



US0D1057956S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,057,956 S**  
**Gobrecht et al.** (45) **Date of Patent:** **\*\* Jan. 14, 2025**

- (54) **MEDICAL DEVICE INSERTER**
- (71) Applicant: **DexCom, Inc.**, San Diego, CA (US)
- (72) Inventors: **Eric Gobrecht**, Madison, WI (US);  
**Randall Scott Koplín**, Middleton, WI (US);  
**Kyle Neuser**, Madison, WI (US);  
**Ryan Schoonmaker**, Oceanside, CA (US)
- (73) Assignee: **DexCom, Inc.**, San Diego, CA (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/772,391**
- (22) Filed: **Mar. 1, 2021**

**Related U.S. Application Data**

- (60) Continuation of application No. 29/710,971, filed on Oct. 28, 2019, now Pat. No. Des. 914,882, which is a (Continued)
- (51) **LOC (15) Cl.** ..... **24-02**
- (52) **U.S. Cl.**  
USPC ..... **D24/169**; D24/186
- (58) **Field of Classification Search**  
USPC ..... D24/169, 168, 186, 107, 189, 127, 129,  
D24/200, 209, 210, 214, 216, 232;  
D10/75, 70, 97, 81; D14/203.1, 203.3,  
D14/203.7, 341, 138 C, 191, 388  
CPC ..... A61B 5/00; A61B 5/0002; A61B 5/14;  
A61B 5/145; A61B 5/14532; A61B  
5/14865; A61B 5/6848; A61B 5/6833;  
A61B 2560/0412; A61B 8/4236; A61M  
5/1723; A61M 5/14248; A61M 5/20;  
A61M 2230/201; A61M 31/00; A61M  
31/002; C12Q 1/006; C12Q 1/54; G01N  
33/492; G01N 33/48785; G01N 33/66;  
G16H 40/67;

(Continued)

(56) **References Cited**  
U.S. PATENT DOCUMENTS

D383,991 S 9/1997 Leyden et al.  
D405,524 S 2/1999 Falk et al.  
(Continued)

FOREIGN PATENT DOCUMENTS

CN 307437861 \* 7/2022  
CN 307742928 \* 12/2022  
(Continued)

OTHER PUBLICATIONS

Dexcom, Dexcom G5—How To Insert Your Sensor, YouTube, Uploaded on: Oct. 19, 2015, Retrieved from Internet:: [https://www.youtube.com/watch?v=9\\_8t\\_HSG-uE](https://www.youtube.com/watch?v=9_8t_HSG-uE) (Year: 2015).\*

(Continued)

*Primary Examiner* — Jennifer L Rempfer  
*Assistant Examiner* — Edward P Jones  
(74) *Attorney, Agent, or Firm* — Snell & Wilmer LLP

