



US00D959368S

(12) **United States Design Patent** (10) **Patent No.:** **US D959,368 S**
Ando et al. (45) **Date of Patent:** **** Aug. 2, 2022**

(54) **BATTERY CHARGER FOR EARPHONE**

(71) Applicant: **JVCKENWOOD Corporation,**
Yokohama (JP)

(72) Inventors: **Yui Ando,** Yokohama (JP); **Satoshi Yoshimura,** Yokohama (JP)

(73) Assignee: **JVCKENWOOD Corporation,**
Yokohama (JP)

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

(21) Appl. No.: **29/761,565**

(22) Filed: **Dec. 10, 2020**

(30) **Foreign Application Priority Data**

Sep. 25, 2020 (JP) 2020-020366 D

(51) **LOC (13) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/108**

(58) **Field of Classification Search**

USPC D13/102–110, 118, 119, 153, 154, 184,
D13/199; D3/294; D14/250

CPC Y02E 60/10; Y02E 60/12; Y02E 60/122;
Y02E 60/124; Y02E 60/50; H01M 2/02;
H01M 2/022; H01M 2/0202; H01M
2/0207; H01M 2/0212; H01M 2/1061;
H01M 2/1022; H01M 2/1055; H01M
2/1066; H01M 2/105; H01M 2/20; H01M
2/202; H01M 2/204; H01M 2/206; H01M
10/44; H01M 10/46; H01M 10/465;
H01M 10/482; H01M 10/4257; H01M
10/0436; H01M 10/48; H01M 2200/30;
H01M 2250/30; H01M 2250/40; H02J
7/00; H02J 7/0003;

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D553,077 S * 10/2007 Kim D13/108
D823,246 S * 7/2018 Lin D13/108

(Continued)

Primary Examiner — Christy Nemeth

(74) *Attorney, Agent, or Firm* — Amin, Turocy & Watson,
LLP

(57) **CLAIM**

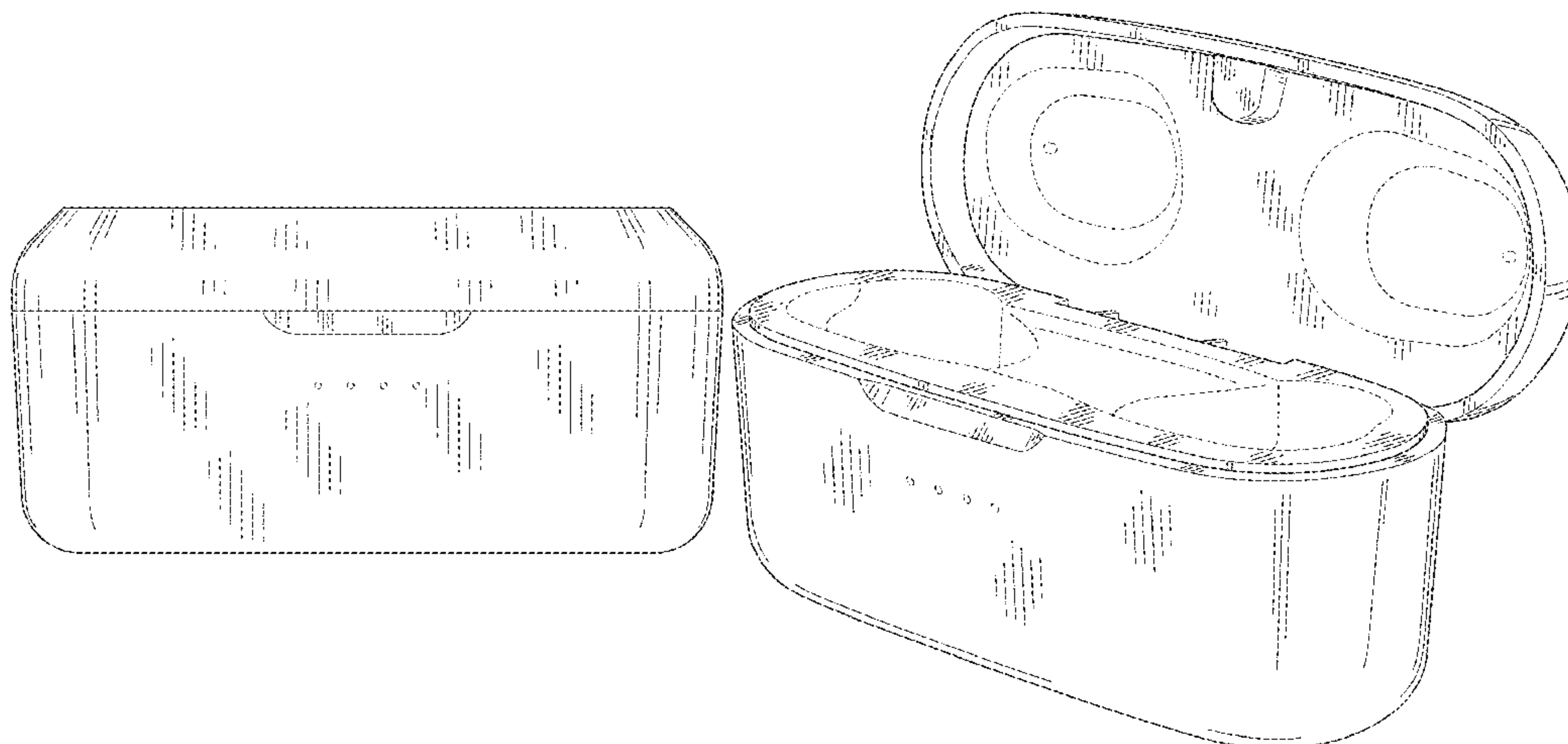
The ornamental design for a battery charger for earphone, as
shown and described.

DESCRIPTION

FIG. 1 is a right, front, and top perspective view of a battery
charger for earphone;
FIG. 2 is a left, front, and top perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof;
FIG. 7 is a left side elevational view thereof;
FIG. 8 is a right side elevational view thereof;
FIG. 9 is a right, front, and top perspective view thereof,
showing the state that the lid is opened;
FIG. 10 is a left, front, and top perspective view thereof,
showing the state that the lid is opened;
FIG. 11 is a front elevational view thereof, showing the state
that the lid is opened;
FIG. 12 is a rear elevational view thereof, showing the state
that the lid is opened;
FIG. 13 is a top plan view thereof, showing the state that the
lid is opened;
FIG. 14 is a bottom plan view thereof, showing the state that
the lid is opened;
FIG. 15 is a left side elevational view thereof, showing the
state that the lid is opened; and,
FIG. 16 is a right side elevational view thereof, showing the
state that the lid is opened.

The broken lines shown in the drawings illustrate portions of
the battery charger for earphone that form no part of the
claimed design.

1 Claim, 14 Drawing Sheets



(58) Field of Classification Search

CPC H02J 7/0011; H02J 7/0013; H02J 7/0054;
H02J 7/0055; H02J 7/0057; H02J 7/0034;
H02J 7/1423; Y02T 10/7005; Y02T
10/705; Y02T 10/7088; B60L 11/182
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D843,937	S	*	3/2019	Xiao	.....	D13/108
D864,110	S	*	10/2019	Yoshimura	.....	D3/294
D886,453	S	*	6/2020	Wright	.....	D3/294
D886,454	S	*	6/2020	Williamson	.....	D3/294
D886,455	S	*	6/2020	Williamson	.....	D3/294
D887,351	S	*	6/2020	Bonahoom	.....	D13/108
D892,045	S	*	8/2020	Zhang	.....	D26/51
D893,184	S	*	8/2020	Liu	.....	D3/294
D893,185	S	*	8/2020	Liu	.....	D3/294
D897,678	S	*	10/2020	Koh	.....	D3/294
D904,025	S	*	12/2020	Ma	.....	D3/294
D906,238	S	*	12/2020	Zhang	.....	D13/108
D908,084	S	*	1/2021	He	.....	D3/294
D908,617	S	*	1/2021	Briggs	.....	D3/274
D910,553	S	*	2/2021	Cramer	.....	D13/108
D911,027	S	*	2/2021	Liang	.....	D3/274
D911,274	S	*	2/2021	Ding	.....	D13/108
D913,223	S	*	3/2021	Li	.....	D3/294

