

US00D754131S

(12) **United States Design Patent**
Shim

(10) **Patent No.:** **US D754,131 S**
(45) **Date of Patent:** **** Apr. 19, 2016**

- (54) **PORTABLE SOLID STATE DISK**
- (71) Applicant: **SAMSUNG ELECTRONICS CO., LTD.**, Suwon-si (KR)
- (72) Inventor: **Hyung-Sup Shim**, Seoul (KR)
- (73) Assignee: **SAMSUNG ELECTRONICS CO., LTD.**, Suwon-si (KR)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/513,369**
- (22) Filed: **Dec. 30, 2014**
- (30) **Foreign Application Priority Data**
 - Sep. 1, 2014 (KR) 30-2014-0042649
- (51) **LOC (10) Cl.** **14-02**
- (52) **U.S. Cl.**
USPC **D14/436**; D14/435
- (58) **Field of Classification Search**
USPC D14/435-438, 478-480; 235/441, 443, 235/487, 492, 493, 495; 361/737, 679, 752, 361/736, 728, 796, 797, 729, 730, 361/725-727; 257/678, 679, 693, E23.064; 439/946, 948, 159; 174/250, 260, 52.1, 174/52.2; 710/300-303; 438/121
CPC G06K 19/06196; G06K 19/072; G06K 19/0721; G06K 19/0722; G06K 19/0723; G06K 19/0724; G06K 19/0725; G06K 19/0726; G06K 19/0727; G06K 19/0728; G06K 19/073; G06K 19/07309; G06K 19/077; G06K 19/07701; G06K 19/07715; G06K 19/0772; G06K 19/07722; G06K 19/07724; G06K 19/07726; G06K 19/07728; G06F 21/77-21/80; G06F 21/85-21/88; G06F 21/00; G06Q 20/3229; G06Q 20/34; G06Q 20/341; G06Q 20/346; G06Q 20/349; G06Q 20/3563; G06Q 20/3567; G06Q 20/357; G06Q 20/3576; H05K 5/026; H05K 5/0256; H05K 5/0265; H05K 5/0269; H05K 5/0273; H05K 5/0278; H05K 5/0282; H05K 5/0286; H05K 5/0291; H05K 5/0295; H05K 5/03; H05K 5/04; H05K 5/06; H05K 5/061; H05K 5/062; H05K 5/063; H05K 5/064; H05K 5/065; H05K 5/066; H05K 5/067; H05K 5/068; H05K 5/069;

H05K 7/00; H05K 7/005; H05K 7/02; H05K 7/023; H05K 7/026; H05K 7/04; H05K 7/10; H05K 7/1418; H05K 7/142; H05K 7/1424; H05K 7/1427-7/1439; H05K 7/1461; H05K 7/1464-7/1474; H05K 7/1479; H05K 7/1481; H05K 7/1485-7/1488; H05K 2201/09745; H05K 2201/09754; H05K 2201/09763; H05K 2201/09772; H05K 2201/098; H05K 2201/09818; H05K 2201/10; H05K 2201/10007; H04N 2201/216

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,374,949 A * 4/1921 Osgood A45C 11/38 206/316.2
- 1,947,352 A * 2/1934 Macklanburg E06B 7/232 49/475.1
- D141,980 S * 8/1945 Holland et al. D3/274
- 2,519,977 A * 8/1950 Poschen E06B 7/232 49/444

(Continued)

