



US00D770318S

(12) **United States Design Patent** (10) **Patent No.:** **US D770,318 S**
Parker et al. (45) **Date of Patent:** **** Nov. 1, 2016**

(54) **DOOR CHIME**

(71) Applicant: **NOVAR ED&S Limited**, Bracknell, Berkshire (GB)

(72) Inventors: **Christopher Parker**, London (GB); **Dominic Hargreaves**, Stratford Upon Avon (GB); **Felix Haeffner**, London (GB); **Iphin Rangson**, London (GB)

(73) Assignee: **Novar ED&S Limited**, Bracknell (GB)

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

(21) Appl. No.: **29/530,150**

(22) Filed: **Jun. 12, 2015**

(30) **Foreign Application Priority Data**

Dec. 15, 2014 (EM) 002597419

(51) **LOC (10) Cl.** **10-05**

(52) **U.S. Cl.**
USPC **D10/118.2**

(58) **Field of Classification Search**
USPC D10/118.2, 106.2, 53
CPC G10K 1/00; G10K 1/66
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D118,866 S	2/1940	Rittenhouse
D120,424 S	5/1940	McMullen
D122,293 S	9/1940	Guild
D199,875 S	12/1964	Stevenson
D207,755 S	5/1967	Stevenson
D208,339 S	8/1967	Stevenson
D215,187 S	9/1969	Doggart
D215,375 S	9/1969	Doggart
D223,304 S	4/1972	Doggart
D258,424 S	3/1981	Doggart
D261,117 S	10/1981	Lewis

D261,118 S	10/1981	Perhacs, Jr.	
D264,196 S	5/1982	Doggart	
D264,320 S	5/1982	Doggart	
D277,465 S *	2/1985	MacDonald D10/106.1
D280,082 S	8/1985	Levin et al.	
D280,083 S	8/1985	Levin et al.	
D284,069 S	6/1986	Levin	
D284,173 S	6/1986	Levin	
D284,174 S	6/1986	Levin	
D284,175 S	6/1986	Levin	
D300,528 S	4/1989	Drane	

(Continued)

FOREIGN PATENT DOCUMENTS

CN	2105741	5/1992
CN	1245950	3/2001

(Continued)

OTHER PUBLICATIONS

[https://www.google.com/search?q=door+chime&biw=1092&bih=926&s . . .](https://www.google.com/search?q=door+chime&biw=1092&bih=926&s...), "Door Chime—Google Search," 18 pages, printed Jun. 15, 2015.

(Continued)

Primary Examiner — George D Kirschbaum
(74) *Attorney, Agent, or Firm* — Seager, Tufte & Wickhem, LLP