D914,591	S	*	3/2021	Ganapathy	.....	D13/107
D918,138	S	*	5/2021	Ma	.....	D3/294
D922,946	S	*	6/2021	Chen	.....	D3/294
D924,798	S	*	7/2021	Ando	.....	D3/294
D927,417	S	*	8/2021	Sretovic	.....	D3/294
D930,361	S	*	9/2021	Jacobs	.....	D3/294
D931,206	S	*	9/2021	Briggs	.....	D3/294
D931,210	S	*	9/2021	Lee	.....	D3/294
D931,212	S	*	9/2021	Briggs	.....	D3/294
D932,427	S	*	10/2021	Schoeck	.....	D3/294
D932,428	S	*	10/2021	Reimann	.....	D3/294
D933,004	S	*	10/2021	Li	.....	D3/294
D933,006	S	*	10/2021	Zhao	.....	D14/223
D933,595	S	*	10/2021	Geng	.....	D3/294
D933,599	S	*	10/2021	Lee	.....	D24/217
D936,040	S	*	11/2021	Zhao	.....	D14/223
D936,358	S	*	11/2021	Lu	.....	D3/273
D940,069	S	*	1/2022	Ganapathy	.....	D13/107
D940,070	S	*	1/2022	Ganapathy	.....	D13/107
D940,073	S	*	1/2022	Yu	.....	D3/294
D941,762	S	*	1/2022	Ye	.....	D3/294
D942,381	S	*	2/2022	Ruan	.....	D3/294
D942,943	S	*	2/2022	Huang	.....	D3/294
D942,944	S	*	2/2022	Liao	.....	D3/294
D944,197	S	*	2/2022	Li	.....	D14/223
D944,524	S	*	3/2022	Laffon de Mazieres	.....	D3/294
D944,730	S	*	3/2022	Beedham	.....	D13/108
2020/0084532	A1	*	3/2020	Lo	.....	H02J 7/0044
2020/0099231	A1	*	3/2020	Nobre	.....	G06F 1/1632

