



US00D876356S

(12) **United States Design Patent** (10) **Patent No.:** **US D876,356 S**
Tanaka (45) **Date of Patent:** **** Feb. 25, 2020**

(54) **WIRELESS POWER TRANSMITTER**

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(73) Assignee: **DAIHEN Corporation**, Osaka (JP)

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (12) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/123; D13/108**

(58) **Field of Classification Search**
USPC D13/101, 103, 107, 108, 110, 112–114,
D13/118, 123, 133, 152–154, 173, 178,
D13/184, 199
CPC H01F 5/00; H01R 39/00; H02J 5/02; H02J
5/00; H02J 50/10; H02J 50/12; H02J
50/90; H02J 7/00; H02J 7/02; H02J
7/025; H04B 5/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D285,453 S * 9/1986 Hoshino D13/171
D365,528 S * 12/1995 Shibuya D10/81
D510,566 S * 10/2005 Johanneck D13/171
D598,870 S * 8/2009 Asada D13/171
D719,505 S * 12/2014 Kim D13/108
D749,596 S * 2/2016 Khodapanah D14/447
D786,791 S * 5/2017 Jeong D13/108

(Continued)

OTHER PUBLICATIONS

Daihen D-Broad Core, dated Sep. 27, 2016, [online], [site visited Oct. 23, 2019]. Available from Internet, URL: <https://www.youtube.com/watch?v=wknbZCwjPJ8> (Year: 2016).*

(Continued)

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(57) **CLAIM**

The ornamental design for a wireless power transmitter, as shown and described.

DESCRIPTION

FIG. 1 is an upper perspective view of a wireless power transmitter, showing my new design in accordance with a first embodiment of the invention;

FIG. 2 is a front elevation view thereof;

FIG. 3 is a rear elevation view thereof;

FIG. 4 is a top view thereof;

FIG. 5 is a bottom view thereof;

FIG. 6 is a right side elevation view thereof, the left side elevation view being a mirror image thereof;

FIG. 7 is an enlarged cross-sectional view thereof taken along lines 7-7 shown in FIG. 2;

FIG. 8 is an upper perspective view of a wireless power transmitter showing my new design in accordance with a second embodiment of the invention;

FIG. 9 is a front elevation view thereof;

FIG. 10 is a rear elevation view thereof;

FIG. 11 is a top view thereof;

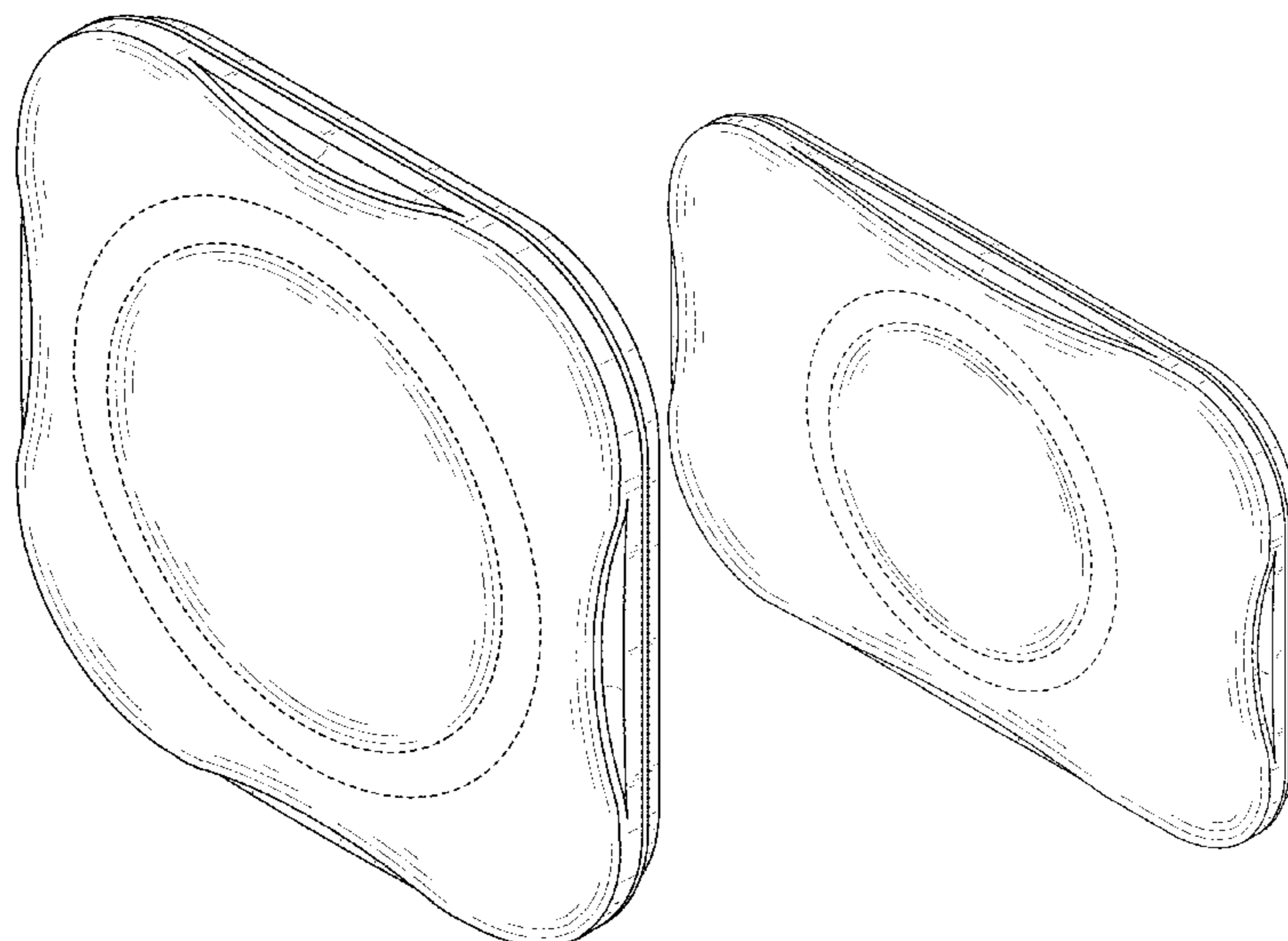
FIG. 12 is a bottom view thereof;