Primary Examiner — Susan Moon Lee

(74) *Attorney, Agent, or Firm* — Sughrue Mion, PLLC

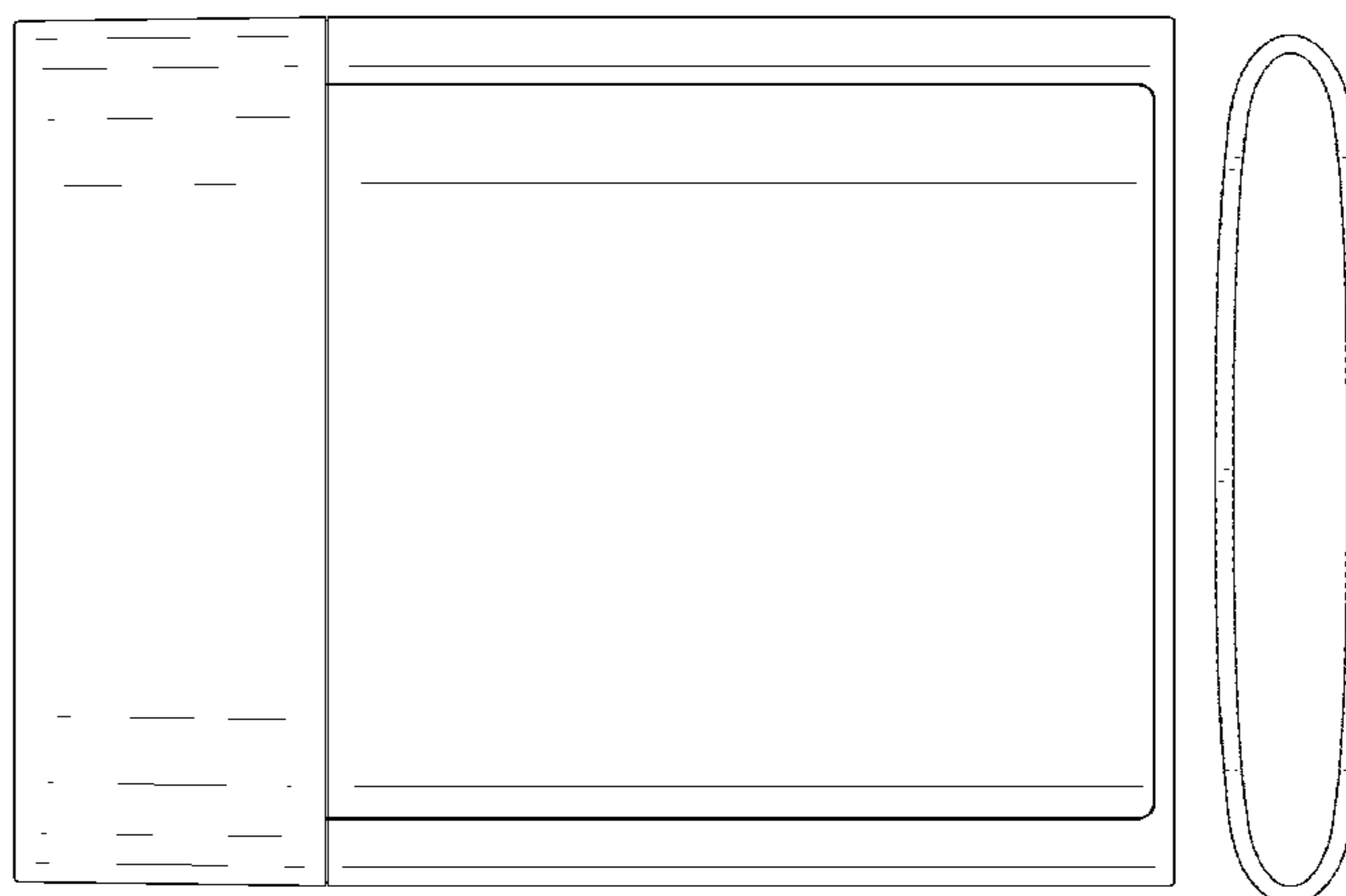
(57) **CLAIM**

I claim the ornamental design for a portable solid state disk, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a portable solid state disk showing my new design;
 FIG. 2 is a front view thereof;
 FIG. 3 is a rear view thereof;
 FIG. 4 is a left-side view thereof;
 FIG. 5 is a right-side view thereof;
 FIG. 6 is a top plan view thereof; and,
 FIG. 7 is a bottom plan view thereof.
 The broken lines in the figures show portions of the memory card which form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D596,634 S *	7/2009	Wong	D14/358
D597,090 S *	7/2009	Bemelmans	D14/341
D601,494 S *	10/2009	Otani	D13/103
D603,409 S *	11/2009	Ishida	D14/435
D606,543 S *	12/2009	Wong	D14/358
D611,470 S *	3/2010	Andre	D14/341
D612,329 S *	3/2010	Guccione	D13/108
D616,899 S *	6/2010	Andre	D14/496
D617,323 S *	6/2010	Willenz	D14/356
D624,076 S *	9/2010	Huh	D14/366
D626,126 S *	10/2010	Park	D14/365
D626,552 S *	11/2010	Andre	D14/341
D627,367 S *	11/2010	Andre	D14/496
D631,458 S *	1/2011	Liao	D14/138 G
D631,838 S *	2/2011	Cheng	D13/108
D634,326 S *	3/2011	Gehrke	D14/435.1
D638,385 S *	5/2011	Wong	D14/125
D641,362 S *	7/2011	Dublin	D14/356
D641,363 S *	7/2011	Dublin	D14/356
D641,971 S *	7/2011	Shibata	D3/206
7,971,400 B2 *	7/2011	Boldt	E06B 1/30 52/204.1
D642,585 S *	8/2011	Lan	D14/480.5
D644,988 S *	9/2011	Finney	D13/103
D645,814 S *	9/2011	Otani	D13/103
D646,222 S *	10/2011	Tatehata	D13/103
D648,340 S *	11/2011	Okura	D14/480.7
D648,690 S *	11/2011	Snodgrass	D14/125
D648,719 S *	11/2011	Gehrke	D14/257
D650,738 S *	12/2011	Leung	D13/107
D650,811 S *	12/2011	Andre	D14/496
D653,250 S *	1/2012	Gehrke	D14/257