* cited by examiner

Fig.1

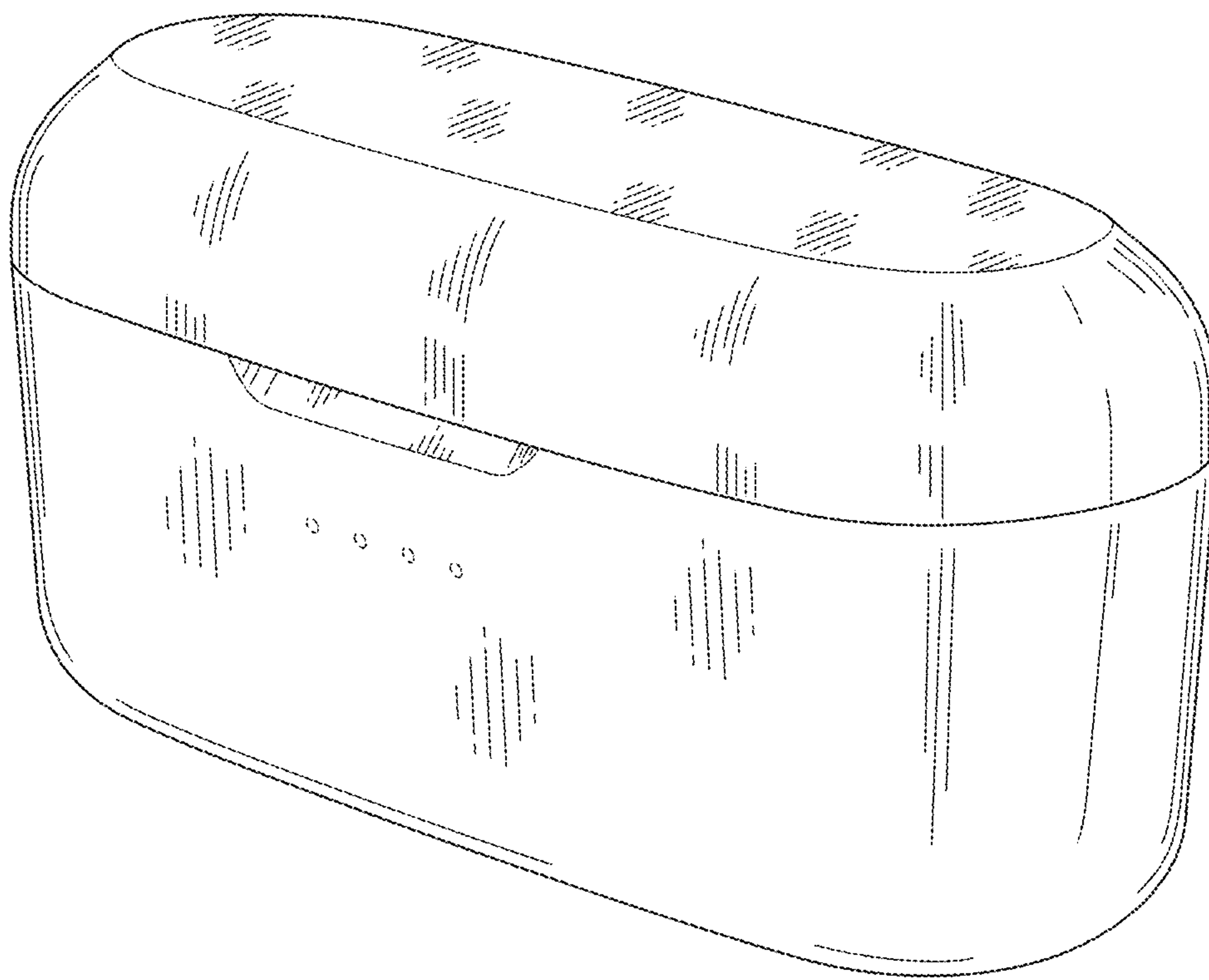


Fig.2

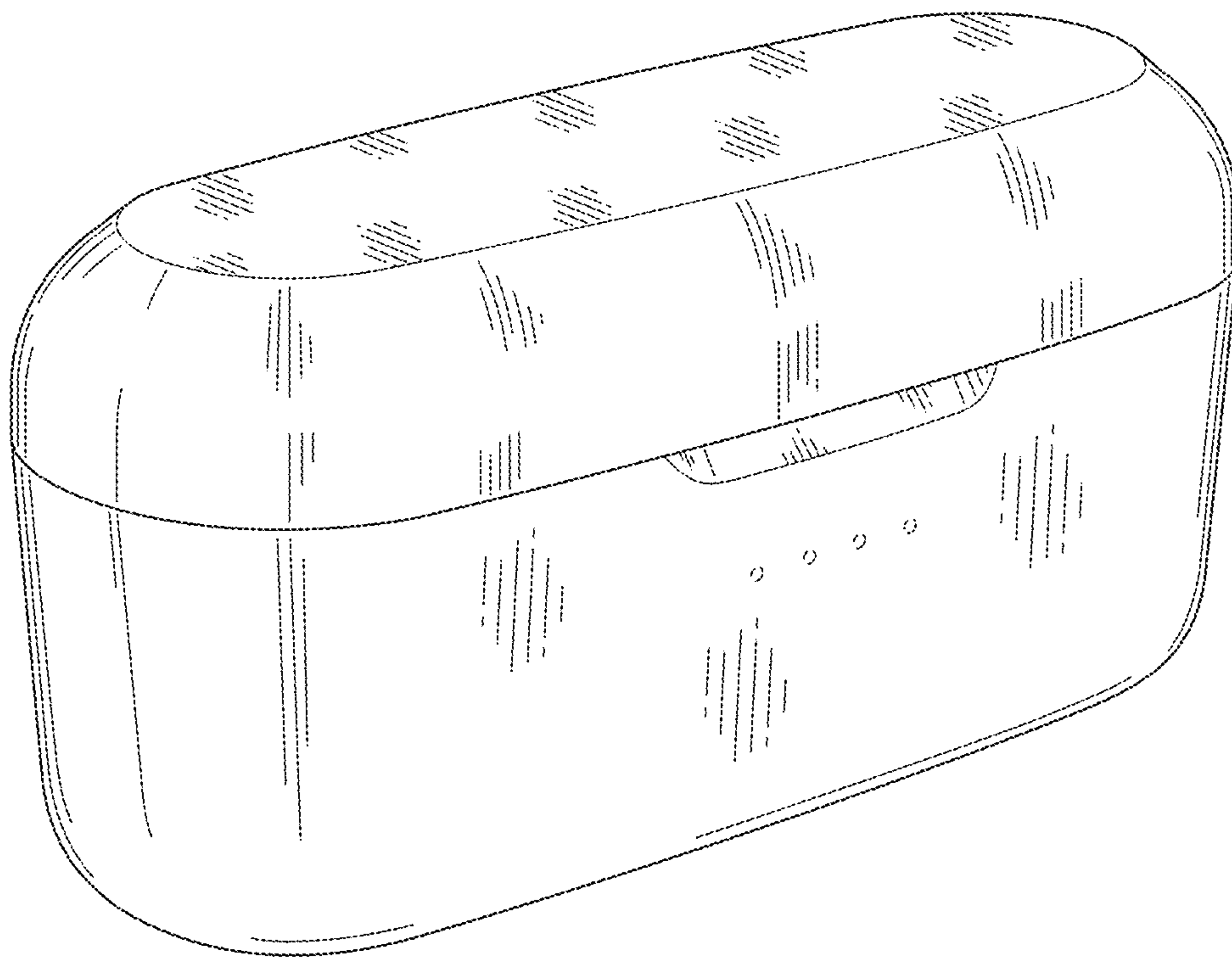


Fig.3

