

US0D1010107S

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

(10) **Patent No.: US D1,010,107 S**
(45) **Date of Patent: ** Jan. 2, 2024**

- (54) **HANDHELD DRUG DELIVERY DEVICE**
- (71) Applicant: **AMGEN INC.**, Thousand Oaks, CA (US)
- (72) Inventors: **Matias Melander**, Copenhagen (DK); **Bjarke Lykke Ludvig Svendsen**, Slagelse (DK); **Christian Plambech**, Soeborg (DK); **Dylan Bourelle**, Woodland Hills, CA (US); **Jakob Halkjaer Pedersen**, Frederiksberg (DK); **Joshua J. Dudman**, Copenhagen (DK); **Emil Gram Spork**, Thousand Oaks, CA (US)
- (73) Assignee: **AMGEN INC.**, Thousand Oaks, CA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/848,003**
- (22) Filed: **Jul. 29, 2022**

Related U.S. Application Data

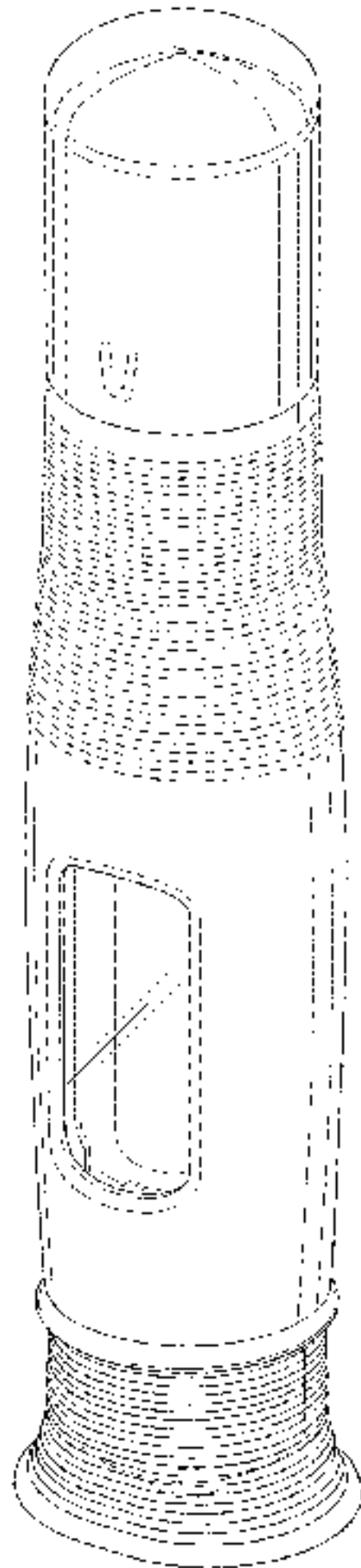
- (62) Division of application No. 29/757,407, filed on Nov. 5, 2020, now Pat. No. Des. 962,423.
- (51) **LOC (14) Cl.** **24-02**
- (52) **U.S. Cl.**
USPC **D24/113**
- (58) **Field of Classification Search**
USPC D24/112, 113, 114, 133, 186, 127–131, D24/144; D19/115–123, 177, 193
CPC A61M 5/3156; A61M 5/31591; A61M 5/3155; A61M 5/3157; A61M 5/24; A61M 5/31501; A61M 5/31551; A61M 5/31585
See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

758,567 A 4/1904 Siebelist.
3,316,909 A 5/1967 Cowley

D321,472 S	11/1991	Evans et al.
5,098,400 A	3/1992	Crouse et al.
5,562,637 A	10/1996	Utterberg
5,569,192 A	10/1996	van der Wal
5,964,731 A	10/1999	Kovelman
D443,641 S	6/2001	Mader
6,447,480 B1	9/2002	Brunel
6,454,746 B1	9/2002	Bydlon et al.
6,575,939 B1	6/2003	Brunel
6,585,702 B1	7/2003	Brunel
D497,806 S	11/2004	Nichols et al.
D509,296 S	9/2005	Minshull et al.
D545,895 S	7/2007	Okutani
D545,896 S	7/2007	Qiu
7,247,153 B2	7/2007	Guala
7,370,759 B2	5/2008	Hommann
7,397,730 B2	7/2008	Skyggebjerg et al.
D596,774 S	7/2009	Winston
7,597,685 B2	10/2009	Olson
D605,006 S	12/2009	Shiao
D612,486 S	3/2010	Van der Stappen
D616,089 S	5/2010	Van der Stappen
D619,244 S	7/2010	Van der Stappen
D620,106 S	7/2010	Van der Stappen
D621,929 S	8/2010	Van der Stappen
D622,374 S	8/2010	Julian et al.
7,771,397 B1	8/2010	Olson
D623,738 S	9/2010	Van der Stappen
7,794,432 B2	9/2010	Young et al.
7,806,861 B2	10/2010	Witowski
D626,994 S	11/2010	Gerules
D627,061 S	11/2010	Van der Stappen
D628,690 S	12/2010	Galbraith
D629,509 S	12/2010	Julian et al.
D640,786 S	6/2011	Sato et al.
7,988,675 B2	8/2011	Gillespie, III et al.
8,062,255 B2	11/2011	Brunnberg et al.
D660,958 S	5/2012	McLoughlin et al.
8,298,194 B2	10/2012	Schmidt
D671,638 S	11/2012	Young et al.
8,313,470 B2	11/2012	Abry
8,357,125 B2	1/2013	Grunhut et al.
8,361,025 B2	1/2013	Lawlis et al.
8,372,035 B2	2/2013	Matusch
D678,514 S	3/2013	Foley et al.
D683,016 S	5/2013	Mirza et al.
8,529,518 B2	9/2013	Larsen et al.
8,568,359 B2	10/2013	Carrel et al.
8,568,364 B2	10/2013	Plumptre
D692,998 S	11/2013	Broberg et al.
D696,397 S	12/2013	Guarraia et al.
D696,770 S	12/2013	Schneider et al.
D696,772 S	12/2013	Schneider et al.