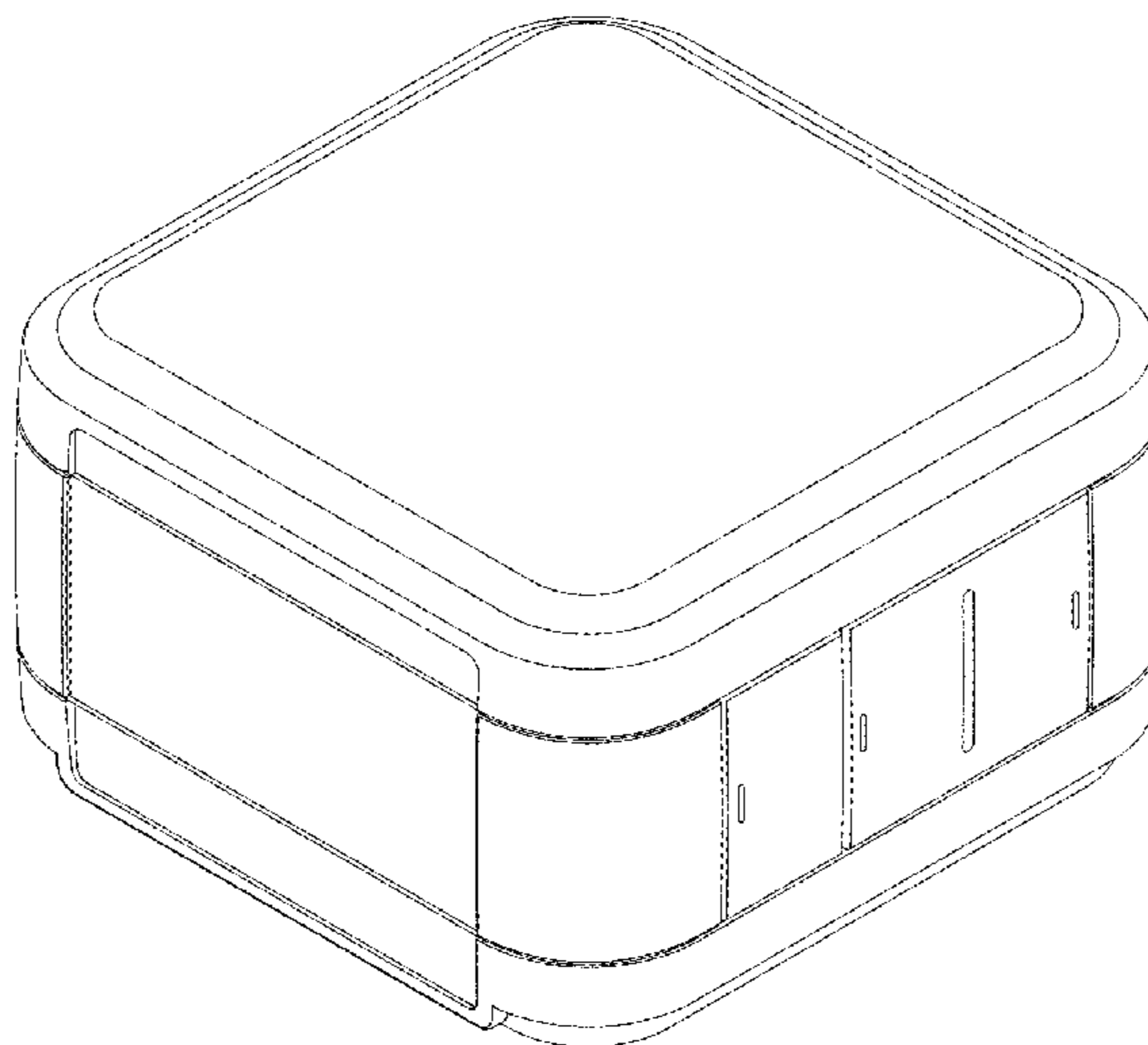
(57) **CLAIM**

An ornamental design for a door chime, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a door chime; FIG. 2 is a front elevation view of the door chime of FIG. 1; and, FIGS. 3-6 are left, right, top and bottom views of the door chime of FIG. 1.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D302,545 S 8/1989 Drane
D304,453 S 11/1989 Matsushima
4,998,045 A 3/1991 Ruby
D353,345 S 12/1994 Dawson
5,428,265 A 6/1995 Booth, Jr. et al.
D380,167 S 6/1997 Ryan
D381,594 S 7/1997 Ryan
D382,220 S 8/1997 Huang
D382,502 S 8/1997 Ryan
D385,208 S 10/1997 Chui
D392,576 S 3/1998 Pun
5,774,039 A 6/1998 Housley
D406,110 S 2/1999 Ryan
D410,404 S 6/1999 Scheibe
D415,444 S 10/1999 Mooney et al.
D422,234 S 4/2000 Artuz, Jr.
D439,186 S 3/2001 Kovens et al.
D440,509 S 4/2001 Greene
D459,670 S 7/2002 Bergstrom
D478,832 S 8/2003 Dipple
6,750,760 B2* 6/2004 Albritton G10K 1/066
340/330
6,815,625 B1 11/2004 Leopold et al.
7,098,610 B2 8/2006 Rodriguez
7,180,021 B2 2/2007 Birdwell
7,190,124 B2 3/2007 Kumar et al.
D541,689 S 5/2007 Meyers et al.
7,259,527 B2 8/2007 Foo
D555,026 S 11/2007 Teiber et al.
7,332,683 B2 2/2008 Gorman
7,339,331 B2 3/2008 Vanderzon
D572,162 S 7/2008 Beland et al.
D572,619 S 7/2008 Beland et al.
D573,500 S 7/2008 Beland et al.
D573,501 S 7/2008 Beland et al.
D574,284 S 8/2008 Beland et al.
D574,742 S 8/2008 Spencer
D574,743 S 8/2008 Beland et al.
D576,904 S 9/2008 Beadle
D579,250 S 10/2008 Cittadino et al.
7,570,031 B2 8/2009 Salvestrini
7,576,292 B2 8/2009 Birdwell et al.
7,586,718 B1 9/2009 Radosavljevic et al.
D605,542 S 12/2009 Ho
D610,031 S 2/2010 Beland et al.
D616,321 S 5/2010 Skaf et al.
7,837,344 B2 11/2010 Altonen et al.
7,868,561 B2 1/2011 Weightman et al.
D636,286 S 4/2011 Khor et al.
D636,287 S 4/2011 Khor et al.
D637,099 S 5/2011 Khor et al.
8,053,997 B2 11/2011 Salvestrini
8,076,862 B2 12/2011 Thirugnanasambandham
8,212,491 B2 7/2012 Kost et al.
8,324,823 B2 12/2012 Choi et al.
8,339,048 B2 12/2012 Newman, Jr. et al.
8,344,647 B2 1/2013 Kinsella
8,350,487 B2 1/2013 Thirugnanasambandham et al.
D710,728 S 8/2014 Siminoff

