



US00D966540S

(12) **United States Design Patent** (10) **Patent No.:** **US D966,540 S**
Cha (45) **Date of Patent:** **** Oct. 11, 2022**

(54) **HEAT PACK**

(71) Applicant: **AFROBA CO., LTD.**, Seoul (KR)

(72) Inventor: **Minho Cha**, Seoul (KR)

(73) Assignee: **Shin Textile Solutions Co., Ltd.**, Seoul (KR)

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

(21) Appl. No.: **29/770,191**

(22) Filed: **Feb. 10, 2021**

(51) **LOC (13) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/206**

(58) **Field of Classification Search**

USPC D24/200, 206–207, 186–187, 232, 133,
D24/209, 211–215, 188–192, 145–147,
D24/143, 164–169; D13/182; D4/121,
D4/127, 138, 199, 130–134, 147; D28/7,
D28/56–63; D8/90, 94; D32/35, 40;
D30/160; D29/121.1, 101.5, 122,
D29/100–102

CPC ... A61B 5/0478; A61B 5/0492; A61B 5/6803;
A61B 5/6814; A61B 17/00761; A61B
17/05; A61B 2017/320004; A61B 18/203;
A61B 2018/00452; A61B 2017/00747;
A61N 1/04; A61N 1/0404; A61N 1/0424;
A61N 1/0456; A61N 1/0476; A61N
1/0484; A61N 1/0492; A61N 1/0526;
A61N 1/36014; A61N 1/36017; A61N
1/18; A61N 2007/0034; A61N 2005/0644;
A61N 2005/0662; A61N 5/0616; A61H
2201/1253; A61H 23/0263; A61H 7/00;
A61H 35/006; A61H 7/002; A61H 7/003;
A61H 7/005; A61H 2205/022; A61H
2201/1692; A61H 7/001; A61H 7/004;
A61H 7/007; A61H 7/008; A61H 15/00;
A61H 715/0078; A61H 15/0085; A61H
2015/0007; A61H 2015/0042; A61H
2015/005; A61H 2015/0071; A61H
39/002;

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D462,150 S * 8/2002 Rader D32/40
6,440,159 B1 * 8/2002 Edwards A61F 7/02
607/108

(Continued)

FOREIGN PATENT DOCUMENTS

WO D214730-001 * 2/2021

OTHER PUBLICATIONS

Hydraheat Hot Pack Neck Contour/Cervical Hot Pack, balego.com,
[online], [site visited May 18, 2022], Available from internet URL:
<https://balego.com/index.php/product/hydraheat-hot-pack-neck-contourcervical-hot-pack-17-x-11-43-x-28-cm/> (Year: 2022).*

(Continued)

Primary Examiner — Samantha Q Lawrence
Assistant Examiner — Holly M Rodriguez
(74) *Attorney, Agent, or Firm* — Brooks, Cameron &
Huebsch, PLLC