FIG. 13 is a right side elevation view thereof, the left side elevation view being a mirror image thereof; and,

FIG. 14 is an enlarged cross-sectional view thereof taken along lines 14-14 shown in FIG. 9.

The portions of the wireless power transmitter shown in broken lines form no part of the claimed design.

1 Claim, 14 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D788,603 S * 6/2017 Liu D10/102
D806,657 S * 1/2018 Russo D13/168
D812,021 S * 3/2018 Lee D13/171
D812,556 S * 3/2018 Xu D13/103
D831,585 S * 10/2018 Lee D13/162
D838,190 S * 1/2019 Lai D10/53
D840,409 S * 2/2019 Miller D14/447
D845,897 S * 4/2019 Kim D13/108
D845,931 S * 4/2019 Kosuge D14/218
D849,006 S * 5/2019 Pang D14/433
D854,509 S * 7/2019 Wu D14/168
D858,436 S * 9/2019 Chen D13/108
D863,226 S * 10/2019 Andersson D13/152
2003/0205448 A1 * 11/2003 Miller G01L 9/0058
200/83 R
2010/0105526 A1 * 4/2010 Hautoplund A63B 69/0053
482/8
2010/0156343 A1 * 6/2010 Jung H02J 7/025
320/108
2014/0357094 A1 * 12/2014 Kim H01R 39/00
439/13
2015/0042268 A1 * 2/2015 Chen H02J 7/025
320/108
2018/0342911 A1 * 11/2018 Zhuang H02J 7/025

OTHER PUBLICATIONS

Wi-Charge harnesses light to free Amazon Echo Dot and Google Home Mini smart speakers from power cords, dated Nov. 16, 2018, [online], [site visited Oct. 23, 2019]. Available from Internet, URL: <https://www.techhive.com/article/3321662/wi-charge-to-free-amazon-echo-dot-from-its-power-cord.html> (Year: 2018).*