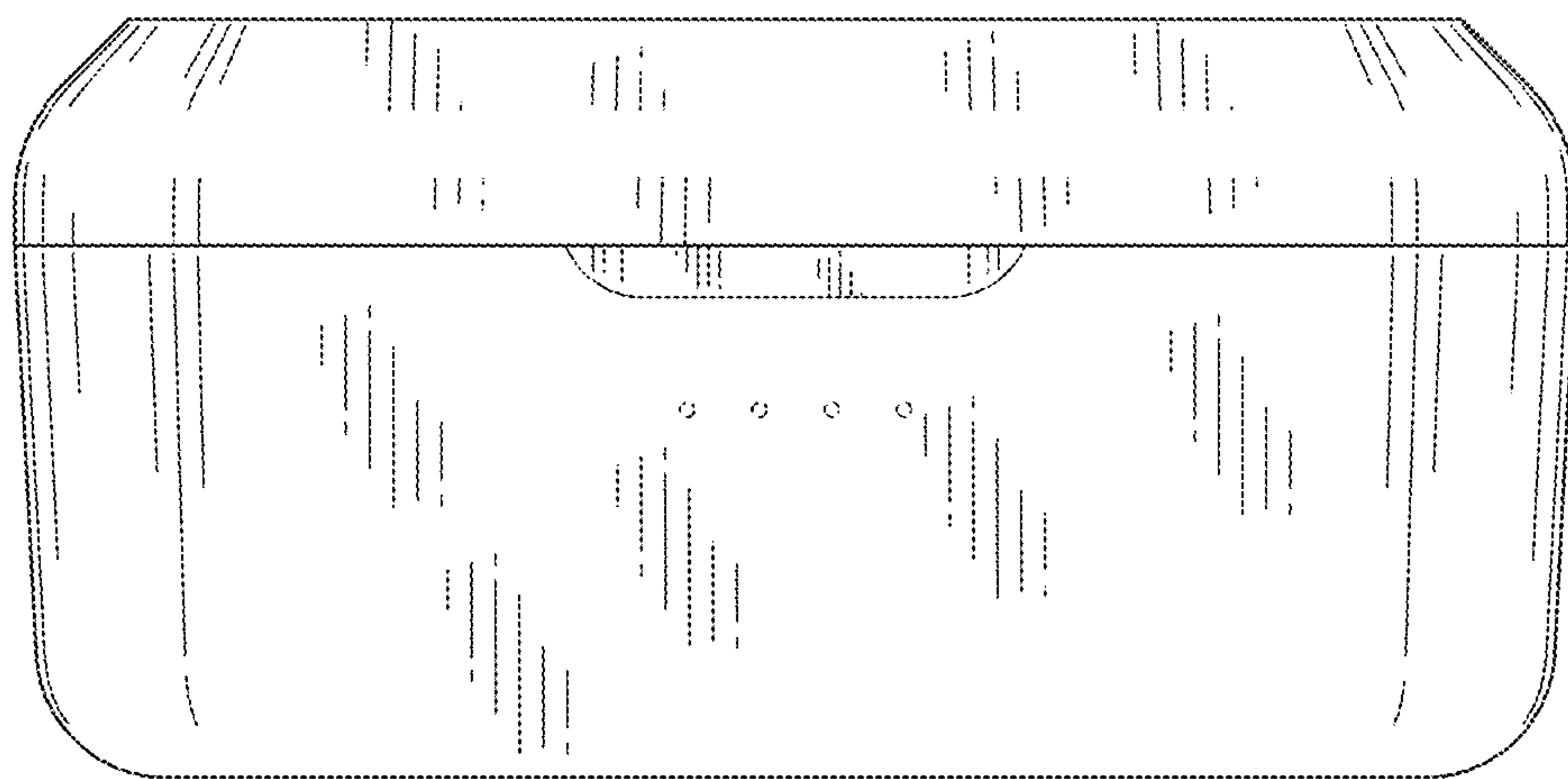


Fig.4

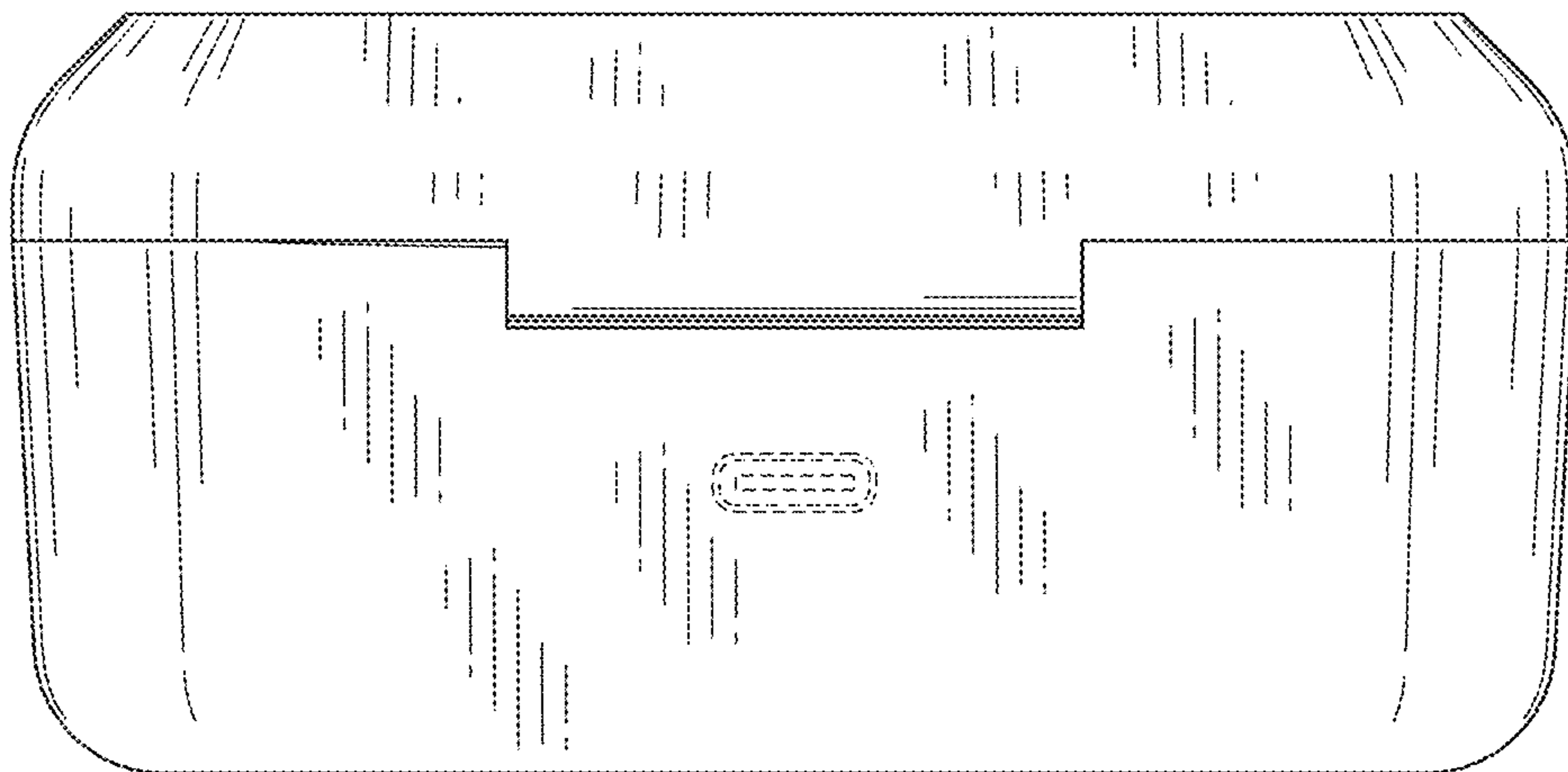


Fig.5

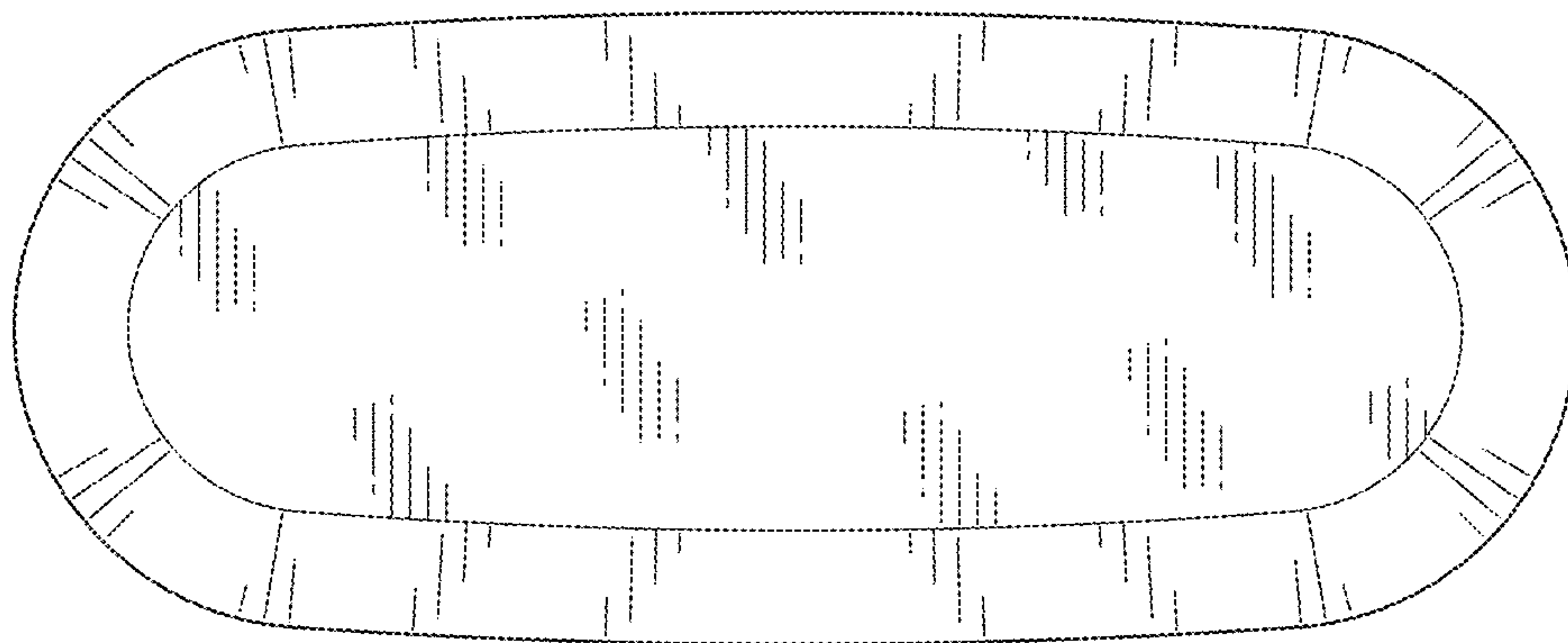