US D1,010,107 S

Page 2

D696,773 S	12/2013	Schneider et al.	D802,751 S	11/2017	Ratjen et al.
D696,774 S	12/2013	Guarraia et al.	D809,137 S	1/2018	Ratjen
D696,775 S	12/2013	Guarraia et al.	D810,280 S	2/2018	Tharp et al.
8,608,709 B2	12/2013	Moeller et al.	D810,282 S	2/2018	Ratjen
D697,205 S	1/2014	Schneider et al.	9,895,493 B2	2/2018	Burnell et al.
8,647,299 B2	2/2014	Stamp	D812,746 S	3/2018	Umemura
8,696,618 B2	4/2014	Kramer et al.	D813,379 S	3/2018	Mills et al.
8,740,871 B2	6/2014	Lawlis et al.	D814,022 S	3/2018	Boyaval et al.
D708,317 S	7/2014	Schneider et al.	RE46,789 E	4/2018	Olson
8,814,828 B2	8/2014	Llewellyn-Hyde et al.	D815,732 S	4/2018	Mills et al.
8,817,258 B2	8/2014	Whalley et al.	D816,212 S	4/2018	Daniel et al.
D714,932 S	10/2014	Hall et al.	D819,198 S	5/2018	Boyaval et al.
D715,422 S	10/2014	Hall et al.	D819,200 S	5/2018	Stonecipher et al.
D717,428 S	11/2014	Sendatzki et al.	D819,804 S	6/2018	Knight et al.
8,882,722 B2	11/2014	Bode et al.	9,987,436 B2	6/2018	Giambattista et al.
D721,802 S	1/2015	Ohashi	D822,198 S	7/2018	Stonecipher et al.
D722,158 S	2/2015	Magome et al.	D822,199 S	7/2018	Clawson et al.
D722,256 S	2/2015	Kita	D823,459 S	7/2018	Bendek et al.
8,945,065 B2	2/2015	Torris et al.	D827,127 S	8/2018	Donnelly
8,945,067 B2	2/2015	McLoughlin et al.	D827,128 S	8/2018	Boyaval et al.
8,992,484 B2	3/2015	Radmer et al.	D830,539 S	10/2018	Boyaval et al.
D726,902 S	4/2015	McLoughlin et al.	D831,822 S	10/2018	Guillermo et al.
D728,782 S	5/2015	Dubuc et al.	10,159,795 B2	12/2018	Cave
9,022,982 B2	5/2015	Karlsson et al.	10,265,476 B2	4/2019	Laiosa et al.
9,033,932 B2	5/2015	Holmqvist	D851,754 S	6/2019	Boyaval et al.
D732,161 S	6/2015	Ohashi	10,335,553 B2	7/2019	Bendek
D732,661 S	6/2015	Dubuc et al.	D857,192 S	8/2019	Burkett et al.
D733,869 S	7/2015	Ratjen	D861,859 S	10/2019	Rapp et al.
9,072,833 B2	7/2015	Jennings et al.	D864,378 S	10/2019	Tafazoli et al.
9,078,973 B2	7/2015	Harms et al.	D866,751 S	11/2019	Rogge et al.
D735,848 S	8/2015	Dubuc et al.	D866,752 S	11/2019	Rogge et al.
9,114,212 B2	8/2015	Enggaard et al.	D866,757 S	11/2019	Diluzio et al.
D737,639 S	9/2015	Masalin et al.	D867,588 S	11/2019	Rogge et al.
D739,011 S	9/2015	Morrison et al.	D868,245 S	11/2019	Holmqvist et al.
D739,932 S	9/2015	Ratjen et al.	D868,961 S	12/2019	Stewart et al.
9,174,000 B2	11/2015	Bode	D870,270 S	12/2019	Burkett et al.
9,233,212 B2	1/2016	Holmqvist	10,512,725 B1	12/2019	Bauss et al.
9,238,111 B2	1/2016	Marshall et al.	D878,560 S	3/2020	Boyaval et al.
9,242,050 B2	1/2016	Abry	D878,563 S	3/2020	Clawson et al.
9,272,094 B2	3/2016	Boyd et al.	D878,564 S	3/2020	Clawson et al.
9,295,784 B2	3/2016	Eggert et al.	D878,566 S	3/2020	Jansen
9,302,053 B2	4/2016	Holmqvist	D882,071 S *	4/2020	Stonecipher D24/113
D755,956 S	5/2016	McLoughlin et al.	RE48,006 E	5/2020	Fourt et al.
D757,255 S	5/2016	Wohlfahrt et al.	D883,475 S	5/2020	Boyaval et al.
9,333,305 B2	5/2016	McLoughlin et al.	D884,161 S	5/2020	Stewart et al.
9,339,610 B2	5/2016	Julian et al.	D886,281 S	6/2020	Boyaval et al.
D758,566 S	6/2016	Chen	D886,282 S	6/2020	Stonecipher et al.
D758,567 S	6/2016	Wohlfahrt et al.	D892,311 S	8/2020	Nicholas et al.
D758,568 S	6/2016	Wohlfahrt et al.	D892,312 S	8/2020	Nicholas et al.
D758,569 S	6/2016	Wohlfahrt et al.	D893,710 S	8/2020	Neby
D758,570 S	6/2016	Wohlfahrt et al.	10,780,256 B2	9/2020	Cordoba et al.
D758,571 S	6/2016	Geert-Jensen et al.	D898,189 S *	10/2020	Boyaval D24/113
D759,813 S	6/2016	Newman et al.	D898,900 S	10/2020	Atterbury et al.
D759,814 S	6/2016	Newman et al.	D917,064 S	4/2021	Ribeiro et al.
D765,239 S	8/2016	Hauck et al.	D922,566 S	6/2021	Ono
D765,240 S	8/2016	Hauck et al.	D922,567 S	6/2021	Boyaval et al.
9,421,336 B2	8/2016	Ekman et al.	D931,443 S	9/2021	Bainton et al.
D766,425 S	9/2016	Hauck et al.	D936,824 S *	11/2021	Donnelly D24/113
D767,119 S	9/2016	Hauck et al.	D956,212 S	6/2022	Petersen et al.
D770,610 S	11/2016	Saussaye et al.	D958,329 S *	7/2022	Bourelle D24/113
D773,648 S	12/2016	Wohlfahrt et al.	D962,423 S *	8/2022	Melander D24/113
D773,650 S	12/2016	Fourt et al.	D965,140 S *	9/2022	Petersen D24/113
D774,639 S	12/2016	Saussaye et al.	D973,866 S *	12/2022	Bourelle D24/113
D774,641 S	12/2016	Miggels et al.	D974,547 S *	1/2023	O'Malley D24/113
D775,279 S	12/2016	Shen	D985,116 S *	5/2023	Davis D24/113
D780,909 S	3/2017	Burkett et al.	D985,117 S *	5/2023	Davis D24/113
9,586,007 B2 *	3/2017	Roervig A61M 5/31583	D985,118 S *	5/2023	Davis D24/113
D783,816 S	4/2017	Wohlfahrt et al.	D985,119 S *	5/2023	Melander D24/113
9,623,199 B2	4/2017	Richter et al.	D990,668 S *	6/2023	Bourelle D24/113
9,656,027 B2	5/2017	Quinn	D992,109 S *	7/2023	O'Malley D24/113
D788,909 S	6/2017	Ratjen	2004/0068283 A1	4/2004	Fukuzawa et al.
D789,519 S	6/2017	Ratjen et al.	2005/0148933 A1	7/2005	Raven et al.
D790,686 S	6/2017	Cox et al.	2006/0100655 A1	5/2006	Leong et al.
D793,547 S	8/2017	Burkett et al.	2008/0269682 A1	10/2008	Kavazov et al.
D794,178 S	8/2017	Daniel et al.	2008/0269692 A1	10/2008	James et al.
D794,777 S	8/2017	Daniel et al.	2009/0054849 A1	2/2009	Burnell et al.
D794,778 S	8/2017	Daniel et al.	2009/0234297 A1	9/2009	Jennings
D799,026 S	10/2017	Jones et al.	2010/0152659 A1	6/2010	Streit et al.
D802,748 S	11/2017	Mills et al.	2011/0098656 A1	4/2011	Burnell et al.