D656,496 S *	3/2012	Andre	D14/341
D656,955 S *	4/2012	Akana	D14/203.3
D659,712 S *	5/2012	Andre	D14/496
D661,248 S *	6/2012	Fahrendorff	D13/107
D662,498 S *	6/2012	Morgan	D14/356
D662,878 S *	7/2012	Fahrendorff	D13/107
D664,994 S *	8/2012	Akana	D14/203.3
D665,734 S *	8/2012	Fitch	D13/107
D665,774 S *	8/2012	Akana	D14/203.1
D670,297 S *	11/2012	Huang	D14/480.5
D671,907 S *	12/2012	Behringer	D14/188
D672,336 S *	12/2012	Lister	D14/218
D677,623 S *	3/2013	Fitch	D13/108
D678,191 S *	3/2013	Fitch	D13/108
D678,876 S *	3/2013	Andre	D14/341
D680,068 S *	4/2013	Lee	D13/108
D682,777 S *	5/2013	Gupta	D13/103
8,446,711 B2 *	5/2013	Liao	H04M 1/0283 361/679.01
D683,703 S *	6/2013	Akana	D13/147
D684,113 S *	6/2013	Han	D13/103
D684,114 S *	6/2013	Otani	D13/103
D684,916 S *	6/2013	Ashida	D12/332
D684,926 S *	6/2013	Murchison	D13/107
D684,976 S *	6/2013	Akana	D14/433
D685,320 S *	7/2013	Murchison	D13/107
D687,023 S *	7/2013	Jung	D14/242
D691,176 S *	10/2013	Andre	D14/496
D694,708 S *	12/2013	Kim	D13/108
D700,136 S *	2/2014	Morris	D13/103
D700,139 S *	2/2014	Chan	D13/103
D703,614 S *	4/2014	Lee	D13/147
D705,782 S *	5/2014	McParland	D14/435
D706,357 S *	6/2014	Ashida	D21/330
D706,778 S *	6/2014	Kawasaki	D14/356
D706,779 S *	6/2014	Kawasaki	D14/356
D711,820 S *	8/2014	Zeng	D13/103
D714,767 S *	10/2014	Liang	D14/242
D716,304 S *	10/2014	Orthey	D14/385
D717,243 S *	11/2014	Liu	D13/103
D722,387 S *	2/2015	Van Camp	D25/48.2
D724,102 S *	3/2015	Andre	D14/203.1
D725,591 S *	3/2015	Chien	D13/103
D726,179 S *	4/2015	Orthey	D14/358
D727,846 S *	4/2015	Wen	D13/110
D729,727 S *	5/2015	Lin	D13/103
D733,704 S *	7/2015	Nagao	D14/341
D738,503 S *	9/2015	Md Kassim	D24/150
D739,405 S *	9/2015	Razdan	D14/365
D741,308 S *	10/2015	Lee	D14/248
D741,800 S *	10/2015	Yonishi	D13/119