D711,275 S 8/2014 Scalisi
D724,462 S * 3/2015 Bould D10/106.2
D727,769 S 4/2015 Scalisi
D729,678 S 5/2015 Scalisi
D730,755 S * 6/2015 Bould D10/106.6
D746,711 S * 1/2016 Li D10/106.1
2003/0080855 A1 5/2003 Koneff et al.
2004/0124978 A1 7/2004 Chen
2006/0038663 A1 2/2006 Steinetz et al.
2009/0200952 A1 8/2009 King

FOREIGN PATENT DOCUMENTS

CN 101276503 10/2008
CN 102426730 4/2012
CN 203260133 10/2013
DE 10012082 10/2001
EP 1135007 4/2003
EP 1158841 2/2006
GB 2418082 3/2000
GB 2343796 5/2000
JP 2006032030 2/2006
JP 2008035632 2/2008
WO WO03/005550 1/2003
WO WO2007/006851 1/2007
WO WO2009/036517 3/2009
WO WO2009/099522 8/2009

OTHER PUBLICATIONS

<http://12.153.20.72/cgi-bin/chimeswdc.cgi?product=1>, "Heath Zenith Lighting and Door Chimes, Model 57-1/M," 1 page, printed Oct. 24, 2007.
<http://www.friedland.co.uk/products/libraplus.htm>, "Friedland Libra+ Wirefree Chimes," 3 pages, printed Mar. 24, 2008.
<http://www.nutone.com/product-detail.asp?ProductID=11246>, "Nutone Model BK105—One 2-Note White Door Chime—Builder Kits," 2 pages, printed Oct. 24, 2007.
<http://www.nutone.com/product-detail.asp?ProductID=11242>, "Nutone Model BK140LWH—One 2-Note White Door Chime—Builder Kits," 2 pages, printed Oct. 24, 2007.
Design U.S. Appl. No. 29/530,145, filed Jun. 12, 2015.
Design U.S. Appl. No. 29/530,148, filed Jun. 12, 2015.
Design U.S. Appl. No. 29/530,151, filed Jun. 12, 2015.
Search Report for GB Application No. 1422234.3, dated May 28, 2015.
U.S. Appl. No. 14/967,769, filed Dec. 14, 2015.
<http://bellman.com/en/our-solutions/home-altering-solutions/>, "Home Alerting Solutions," 7 pages, printed Jun. 30, 2015.
http://doorchimesuk.co.uk/catalog/product_info.php?cPath=34&productsid=444, "Byron BY202tx 100m Plug-in Front Door/Back Door Wireless Chime Kit from Doorc . . .," 1 page, printed Jun. 30, 2015.
<http://web.archive.org/web/20141026150006/http://www.actiononhearingloss.org.uk/s> . . . , "Flashing or Vibrating Doorbells—Action on Hearing Loss: RNID," 3 pages, printed Mar. 7, 2016.