* cited by examiner

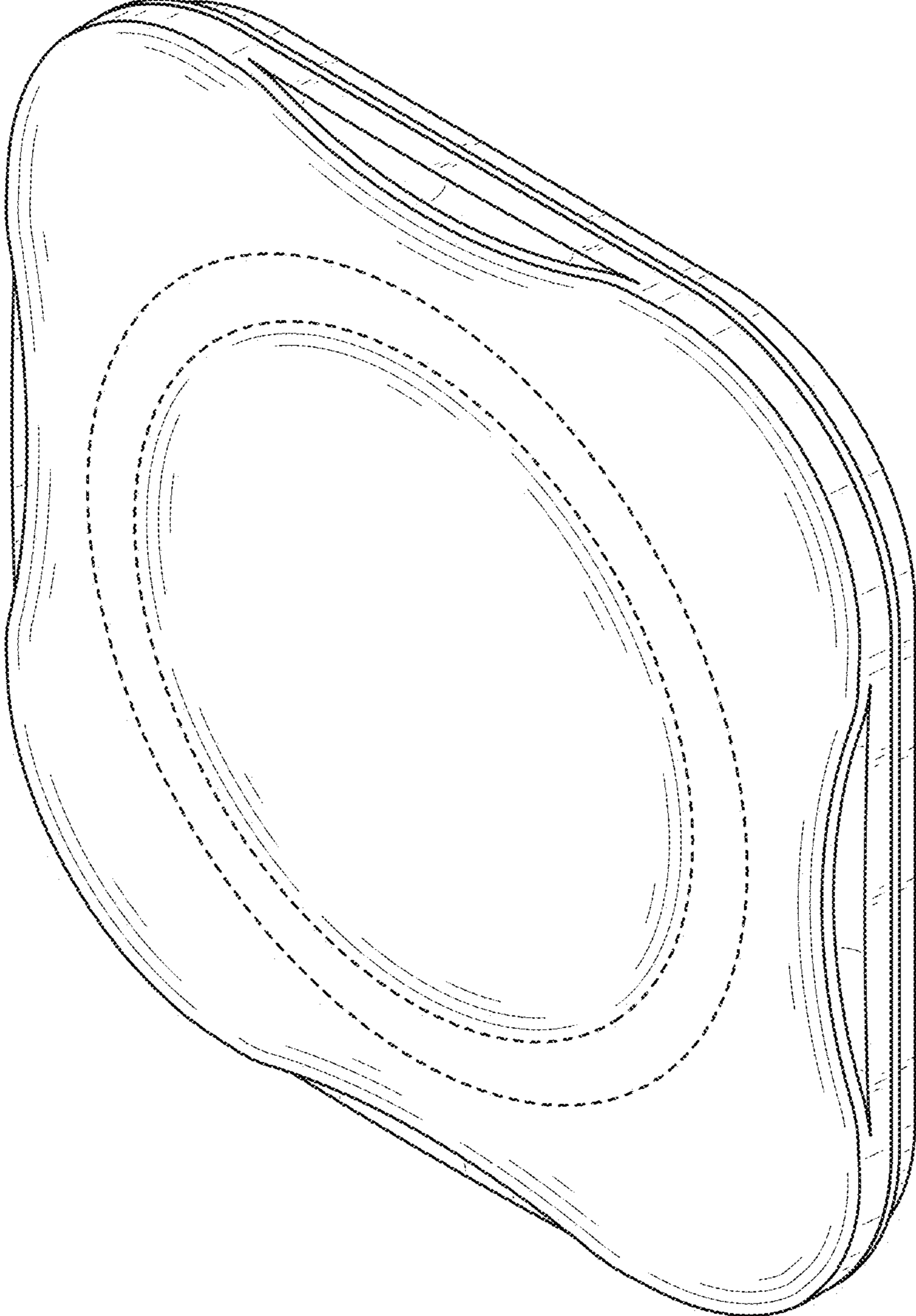


FIG. 1

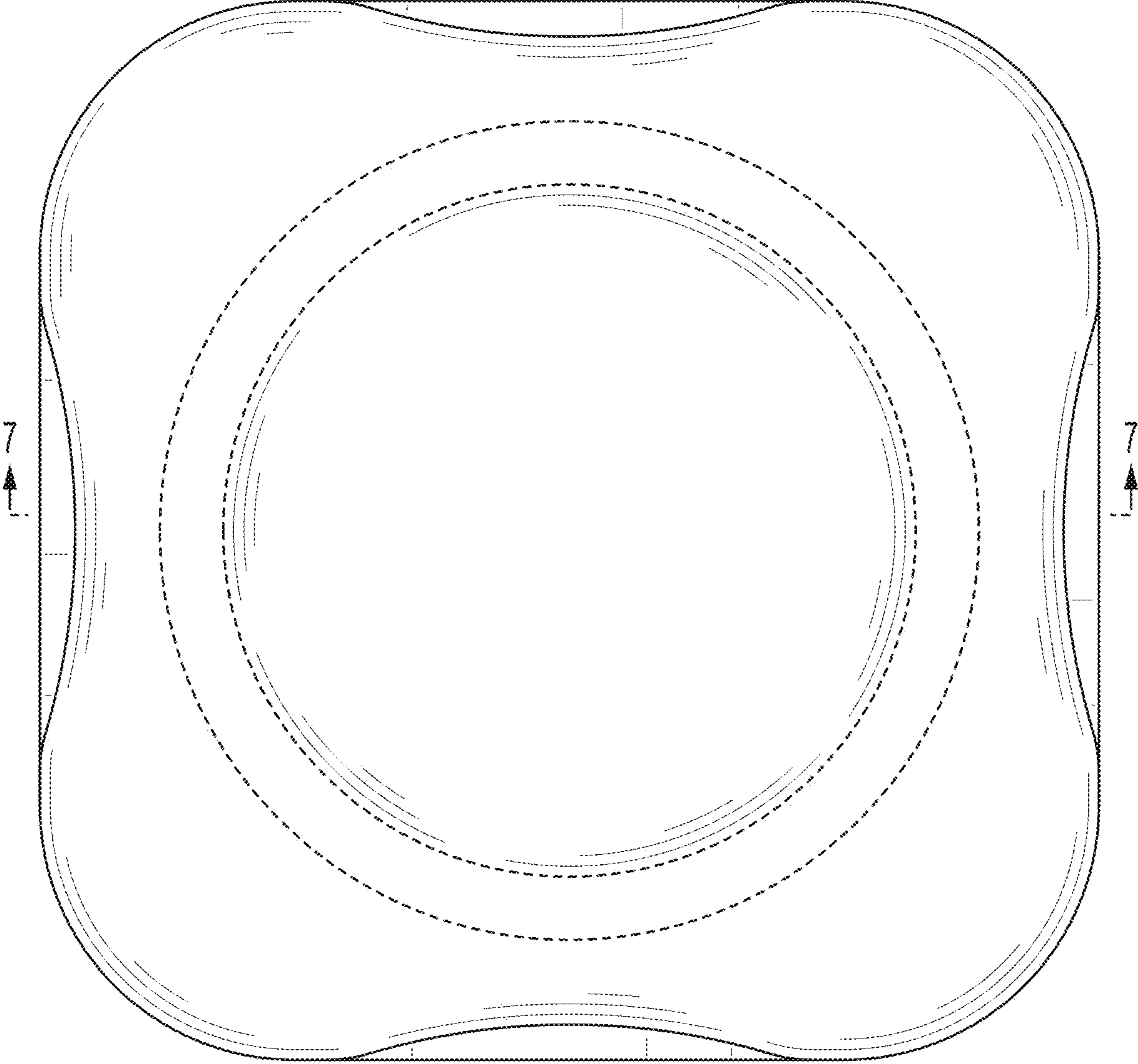


