

US0D1074930S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,074,930 S**
Coppes et al. (45) **Date of Patent:** **** May 13, 2025**

(54) **MANIFOLD FOR FLUID SYSTEM
MANAGEMENT**

(71) Applicant: **Advanced Drainage Systems, Inc.,**
Hilliard, OH (US)

(72) Inventors: **Bryan Coppes**, Old Saybrook, CT
(US); **Alexander Shain**, Lyme, CT
(US)

(73) Assignee: **Advanced Drainage Systems, Inc.,**
Hilliard, OH (US)

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

(21) Appl. No.: **29/868,621**

(22) Filed: **Dec. 8, 2022**

(51) **LOC (15) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/233**

(58) **Field of Classification Search**
USPC D23/214, 233, 259, 263, 265, 266;
D10/96; D15/5; D24/129
CPC E03F 1/002; E03F 1/005; B65B 3/003;
B65B 3/02; B65B 1/04; B65B 3/04;
E02B 11/005; E02B 11/00; C02F 1/004
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D243,635	S	*	3/1977	Miller		D24/129
D250,658	S	*	12/1978	Fetty		D23/233
D281,323	S	*	11/1985	Overcash		D15/5
4,880,333	A		11/1989	Glasser et al.		
5,916,104	A	*	6/1999	Lucenet		E02B 11/00 52/794.1
6,048,131	A		4/2000	Laak		
6,485,647	B1		11/2002	Potts		
6,531,063	B1		3/2003	Rose		
6,659,687	B1		12/2003	Donlin et al.		

D487,147	S	*	2/2004	Ellingboe		D24/129
6,726,401	B1		4/2004	Potts		
6,814,866	B1		11/2004	Potts		
6,869,533	B2		3/2005	Norgaard		
6,887,383	B2		5/2005	Potts		
6,923,905	B2		8/2005	Potts		
6,959,882	B1		11/2005	Potts		
6,969,464	B1		11/2005	Potts		
D532,082	S	*	11/2006	Cimbura		D23/233
D533,193	S	*	12/2006	Cimbura		D23/233
7,157,011	B1		1/2007	Potts		
D544,500	S	*	6/2007	Nimberger		D15/5
D546,947	S	*	7/2007	Nalagatla		D24/129
7,309,434	B2		12/2007	Potts		
7,351,005	B2		4/2008	Potts		
7,374,670	B2		5/2008	Potts		

(Continued)

Primary Examiner — Bao-Yen T Nguyen

Assistant Examiner — Amanda J Berlinski

(74) *Attorney, Agent, or Firm* — FINNEGAN,
HENDERSON, FARABOW, GARRETT & DUNNER
L.L.P.