* cited by examiner

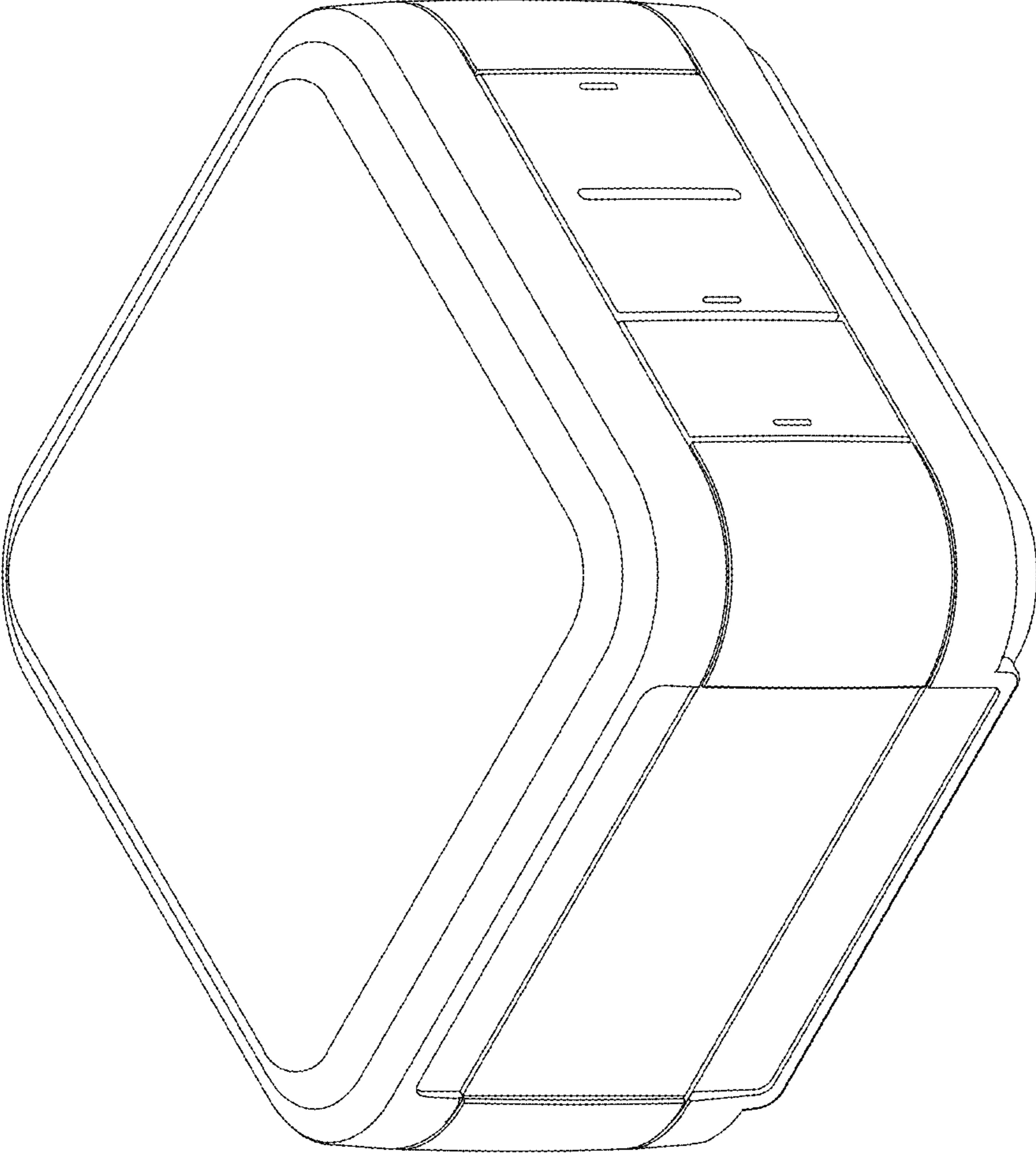