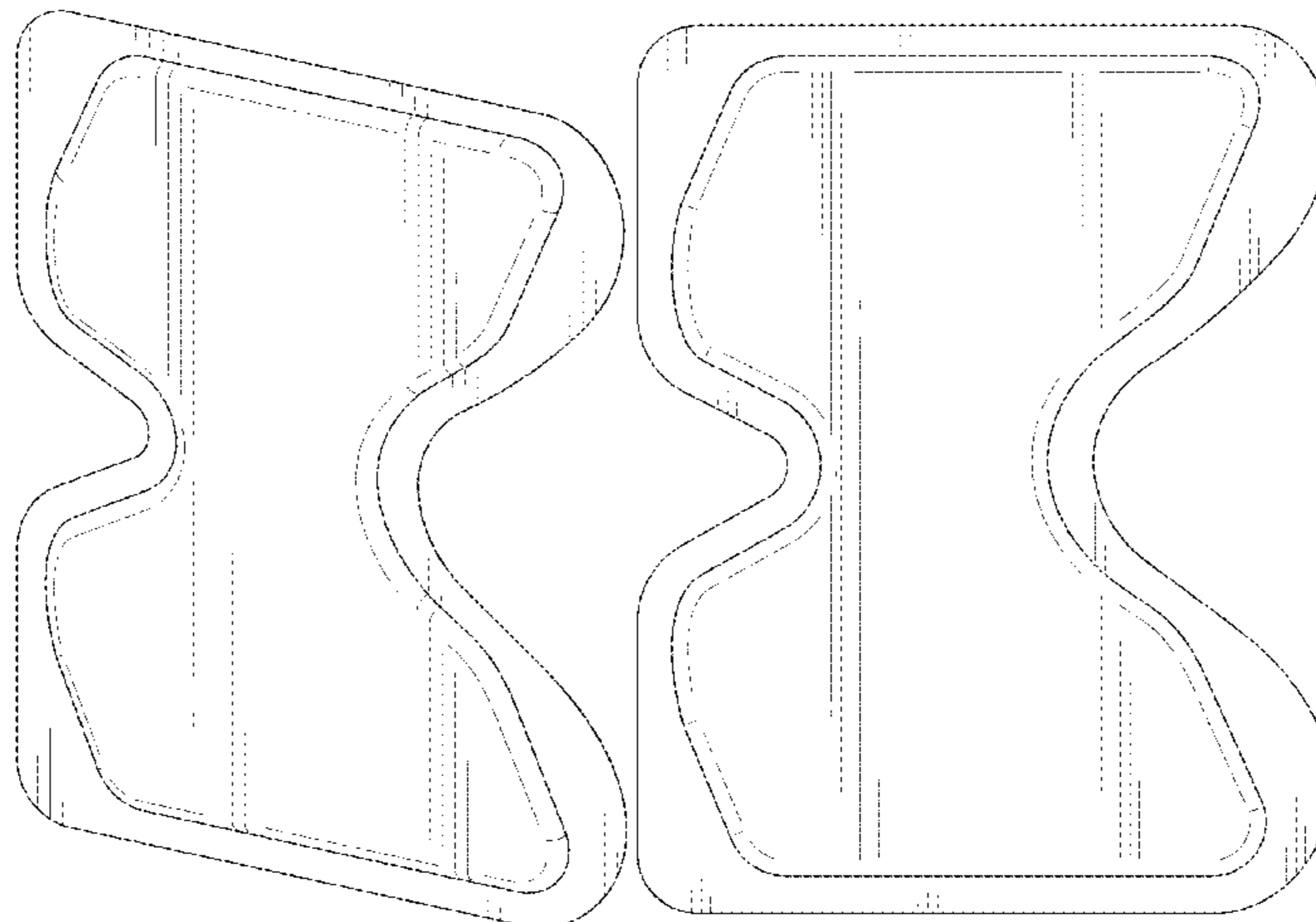
(57) **CLAIM**

The ornamental design for a heat pack, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a heat pack, 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 view thereof; and,
FIG. 7 is a bottom view thereof.

1 Claim, 5 Drawing Sheets



(58) **Field of Classification Search**

CPC A61H 2201/10; A61H 15/0092; A61H 2201/0153; A61H 2015/0014; A61H 39/04; A45D 29/00; A45D 29/17; A61G 12/124; A61F 13/38; A61F 2005/0172; A61F 5/0109; A61F 5/0123; A61F 13/085; A61F 2002/30024; A61F 2002/5055; A61F 2002/5056; A61F 2002/7818; A61F 2002/785; A61F 2005/0137; A61F 2005/0169; B23D 67/12; B23D 69/00; A47K 7/00; A47K 7/02; A47K 7/002; A47K 7/04; A47K 7/03; A46B 2200/102; A46B 5/0095; A46B 7/08; Y10S 601/01; Y10S 601/03; Y10S 601/04; Y10S 601/05; Y10S 601/14; Y10S 601/15

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D528,206 S * 9/2006 Bierman D24/189
 D574,085 S * 7/2008 Lucchetti D24/189
 D583,958 S * 12/2008 Usui D24/206
 D642,332 S * 7/2011 Kim D28/7

D663,834 S * 7/2012 Kyvik D24/128
 8,281,451 B2 * 10/2012 Adams A47L 13/20
 15/228
 D679,823 S * 4/2013 Daniels D24/206
 D681,840 S * 5/2013 Chen D24/206
 D793,567 S * 8/2017 Cotton D24/189
 D821,594 S * 6/2018 Davidson D24/211
 D851,270 S * 6/2019 Biser D24/206
 D865,193 S * 10/2019 Matsushita D24/200
 D875,264 S * 2/2020 Katz D24/200
 D927,006 S * 8/2021 Cran D24/200
 D932,033 S * 9/2021 Zulkosky D24/190
 D951,468 S * 5/2022 Yu D24/214
 D951,469 S * 5/2022 Yu D24/214

