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(12) **United States Design Patent** (10) **Patent No.:** **US D984,730 S**
Boham et al. (45) **Date of Patent:** **** Apr. 25, 2023**

(54) **AEROSOL GENERATOR**

FOREIGN PATENT DOCUMENTS

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AU 201710494 S 4/2017
CA 2420623 C 3/2005

(Continued)

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OTHER PUBLICATIONS

(73) Assignee: **Nicoventures Trading Limited**,
London (GB)

“Black Mamba Dry Herb Vaporizer by BLK”, Sep. 17, 2017,
[https://www.amazon.co.uk/Black-Mamba-Dry-Herb-Vaporizer/
product-reviews/B074WCDJ5W/ref=cm_cr_getr_d_paging_btm_
next_2?ie=UTF8&reviewerType=II_reviews&sortBy=
recent&pageNumber=2](https://www.amazon.co.uk/Black-Mamba-Dry-Herb-Vaporizer/product-reviews/B074WCDJ5W/ref=cm_cr_getr_d_paging_btm_next_2?ie=UTF8&reviewerType=II_reviews&sortBy=recent&pageNumber=2), 1 page.

(Continued)

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(51) **LOC (14) Cl.** **27-02**

(74) *Attorney, Agent, or Firm* — Pateson Thuente IP

(52) **U.S. Cl.**

USPC **D27/162**

(58) **Field of Classification Search**

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D27/174–176, 183, 185–194; D24/110,
D24/110.5; D13/103, 107–109;
D23/360, 363, 366; D9/549, 516, 529,
D9/544, 600; D7/619.1, 619.2, 602, 601

CPC A24F 40/42; A24F 40/40; A24F 40/44;
A24F 40/10; A24F 40/20; A24F 40/00;
A61M 15/00; A61M 15/06

See application file for complete search history.

(57) **CLAIM**

We claim the ornamental design for an aerosol generator, as shown and described.

DESCRIPTION

FIG. 1 is a top front perspective view of an aerosol generator.

FIG. 2 is a bottom rear perspective view of the aerosol generator depicted in FIG. 1.

FIG. 3 is a front view of the Aerosol generator depicted in FIG. 1.

FIG. 4 is a rear view of the aerosol generator depicted in FIG. 1.

FIG. 5 is a left side view of the aerosol generator depicted in FIG. 1.

FIG. 6 is a right side view of the aerosol generator depicted in FIG. 1; and,

FIG. 7 is a top view of the aerosol generator depicted in FIG. 1.

The broken lines in the drawings illustrate portions of the aerosol generator that form no part of the claimed design.

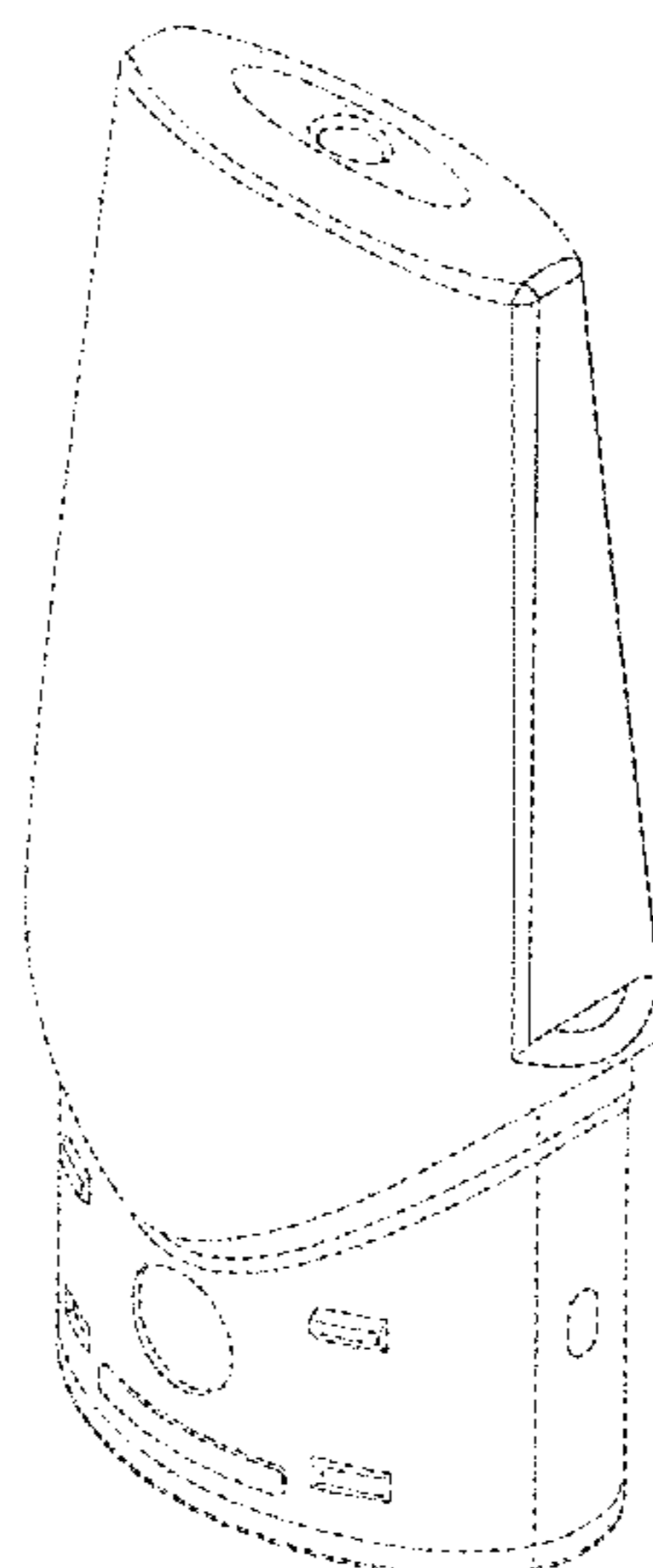
(56) **References Cited**

U.S. PATENT DOCUMENTS

D140,839 S 4/1945 Gretyl
D197,689 S 3/1964 Monte et al.
D201,420 S 6/1965 Bernard et al.
D237,017 S 9/1975 Henri
D299,066 S 12/1988 Newell et al.
D329,253 S 9/1992 Sekiguchi
D365,889 S 1/1996 Kim
D401,011 S 11/1998 Sloan, II
D418,253 S 12/1999 Bakic
D424,739 S 5/2000 Ross
D426,030 S 5/2000 Heeter et al.