FIG. 2

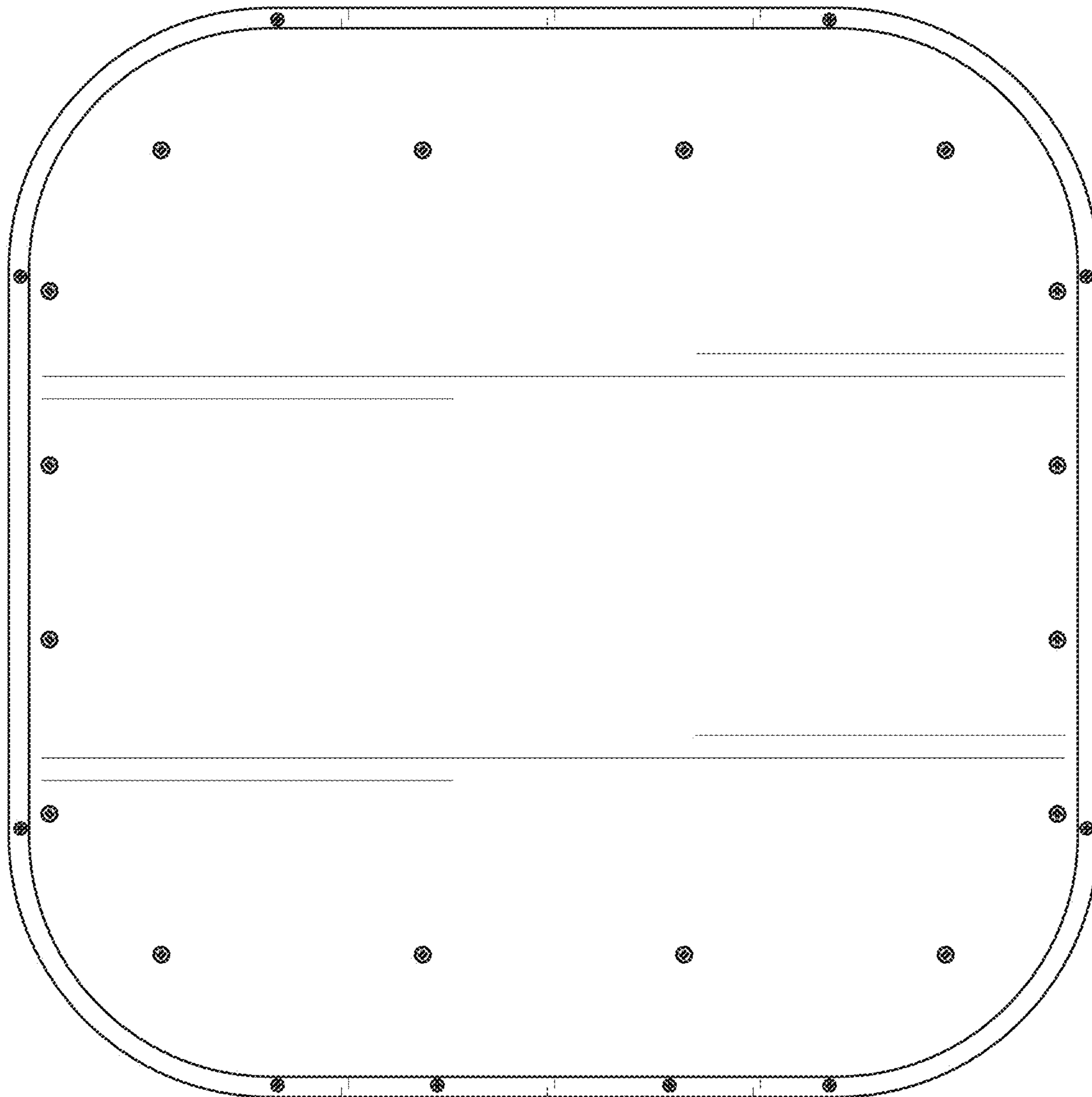


FIG. 3

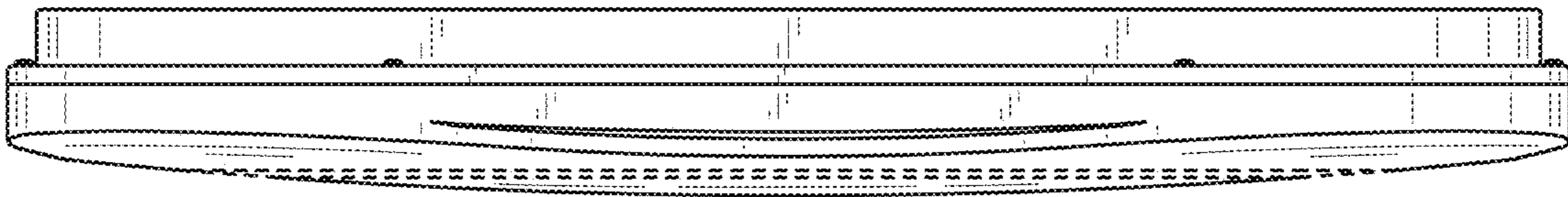