Fig.6

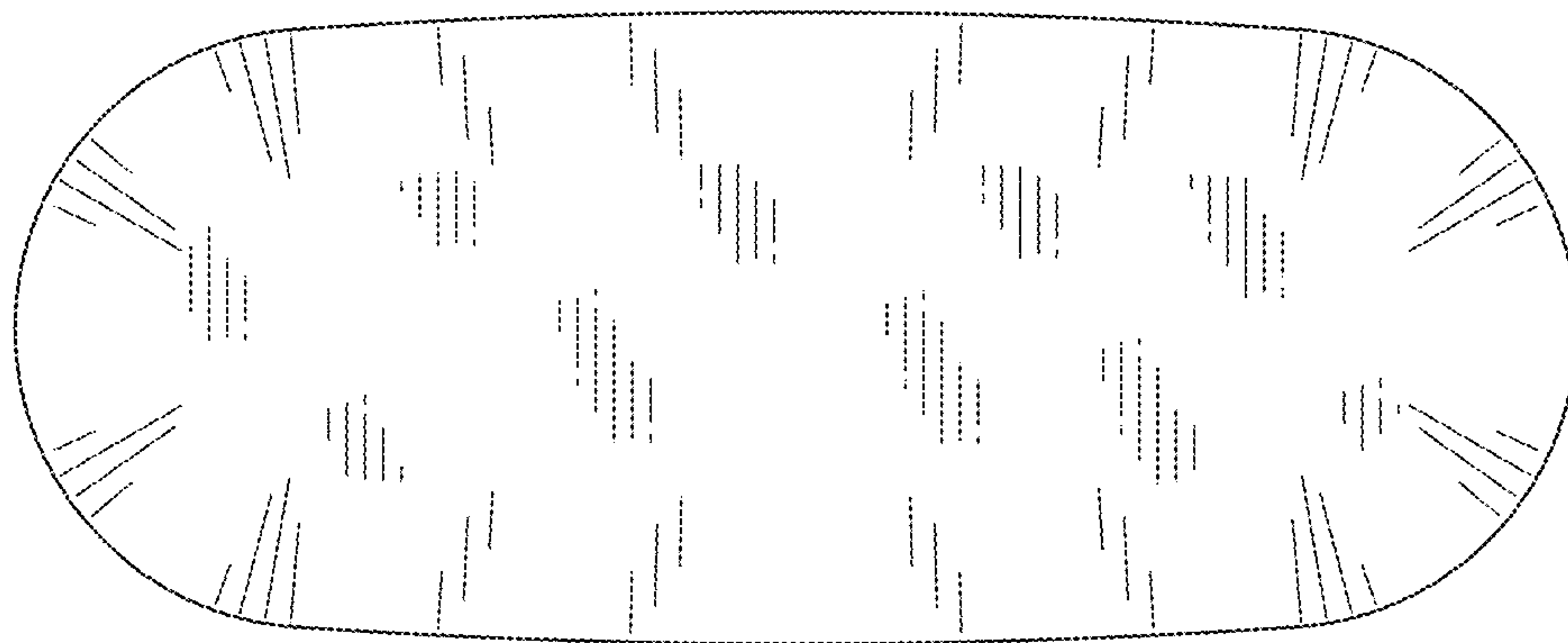


Fig.7

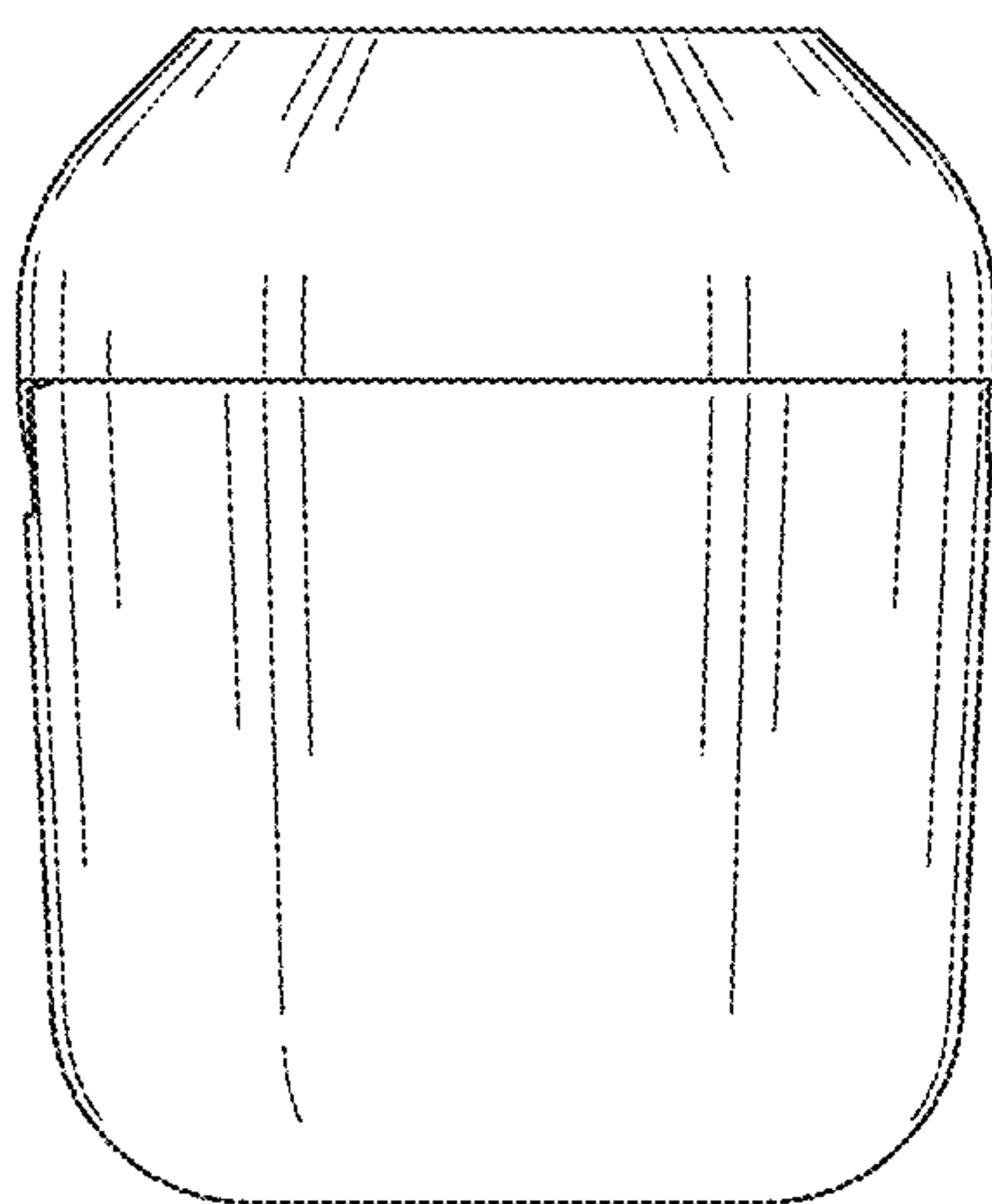


Fig.8