9,155,368 B2 *	10/2015	Chang	A45C 11/22
D743,395 S *	11/2015	Chen	D14/385
D743,398 S *	11/2015	Smith et al.	D14/433
D743,889 S *	11/2015	Lyles	D13/110
2002/0021558 A1 *	2/2002	Schwarz	G05B 19/054 361/729
2002/0177362 A1 *	11/2002	Chang	G06K 19/07739 439/638
2003/0017372 A1 *	1/2003	Probst	A61N 1/375 429/7
2003/0017390 A1 *	1/2003	Probst	A61N 1/375 429/176
2003/0082441 A1 *	5/2003	Hovi	H01M 2/1061 429/123
2004/0091769 A1 *	5/2004	Kawabata	H01M 2/08 429/163
2004/0234848 A1 *	11/2004	Chung	H01M 2/021 429/181
2005/0041387 A1 *	2/2005	Lee	G06F 1/16 361/679.33
2005/0208345 A1 *	9/2005	Yoon	H01M 2/0434 429/7
2005/0214597 A1 *	9/2005	Kim	H01M 2/0404 429/7
2006/0003192 A1 *	1/2006	Lim	H01M 2/20 429/7
2006/0056103 A1 *	3/2006	Hamming	G06F 1/187 360/99.13
2006/0099492 A1 *	5/2006	Jeon	H01M 2/0404 429/61
2007/0293079 A1 *	12/2007	Chao	H01R 3/6275 439/352
2008/0158808 A1 *	7/2008	Camarena	G06F 1/187 361/679.34
2008/0280490 A1 *	11/2008	Nguyen	G06F 12/1416 439/607.01
2009/0033621 A1 *	2/2009	Quinn	G06F 3/0231 345/158
2009/0117412 A1 *	5/2009	Koh	H01M 2/0473 429/7
2009/0123821 A1 *	5/2009	Kim	H01M 2/0404 429/124
2009/0154048 A1 *	6/2009	Jang	H01M 2/30 361/106
2009/0155684 A1 *	6/2009	Jang	H01M 2/021 429/178
2010/0031578 A1 *	2/2010	Hartwell	E06B 1/70 49/468
2010/0053859 A1 *	3/2010	Chang	H01R 13/5213 361/679.01
2010/0064590 A1 *	3/2010	Jones	E05D 15/0656 49/469
2011/0003179 A1 *	1/2011	Jang	H01M 2/0404 429/7
2011/0075349 A1 *	3/2011	Ma	G06F 1/1632 361/679.41
2012/0044620 A1 *	2/2012	Song	G06F 1/1616 361/679.01
2012/0262109 A1 *	10/2012	Toya	H01M 10/44 320/108
2013/0002133 A1 *	1/2013	Jin	G06F 1/169 313/511
2013/0042535 A1 *	2/2013	Fleeting	E06B 7/26 49/476.1
2013/0091776 A1 *	4/2013	Van Camp	E06B 1/70 49/467
2013/0263516 A1 *	10/2013	Potter	E06B 7/231 49/493.1