(57) **CLAIM**

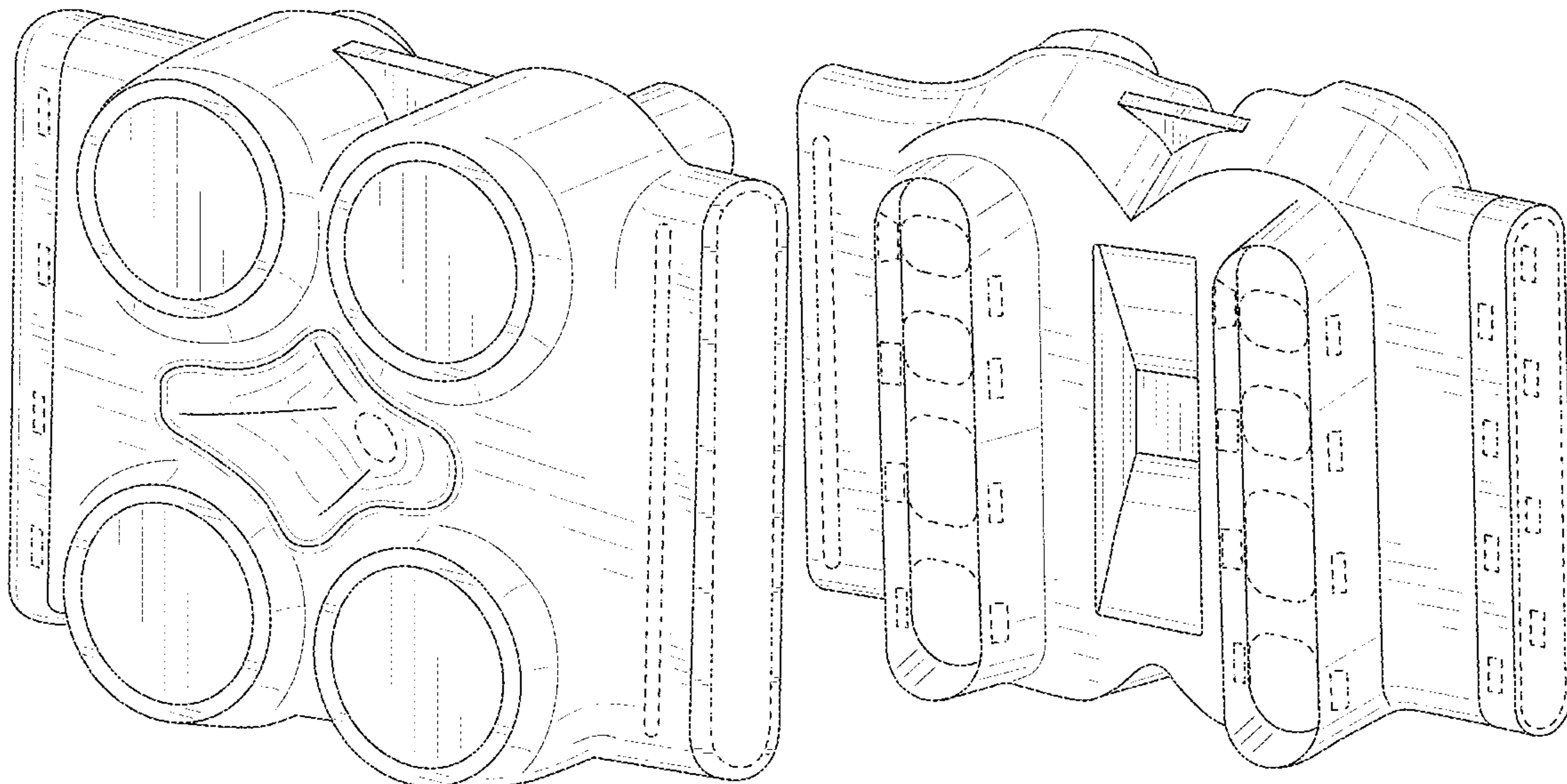
The ornamental design for a manifold for fluid system management, as shown and described.

DESCRIPTION

FIG. 1 is a top right front perspective view for a manifold for fluid system management, showing the new design;
FIG. 2 is a top left rear perspective thereof;
FIG. 3 is a front elevation view thereof;
FIG. 4 is a rear elevation view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof; and,
FIG. 7 is a side view thereof, and the opposite side view is a mirror image thereof.

The broken lines of even length illustrate portions of the manifold for fluid system management and form no part thereof.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,384,212 B2

6/2008

Currivan

7,465,390 B2

12/2008

Potts

7,614,822 B1

11/2009

Burritt et al.

7,744,759 B1

6/2010

Potts

7,762,740 B1

7/2010

Burritt et al.

8,007,201 B2

8/2011

Currivan

8,104,994 B1

1/2012

Donlin

8,142,106 B2

3/2012

Couch et al.

D659,714 S *

5/2012

Gieske D15/5

D685,906 S *

7/2013

Dale D24/129

8,617,390 B2

12/2013

Potts

8,636,444 B2

1/2014

Currivan

D698,827 S *

2/2014

Hill D15/5

8,727,662 B2

5/2014

Laudano et al.

8,777,515 B1

7/2014

Donlin

8,834,727 B2

9/2014

Potts

D732,141 S *

6/2015

Salas D23/214

9,174,863 B2

11/2015

Potts

9,403,692 B2

8/2016

Potts

9,650,271 B2

5/2017

Potts

9,656,892 B2

5/2017

Potts

D802,718 S *

11/2017

Kainuma D23/233

9,809,941 B1

11/2017

Donlin

D804,341 S *

12/2017

Rowland D24/111

10,065,875 B2

9/2018

Potts

10,189,722 B2

1/2019

Potts

10,287,197 B2

5/2019

Potts

10,371,287 B2

8/2019

Potts et al.

10,392,278 B2

8/2019

Potts

10,519,053 B2

12/2019

Potts et al.

10,550,561 B2

2/2020

Potts et al.

10,655,316 B1

5/2020

Currivan

D890,301 S *

7/2020

Kempf D23/233

D896,350 S *

9/2020

Warner D23/259

D897,496 S *

9/2020

Yoshimura D23/233

10,900,214 B2

1/2021

Currivan

10,906,825 B2

2/2021

Potts

11,059,732 B2

7/2021

Potts et al.

11,254,587 B1

2/2022

Donlin et al.