(Continued)

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D470,529 S	2/2003	Tu	D799,748 S	10/2017	Freese
D485,639 S	1/2004	Stronski	D799,749 S	10/2017	Freese
D489,006 S *	4/2004	Guerrero Vallejo D9/571	D800,383 S	10/2017	Verleur et al.
D499,029 S	11/2004	Maarberg	D802,839 S	11/2017	Scott
D527,817 S	9/2006	Ziegler et al.	D804,091 S	11/2017	Fornarelli
D532,927 S	11/2006	Sann	D804,717 S	12/2017	Wang et al.
D579,498 S	10/2008	Bhavnani et al.	D805,246 S	12/2017	Fakhouri
D598,294 S *	8/2009	Van Diepen D9/542	D805,684 S	12/2017	Thuery
D602,089 S	10/2009	Keda	D806,310 S	12/2017	McGarry et al.
D641,409 S	7/2011	Wang et al.	D807,574 S	1/2018	Hawes et al.
D644,375 S	8/2011	Zhou	D808,071 S	1/2018	Folkerts et al.
D669,123 S	10/2012	Jiang	D813,447 S	3/2018	Watson
D673,325 S	12/2012	Martines	9,907,930 B2	3/2018	Trzecieski
D676,621 S	2/2013	Florkiewicz et al.	9,924,566 B2	3/2018	Duffield et al.
8,499,766 B1	8/2013	Newton	D815,341 S	4/2018	Qiu
D690,383 S	9/2013	Sheikh et al.	D815,619 S	4/2018	Moudgill et al.
D691,324 S	10/2013	Saliman	9,943,112 B2	4/2018	Liu
D695,450 S	12/2013	Benassayag et al.	D818,636 S	5/2018	Qiu
D696,455 S	12/2013	Abroff	D818,638 S	5/2018	Wright et al.
D697,616 S	1/2014	Berry et al.	D818,639 S	5/2018	Kayvon et al.
D707,484 S	6/2014	Fee	D819,263 S	5/2018	Zhu
D710,052 S	7/2014	Lanca	9,961,940 B2	5/2018	Anderson, Jr. et al.
D718,492 S	11/2014	Albanese	9,980,511 B2	5/2018	Liu
D720,095 S	12/2014	Alima	D820,514 S	6/2018	Durand
D720,496 S	12/2014	Alima	D820,515 S	6/2018	Nettenstrom et al.
D720,499 S	12/2014	Alima	D822,271 S	7/2018	Eksouzian
D720,882 S	1/2015	Albanese	D823,536 S	7/2018	Lai
D720,883 S	1/2015	Albanese	D824,096 S	7/2018	Qiu
D721,202 S	1/2015	Liu	D825,099 S	8/2018	Wright et al.
D723,216 S	2/2015	Chen	D825,102 S	8/2018	Bowen et al.
D725,310 S	3/2015	Eksouzian	D825,103 S	8/2018	Wright et al.
D736,994 S	8/2015	Mittersinker et al.	D825,834 S	8/2018	Chen
D737,419 S	8/2015	Emarlou	D827,195 S	8/2018	Chen
D742,065 S	10/2015	Leidel	D829,372 S	9/2018	Huang et al.
D743,622 S	11/2015	Alima	D829,373 S	9/2018	Huang et al.
D745,477 S	12/2015	Nitz	10,064,434 B2	9/2018	Zitzke et al.
D748,853 S	2/2016	Seibel et al.	D829,980 S	10/2018	Qiu
D750,834 S	3/2016	Wei	D830,625 S	10/2018	Stone
D750,835 S	3/2016	Wei	D832,499 S	10/2018	Qiu
D752,278 S	3/2016	Verleur et al.	D832,500 S	10/2018	Qiu
D752,807 S	3/2016	Young et al.	D834,246 S	11/2018	Qiu
D753,874 S	4/2016	Moreno Medina et al.	D835,337 S	12/2018	Beer et al.
D756,031 S	5/2016	Wu	D836,831 S	12/2018	Cividi
D757,352 S	5/2016	Bagai	10,159,285 B2	12/2018	Watson
D759,297 S	6/2016	Liu	D837,446 S	1/2019	Durand
D760,948 S	7/2016	Eksouzian	D838,899 S	1/2019	Qiu
D761,998 S	7/2016	Pinder	D838,900 S	1/2019	Freese
D763,501 S	8/2016	McGarry et al.	D842,536 S	3/2019	Bowen et al.
D763,502 S	8/2016	Verleur et al.	D844,223 S	3/2019	Bao
D764,701 S	8/2016	Malhi	D844,225 S	3/2019	Bao
D768,915 S	10/2016	Wright et al.	D844,235 S	3/2019	Cividi
D773,727 S	12/2016	Eksouzian	D844,236 S	3/2019	Tidnam et al.
D775,412 S	12/2016	Di Bari	D844,240 S	3/2019	Kauss
D776,337 S	1/2017	Levin et al.	D844,891 S	4/2019	Stoll
D776,869 S	1/2017	Heidl	D846,796 S	4/2019	Pan
D778,493 S	2/2017	Scott	10,299,517 B2	5/2019	Hawes et al.
D779,719 S	2/2017	Qiu	D850,712 S	6/2019	Fornarelli
D780,991 S	3/2017	Liu	D851,827 S	6/2019	Clark
D782,728 S	3/2017	Pinder	D853,633 S	7/2019	Zeng
D782,729 S	3/2017	Wright et al.	D855,251 S	7/2019	Qiu et al.
D785,862 S	5/2017	Wu	D855,875 S	8/2019	Yan
D786,497 S	5/2017	Sudlow et al.	D855,876 S	8/2019	Martin
D787,114 S	5/2017	Scott	D855,877 S	8/2019	Folkerts et al.
D790,123 S	6/2017	Beer et al.	D855,878 S	8/2019	Qiu et al.
D790,124 S	6/2017	Beer et al.	D855,882 S	8/2019	Flood et al.
D790,125 S	6/2017	Beer et al.	D858,872 S	9/2019	White et al.
D792,021 S	7/2017	Beer et al.	D859,735 S	9/2019	Qiu et al.
D792,643 S	7/2017	Wong et al.	D860,520 S	9/2019	Cividi
D795,496 S	8/2017	Beer et al.	D861,240 S	9/2019	Qiu et al.
D798,500 S	9/2017	Joyce, III et al.	D861,974 S	10/2019	Zhao
9,763,477 B2	9/2017	Zhu	D863,665 S	10/2019	Huang et al.
D799,110 S	10/2017	Qiu	D863,670 S	10/2019	He et al.
D799,112 S	10/2017	Qiu	D863,675 S	10/2019	Huang et al.
D799,113 S	10/2017	Qiu	D864,474 S	10/2019	Smith
D799,745 S	10/2017	Qiu	D866,064 S *	11/2019	Powell D27/170
			D866,852 S	11/2019	Cividi
			D868,360 S	11/2019	Stone
			D868,361 S	11/2019	Stone
			D869,085 S	12/2019	Campbell et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