* cited by examiner

FIG. 1

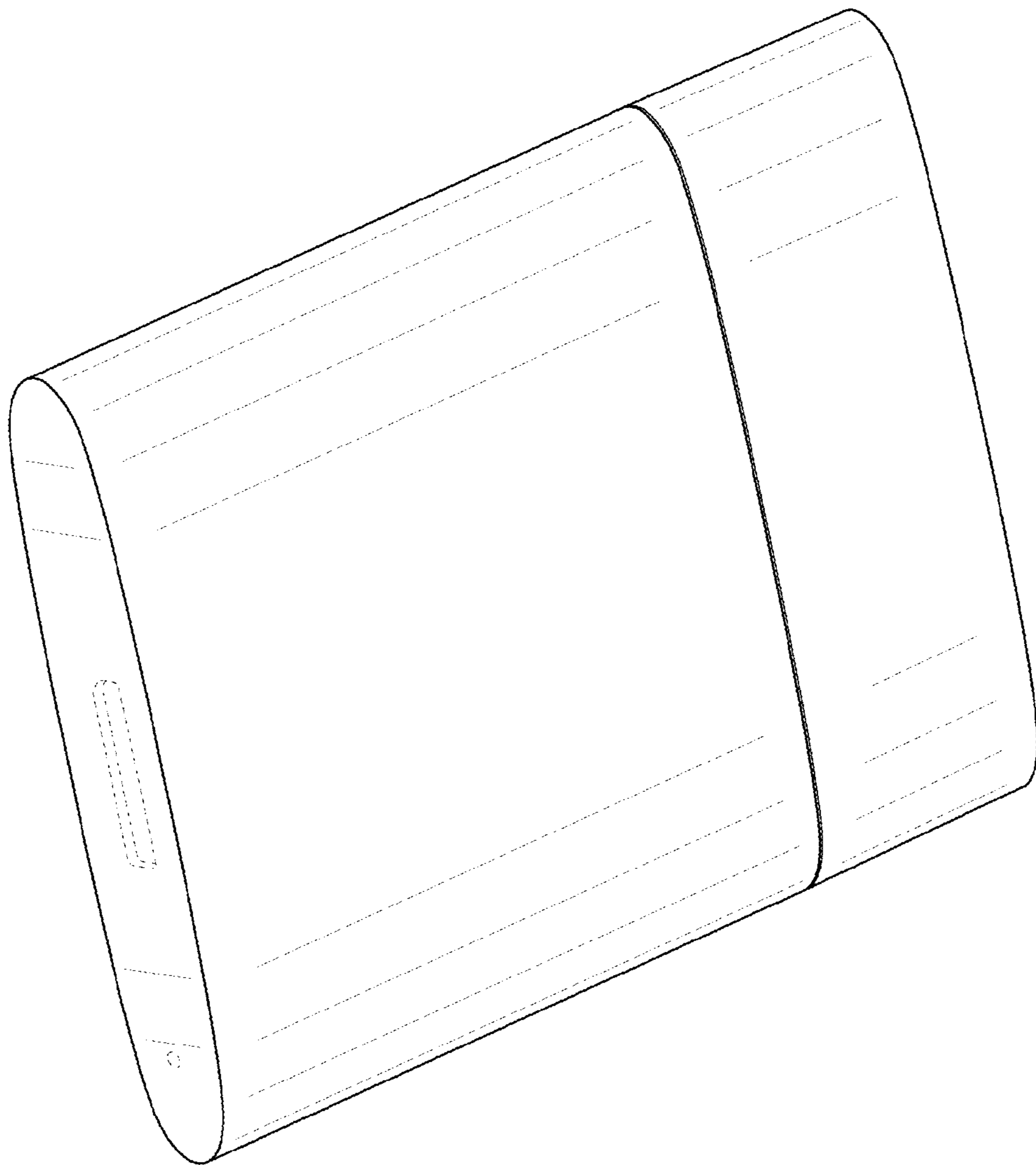


FIG. 2



FIG. 3