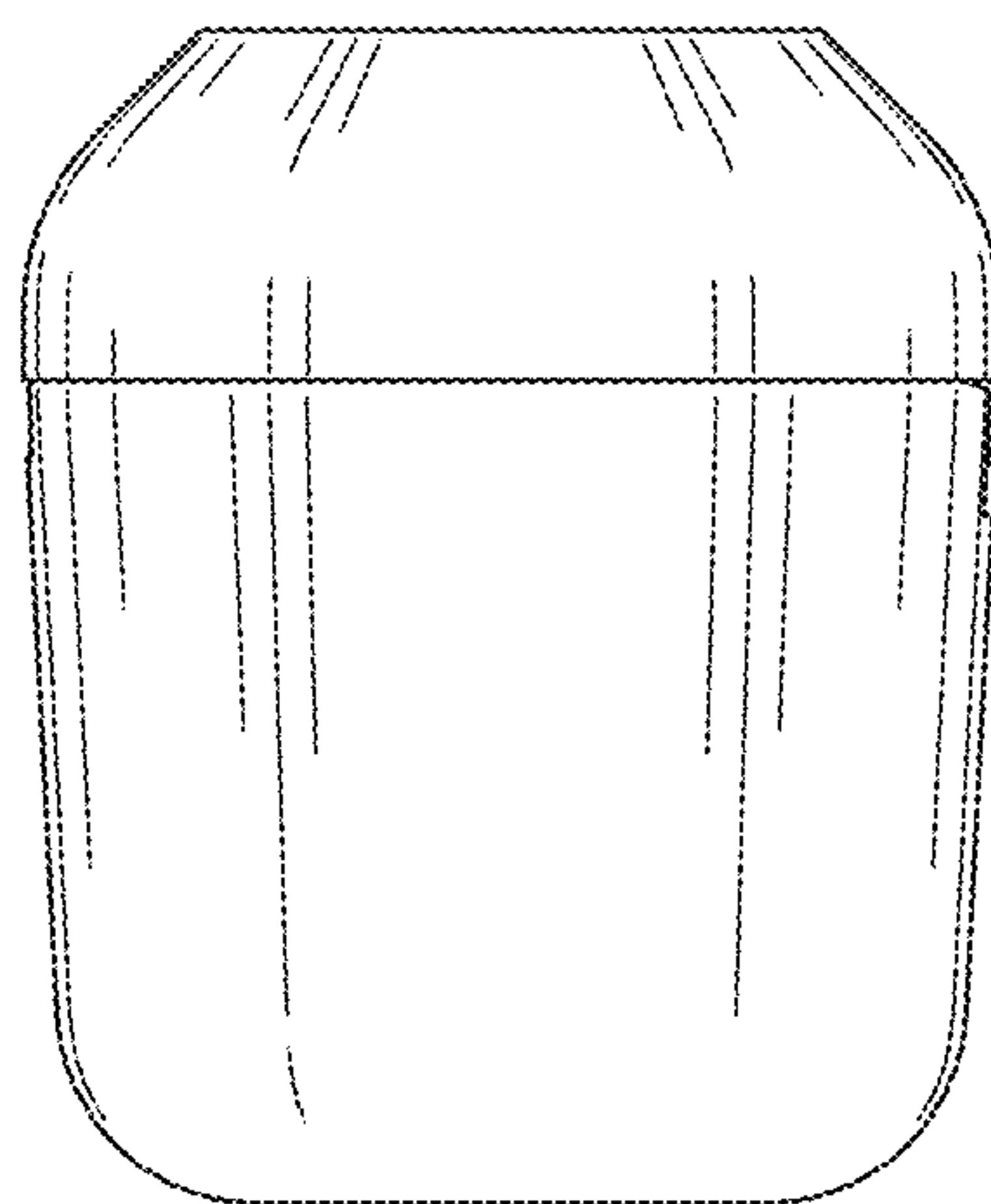


Fig.9

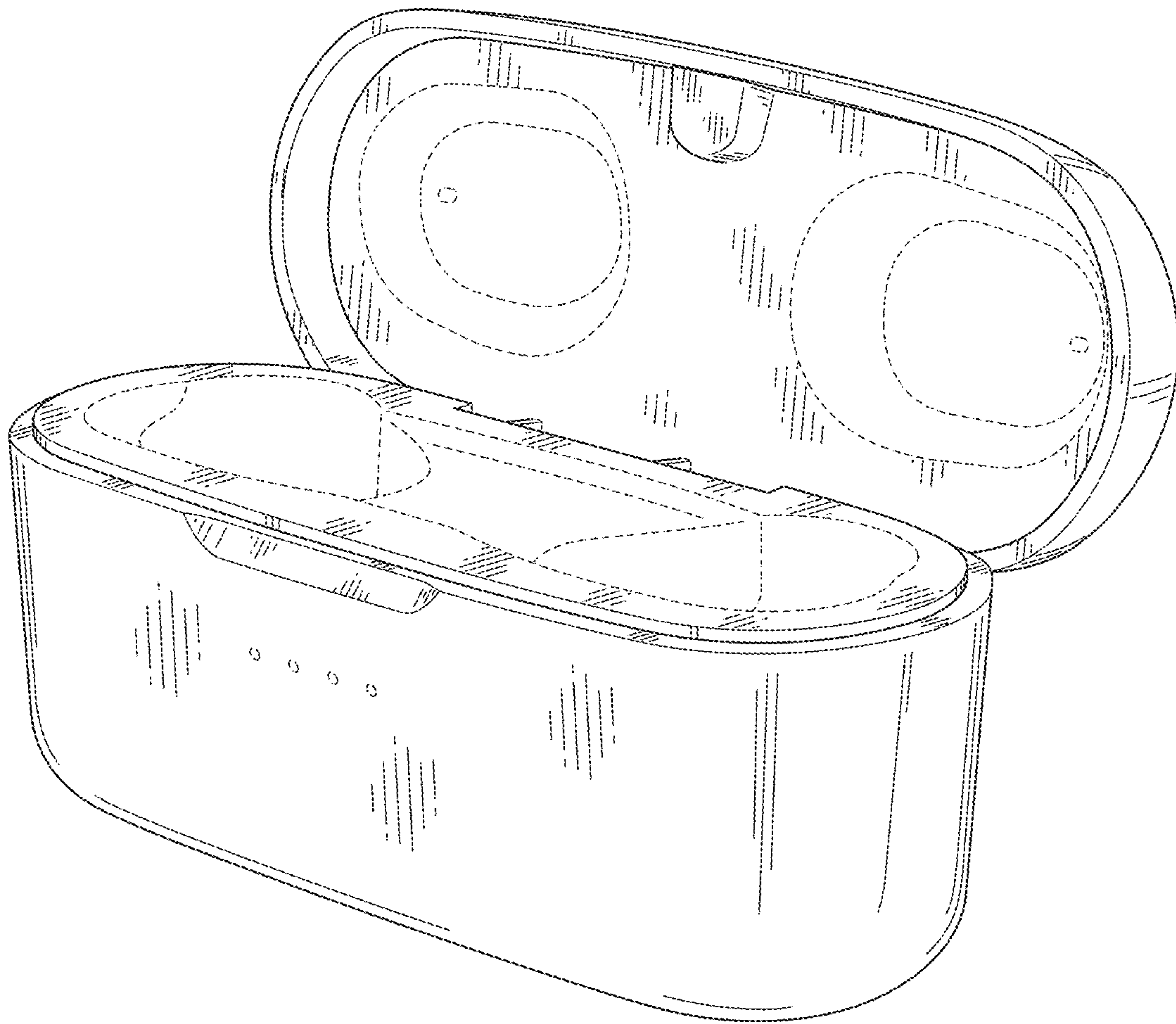


Fig.10

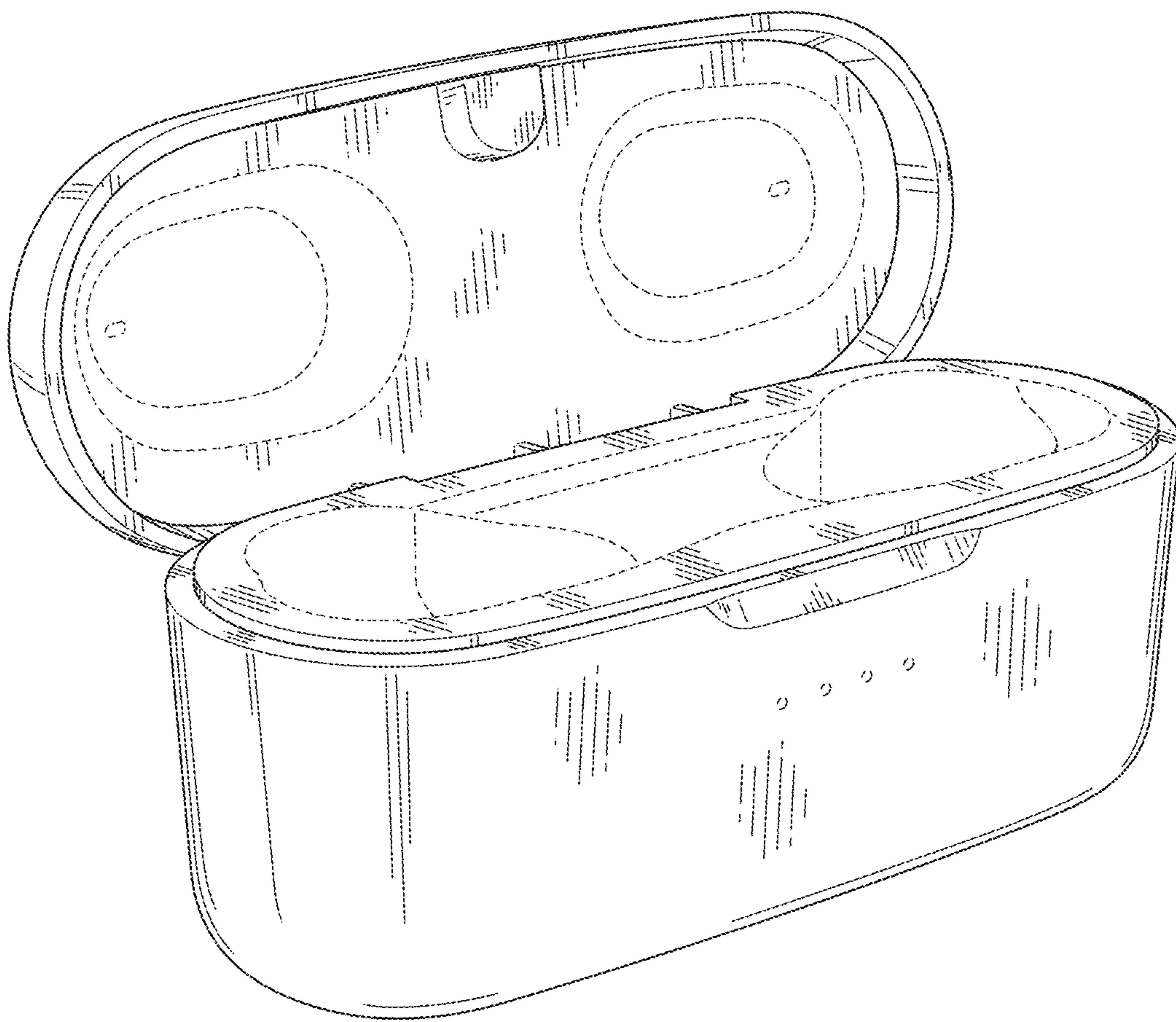