OTHER PUBLICATIONS

Spiral Heat Back/Neck Flexible Heat Patches, [hansaplast.com/](https://int.hansaplast.com/), [online], [site visited May 18, 2022], Available from internet URL: <https://int.hansaplast.com/products/muscle-joint-and-back-pain/spiral-heat-backneck> (Year: 2022).*

Mrjoint Knee Relief Patches Kit, first available Sep. 18, 2021, [amazon.com](https://www.amazon.com/Mrjoint-Patches-Wormwood-Extract-Sticker/dp/B09GKG8GFJ), [online], [site visited May 18, 2022], Available from internet URL: <https://www.amazon.com/Mrjoint-Patches-Wormwood-Extract-Sticker/dp/B09GKG8GFJ> (Year: 2021).*

* cited by examiner

FIG. 1

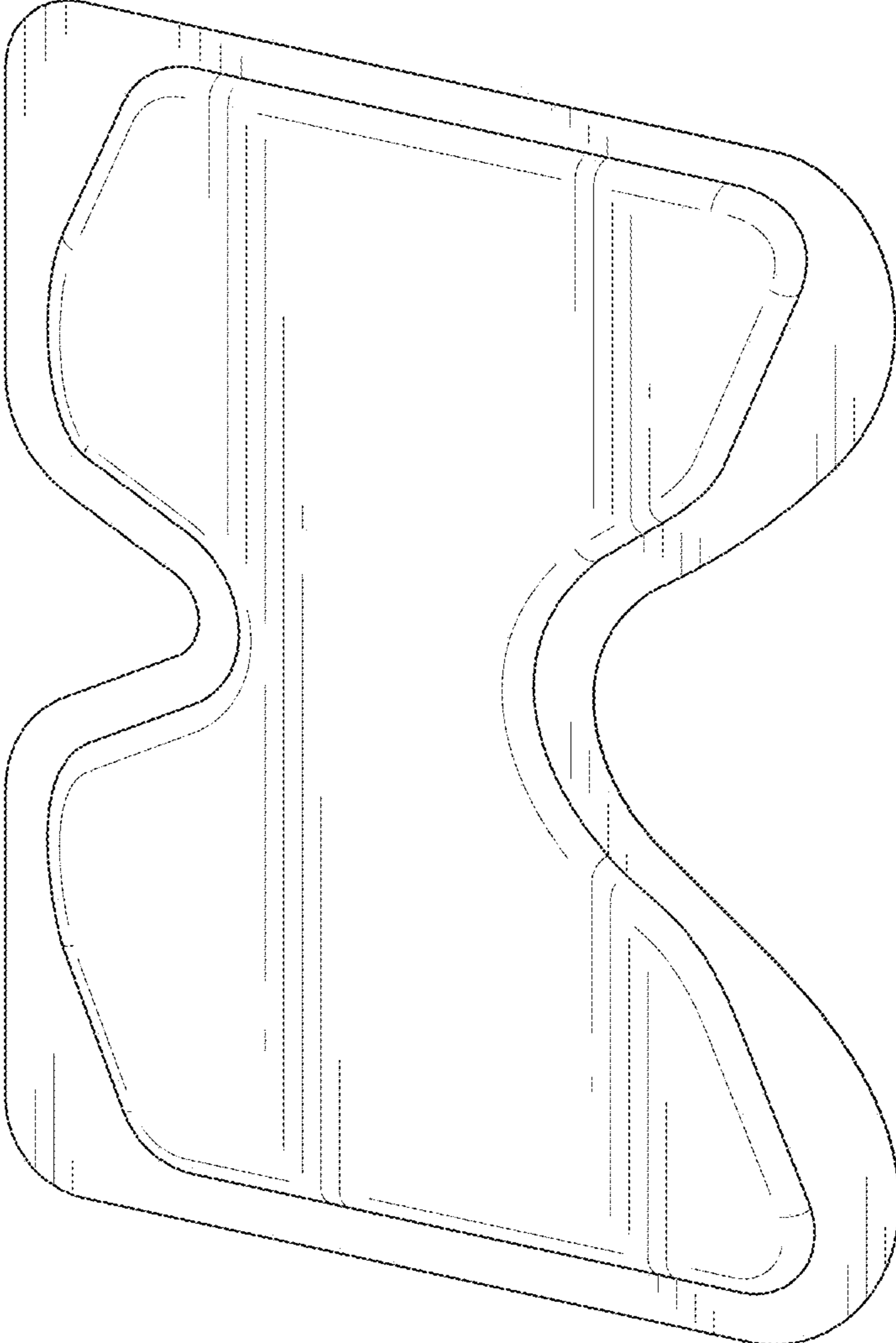


FIG. 2

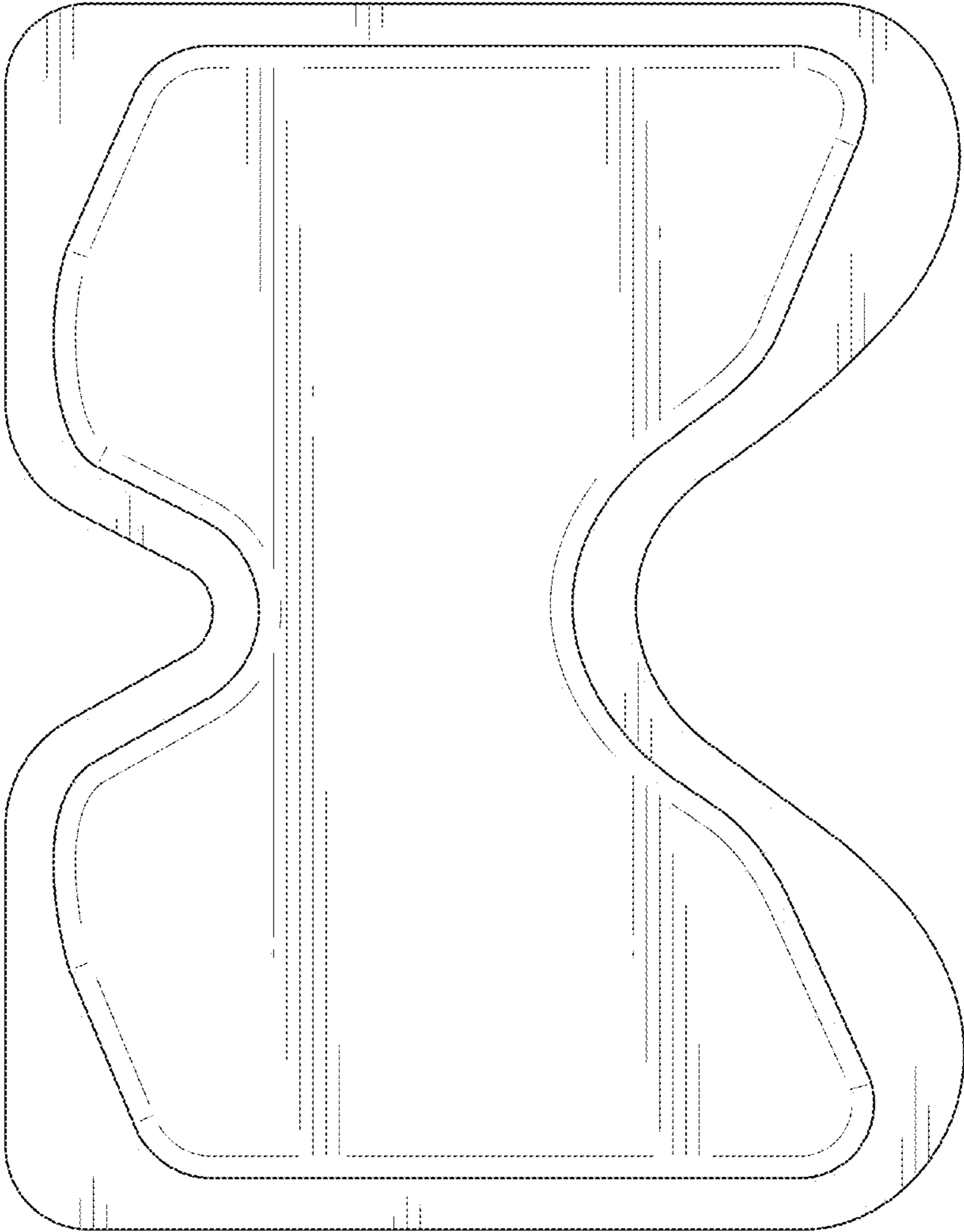


FIG. 3

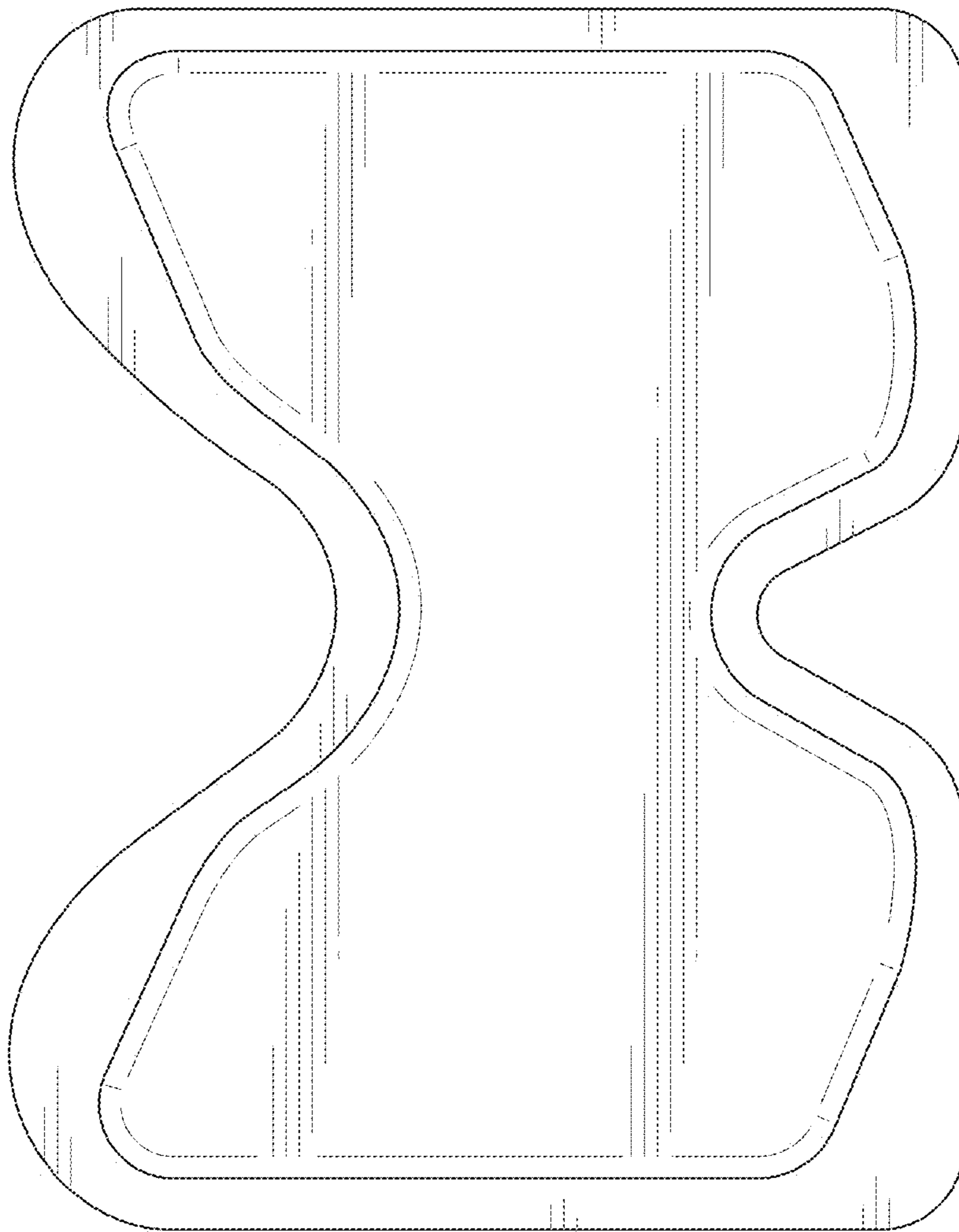


FIG. 4

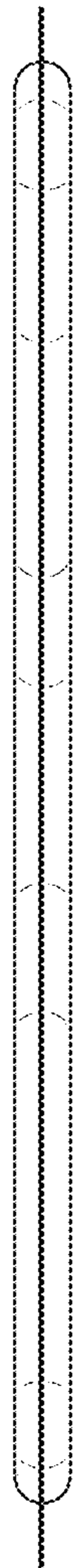


FIG. 5



FIG. 6

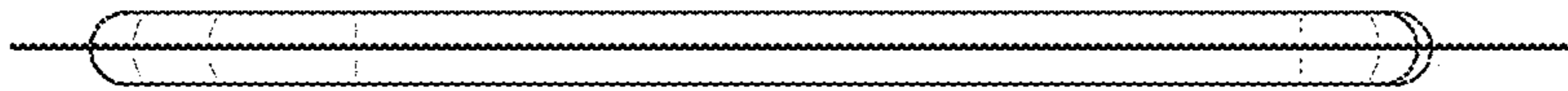


FIG. 7

