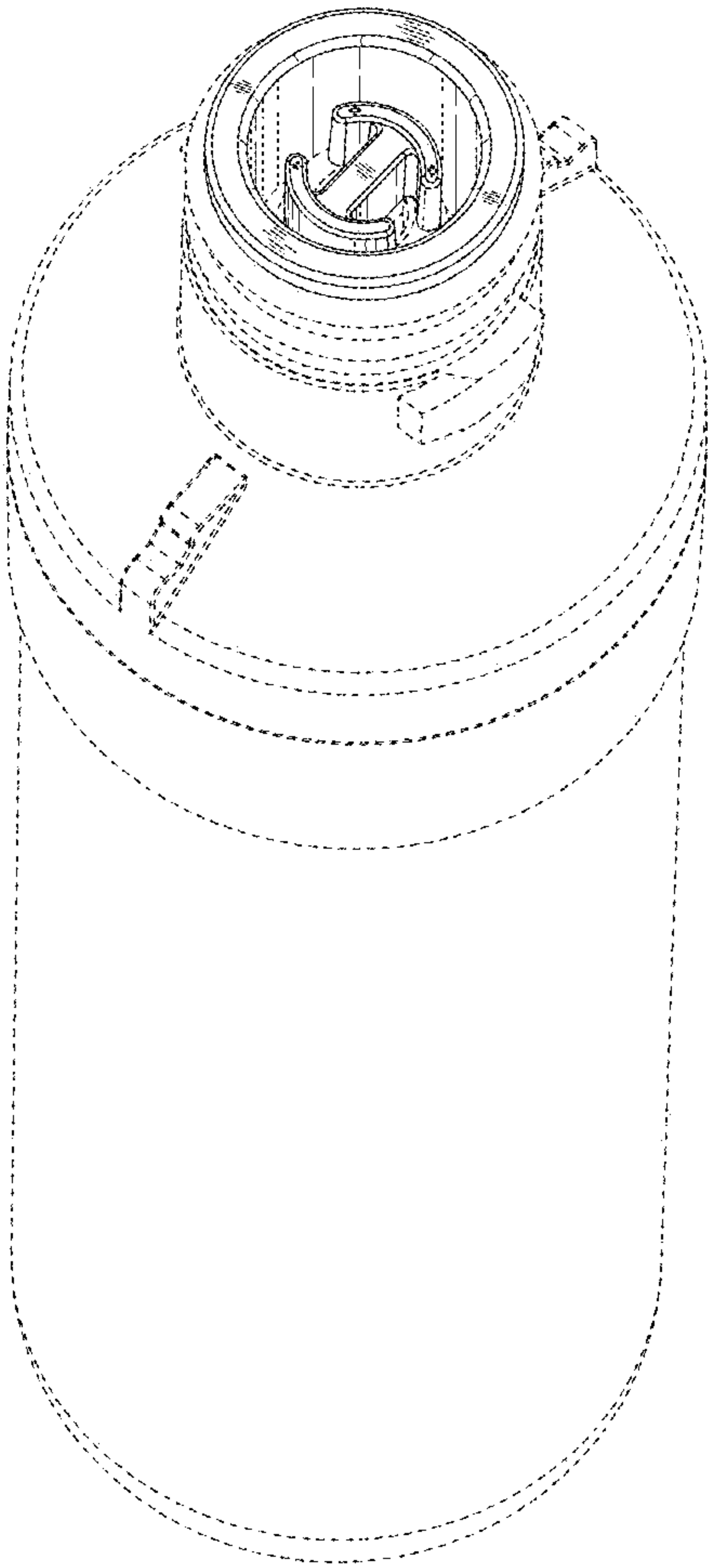


FIG. 2



FIG. 3