Figure 1

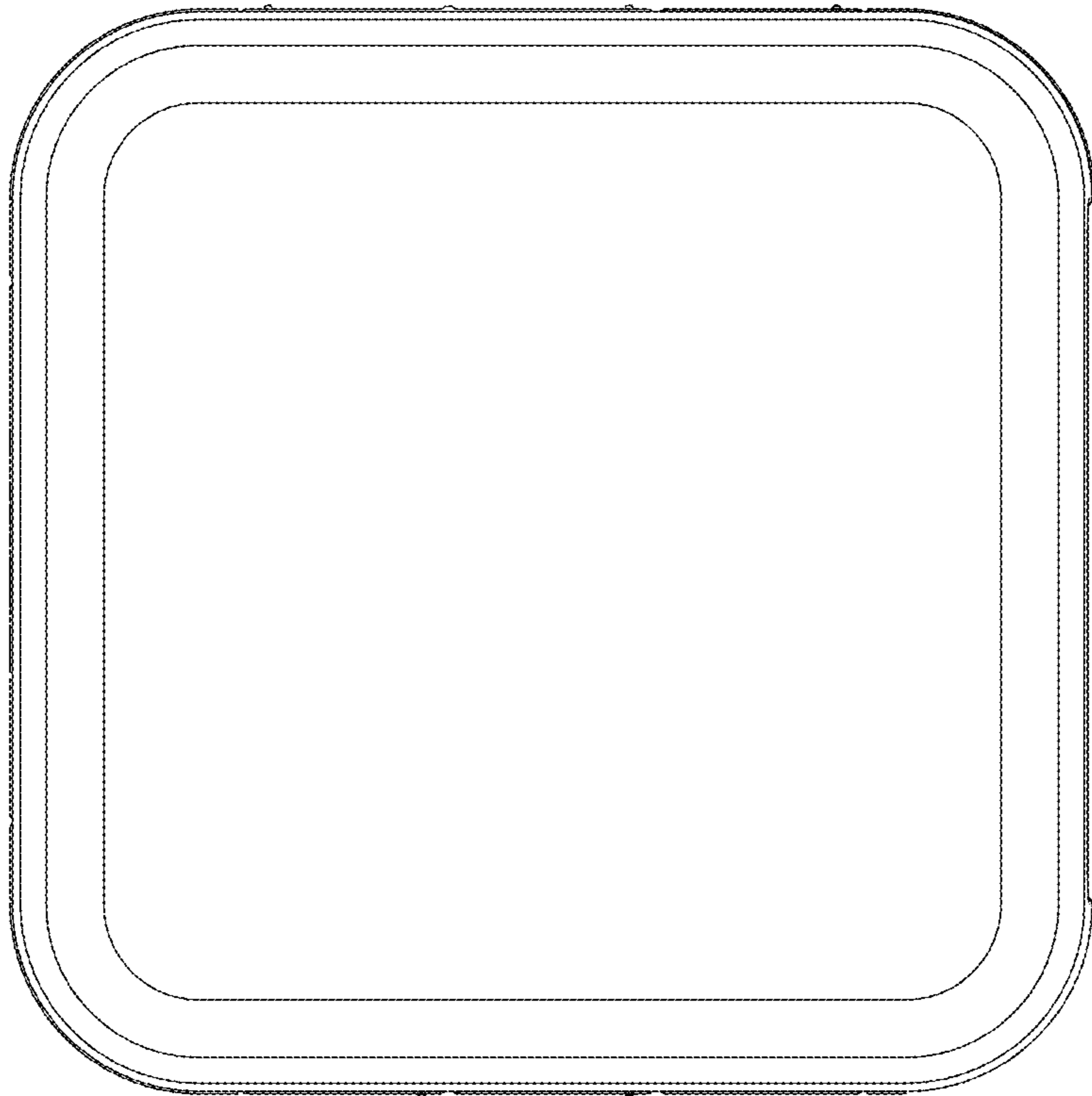


Figure 2