D957,587 S *

7/2022

Downie D23/209

D979,712 S *

2/2023

Garcia D23/233

2003/0219310 A1 *

11/2003

Burnes E03F 1/003
405/47

2008/0202999 A1

8/2008

Potts

2008/0203002 A1

8/2008

Potts

2009/0071884 A1

3/2009

Potts

2009/0145830 A1

6/2009

Couch et al.

2010/0140188 A1

6/2010

Potts

2013/0078038 A1

3/2013

Potts

2013/0306570 A1

11/2013

Potts

2016/0362319 A1

12/2016

Potts

2021/0155517 A1

5/2021

Potts

2022/0018109 A1

1/2022

Potts

2023/0243142 A1 *

8/2023

Miller E03F 1/005
405/36

* cited by examiner

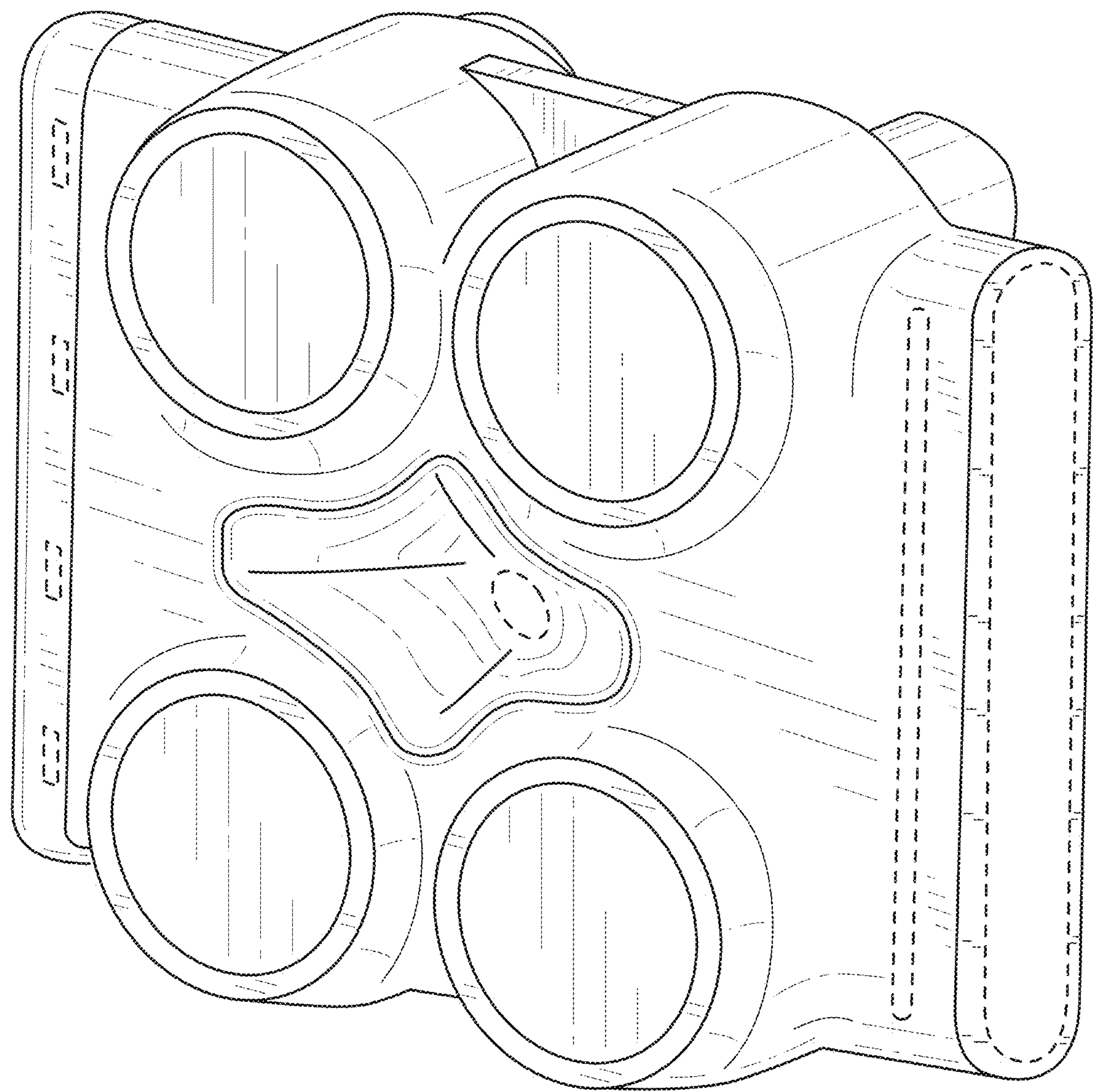


FIG. 1