FIG. 4

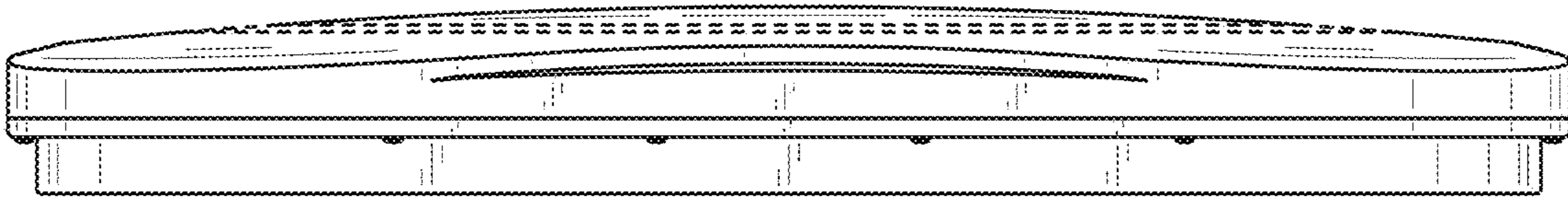


FIG. 5

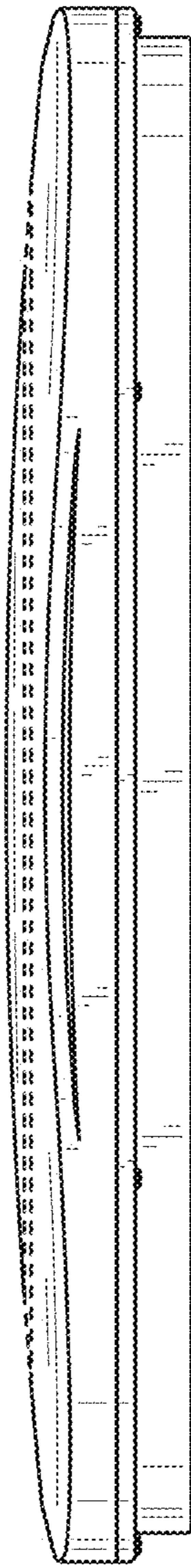


FIG. 6