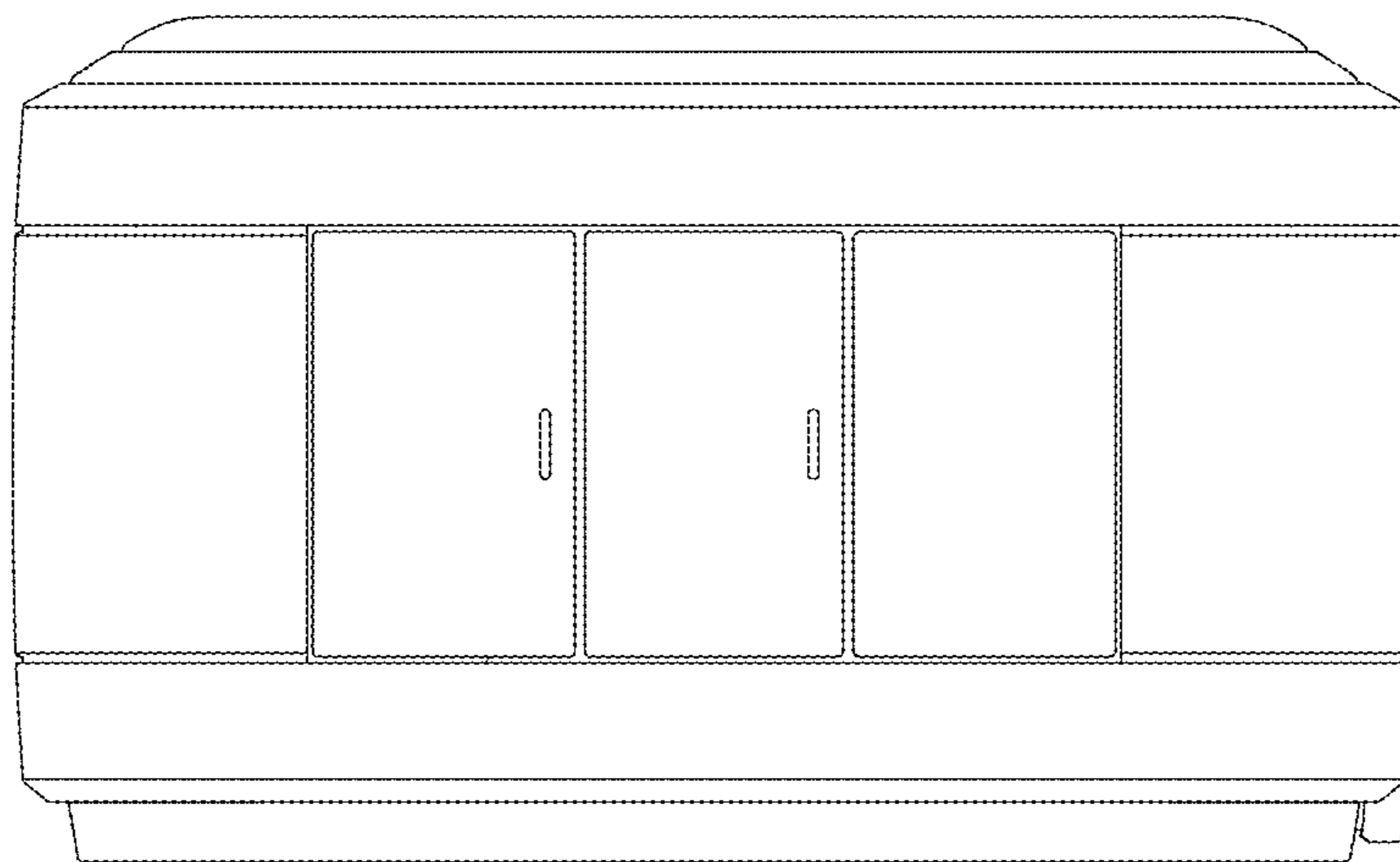


Figure 3

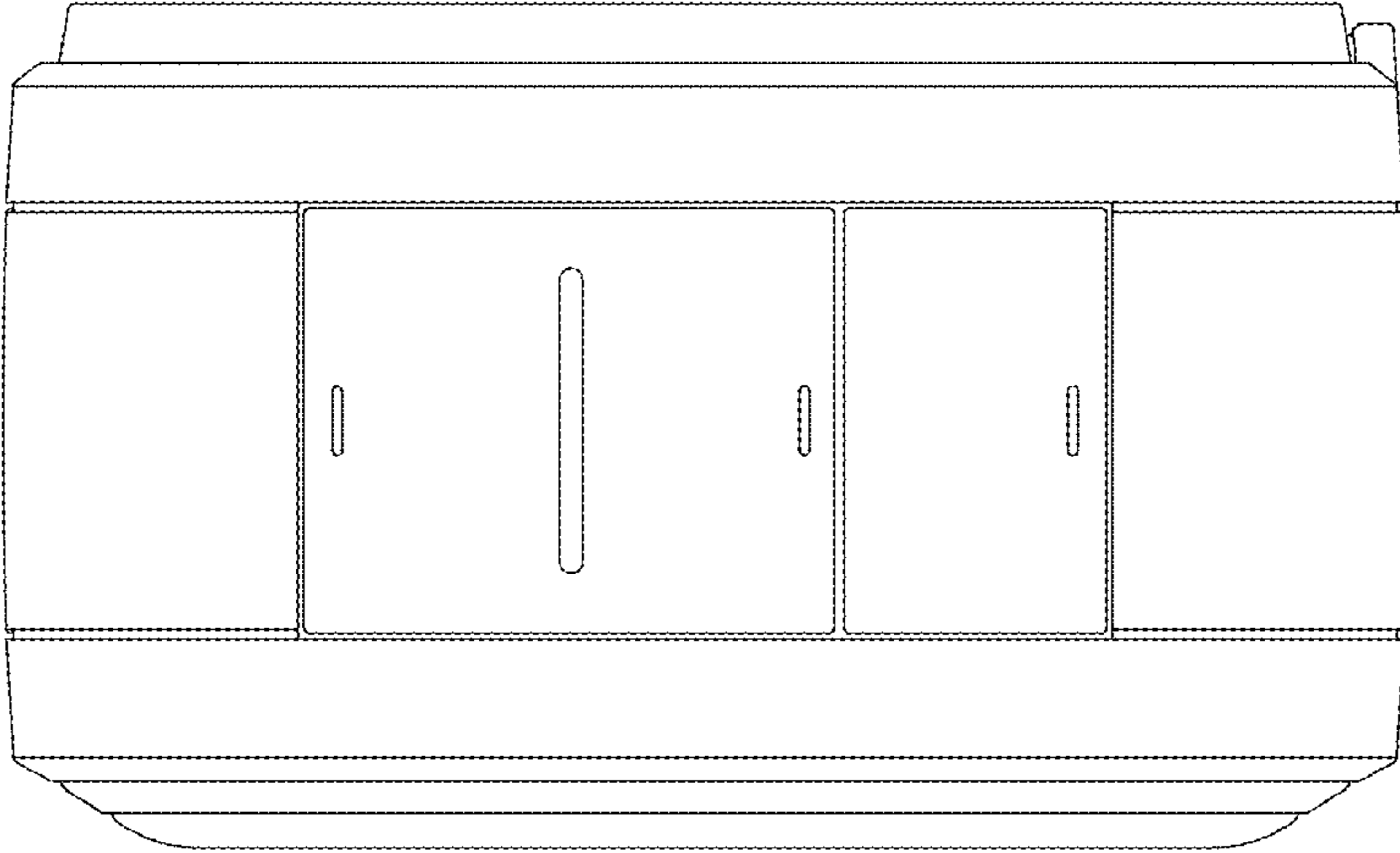