D870,369 S 12/2019 Greenbaum et al.
 D870,370 S 12/2019 Greenbaum et al.
 D870,372 S 12/2019 Zhu
 D872,355 S 1/2020 Powell et al.
 D872,932 S 1/2020 Powell et al.
 D872,934 S 1/2020 Powell et al.
 D875,302 S 2/2020 Pan
 D875,303 S * 2/2020 Pan D27/162
 D877,976 S 3/2020 Ding et al.
 D877,977 S 3/2020 Ding et al.
 D883,569 S 5/2020 Powell et al.
 D885,652 S 5/2020 Ding et al.
 D885,657 S 5/2020 Lai
 D887,630 S 6/2020 Lai
 D887,631 S 6/2020 Lai
 D889,736 S 7/2020 Han
 D890,417 S 7/2020 Austin et al.
 D892,397 S 8/2020 Li et al.
 D893,094 S 8/2020 Wang
 D893,671 S 8/2020 Kuo
 D895,199 S * 9/2020 Li D27/162
 D900,385 S 10/2020 Wang
 D900,386 S * 10/2020 Wang D27/162
 D901,067 S 11/2020 Powell et al.
 D901,761 S 11/2020 Zhu
 D902,480 S 11/2020 Chen et al.
 D903,191 S 11/2020 Li
 D904,680 S 12/2020 Pan
 D907,290 S 1/2021 Pan
 D907,844 S * 1/2021 Pan D27/162
 D908,279 S * 1/2021 Li D27/162
 D910,910 S 2/2021 Yang
 D911,600 S * 2/2021 Chen D27/162
 D912,311 S 3/2021 Bennett et al.
 D914,274 S * 3/2021 Vora D27/162
 D914,276 S * 3/2021 Lai D27/162
 D914,277 S * 3/2021 Han D27/162
 D918,467 S * 5/2021 Wang D27/162
 D919,172 S 5/2021 Zu
 D919,879 S 5/2021 Han
 D923,240 S 6/2021 Wang
 D927,059 S * 8/2021 Lai D27/162
 D927,772 S * 8/2021 Han D27/162
 D929,651 S 8/2021 Powell et al.
 D932,094 S * 9/2021 Laidlaw D27/162
 D932,098 S 9/2021 Liu
 D934,491 S * 10/2021 Han D27/162
 D936,896 S 11/2021 Farrow
 D937,477 S * 11/2021 Li D27/162
 D940,951 S * 1/2022 Ding D27/162
 D943,168 S 2/2022 Lin
 D945,057 S * 3/2022 Powell D27/162
 D950,142 S 4/2022 Powell et al.
 D950,840 S * 5/2022 Michaud D27/162
 D954,341 S * 6/2022 Steinbauer D27/167
 D957,042 S 7/2022 Powell et al.
 D957,726 S * 7/2022 Liu D27/162
 D959,733 S 8/2022 Powell et al.
 D960,828 S * 8/2022 Mahdavi D27/162
 2010/0200008 A1 8/2010 Taieb
 2013/0042865 A1 2/2013 Monsees et al.
 2013/0152954 A1 6/2013 Youn
 2013/0199528 A1 8/2013 Goodman et al.
 2014/0026903 A1 1/2014 Haider
 2014/0158129 A1 6/2014 Pratt, Jr. et al.
 2014/0283858 A1 9/2014 Liu
 2015/0034104 A1 2/2015 Zhou
 2015/0059786 A1 3/2015 Li et al.
 2015/0101623 A1 4/2015 Liu
 2015/0114406 A1 4/2015 Newton
 2015/0128971 A1 5/2015 Verleur et al.
 2015/0150307 A1 6/2015 Liu
 2015/0164141 A1 6/2015 Newton
 2015/0181930 A1 7/2015 Liu
 2015/0181940 A1 7/2015 Liu