FIG. 7

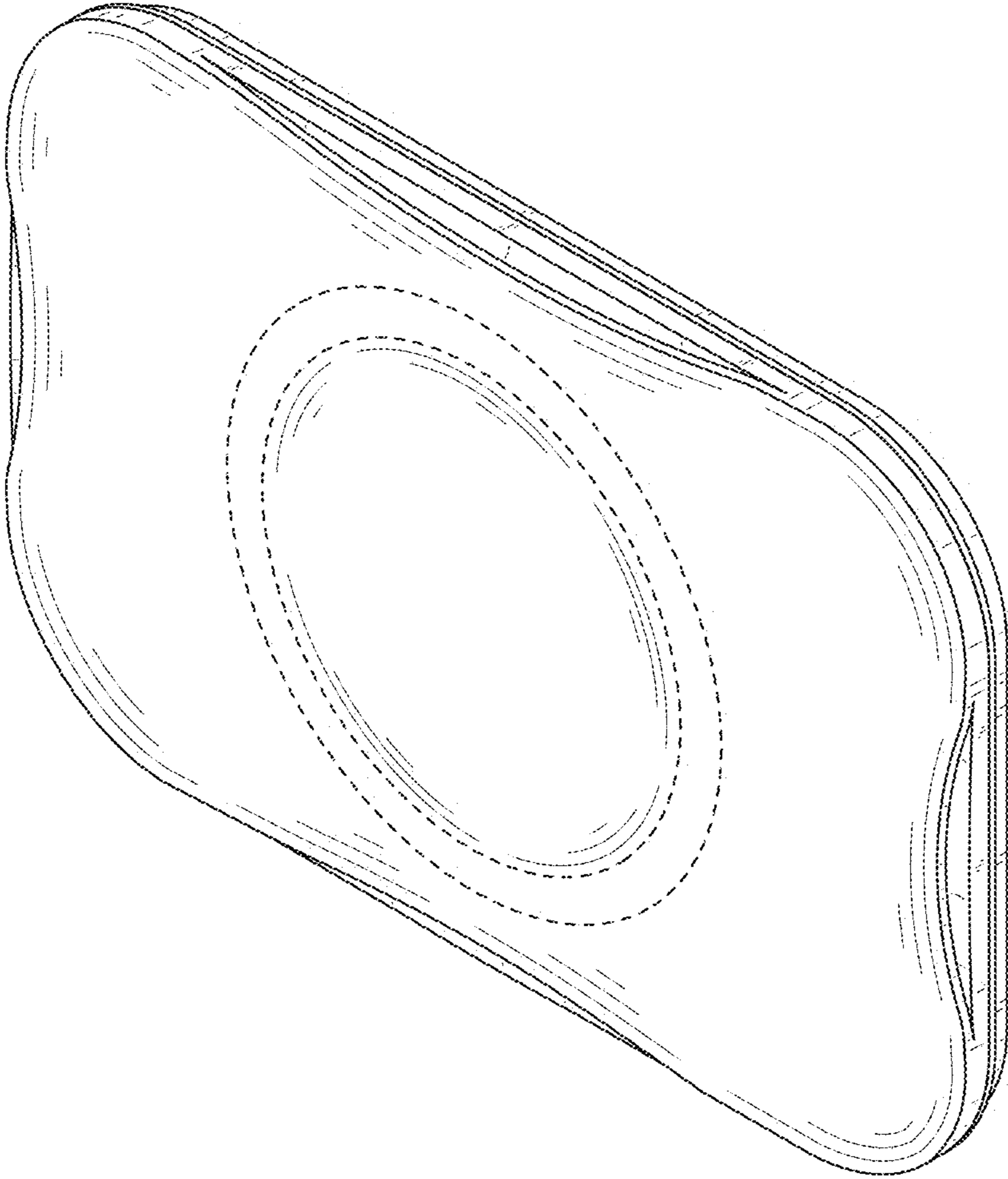


FIG. 8

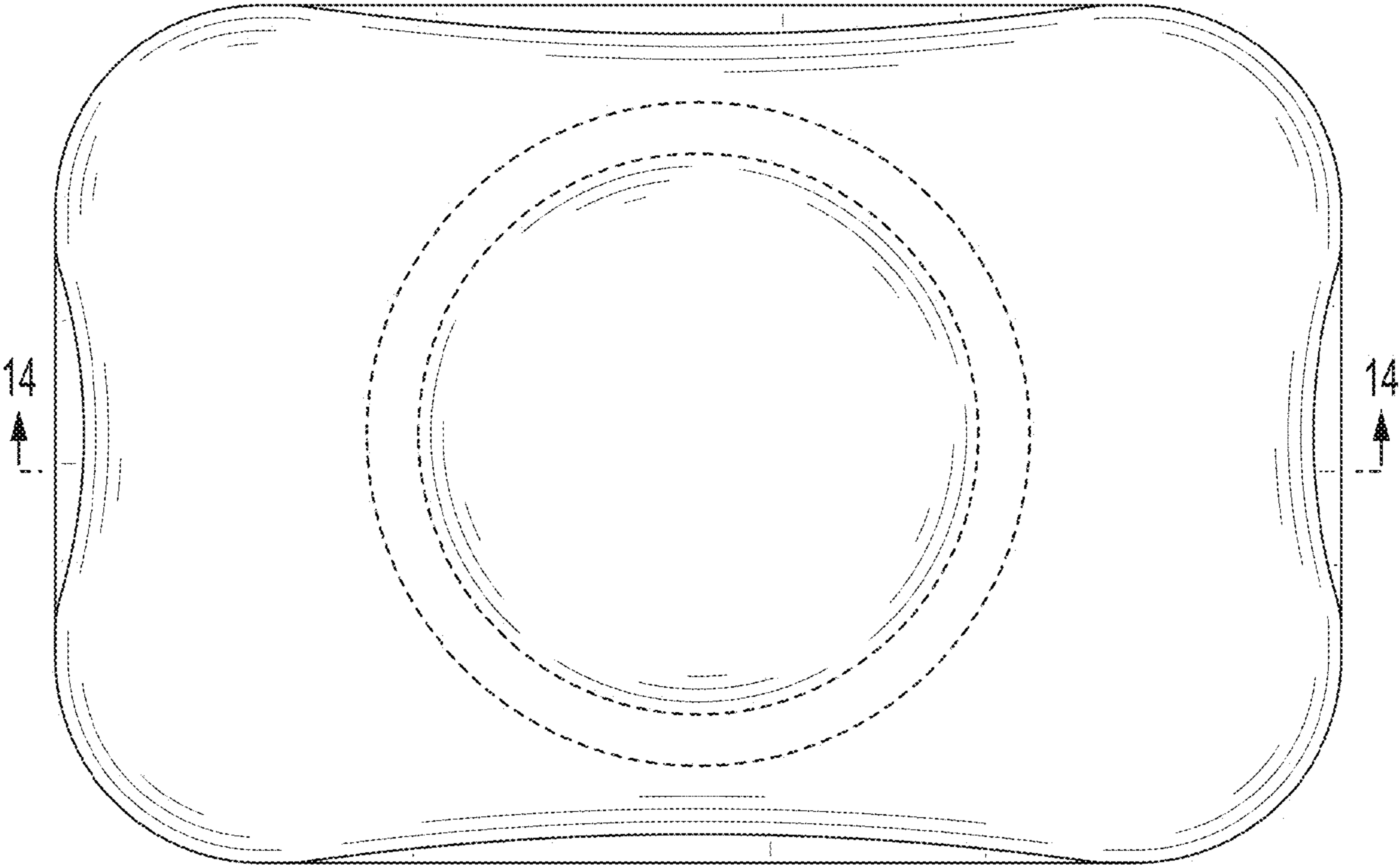


FIG. 9