FIG. 4



FIG. 5



FIG. 6

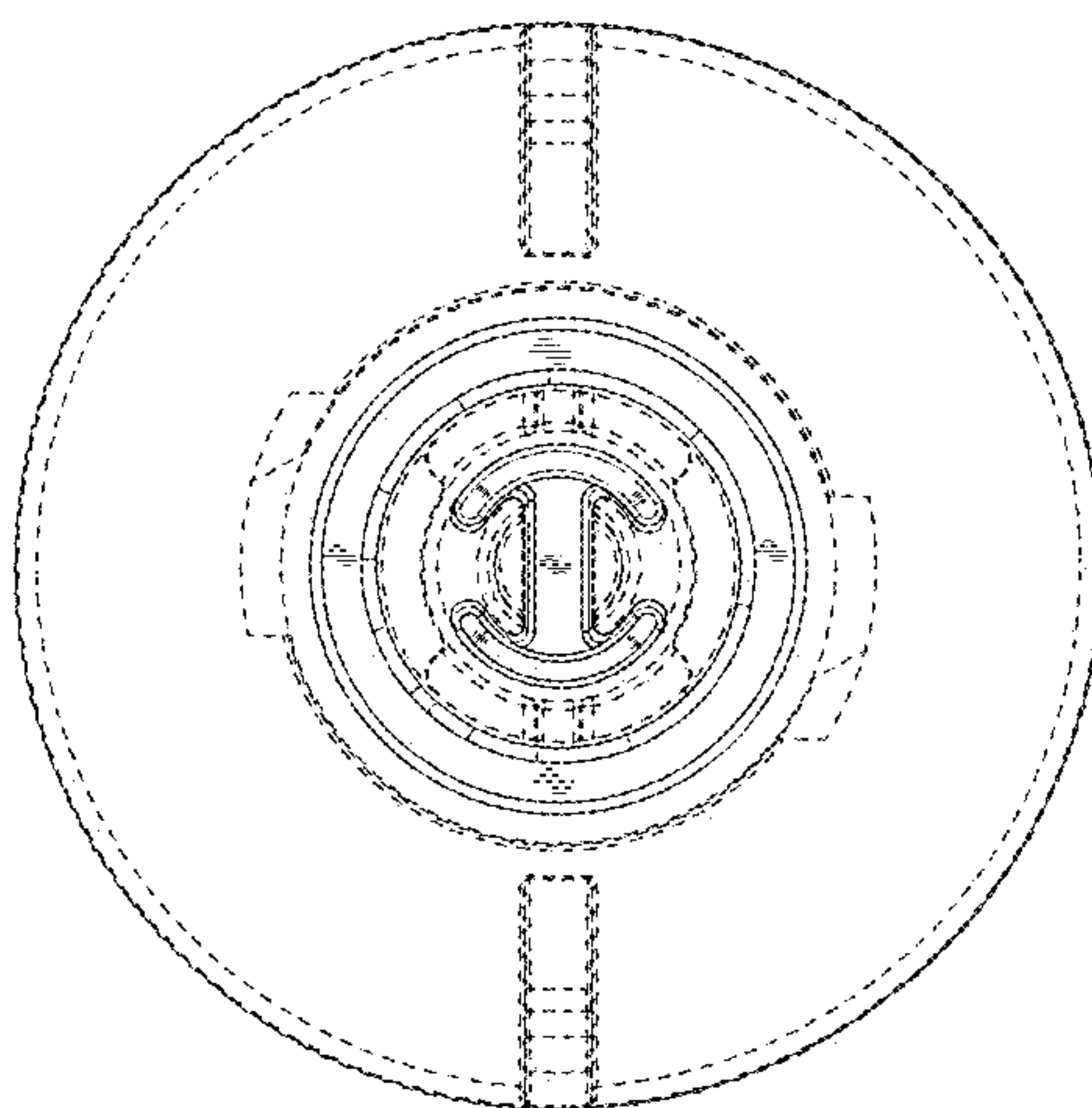