2012/0089098	A1	4/2012	Boyd et al.
2012/0123347	A1	5/2012	Boyd et al.
2012/0123350	A1	5/2012	Giambattista et al.
2012/0197208	A1	8/2012	Bruggemann et al.
2012/0232474	A1	9/2012	Nielsen et al.
2013/0035645	A1	2/2013	Bicknell et al.
2013/0060231	A1	3/2013	Adlon et al.
2013/0150802	A1	6/2013	Claughton
2013/0211330	A1	8/2013	Pedersen et al.
2013/0211340	A1	8/2013	Helmer
2013/0274671	A1	10/2013	Jennings et al.
2013/0281933	A1	10/2013	Cowe et al.
2013/0310746	A1	11/2013	Robert
2013/0331796	A1	12/2013	Wozencroft
2014/0012205	A1	1/2014	Jugl et al.
2014/0094743	A1	4/2014	Bengtsson
2014/0101912	A1	4/2014	Abry
2014/0207073	A1	7/2014	Shang et al.
2014/0213985	A1	7/2014	Teucher et al.
2014/0221916	A1	8/2014	Kramer et al.
2014/0221936	A1	8/2014	Edhouse et al.
2014/0228769	A1	8/2014	Karlsson et al.
2014/0243750	A1	8/2014	Larsen et al.
2014/0243753	A1	8/2014	Boström
2014/0323976	A1	10/2014	Jugl et al.
2014/0330216	A1	11/2014	Weaver et al.
2014/0336588	A1	11/2014	Mcloughlin et al.
2014/0343503	A1	11/2014	Holmqvist
2014/0343507	A1	11/2014	Karlsson et al.
2014/0364812	A1	12/2014	Lumme et al.
2014/0371684	A1	12/2014	Holmqvist
2015/0051553	A1	2/2015	Björk et al.
2015/0174325	A1	6/2015	Young et al.
2015/0190577	A1	7/2015	Shaanan et al.
2015/0202368	A1	7/2015	Carrel et al.
2015/0290396	A1	10/2015	Nagar et al.
2015/0335829	A1	11/2015	Giambattista et al.
2015/0367081	A1	12/2015	Rosenthal
2016/0082198	A1	3/2016	Holmqvist
2016/0106929	A1	4/2016	Fournier et al.
2016/0144132	A1	5/2016	Scanlon
2016/0151586	A1	6/2016	Kemp
2016/0193413	A1	7/2016	Gabrielsson
2016/0199589	A1	7/2016	Plumptre
2016/0220763	A1	8/2016	Teucher et al.
2016/0250421	A1	9/2016	Fincham et al.
2016/0263325	A1	9/2016	Huthmacher et al.
2016/0303327	A1	10/2016	Moren
2017/0128668	A1	5/2017	Miller et al.
2017/0182242	A1	6/2017	Galitz et al.
2018/0043101	A1	2/2018	Weaver et al.
2018/0104413	A1	4/2018	Mcloughlin et al.
2019/0247589	A1	8/2019	Holmqvist et al.
2019/0266921	A1	8/2019	Chang
2019/0298924	A1	10/2019	Gibson et al.
2019/0328485	A1	10/2019	Bauss et al.
2020/0179612	A1	6/2020	Wei
2020/0258425	A1	8/2020	Foley et al.
2020/0289753	A1	9/2020	Andréet al.
2021/0093789	A1	4/2021	Plambech et al.
2021/0093796	A1	4/2021	Finkelstein et al.
2021/0093797	A1	4/2021	Finkelstein et al.
2021/0093799	A1	4/2021	Perot et al.
2021/0121633	A1	4/2021	Finkelstein et al.
2022/0288324	A1*	9/2022	Davis A61M 5/3204

FOREIGN PATENT DOCUMENTS

CA	3127415	A1	9/2020
CN	302858428	S	6/2014
CN	304223460		7/2017
CN	304223460	S	7/2017
CN	307287422	S	4/2022
EM	003372911-0002		9/2016
EM	008038723-0005		7/2020
EP	0896827	A1	2/1999
EP	1053037	A1	11/2000
EP	1755706	A1	2/2007
EP	2253348	A1	11/2010