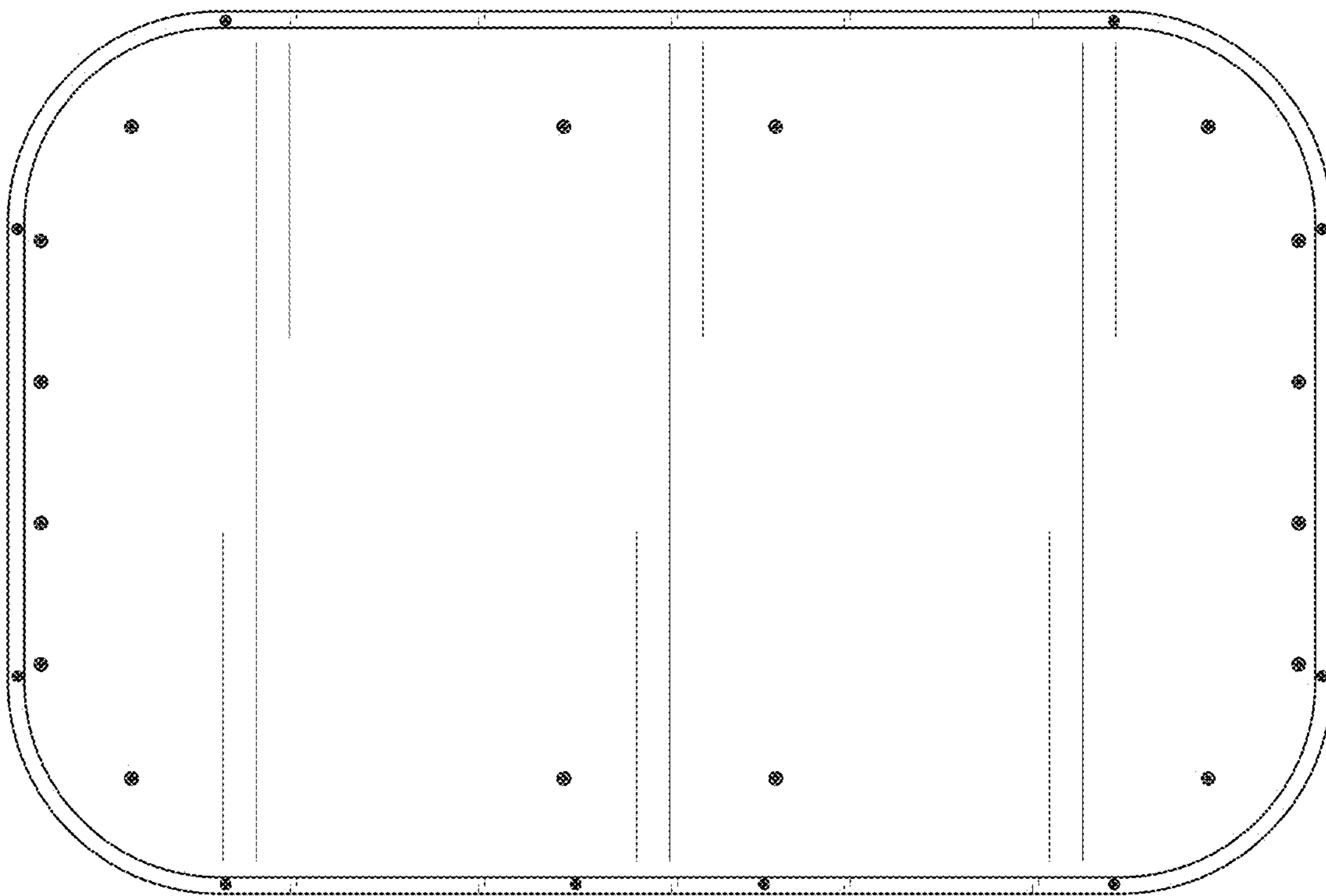


FIG. 10

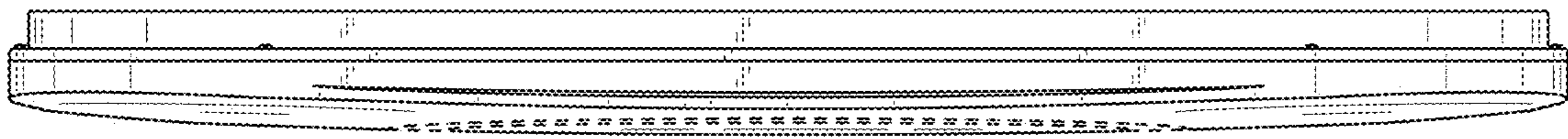


FIG. 11