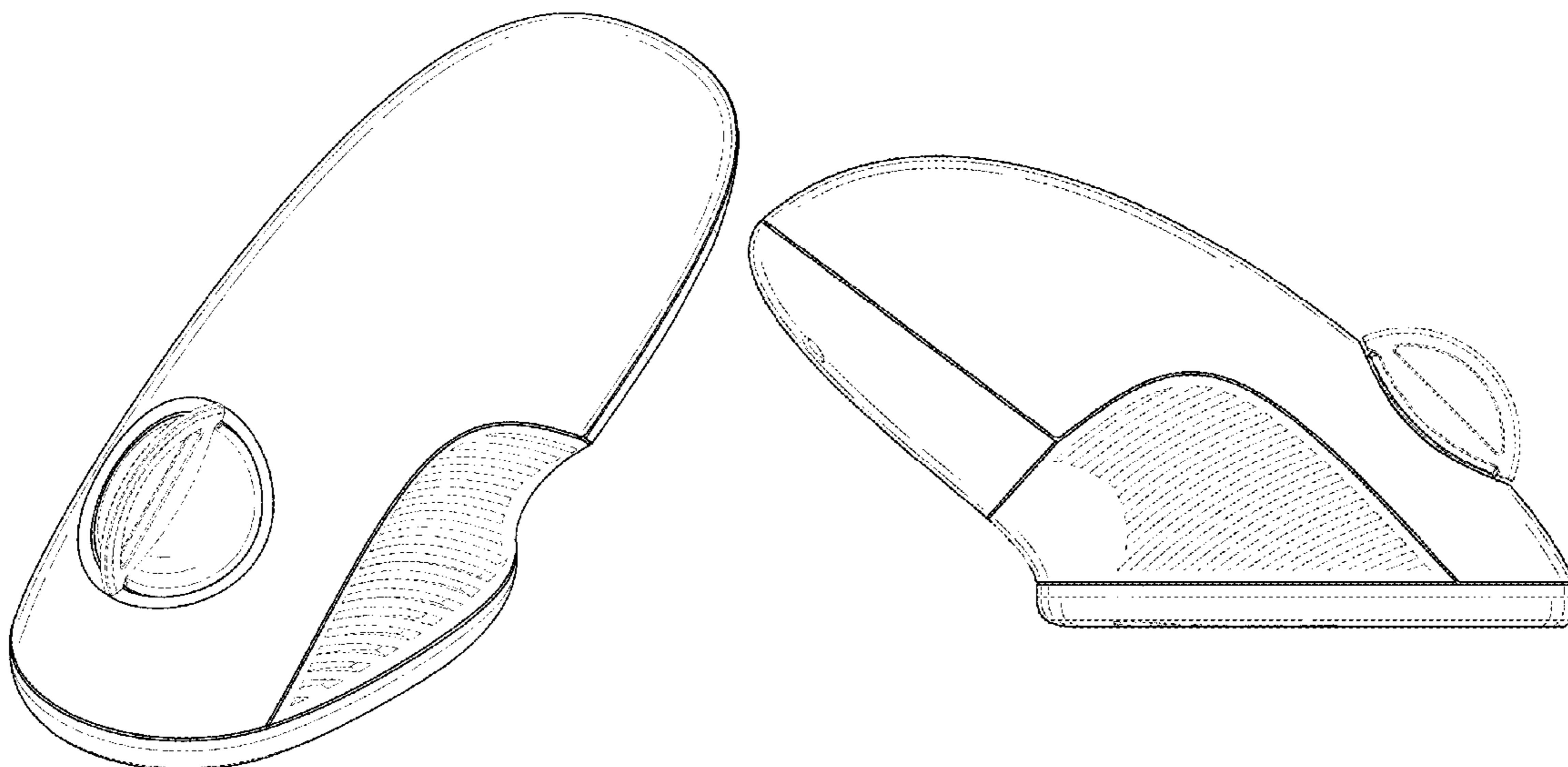
(57) **CLAIM**

The ornamental design for a medical device inserter, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of a medical device inserter; FIG. 2 is a front view of the inserter of FIG. 1; FIG. 3 is a rear view of the inserter of FIG. 1; FIG. 4 is a right side view of the inserter of FIG. 1; FIG. 5 is a left side view of the inserter of FIG. 1; FIG. 6 is a top view of the inserter of FIG. 1; FIG. 7 is a bottom view of the inserter of FIG. 1; and, FIG. 8 is a bottom perspective view of the inserter of FIG. 1.  
The broken lines illustrate portions of the medical device inserter that form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



**Related U.S. Application Data**

continuation of application No. 29/645,676, filed on Apr. 27, 2018, now abandoned, which is a continuation of application No. 29/611,512, filed on Jul. 21, 2017, now Pat. No. Des. 816,847, which is a division of application No. 29/532,765, filed on Jul. 9, 2015, now Pat. No. Des. 794,800.

(58) **Field of Classification Search**

CPC ..... G16H 20/17; Y10T 436/144444; A61N 5/0616; A61N 2005/0645; A61N 2007/0034; A61N 1/328

See application file for complete search history.