2015/0196055 A1 7/2015 Liu
 2015/0208728 A1 7/2015 Lord
 2015/0333542 A1 11/2015 Alarcon et al.
 2015/0335075 A1 11/2015 Minskoff et al.
 2015/0342255 A1 12/2015 Wu
 2016/0050976 A1 2/2016 Righetti
 2016/0113325 A1 4/2016 Liu
 2016/0150823 A1 6/2016 Liu
 2016/0204637 A1 7/2016 Alarcon et al.
 2016/0213065 A1 7/2016 Wensley et al.
 2016/0270441 A1 9/2016 Lewis et al.
 2016/0270446 A1 9/2016 Shenkal et al.
 2016/0278163 A1 9/2016 Chen
 2016/0278436 A1 9/2016 Verleur et al.
 2016/0286864 A1 10/2016 Lin
 2016/0366941 A1 12/2016 Lin
 2017/0035117 A1 2/2017 Lin
 2017/0055574 A1 3/2017 Kaufman et al.
 2017/0055575 A1 3/2017 Wilke et al.
 2017/0055580 A1 3/2017 Blandino et al.
 2017/0055581 A1 3/2017 Wilke et al.
 2017/0055582 A1 3/2017 Blandino et al.
 2017/0055583 A1 3/2017 Blandino et al.
 2017/0055584 A1 3/2017 Blandino et al.
 2017/0056912 A1 3/2017 Choi et al.
 2017/0095623 A1 4/2017 Trzeciecki
 2017/0119046 A1 5/2017 Kaufman et al.
 2017/0119047 A1 5/2017 Blandino et al.
 2017/0119048 A1 5/2017 Kaufman et al.
 2017/0119049 A1 5/2017 Blandino et al.
 2017/0119050 A1 5/2017 Blandino et al.
 2017/0119051 A1 5/2017 Blandino et al.
 2017/0135403 A1 5/2017 Liu
 2017/0215474 A1 8/2017 Li
 2017/0215478 A1 8/2017 Harrison et al.
 2017/0224021 A1 8/2017 Xiang
 2017/0273359 A1 9/2017 Liu
 2017/0359858 A1 12/2017 Liu
 2018/0002803 A1 1/2018 Niboshi et al.
 2018/0027877 A1 2/2018 Tucker et al.
 2018/0043114 A1 2/2018 Bowen et al.
 2018/0098568 A1 4/2018 Qiu
 2018/0098571 A1 4/2018 Watson
 2018/0132527 A1 5/2018 Bell
 2018/0153221 A1 6/2018 Verleur et al.
 2018/0184715 A1 7/2018 Liu
 2018/0279682 A1 10/2018 Guo et al.
 2018/0289058 A1 10/2018 Chen
 2018/0310618 A1 11/2018 Watson
 2019/0029319 A1 1/2019 Moorman
 2019/0029326 A1 1/2019 Qiu
 2019/0037926 A1 2/2019 Qiu
 2019/0053542 A1 2/2019 Chen
 2019/0083720 A1 3/2019 Leadley et al.
 2019/0124990 A1 5/2019 Qiu
 2019/0191780 A1 6/2019 Wilke et al.
 2019/0239555 A1 8/2019 Nicholson

FOREIGN PATENT DOCUMENTS

CA 2649802 A1 5/2008
 CA 2947261 A1 11/2015
 CA 2965051 A1 5/2016
 CA 3028019 A1 1/2018
 CA 3028023 A1 1/2018
 CN 203162984 U 8/2013
 CN 302876551 S 7/2014
 CN 303115457 S 2/2015
 CN 104432543 A 3/2015
 EM 0012790200001 7/2011
 EM 0013076310024 1/2012
 EM 0013165330003 6/2012
 EM 0033460220012 8/2016
 EP 2157873 B1 7/2011
 EP 2493341 B1 7/2013
 EP 2725681 A2 4/2014
 EP 2756893 A1 7/2014
 EP 2234728 B1 10/2014
 EP 2399637 B1 10/2014

(56)

References Cited

FOREIGN PATENT DOCUMENTS

EP	2978481	B1	12/2016
EP	2654469	B1	3/2017
EP	3141135	A1	3/2017
EP	3207811	A1	8/2017
EP	3210480	A1	8/2017
EP	3210481	A1	8/2017
EP	2797446	B1	10/2017
EP	3217816	B1	10/2018
EP	3387928	A1	10/2018
EP	1465694	B1	11/2018
EP	3316714	B1	11/2018
EP	3406285	A1	11/2018
EP	2835063	B1	4/2019
EP	3253237	B1	4/2019
EP	3282871	B1	6/2019
EP	3506721	A1	7/2019
JP	4322936	B2	9/2009
JP	1519006	S	3/2015
JP	1519007	S	3/2015
JP	1561415	S	10/2016
JP	1563215	S	11/2016
JP	1563216	S	11/2016
JP	1605700	S	6/2018
JP	1605701	S	6/2018
JP	2018174931	A	11/2018
JP	6522220	B1	5/2019
KR	100449444	B1	8/2005
KR	20120034933	A	4/2012
KR	300681840		2/2013
KR	3006818401		5/2013
KR	3006818402		5/2013
KR	3007215630000		12/2013
RU	96946	U1	8/2010
WO	WO-2006028843	A2	3/2006
WO	WO-2010145805	A1	12/2010
WO	WO-DM081209		7/2013
WO	WO-2013113612	A1	8/2013
WO	WO-2014066730	A1	5/2014
WO	WO-2014134813	A1	9/2014
WO	WO-2014134816	A1	9/2014
WO	WO-2014163664	A1	10/2014
WO	WO-2014183073	A1	11/2014
WO	WO-2015069914	A1	5/2015
WO	WO-2016000208	A1	1/2016
WO	WO-2016029225	A1	2/2016
WO	WO-2016082183	A1	6/2016
WO	WO-2016106493	A1	7/2016
WO	WO-2016115689	A1	7/2016
WO	WO-2016124741	A1	8/2016

WO	WO-2016145634	A1	9/2016
WO	WO-2016210242	A1	12/2016
WO	WO-2017025500	A1	2/2017
WO	WO-2017108429	A1	6/2017
WO	WO-2017147560	A1	8/2017
WO	WO-2017186023	A1	11/2017
WO	WO-2017214788	A1	12/2017
WO	WO-2018023188	A1	2/2018
WO	WO-2018083037	A1	5/2018
WO	WO-2018134159	A1	7/2018
WO	WO-2018138072	A1	8/2018
WO	WO-2018166925	A1	9/2018
WO	WO-2018178095	A1	10/2018
WO	WO-2018178113	A2	10/2018
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WO	WO-2018178216	A1	10/2018
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WO	WO-2018192722	A1	10/2018
WO	WO-2018220558	A1	12/2018
WO	WO-2018223560	A1	12/2018
WO	WO-2018228131	A1	12/2018
WO	WO-2019053268	A1	3/2019
WO	WO-2019104441	A1	6/2019
WO	WO-2019110730	A1	6/2019
WO	WO-2019148328	A1	8/2019
WO	WO-2019162370	A1	8/2019

OTHER PUBLICATIONS

Decision to Grant in Russian Application No. 201850023949, dated Jul. 6, 2018, 4 pages.
 Decision to Grant in Russian Application No. 201850024049, dated Jul. 6, 2018, 4 pages.
 Notice of Allowance dated Apr. 3, 2018 for Japanese Application No. 2018-000975, 4 pages.
 Notice of Allowance dated Apr. 3, 2018 for Japanese Application No. 2018-000974, 4 pages.
 Office Action dated Jul. 2, 2020 for Japanese Application No. 2020-001929, 2 pages.
 Office Action dated Jul. 2, 2020 for Japanese Application No. 2020-001935, 2 pages.
 "Relx Electronic Cigarette Vape Pen E-Cigarettes" by: RELX Feb. 17, 2020, <https://shopee.ph/Relx-Starter-Kit-NAVY-BLU%20E-Relx-Electric-Cigarette-Vape-i.137695431.2210852308>, Dec. 20, 2020, 2 pages.
 Application and File History for U.S. Appl. No. 29/798,480, filed Jul. 8, 2021. Inventors: Scott George Boham et al.