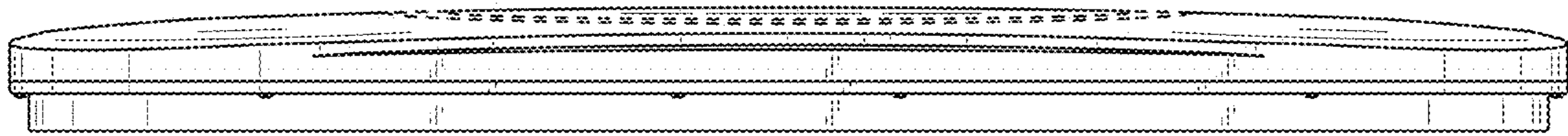


FIG. 12



FIG. 13

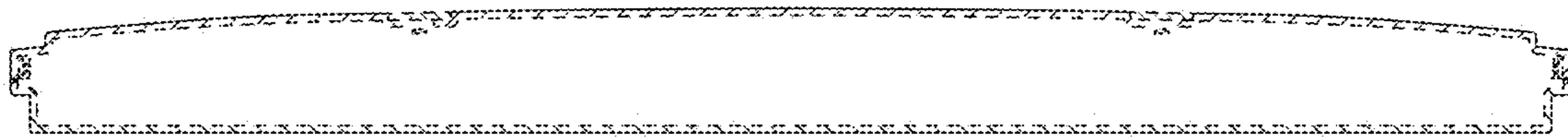


FIG. 14