EP	2255842	A1	12/2010
EP	2298390	A1	3/2011
EP	2361648	A1	8/2011
EP	2555820	A2	2/2013
EP	2729203	A1	5/2014
EP	2788048	A1	10/2014
EP	2878321	A1	6/2015
EP	2902063	A1	8/2015
EP	3038682	A1	7/2016
EP	3184138	A1	6/2017
GB	9003372911-0001		9/2016
GB	9008041362-0012		7/2020
GB	6133321		4/2021
GB	6133347		4/2021
GB	6133354		4/2021
GB	6133358		4/2021
HK	2117909		6/2021
HK	2117909-0004	*	6/2021
IL	67773	A	2/1985
JP	1607619	S	6/2018
JP	1634556	S	6/2019
JP	2020-534959	A	12/2020
JP	1691711	S	8/2021
RU	100256	U1	12/2010
RU	100256	U1	12/2010
RU	100299	U1	12/2010
RU	100299	U1	12/2010
TW	D179360		11/2016
TW	D179362		11/2016
WO	02/87670	A1	11/2002
WO	2005/115508	A1	12/2005
WO	2010/142812	A1	12/2010
WO	2011/126439	A1	10/2011
WO	2012/003516	A2	1/2012
WO	2012/065965	A1	5/2012
WO	2013/006119	A1	1/2013
WO	2013/085454	A1	6/2013
WO	2013/139894	A1	9/2013
WO	2014/096957	A2	6/2014
WO	2014/118105	A1	8/2014
WO	2015/001819	A1	1/2015
WO	2015/028488	A1	3/2015
WO	2015/085068	A1	6/2015
WO	2015/110533	A2	7/2015
WO	2016/055334	A1	4/2016
WO	2016/062807	A1	4/2016
WO	2016/102299	A1	6/2016
WO	2016/198387	A1	12/2016
WO	2018/111796	A1	6/2018
WO	2018/202458	A1	11/2018
WO	2021/030066	A1	2/2021

OTHER PUBLICATIONS

Gvoke Hypopen, Xeris, fiercepharma.com, [Post date: Aug. 14, 2020], [Site seen Apr. 6, 2023], Seen at URL: <https://www.fiercepharma.com/drug-delivery/xeris-gvoke-hypopen-soars-spote-covid-19> (Year: 2020).*

Ypsomate, Ypsomed, issuu.com, [Post date: Oct. 10, 2022], [Site seen Apr. 6, 2023], Seen at URL: https://issuu.com/guyfurness/docs/pfs_-_ondd_-_oct_2022_-_issue_138_-_hires (Year: 2022).*

Roy, Anitha et al, “Autoinjector—A smart device for emergency cum personal therapy”, audi Pharmaceutical Journal, [Post date: Oct. 2021], [Site seen May 3, 2022], seen at URL: <https://www.sciencedirect.com/science/article/pii/S1319016421001821> (Year: 2021). BD Vystra Disposable Pen, BD.com, [Postdate: Jan. 9, 2019], [Site seen May 3, 2022], Seen at URL: <https://drugdeliversystems.bd.com/products/self-injection-systems/vystra-disposable-pen> (Year: 2019). Auto Injectors, Pen Injectors and Inhaler Systems, Pharmaceutical Technology, [post date: unknown], [Site seen May 3, 2022], Seen at URL: <https://www.pharmaceutical-technology.com/contractors/drug-delivery/shl-group/> (Year: 2022).

“Innovating in the viscosity design space with a new 2.25 mL autoinjector platform”, BD InteviaTM, downloaded from the Internet at: < <https://www.cphi-online.com/innovating-in-the-viscosity-design-space-with-a-news112108.html> > (Year: 2021).

AimovigR video demonstration, Amgen, downloaded from the Internet at: <<https://www.amgeninjectiondemos.com/Aimovig>> (Year: 2022).

Amneal Pharmaceuticals, Epinephrine Auto-Injector, downloaded from the Internet at: <<https://www.safcodental.com/catalog/pharmaceuticals-and-otc/pain-relievers-and-antibiotics/epinephrine-auto-injector>> (Year: 2023).

BD Vystra Disposable Pen, BD.com, [Postdate: Jan. 9, 2019], [Site seen May 3, 2022], Seen at URL: <https://drugdeliversystems.bd.com/products/self-injection-systems/vystra-disposable-pen> (Year: 2019).

Industrial Design DM/092744, Millennium Pharmaceuticals, Inc., Registration date Sep. 6, 2016.

International Application No. PCT/US22/19414, International Search Report and Written Opinion, dated Jul. 1, 2022.

International Application No. PCT/US22/19418, International Search Report and Written Opinion, dated Jul. 13, 2022.

Internet publication <https://www.youtube.com/watch?v=VbGb5lt9n80>, dated Sep. 30, 2014.

McGowan, 30 Years in the Making—An Inside Perspective on the Emergency of Autoinjectors, ONdrugDelivery Magazine, Issue 101, pp. 20-23 (Oct. 2019).

Office Action and Search Report for Taiwan application No. 1066305338, dated Mar. 26, 2018.

Office Action, Israel Design Office, Application No. 60912, dated Mar. 4, 2018.

Owen Mumford Pharmaceutical Services, Auto-injectors for intramuscular and subcutaneous administration, [Post date unknown] downloaded from the Internet at: <<https://www.owenmumford.com/en/drug-delivery/auto-injectors>> (Year: 2023).

Parental Drug Association, “Trends in the Self-injection Device Market & next Generation Platform Technologies,” [post date 2018], [Site seen Sep. 6, 2022], Seen at URL: <https://pda-asiapacific.glueup.com/resources/protected/organization/1176/event/26285/93bd1ce6-33aa-48c1-b0b7-9833dd5155bc.pdf> (Year: 2022).

PiccoJect self injector, Haselmeier, downloaded from the Internet at: <<https://globaldesignnews.com/this-compact-user-focused-auto-injector-platform-innovates-with-improved-features-that-address-key-challenges-making%E2%80%A6>> (Year: 2023).