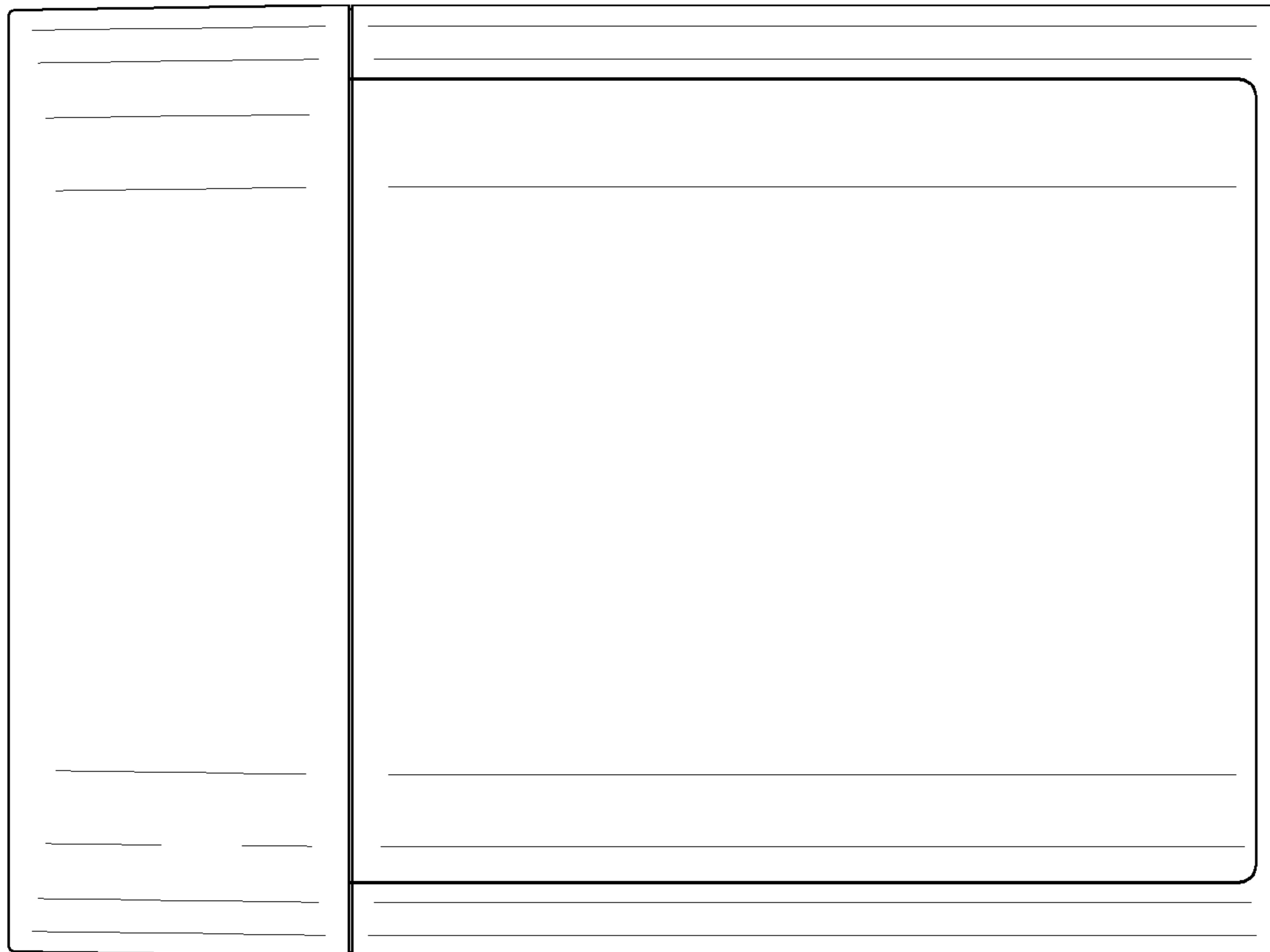


FIG. 4

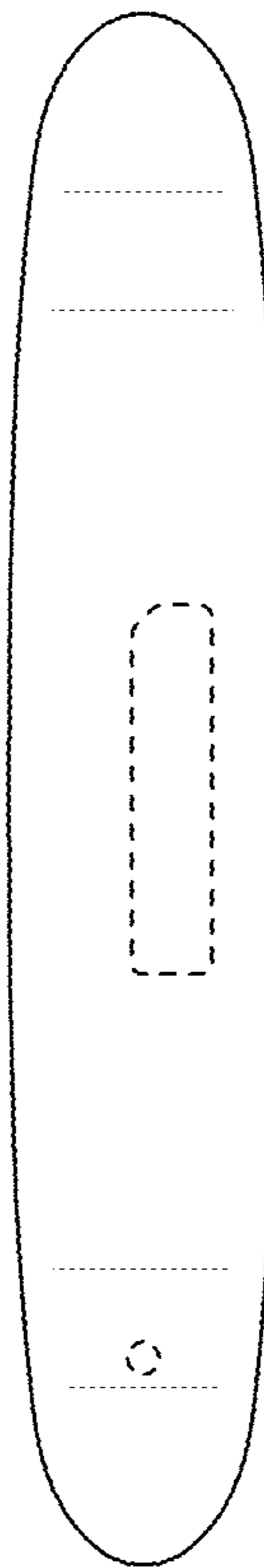


FIG. 5