* cited by examiner

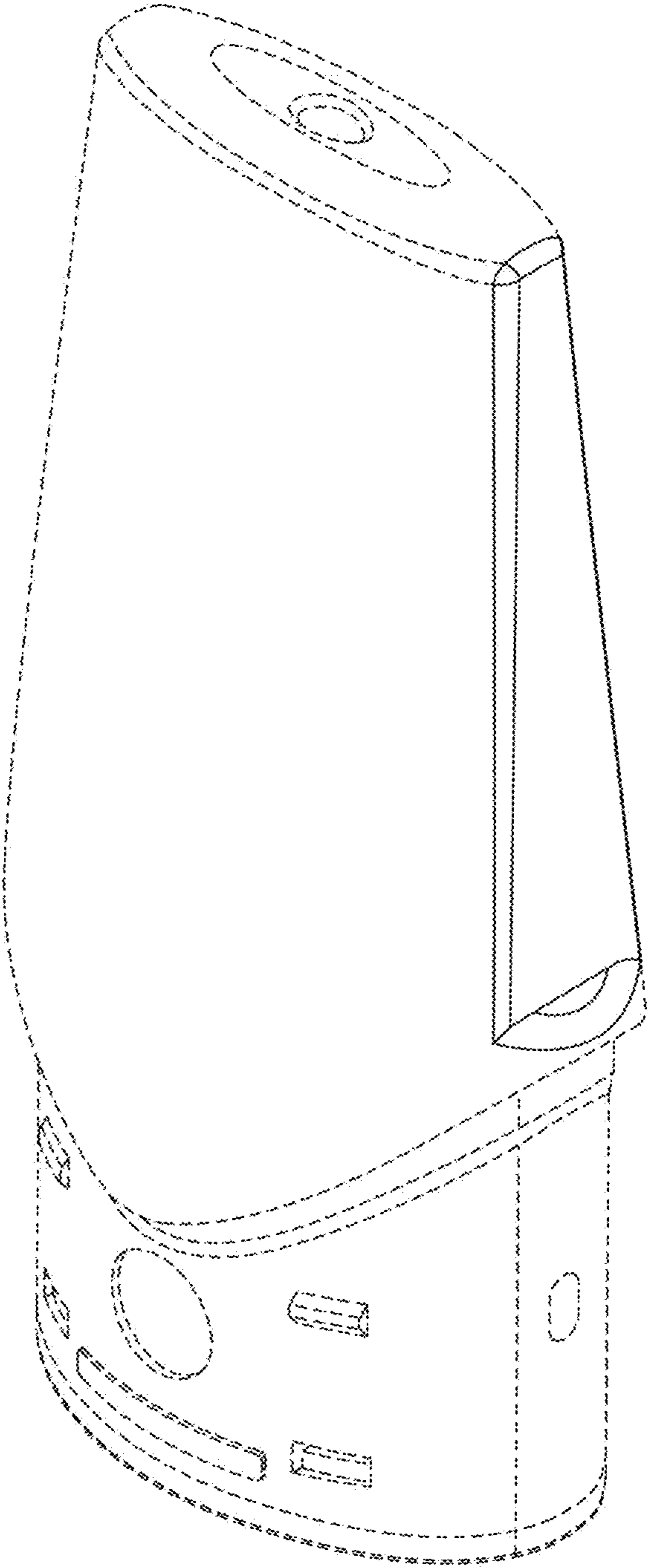


FIG. 1

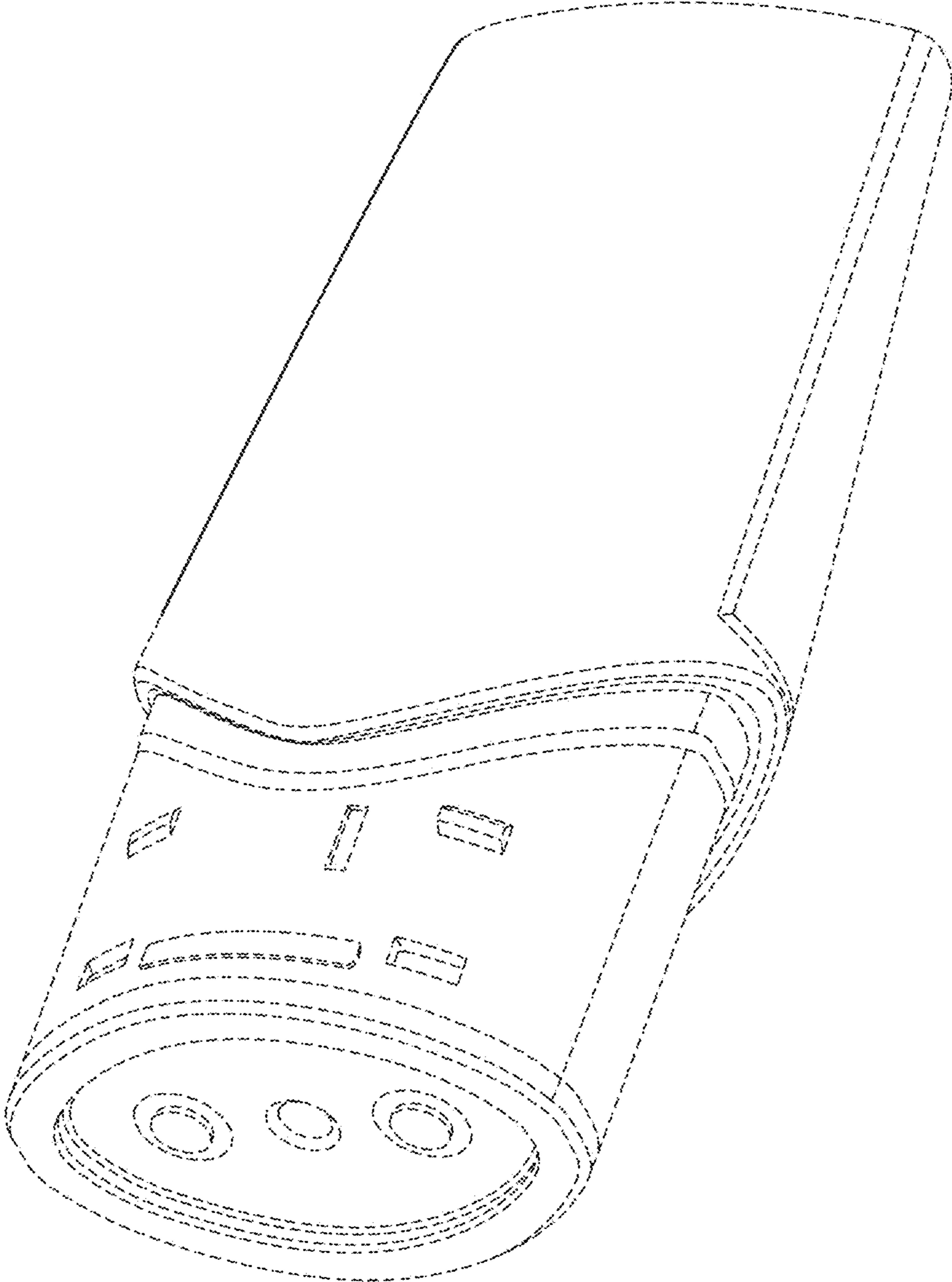


