



US00D795728S

(12) **United States Design Patent** (10) **Patent No.:** **US D795,728 S**
Parker et al. (45) **Date of Patent:** **** Aug. 29, 2017**

(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)

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
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

(Continued)

(73) Assignee: **Novar ED&S Limited**, Bracknell (GB)
(**) Term: **15 Years**

FOREIGN PATENT DOCUMENTS

CN 2105741 5/1992
CN 1245950 3/2001

(Continued)

(21) Appl. No.: **29/558,339**

(22) Filed: **Mar. 16, 2016**

OTHER PUBLICATIONS

Search Report for GB Application No. 1422234.3, dated May 28, 2015.

(Continued)

(30) **Foreign Application Priority Data**

Sep. 16, 2015 (EM) 002773515

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

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

(58) **Field of Classification Search**
USPC D10/118.2, 121, 118.1; D14/159;
D16/203

CPC . G08B 15/001; H04M 11/025; H04M 1/0291;
H04N 7/185

See application file for complete search history.

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

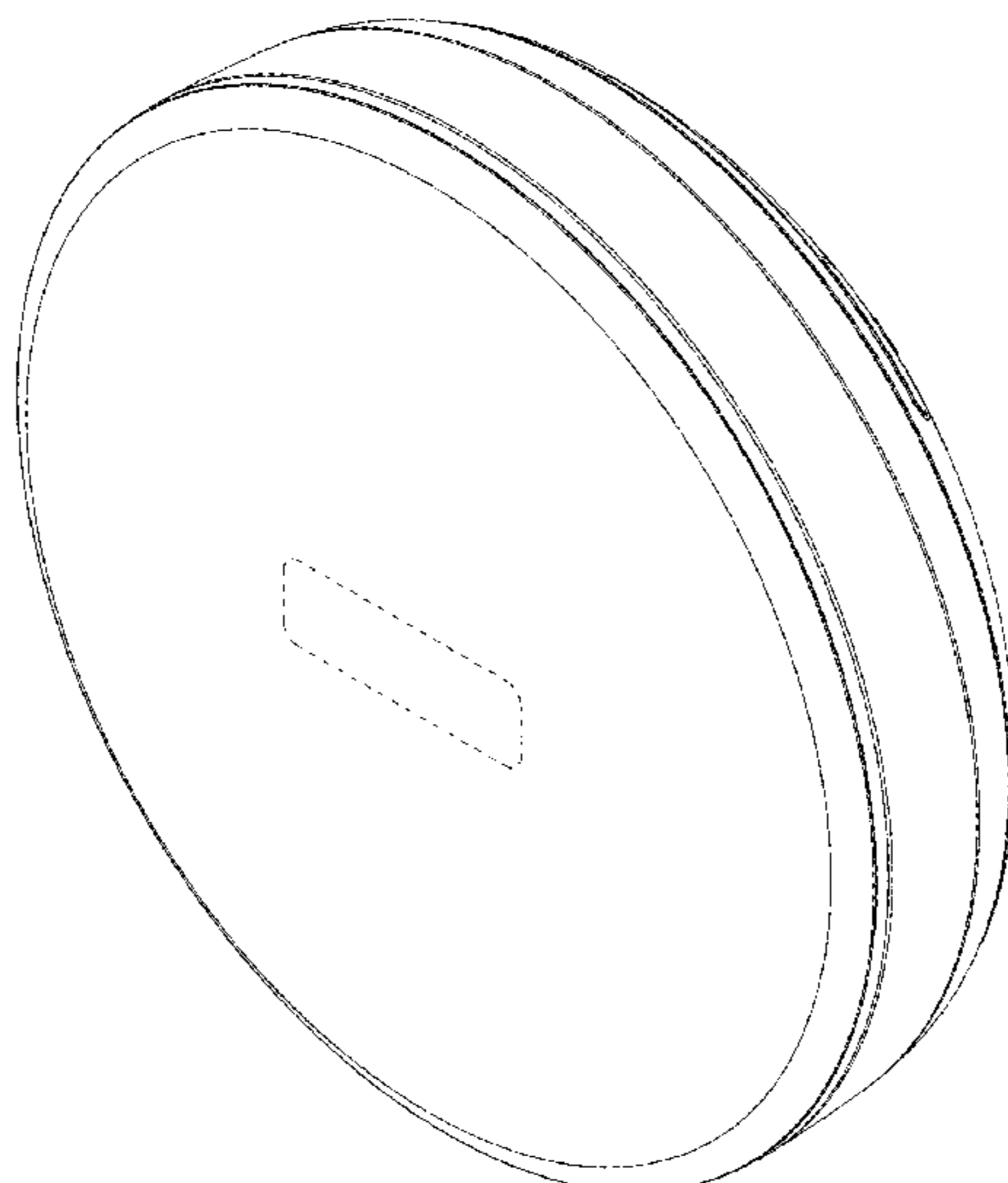
FIG. 1 is a perspective view of a door chime;
FIG. 2 is a front elevation view of the door chime of FIG. 1;
FIGS. 3-6 are left, right, top and bottom views of the door chime of FIG. 1; and,
FIG. 7 is a back view of the door chime of FIG. 1.
The broken lines depict unclaimed environmental subject matter.