Figure 4

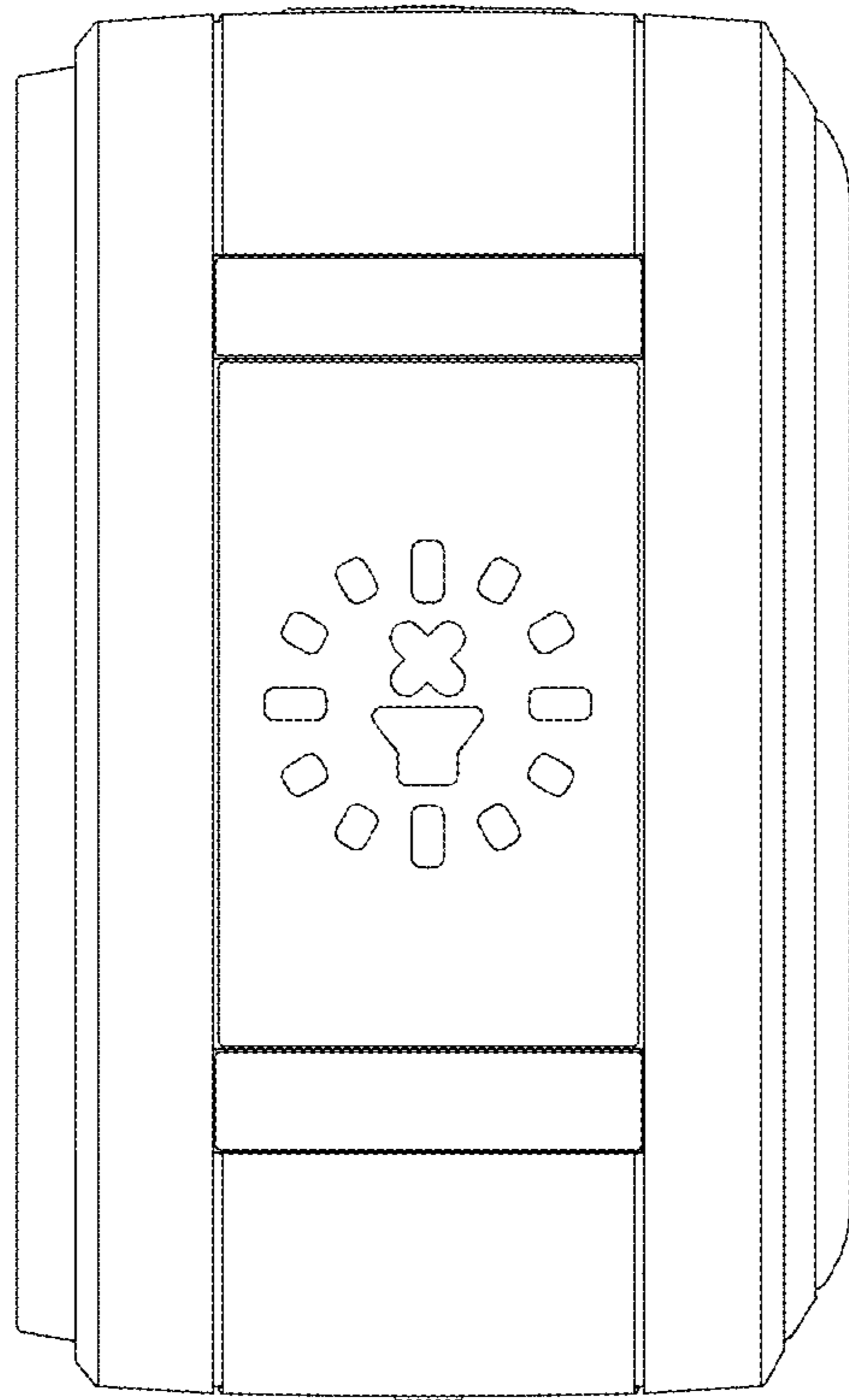