Requirement for Restriction/Election received for received for U.S. Appl. No. 29/757,411, dated Jun. 22, 2022, 6 pages.

Roy et al., Autoinjector—A smart device for emergency cum personal therapy, Saudi Pharmaceutical Journal, 29(10): 1205-1215 (2021).

SHL Group, Auto Injectors & Pen Injectors: A user-centric design approach, downloaded from the Internet at: <<https://www.ondrugdelivery.com/wp-content/uploads/2017/05/SHL-HR.pdf>> (2015).

SHL, Auto Injectors, Pen Injectors and Inhaler Systems, Pharmaceutical Technology, [postdate: unknown], downloaded from the Internet at: <https://www.pharmaceutical-technology.com/contractors/drug_delivery/shl-group/> (Year: 2022).

U.S. Appl. No. 12/597,230, Notice of Allowance, dated Jan. 11, 2023.

U.S. Appl. No. 16/832,987, Non-Final Office Action, dated Sep. 29, 2022.

U.S. Appl. No. 29/644,412, Notice of Allowance, dated Jan. 8, 2020.

U.S. Appl. No. 29/645,820, Notice of Allowance, dated Mar. 5, 2020.

U.S. Appl. No. 29/654,799, Notice of Allowance, dated Apr. 1, 2020.

U.S. Appl. No. 29/654,799, Notice of Allowance, dated Jan. 2, 2020.

U.S. Appl. No. 29/661,300, Notice of Allowance, dated Jan. 8, 2020.

U.S. Appl. No. 29/723,028, Notice of Allowance, dated Jun. 1, 2020.

U.S. Appl. No. 29/726,050, Ex Parte Quayle Action, dated Jan. 7, 2022.

U.S. Appl. No. 29/726,050, Notice of Allowance, dated Mar. 23, 2022.

U.S. Appl. No. 29/757,411, Notice of Allowance, dated Sep. 16, 2022.

U.S. Appl. No. 29/757,416, Notice of Allowance, dated Sep. 16, 2022.

U.S. Appl. No. 29/757,416, Requirement for Restriction/Election, dated Jun. 22, 2022.

U.S. Appl. No. 29/773,601, Non-Final Office Action, dated Sep. 14, 2022.

U.S. Appl. No. 29/773,601, Requirement for Restriction/Election, dated Jun. 22, 2022.

U.S. Appl. No. 29/773,604, Non-Final Office Action, dated Sep. 27, 2022.

U.S. Appl. No. 29/773,604, Notice of Allowance, dated Feb. 6, 2023.

U.S. Appl. No. 29/773,604, Requirement for Restriction/Election, dated Jun. 22, 2022.

U.S. Appl. No. 29/776,495, Non-Final Office Action, dated Sep. 27, 2022.

U.S. Appl. No. 29/776,495, Notice of Allowance, dated Jan. 20, 2023.

U.S. Appl. No. 29/776,495, Requirement for Restriction/Election, dated Jun. 22, 2022.

U.S. Appl. No. 29/783,469, Requirement for Restriction/Election, dated Dec. 20, 2022.

* cited by examiner

Primary Examiner — Natasha Vujcic

Assistant Examiner — Gilbert B Ford

(74) *Attorney, Agent, or Firm* — MARSHALL, GERSTEIN & BORUN LLP; Michael P. Furmanek

(57)

CLAIM

We claim, the ornamental design for a handheld drug delivery device, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view showing a new design for a handheld drug delivery device;

FIG. 2 is a front view of the handheld drug delivery device of FIG. 1;

FIG. 3 is a rear view of the handheld drug delivery device of FIG. 1;

FIG. 4 is a right-side view of the handheld drug delivery device of FIG. 1;

FIG. 5 is a left-side view of the handheld drug delivery device of FIG. 1;

FIG. 6 is a top view of the handheld drug delivery device of FIG. 1;

FIG. 7 is a bottom view of the handheld drug delivery device of FIG. 1; and,

FIG. 8 is a perspective view of the handheld drug delivery device of FIG. 1 with its cap removed.

The broken lines show portions of the handheld drug delivery device that form no part of the claimed design.