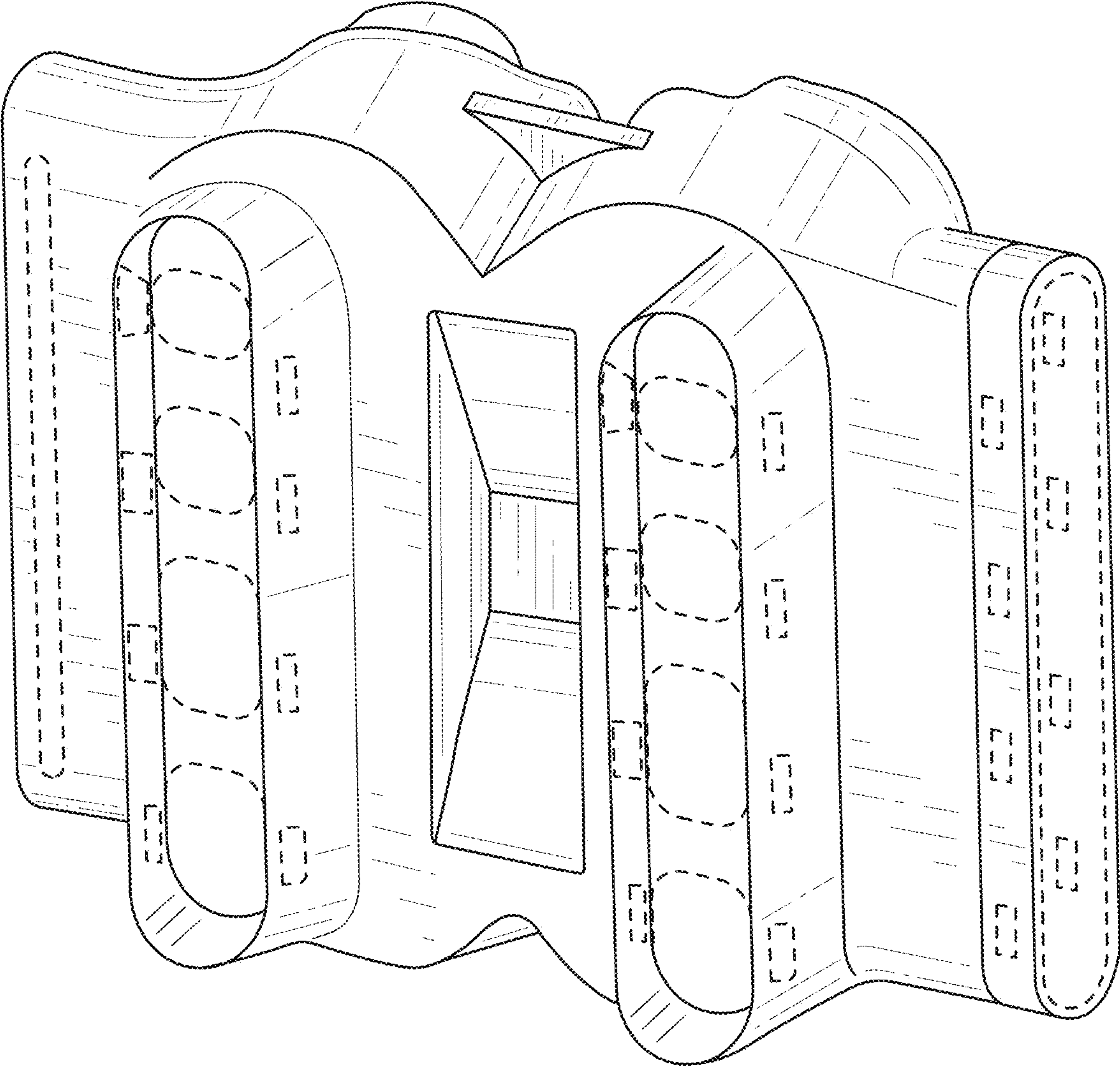


FIG. 2

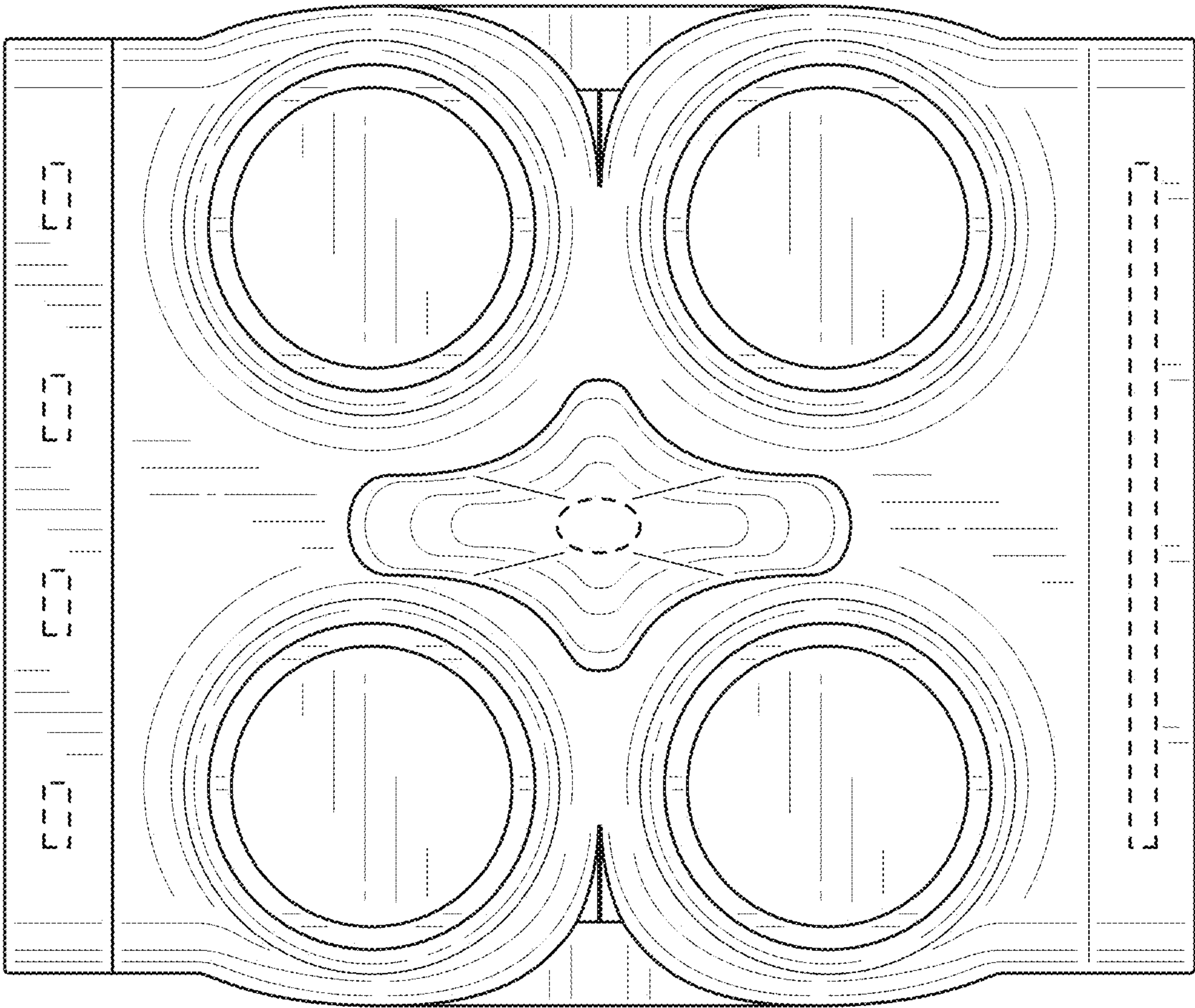


FIG. 3

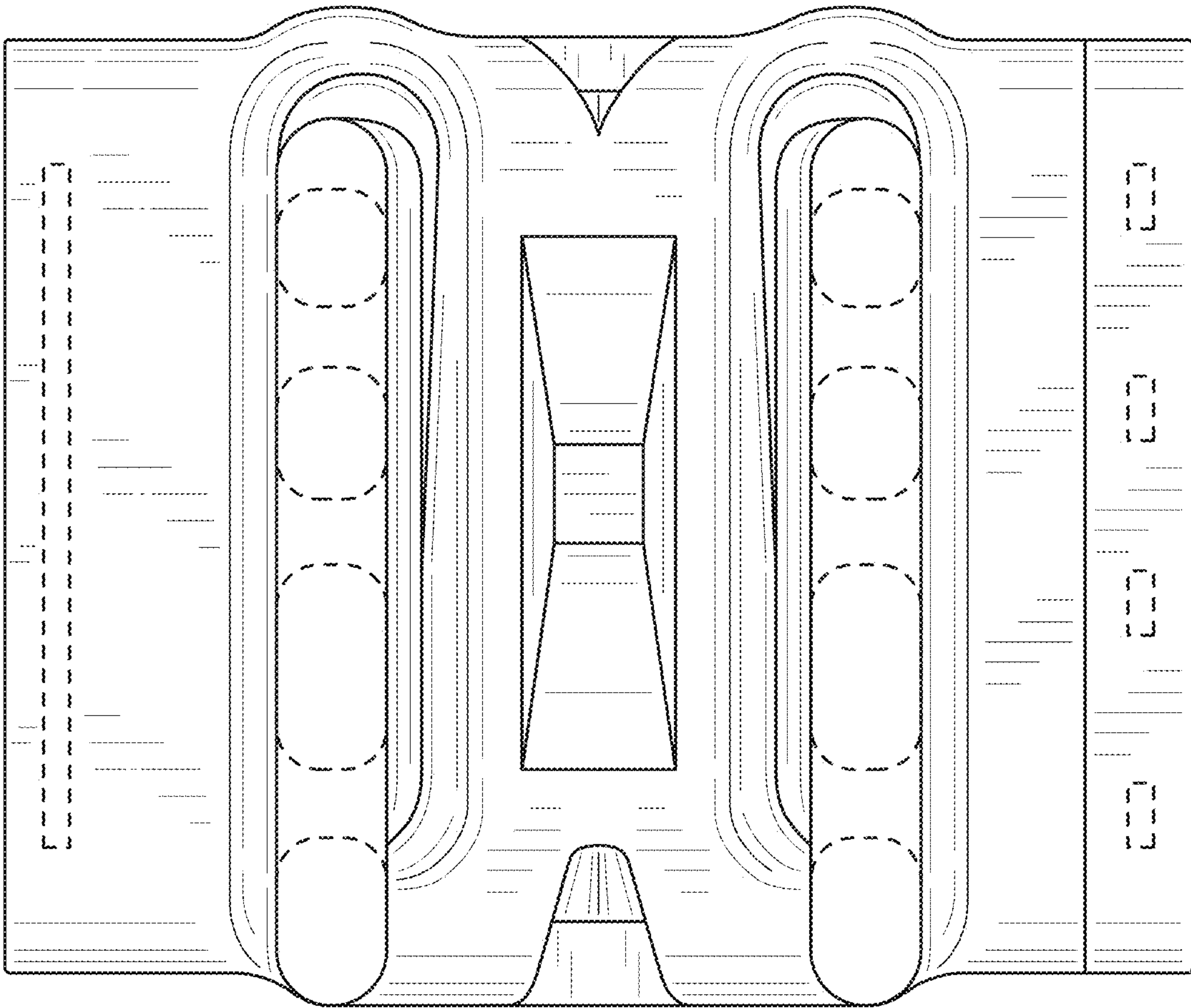


FIG. 4