Figure 5

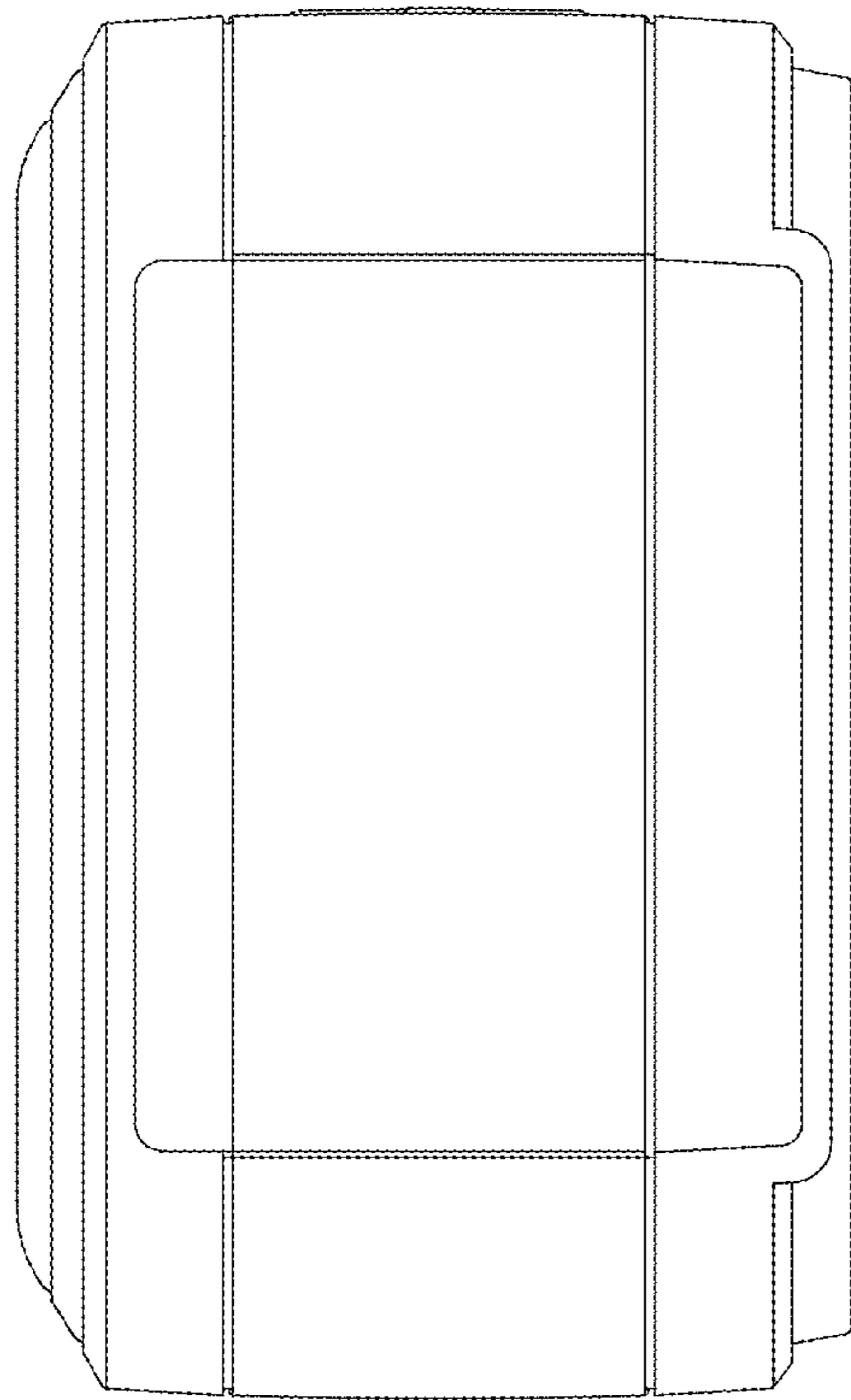


Figure 6