1 Claim, 5 Drawing Sheets

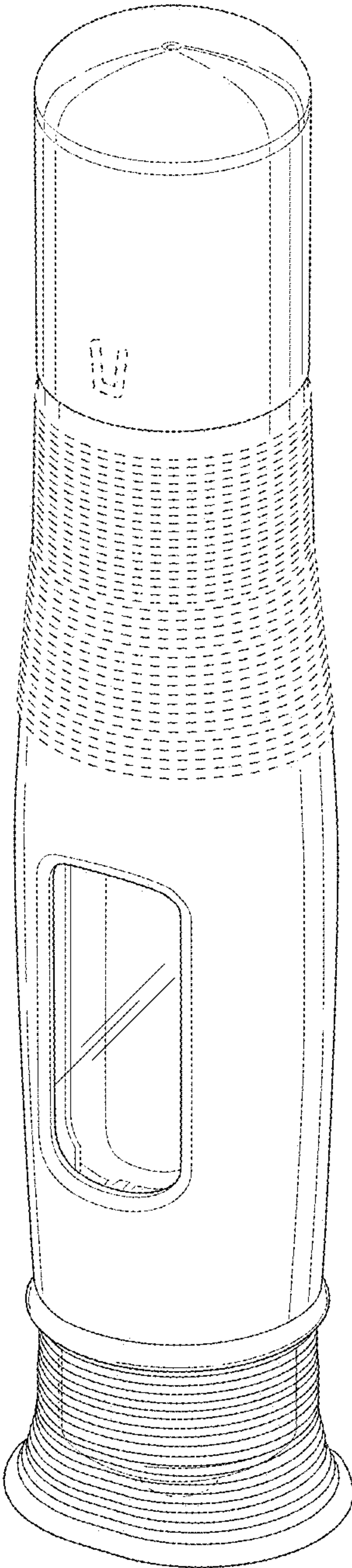


FIG. 1

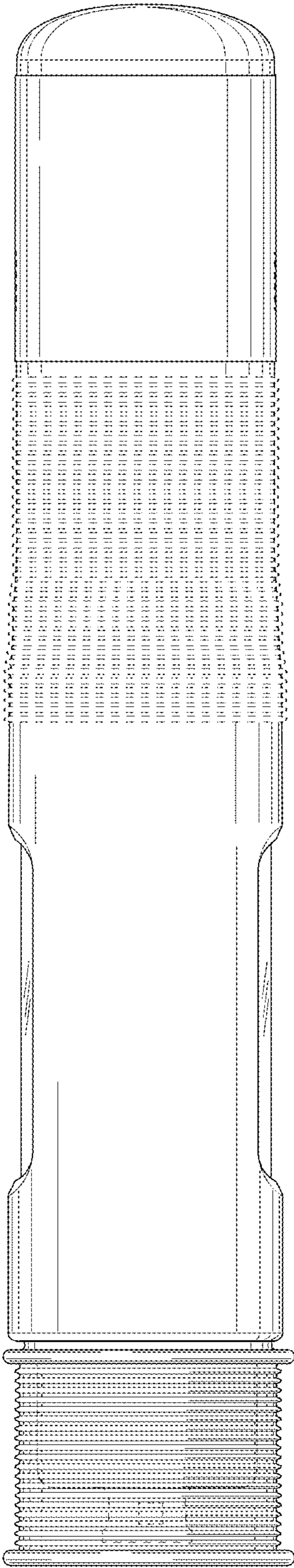


FIG. 2