(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

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D284,174 S 6/1986 Levin
 D284,175 S 6/1986 Levin
 D300,528 S 4/1989 Drane
 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
 6,815,625 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.
 D645,071 S * 9/2011 Hinkel D16/203
 8,053,997 B2 11/2011 Salvestrini
 8,076,862 B2 12/2011 Thirugnanasambandham
 D664,178 S * 7/2012 Hinkel D16/203
 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
 D727,769 S 4/2015 Scalisi
 D729,678 S 5/2015 Scalisi
 D736,294 S * 8/2015 Scalisi D16/203
 9,113,051 B1 * 8/2015 Scalisi H04N 7/185
 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
 2015/0049191 A1 * 2/2015 Scalisi H04M 1/0291
 348/143

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 WO 03/005550 1/2003
 WO WO 2007/006851 1/2007
 WO WO 2009/036517 3/2009
 WO WO 2009/099522 8/2009

OTHER PUBLICATIONS

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. 29/530,150, filed Jun. 12, 2015.
 Design U.S. Appl. No. 29/530,151, filed Jun. 12, 2015.
 Design U.S. Appl. No. 14/967,769, filed Dec. 14, 2015.
<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://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.
<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=11242>, "Nutone Model BK140LWH—One 2-Note White Door Chime—Builder Kits," 2 pages, printed Oct. 24, 2007.
<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.
<https://www.google.com/search?q=door+chime&biw=1092&bih=926&s> . . . , "Door Chime—Google Search," 18 pages, printed Jun. 15, 2015.