FIG. 2

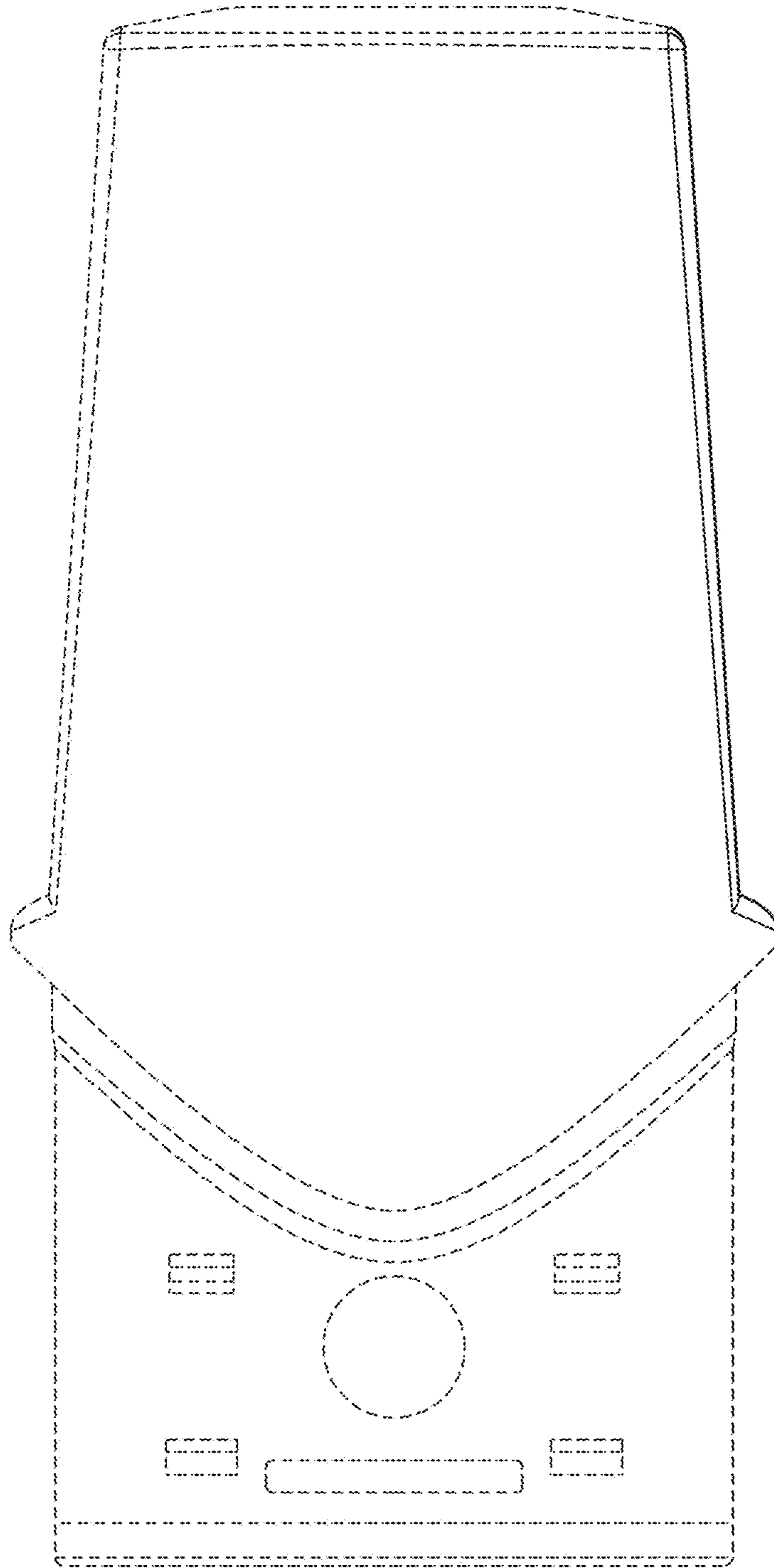


FIG. 3