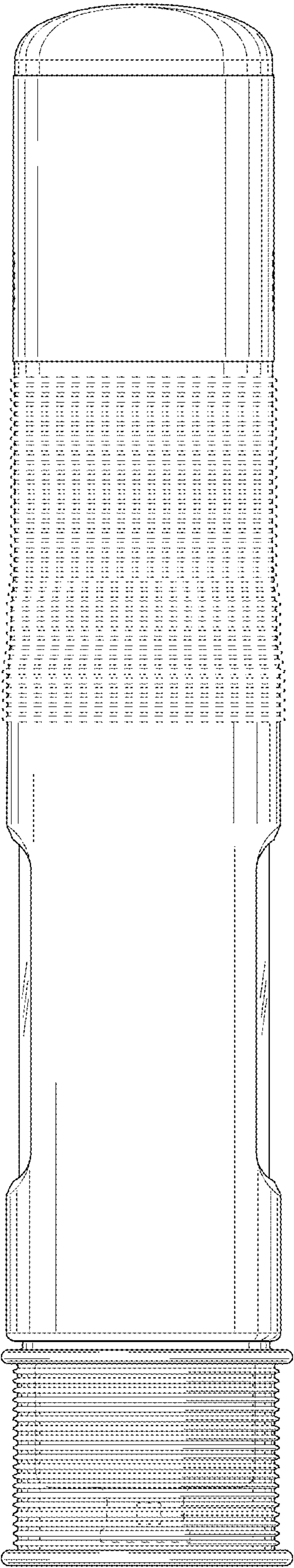


FIG. 3

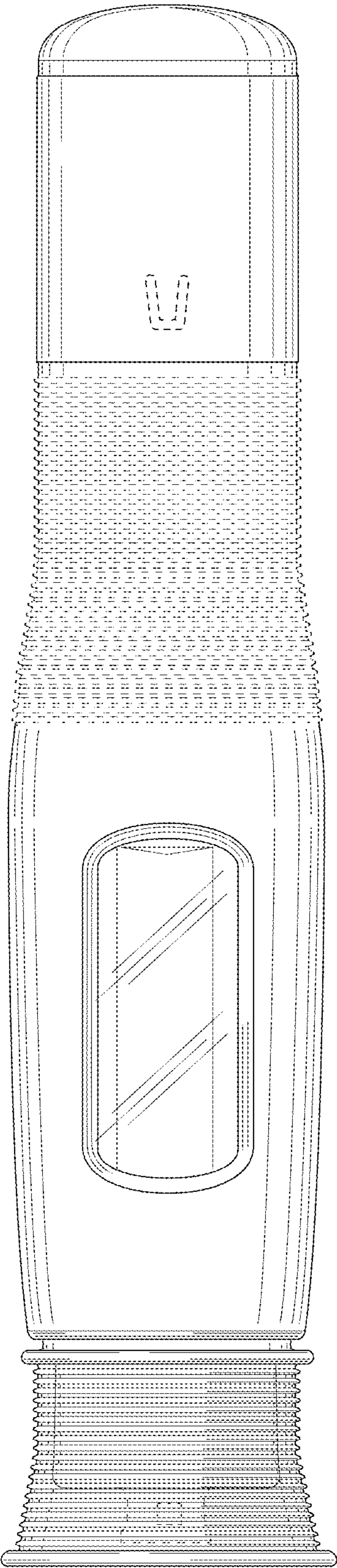


FIG. 4

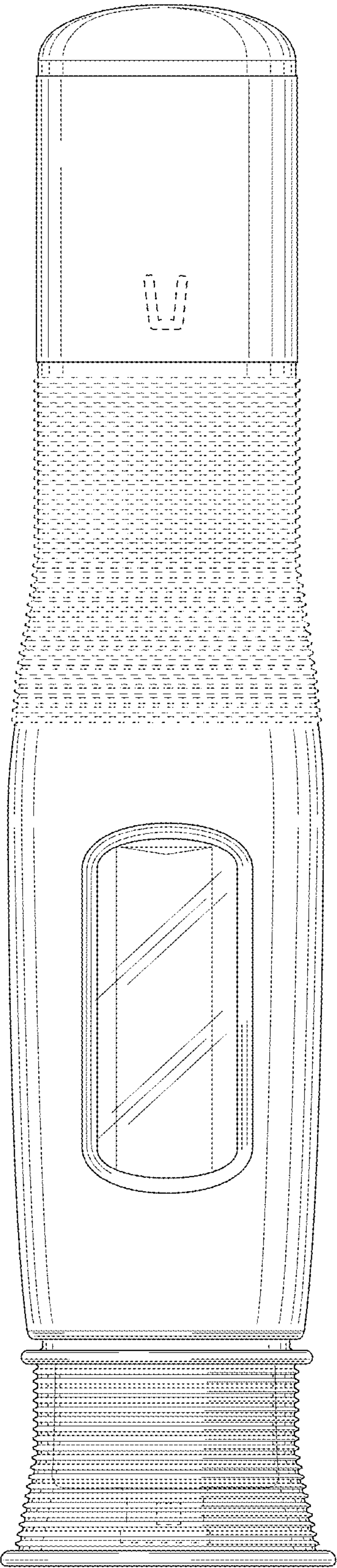


FIG. 5