* cited by examiner

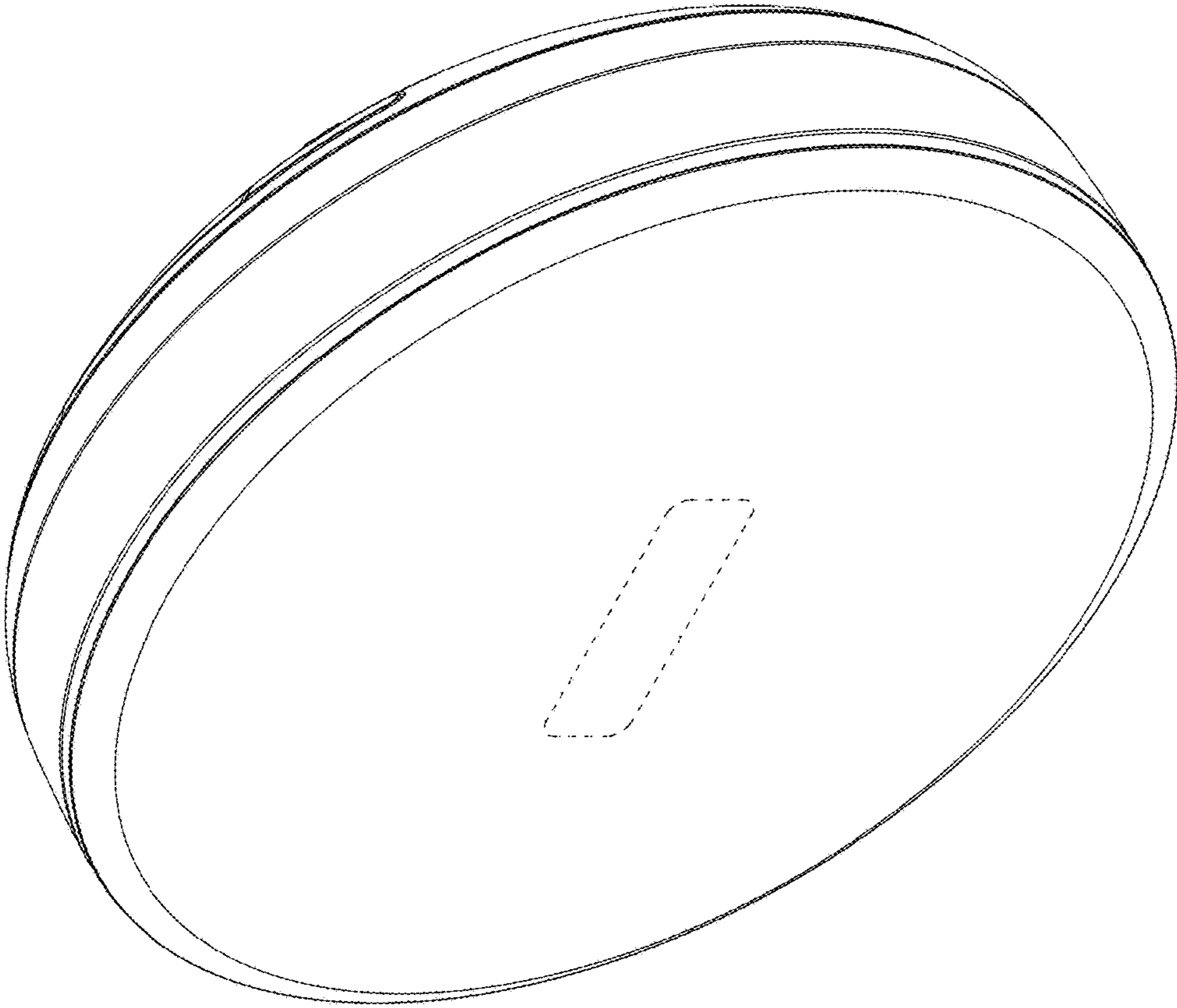


Figure 1