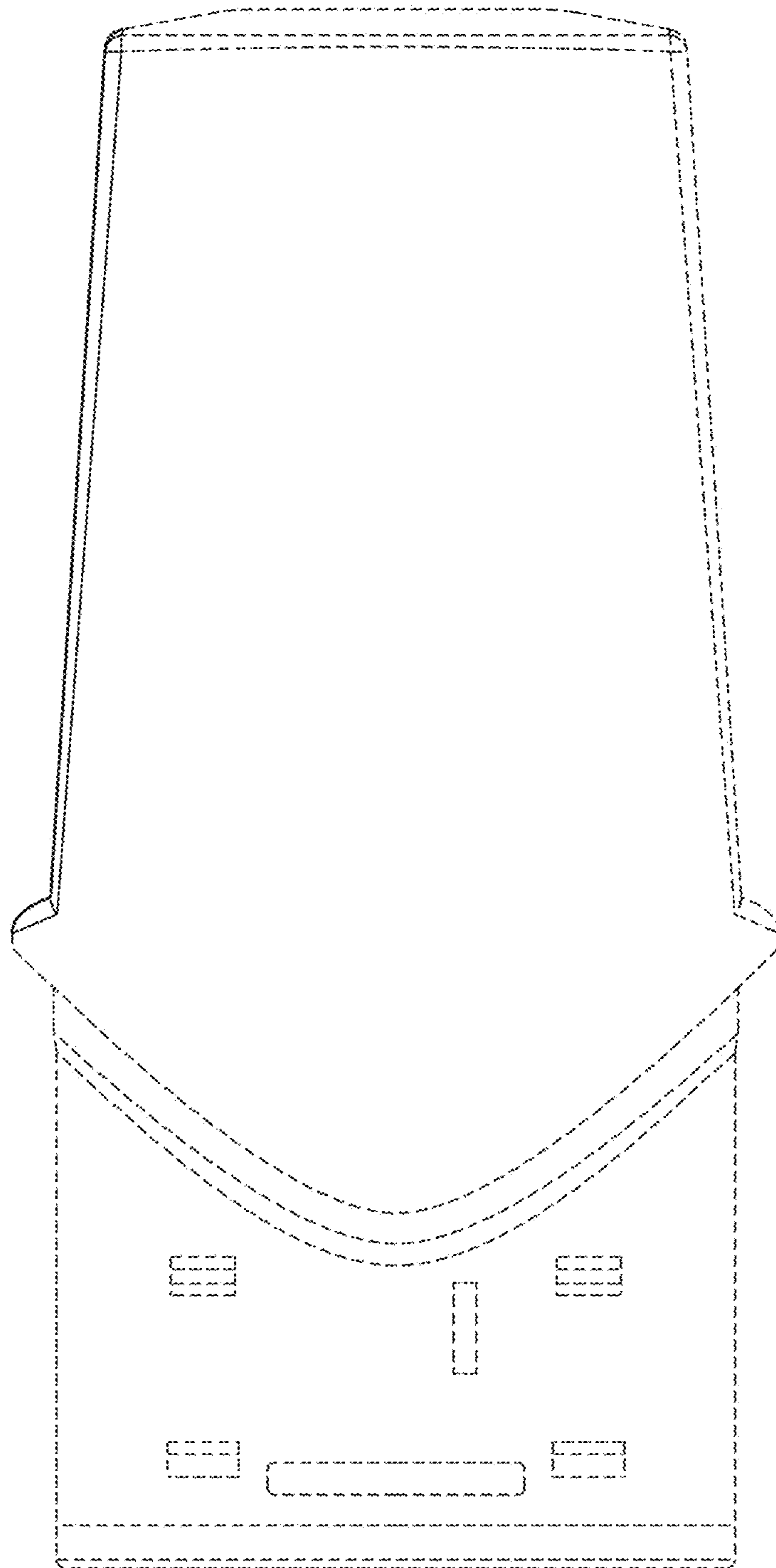


FIG. 4

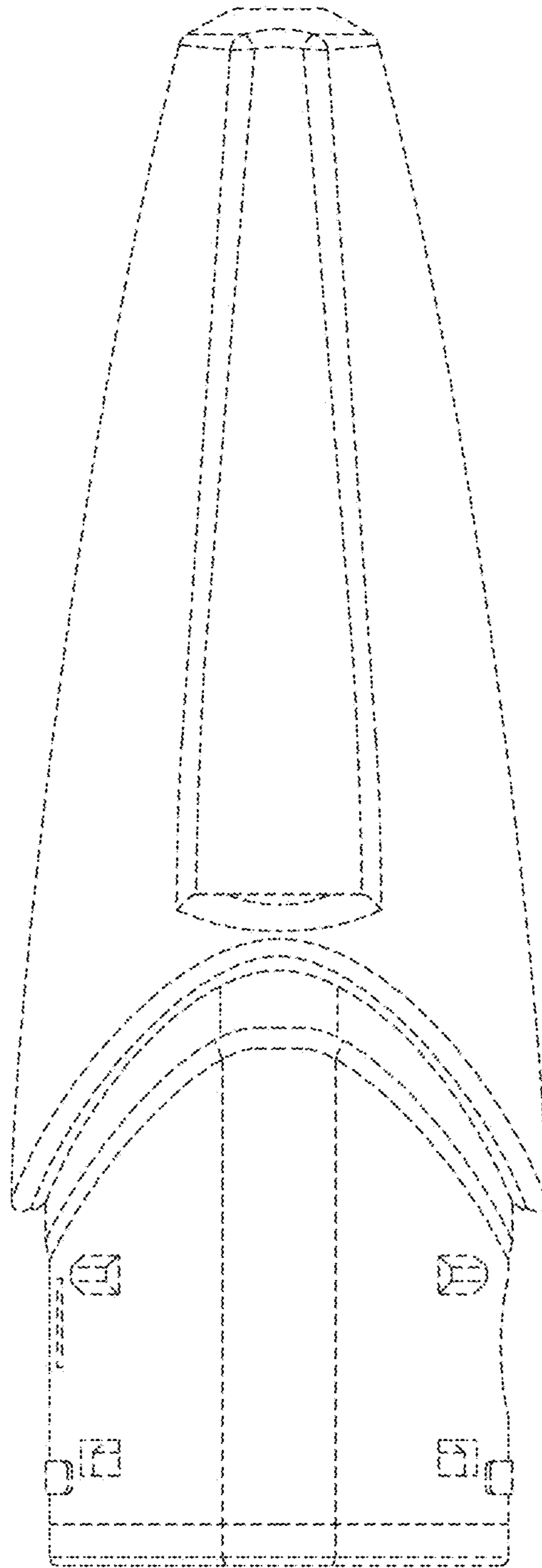


FIG. 5