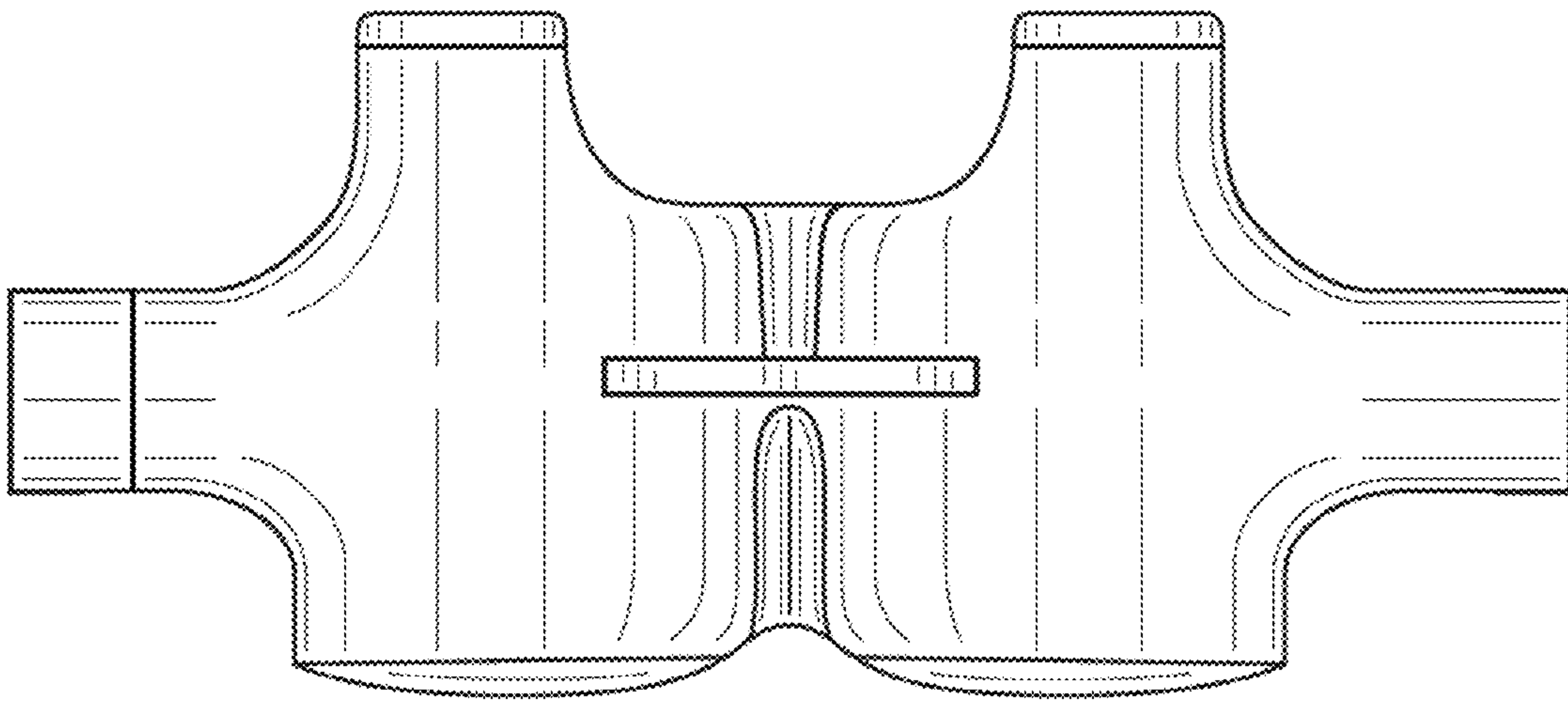


FIG. 5

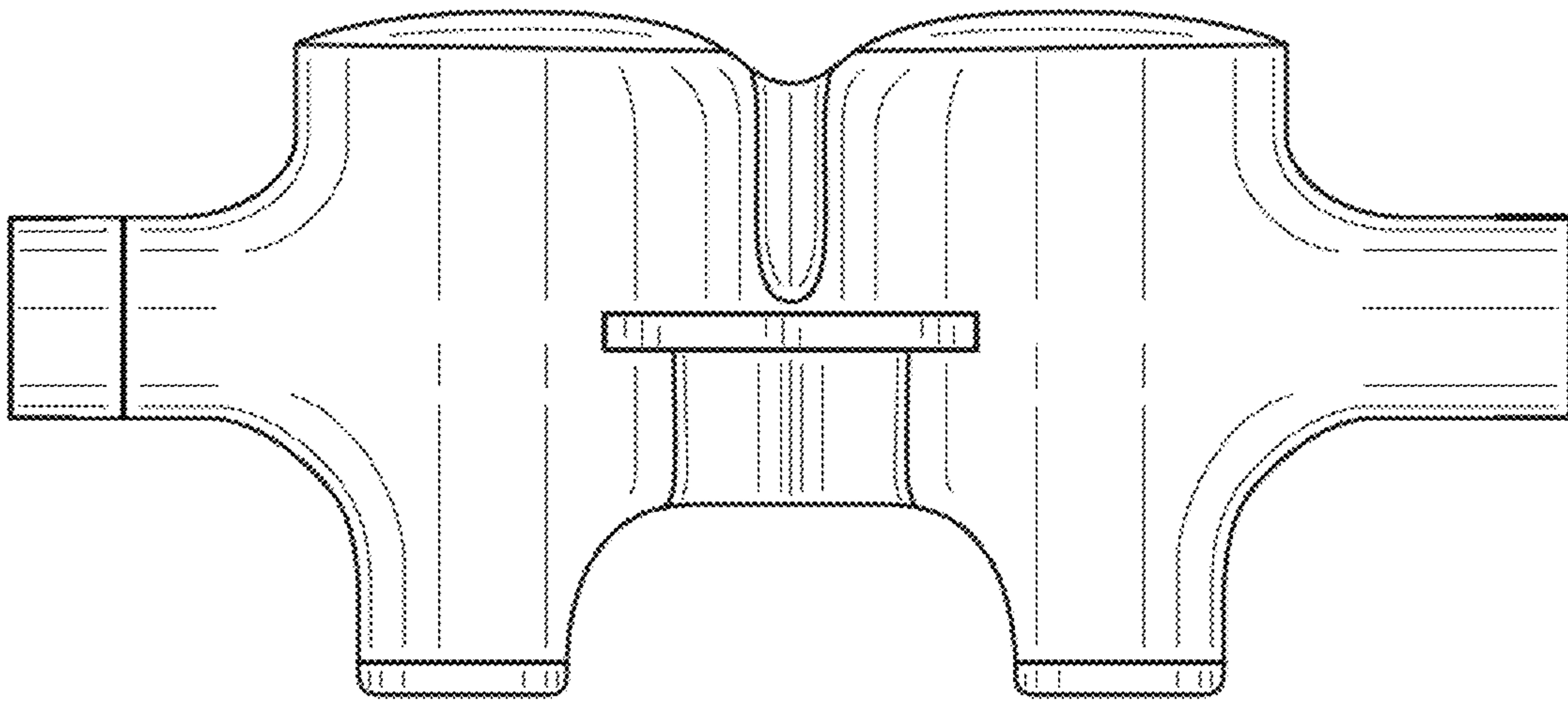


FIG. 6

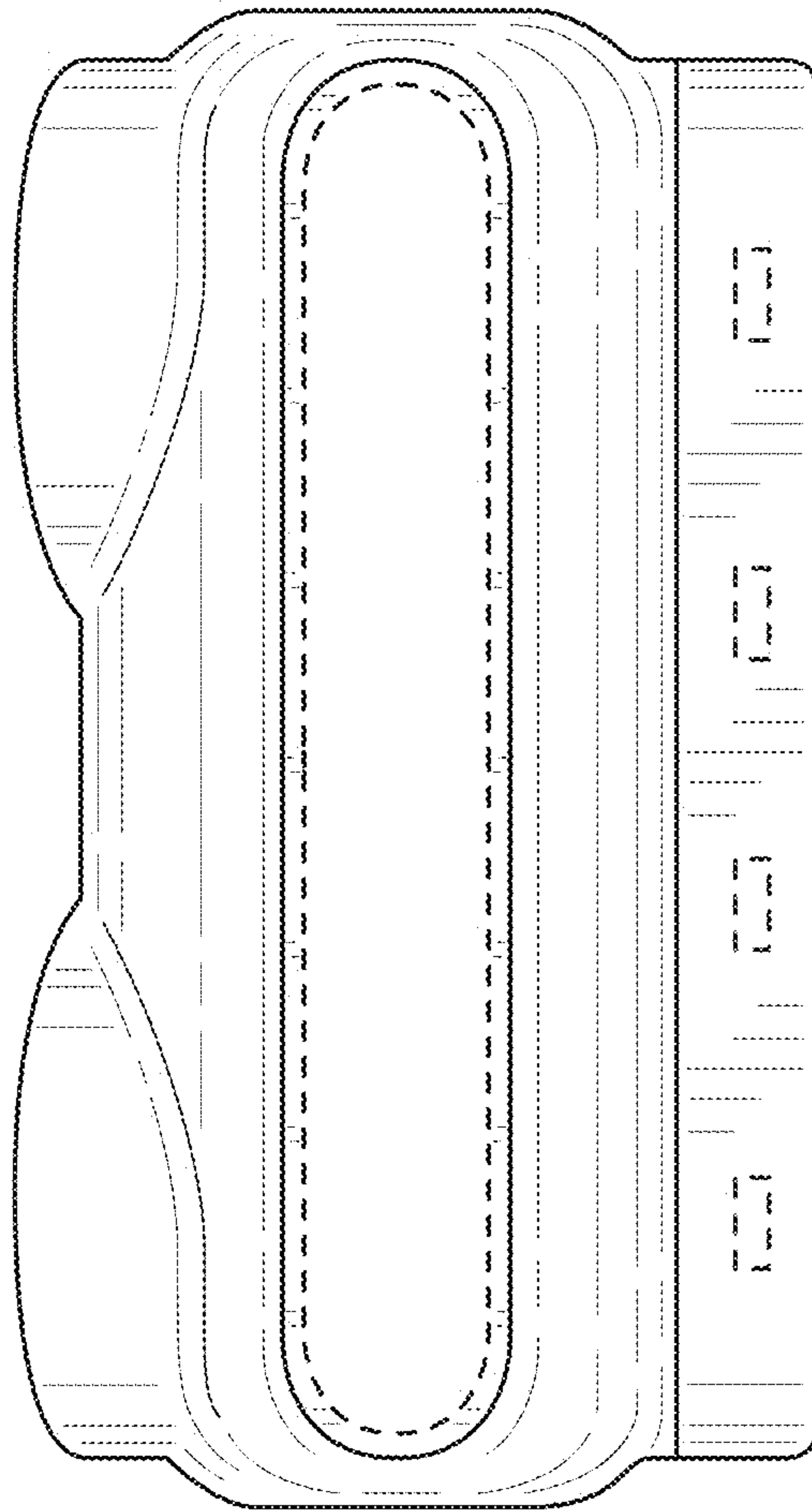


FIG. 7