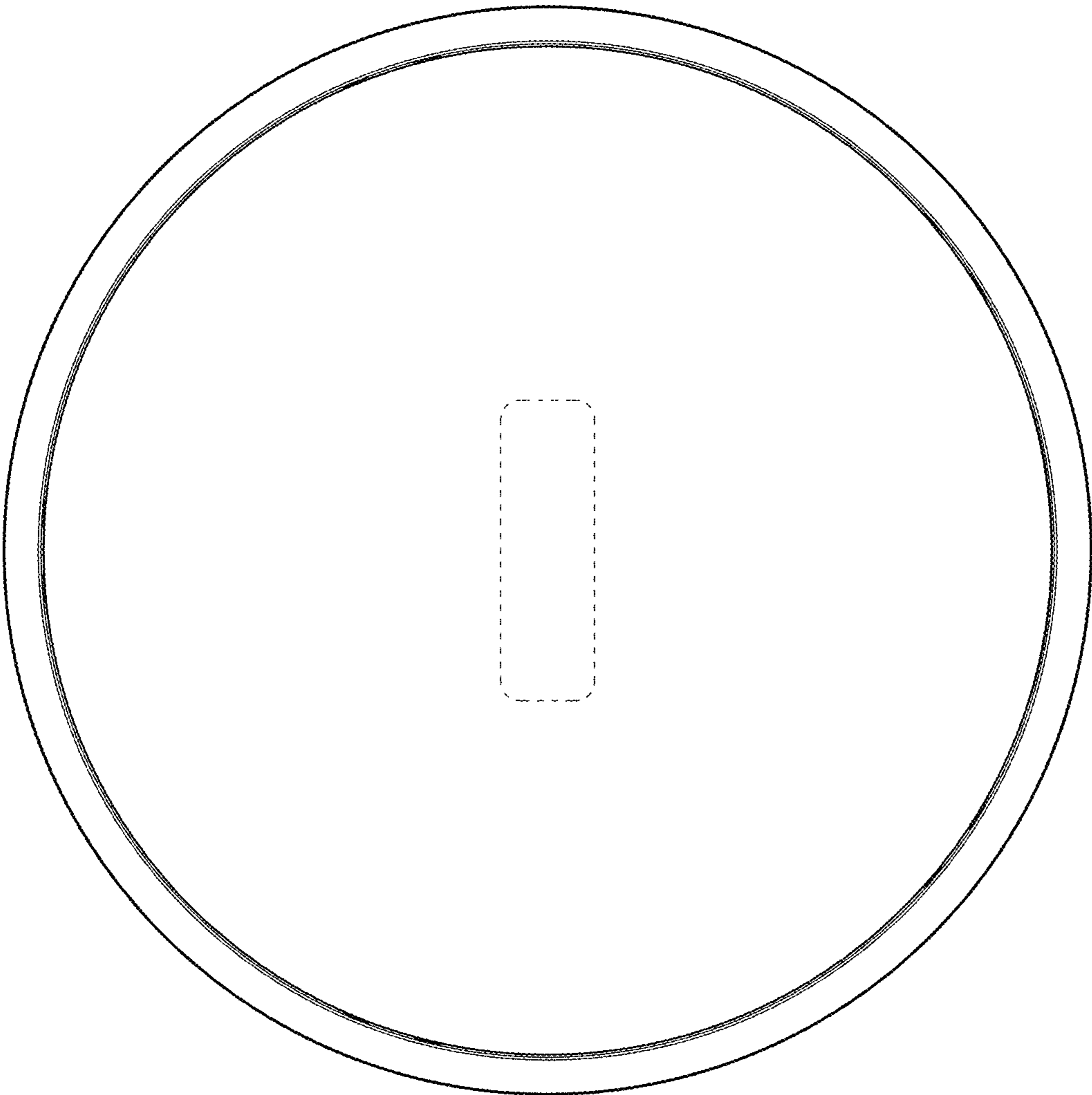


Figure 2

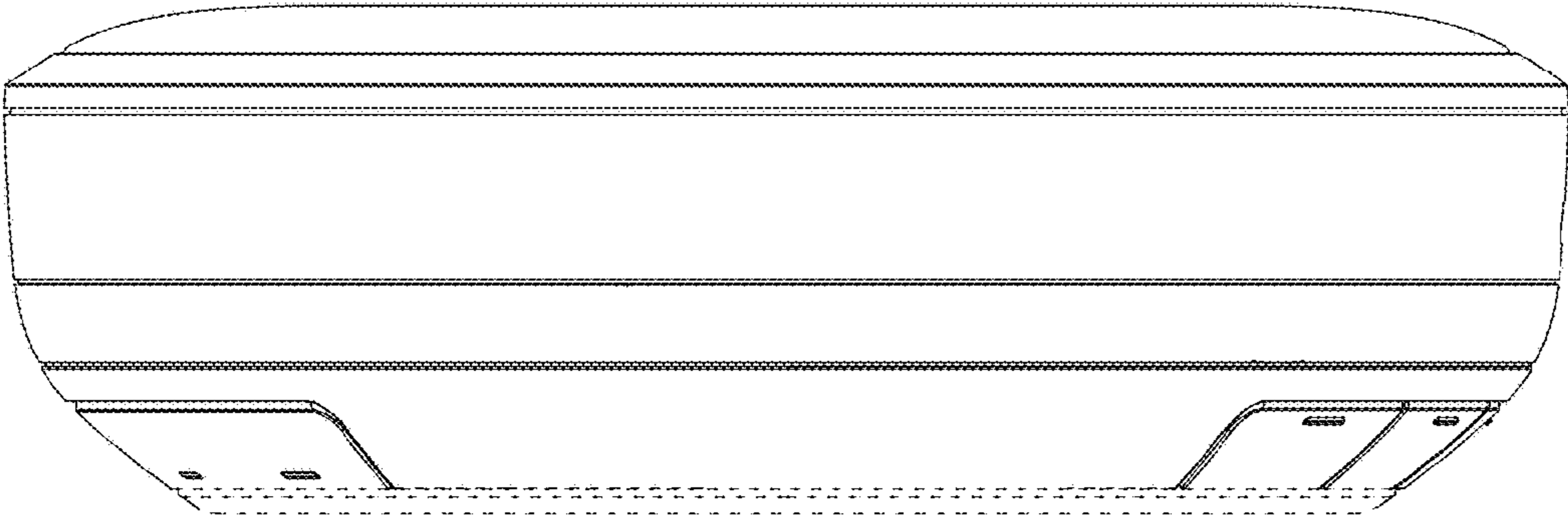