Fig. 11

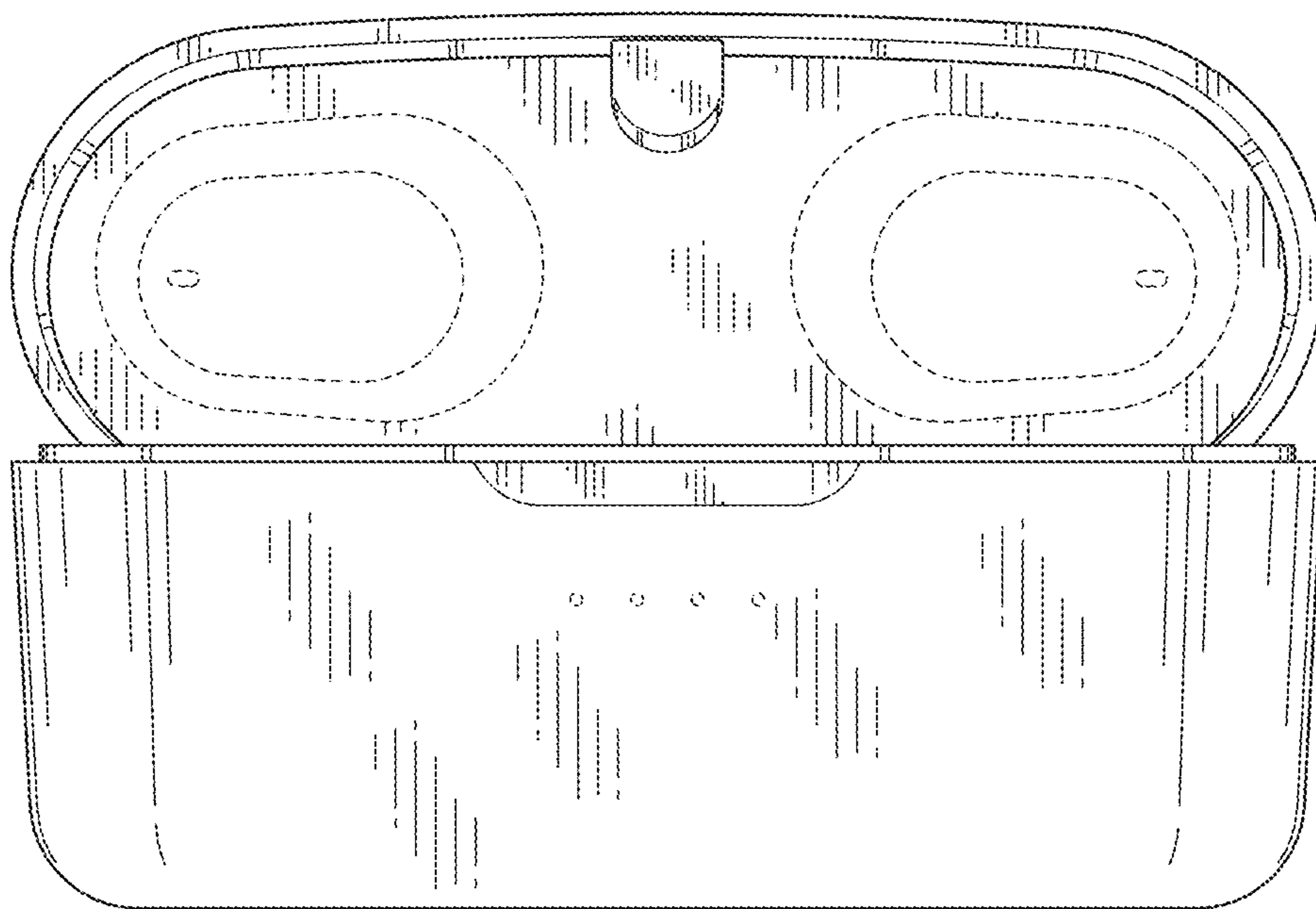


Fig.12

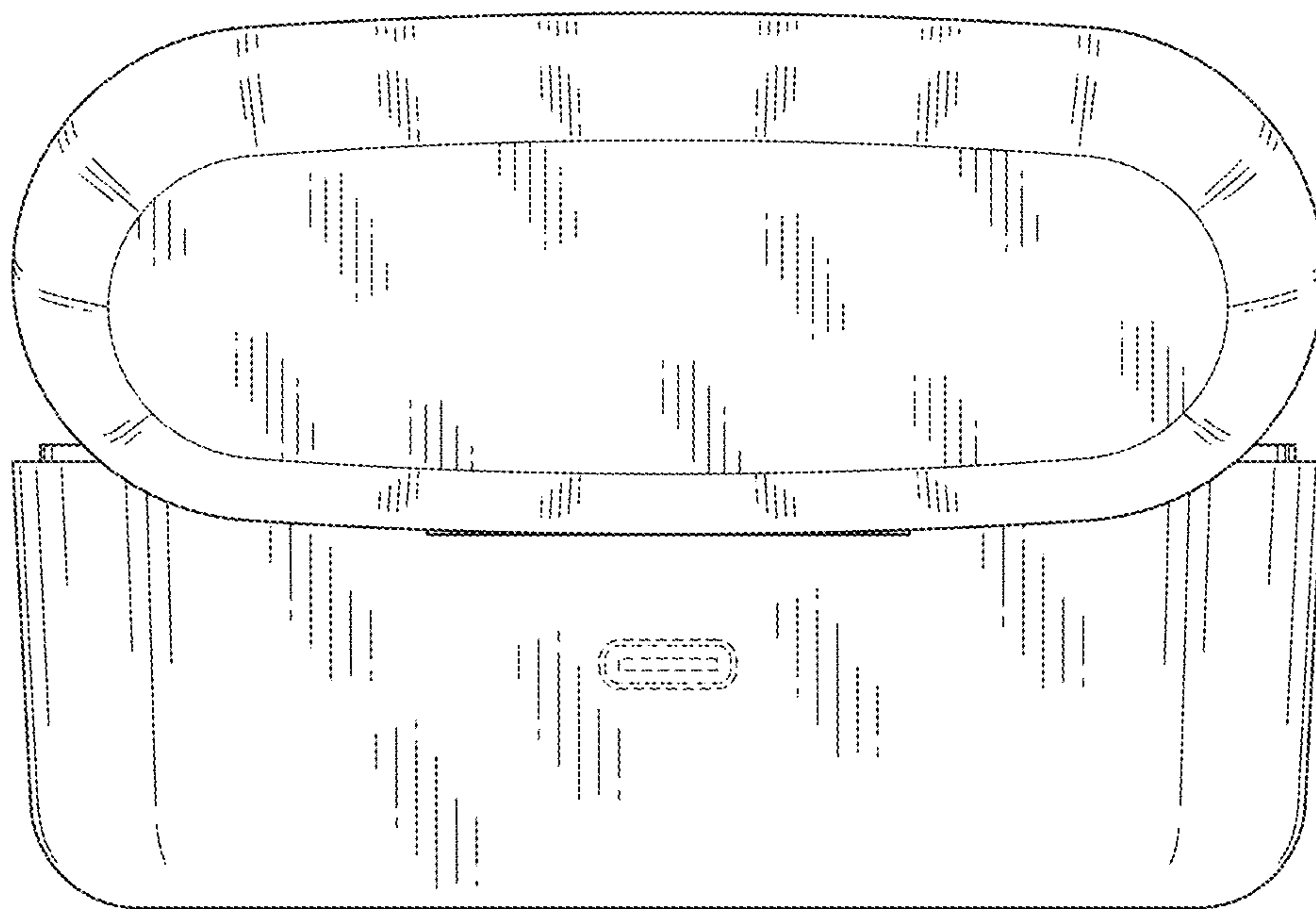


Fig.13

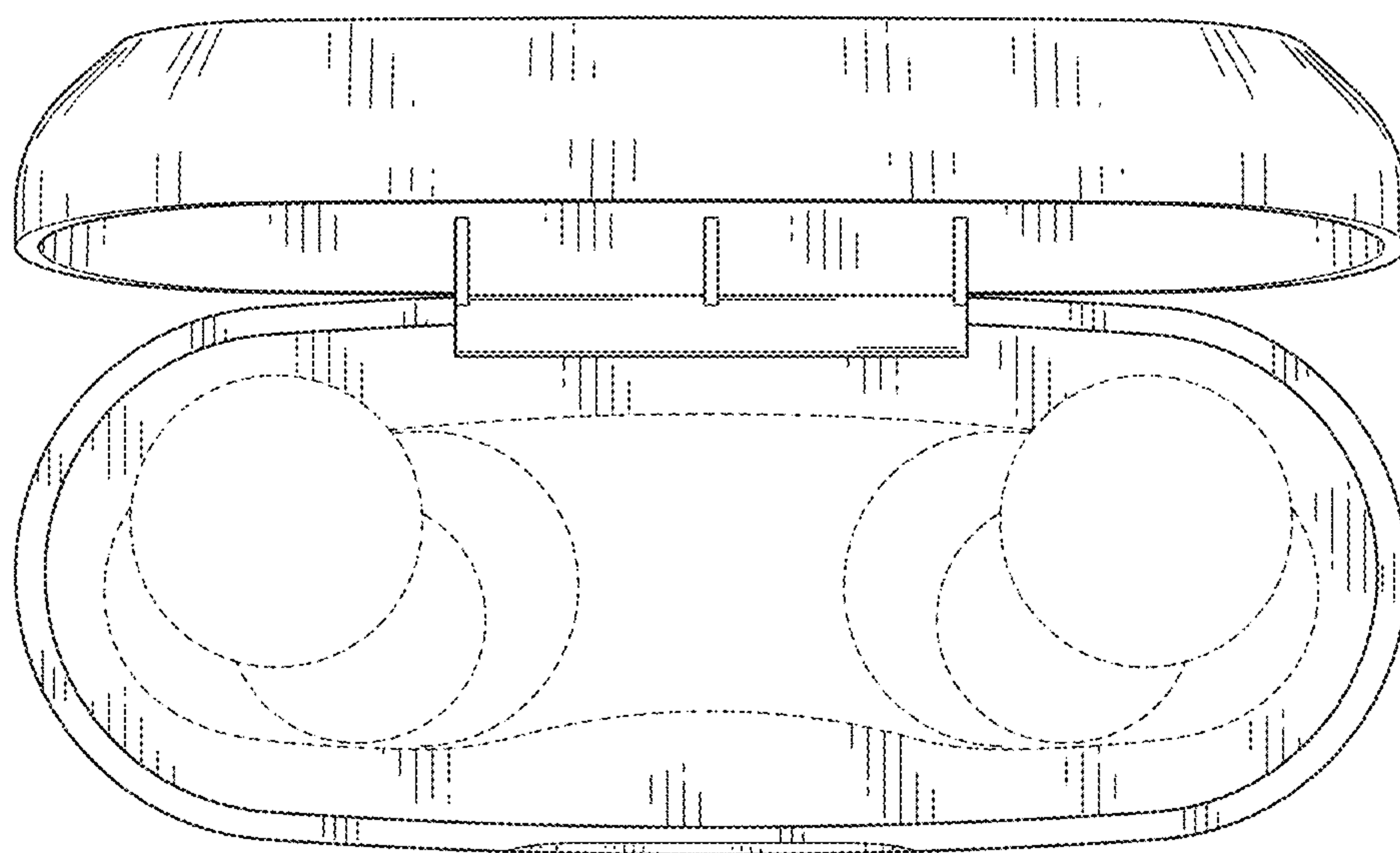