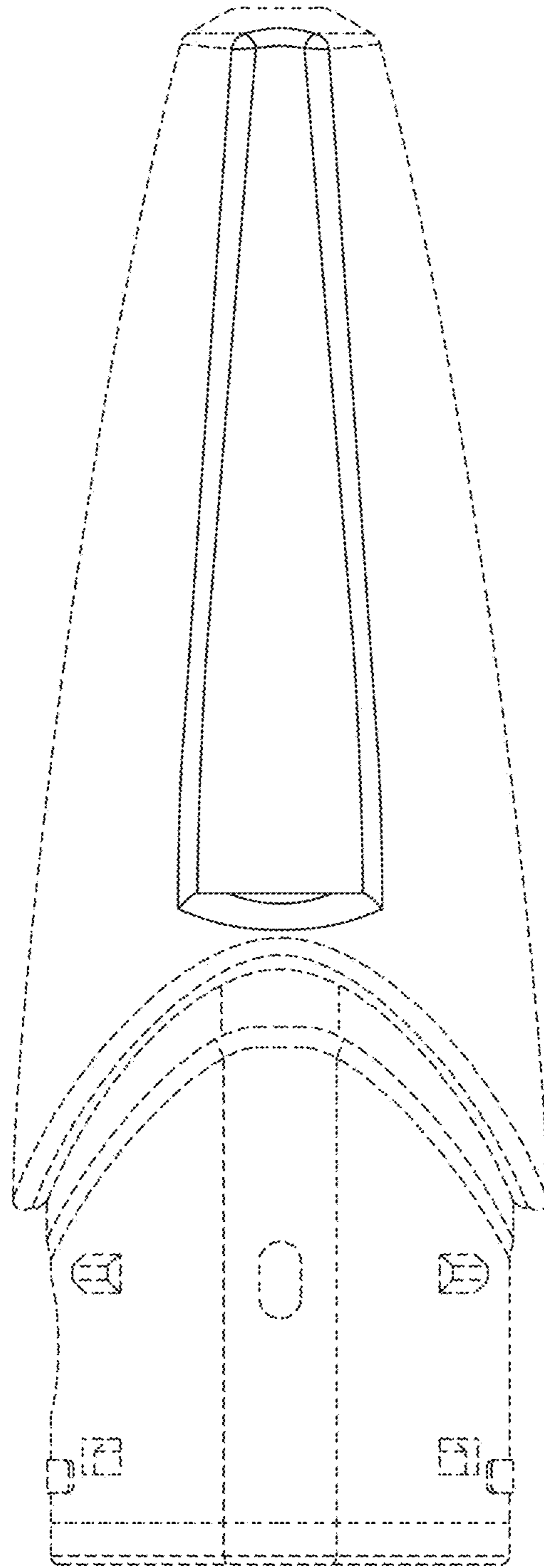


FIG. 6

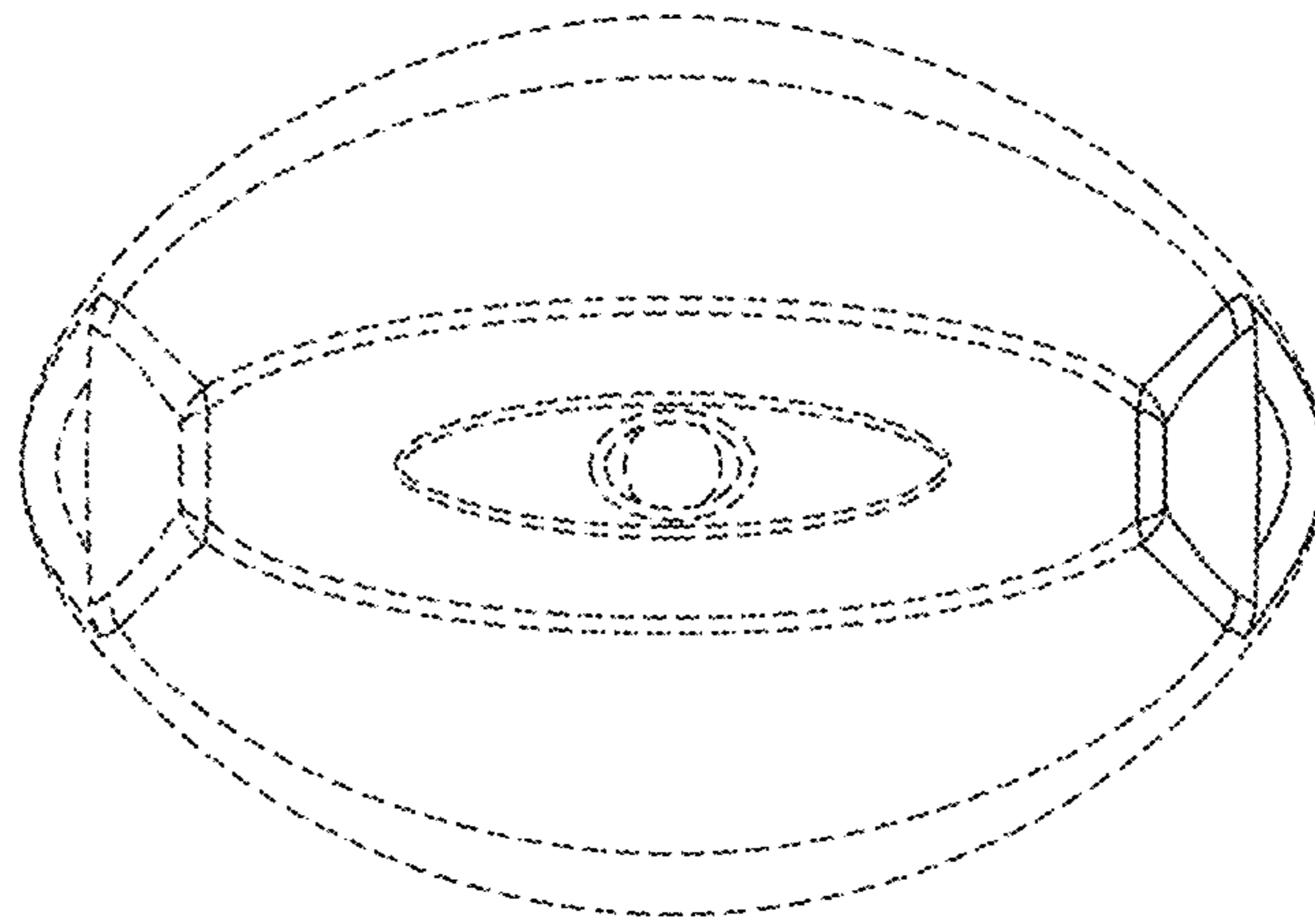


FIG. 7