Figure 3

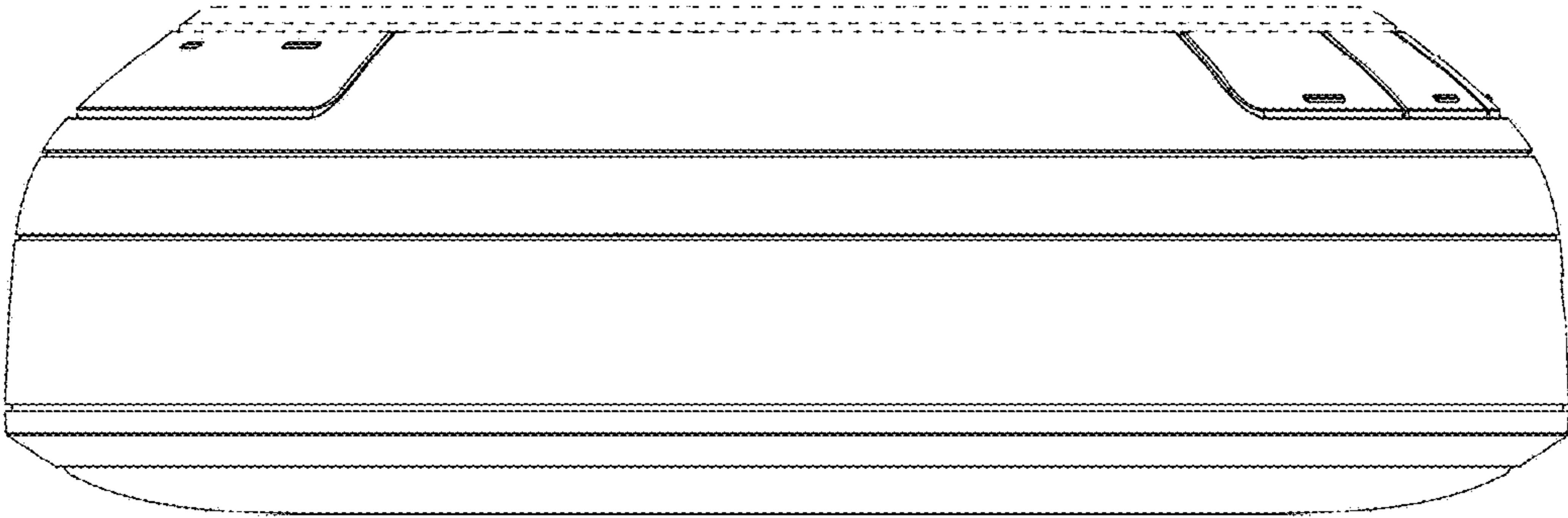


Figure 4