Fig.14

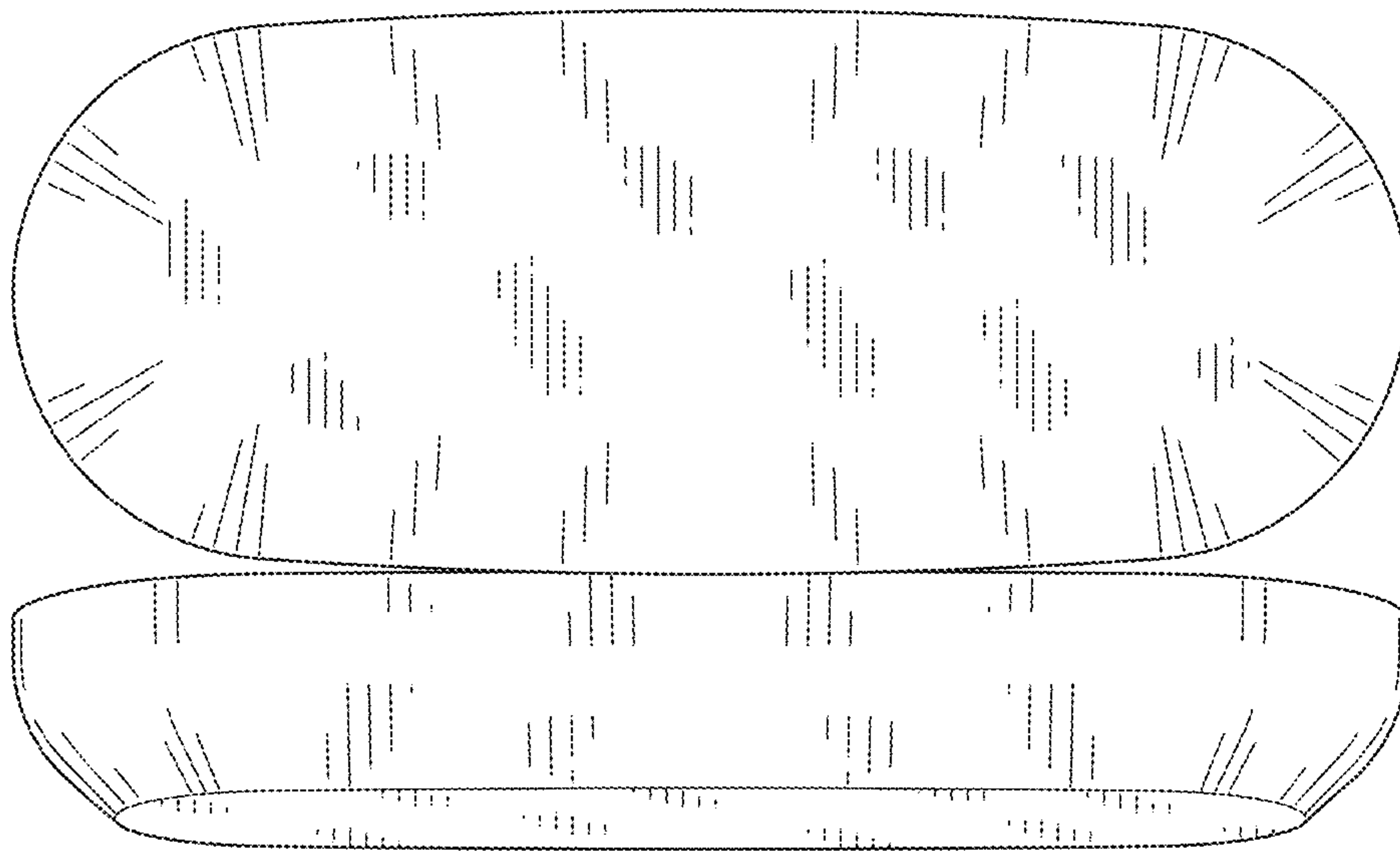


Fig.15

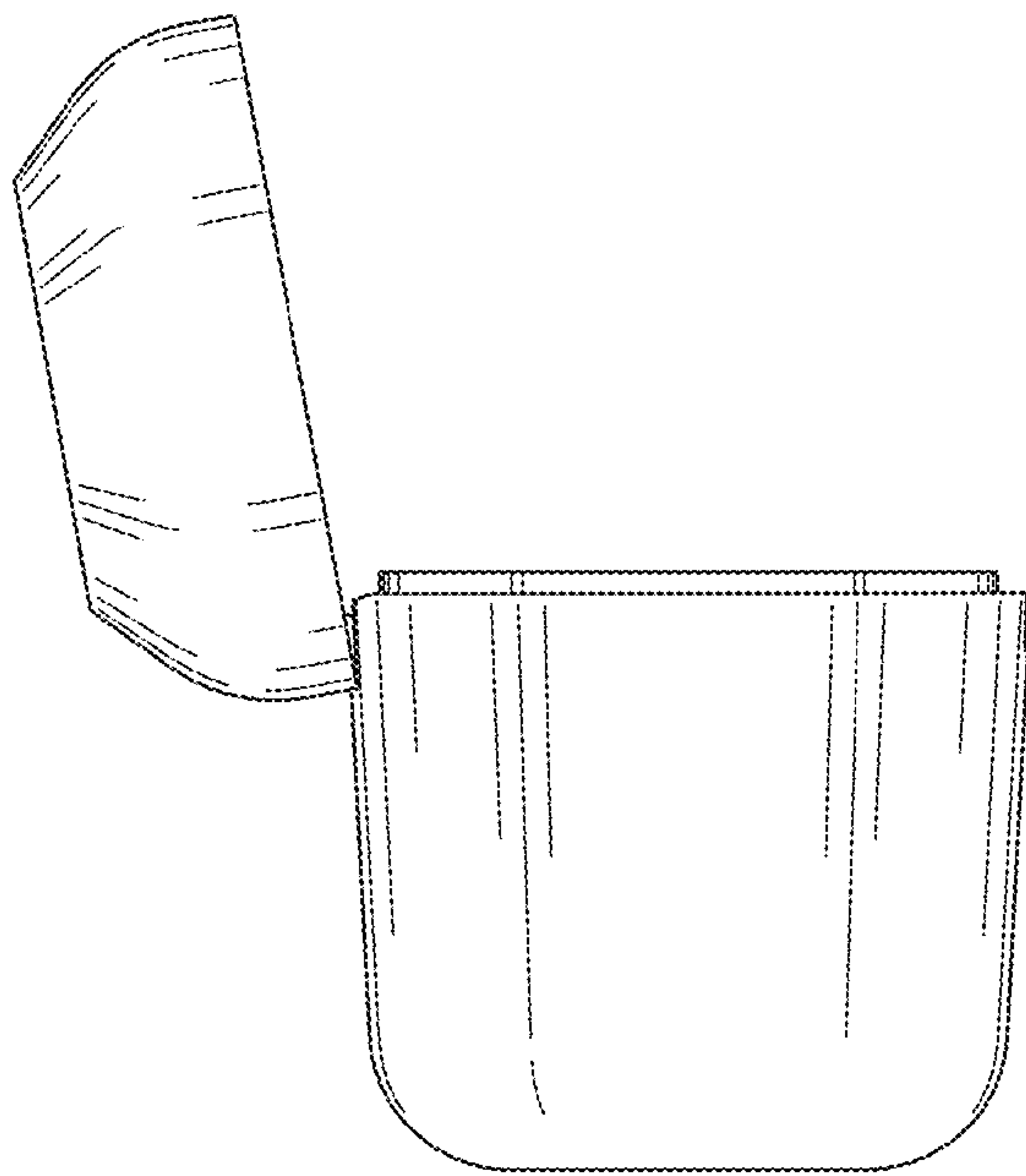


Fig.16