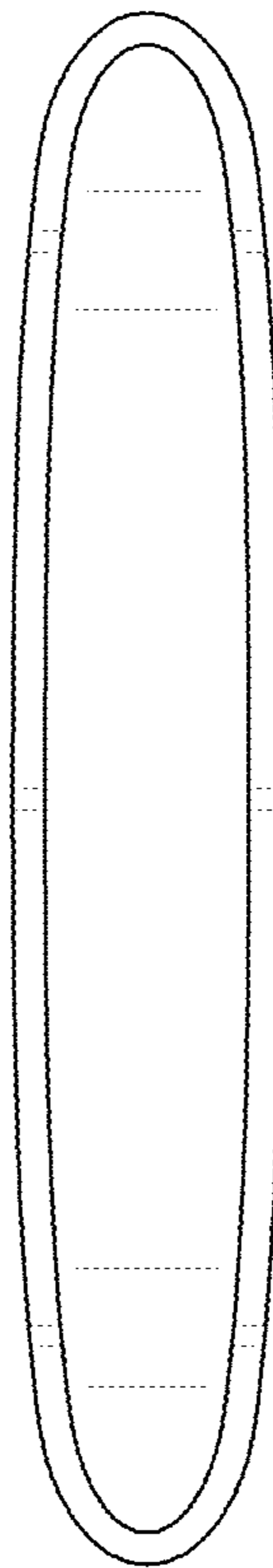


FIG. 6

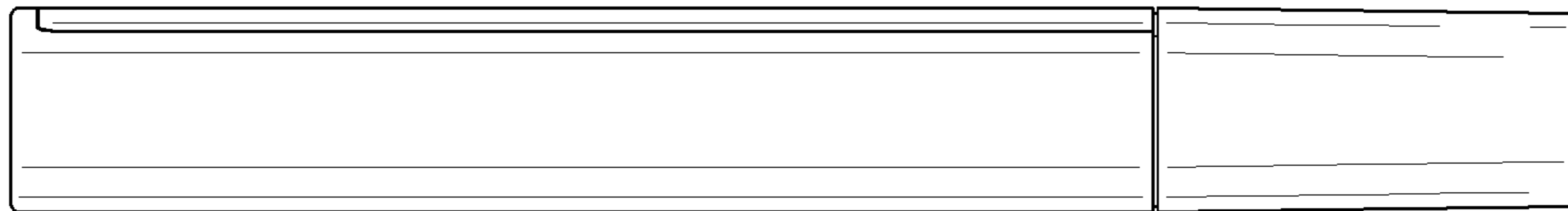


FIG. 7