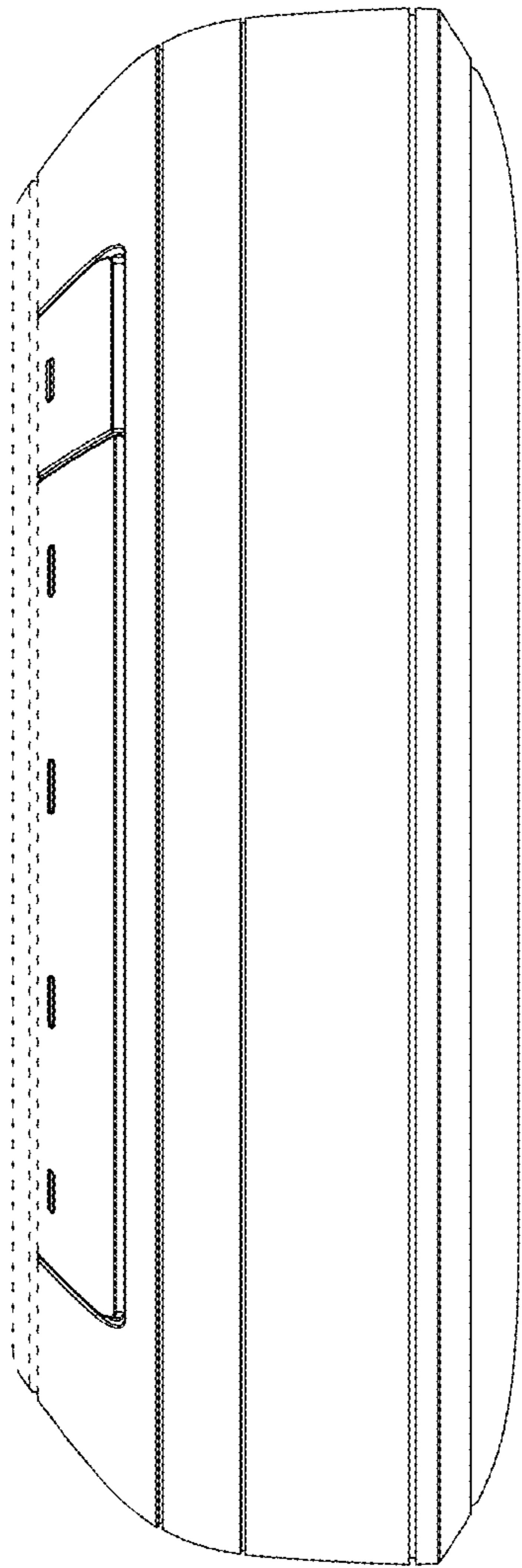


Figure 5

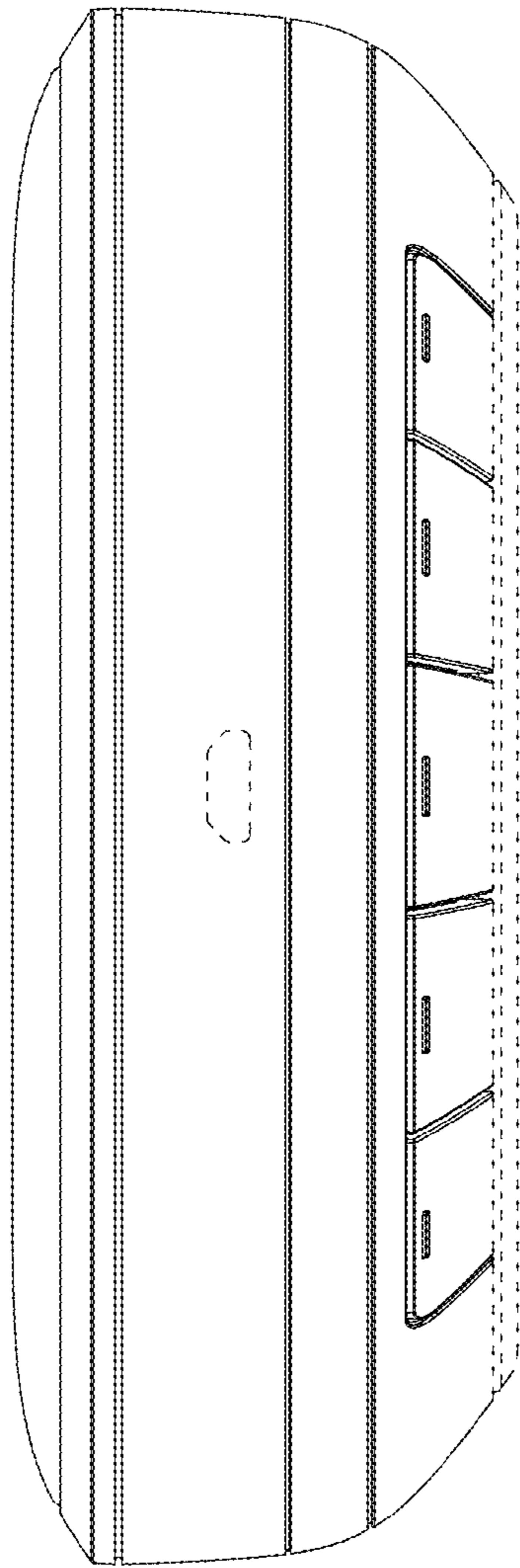