FIG. 7

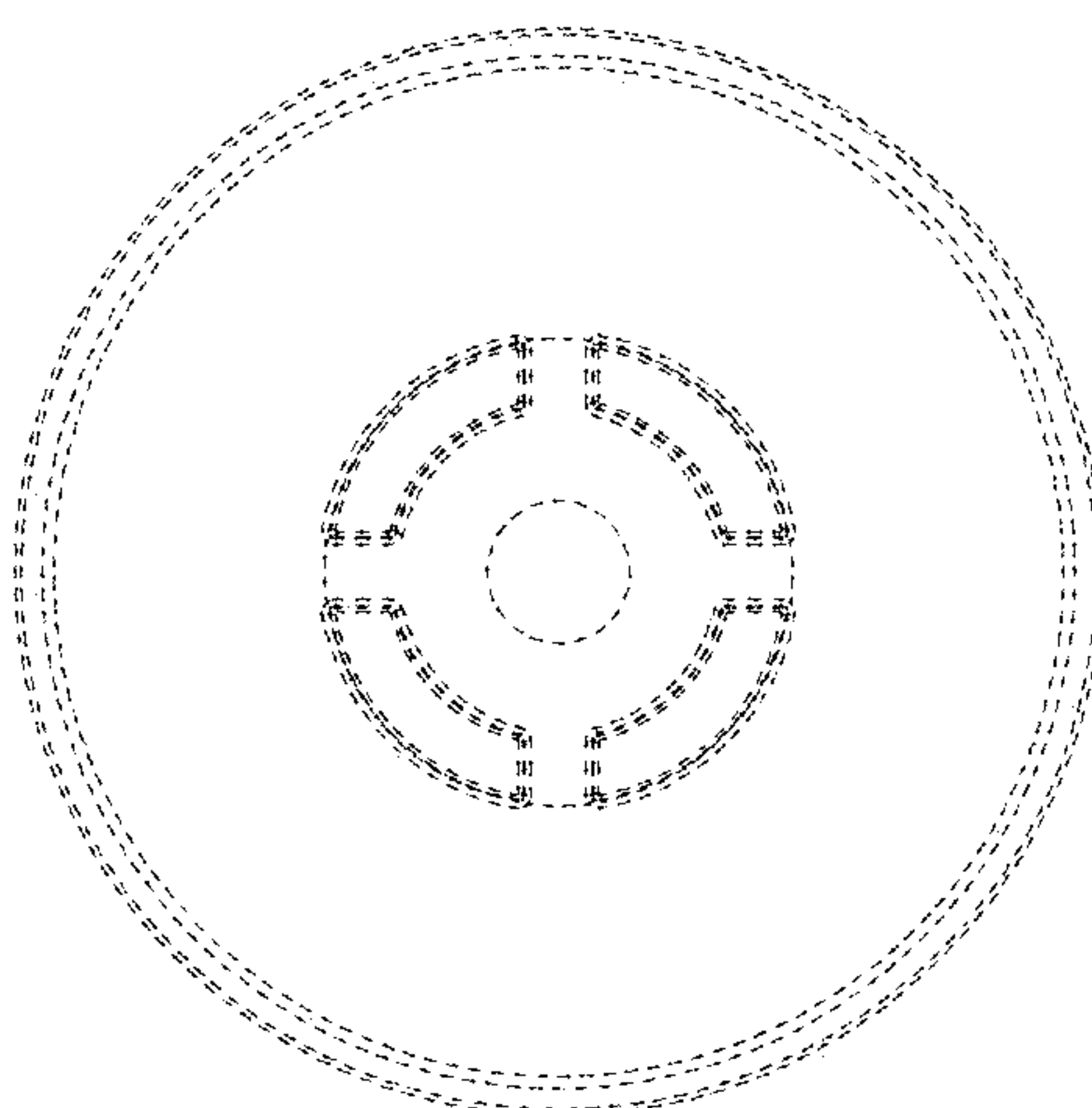


FIG. 8