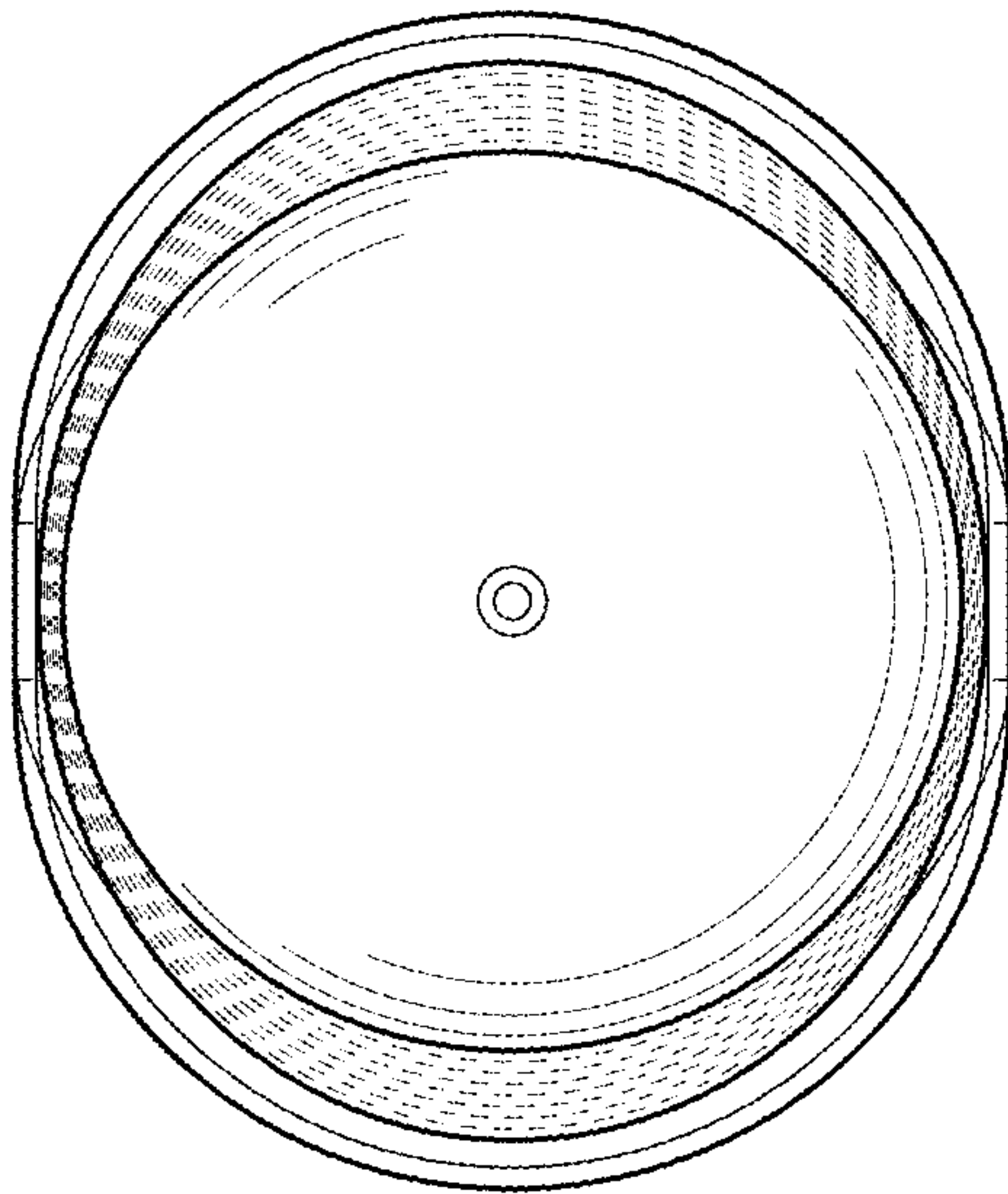


FIG. 6

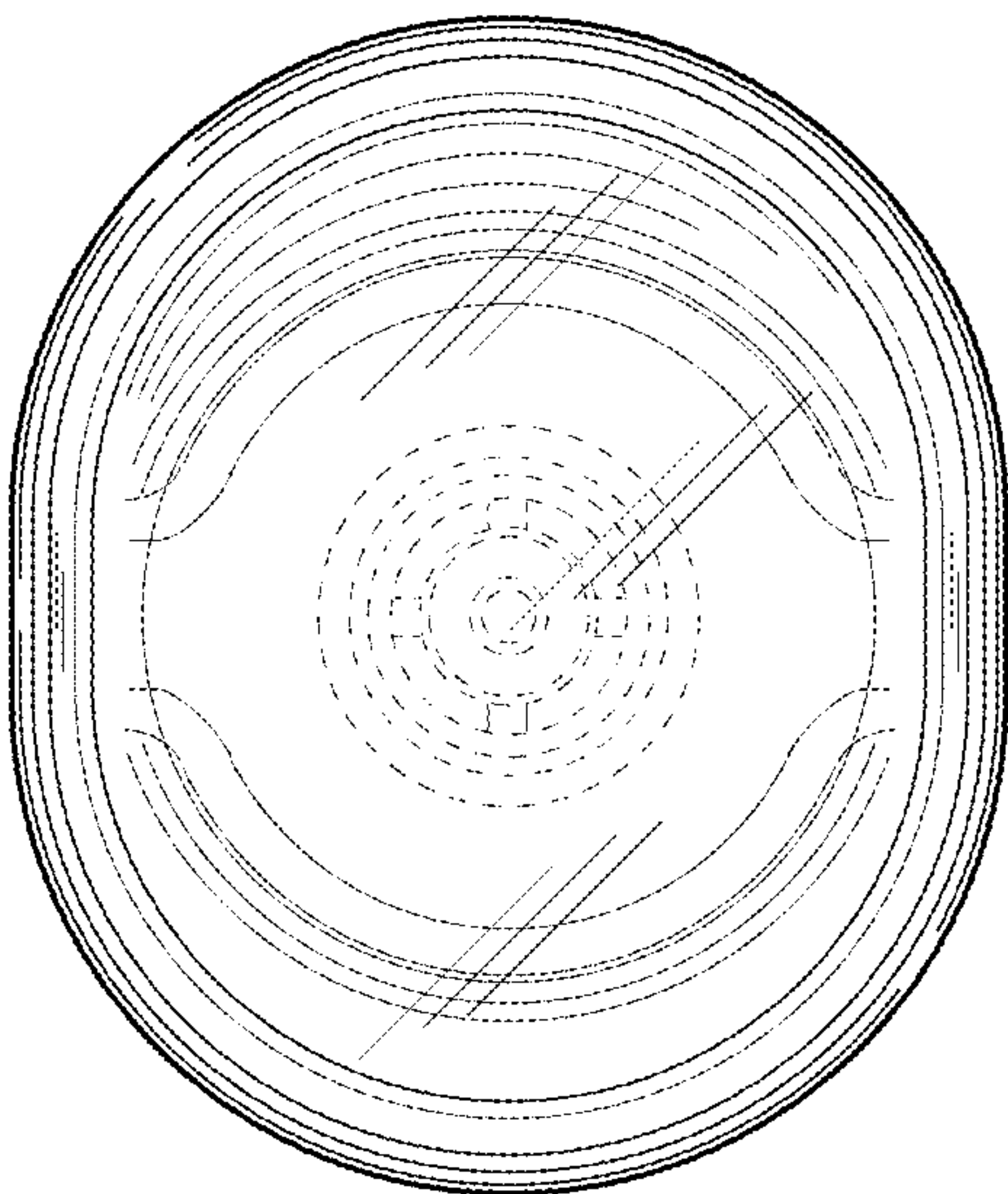


FIG. 7

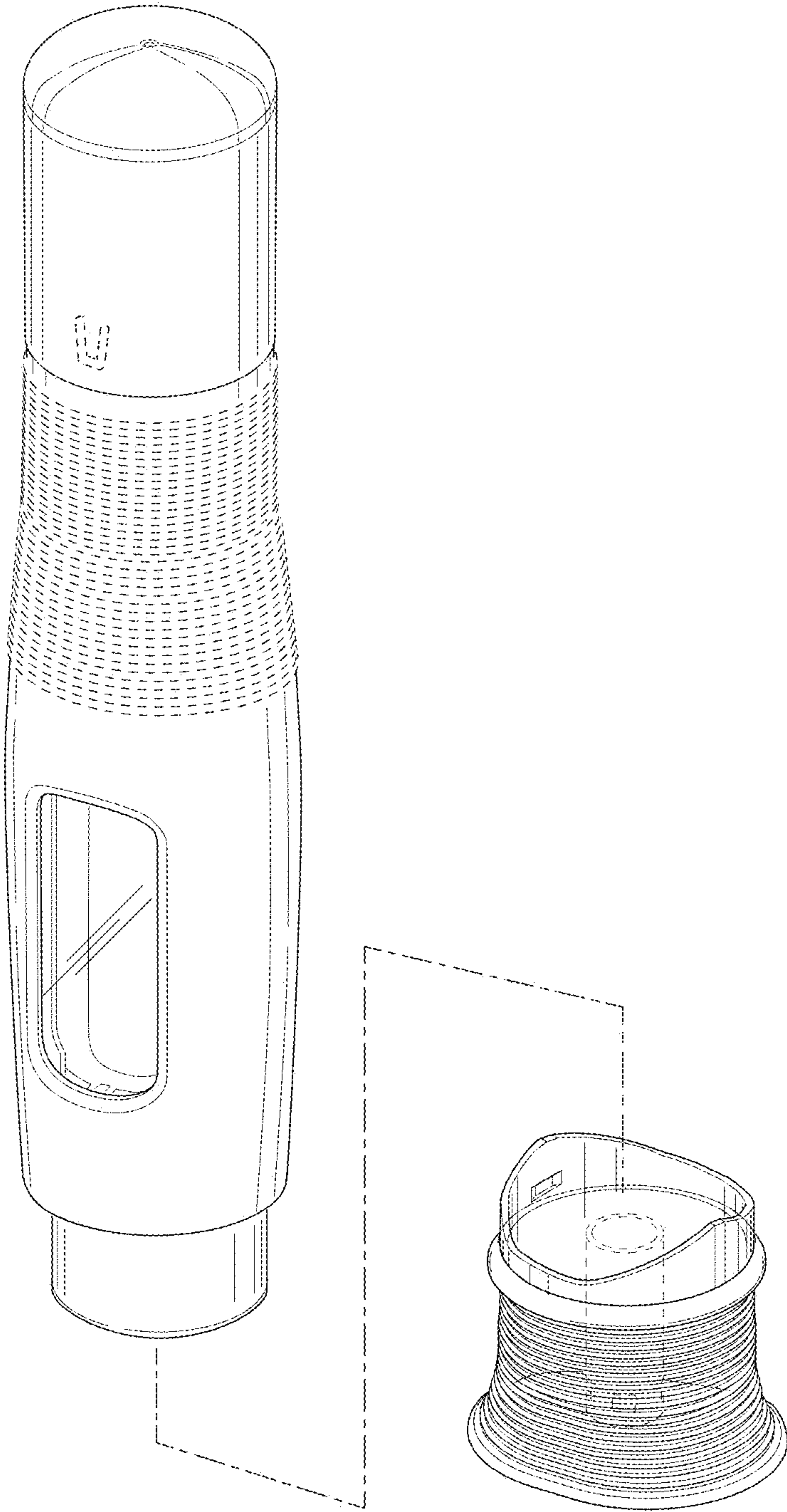


FIG. 8