Figure 6

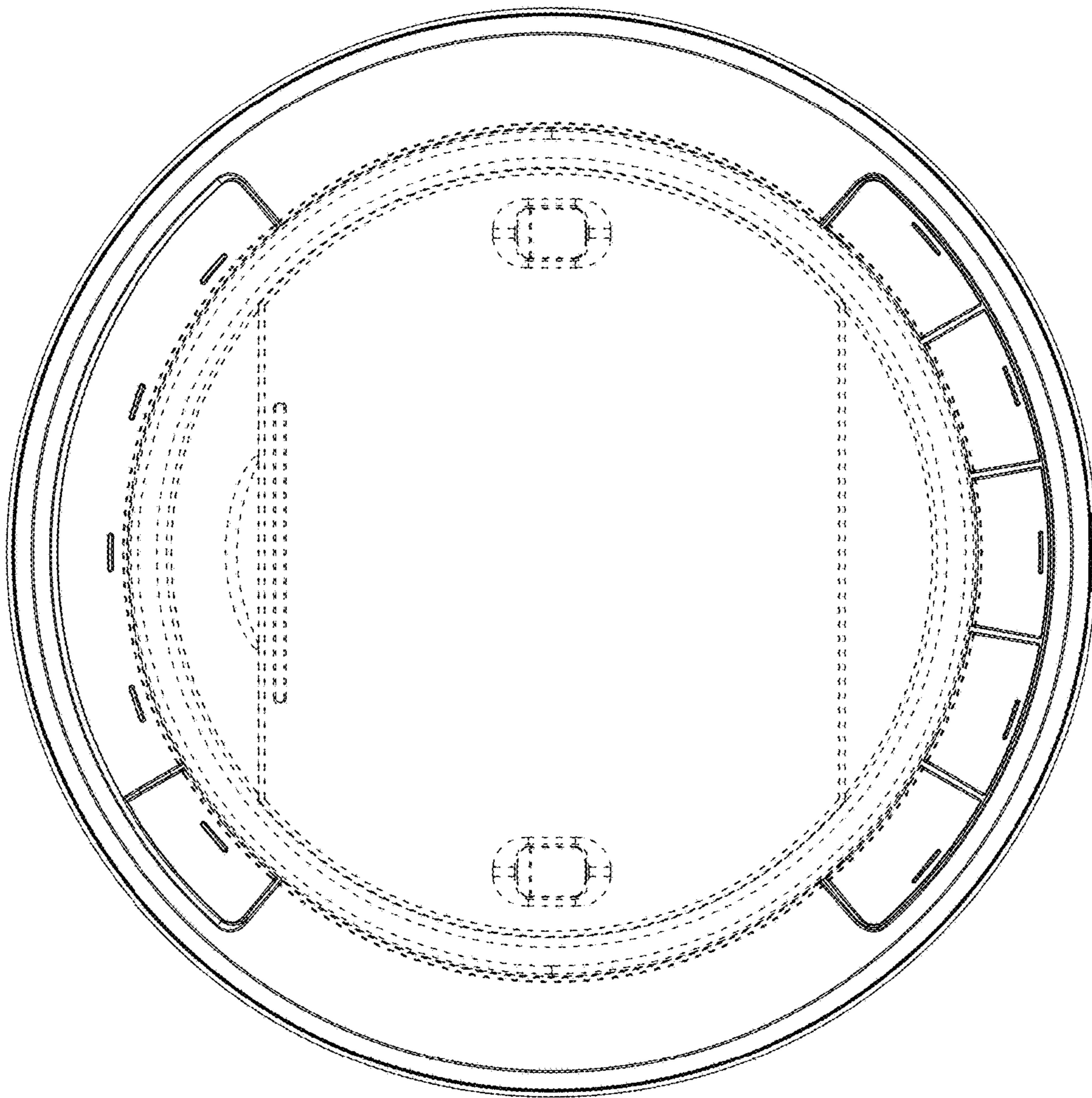


Figure 7