(56)

**References Cited**

U.S. PATENT DOCUMENTS

D425,990 S 5/2000 Gravel et al.  
 D439,657 S 3/2001 Bridle  
 D479,324 S 9/2003 Greaney  
 D493,150 S 7/2004 Murtaugh et al.  
 6,855,131 B2\* 2/2005 Trautman ..... A61B 17/205  
 604/181  
 D506,007 S 6/2005 Best et al.  
 D523,143 S 6/2006 Anderson et al.  
 D563,907 S 3/2008 Badarello  
 D564,087 S 3/2008 Yodfat et al.  
 D581,533 S 11/2008 Ruf et al.  
 D612,484 S 3/2010 Yodfat et al.  
 D619,245 S 7/2010 Moga et al.  
 D638,534 S 5/2011 Moga et al.  
 8,170,803 B2 5/2012 Kamath et al.  
 8,275,437 B2 9/2012 Brauker et al.  
 8,333,714 B2 12/2012 Stafford  
 D673,678 S 1/2013 Hong  
 D676,549 S 2/2013 Lovell et al.  
 D688,232 S 8/2013 Zhang  
 D691,710 S 10/2013 White  
 8,668,675 B2 3/2014 Chase et al.  
 8,721,544 B2 5/2014 Roesicke et al.  
 D719,267 S 12/2014 Vaccarella  
 D723,521 S 3/2015 Chen et al.  
 D741,995 S 10/2015 Prasser et al.  
 D760,374 S 6/2016 Nagar et al.  
 9,399,094 B2 7/2016 Krag et al.  
 9,402,544 B2 8/2016 Yee et al.  
 9,402,570 B2\* 8/2016 Pace ..... A61B 5/14532  
 9,415,159 B2 8/2016 Gyrn et al.  
 9,415,198 B2\* 8/2016 McAllister ..... A61M 37/0015  
 D787,680 S 5/2017 Donohue  
 D794,201 S 8/2017 Newhouse et al.  
 D794,800 S 8/2017 Gobrecht et al.  
 D794,801 S 8/2017 Newhouse et al.  
 9,757,061 B2 9/2017 Shults et al.  
 D809,589 S 2/2018 Chatterton et al.  
 D815,289 S 4/2018 Evers et al.  
 D816,229 S 4/2018 Frick et al.  
 D816,847 S 5/2018 Gobrecht et al.  
 D831,831 S 10/2018 Newhouse et al.  
 10,136,816 B2\* 11/2018 Bernstein ..... A61B 5/0017  
 10,159,433 B2 12/2018 Mazza et al.  
 D842,996 S 3/2019 Frick et al.  
 D851,256 S 6/2019 Newhouse et al.  
 10,444,849 B2 10/2019 Li  
 D877,893 S 3/2020 Stonecipher et al.  
 D888,252 S 6/2020 Terry et al.  
 D902,408 S 11/2020 Funderburk  
 10,856,741 B2 12/2020 Damania et al.  
 D924,204 S 7/2021 Natsume et al.  
 D928,501 S 8/2021 McManigal et al.  
 11,179,107 B2\* 11/2021 Chae ..... A61B 5/150244  
 D962,446 S 8/2022 Bernstein et al.  
 D974,564 S 1/2023 Stafford  
 D978,357 S 2/2023 Zysk et al.  
 D980,986 S\* 3/2023 Rao ..... A61B 5/14503  
 D24/186

11,602,291 B2\* 3/2023 Halac ..... A61B 5/6848  
 D982,762 S\* 4/2023 Rao ..... D24/186  
 11,654,270 B2\* 5/2023 Mansfield, III ... A61M 37/0015  
 604/173  
 D988,160 S 6/2023 Morelock  
 11,666,704 B2 6/2023 Uddin et al.  
 11,678,828 B2 6/2023 Masuda  
 11,684,260 B2 6/2023 Wiedenhoefer et al.  
 11,690,952 B2 7/2023 Kamen et al.  
 11,706,876 B2 7/2023 Halac et al.  
 D996,991 S 8/2023 Chang et al.  
 D996,999 S 8/2023 Morelock  
 D999,913 S\* 9/2023 Rao ..... D24/186  
 D1,000,975 S 10/2023 Al-Ali et al.  
 D1,002,852 S 10/2023 Simmons et al.  
 D1,004,105 S 11/2023 Zysk et al.  
 11,825,536 B2 11/2023 Al-Ali  
 11,832,938 B2 12/2023 Ko et al.  
 11,904,127 B2\* 2/2024 Mansfield, III ..... A61M 5/3202  
 11,963,762 B2\* 4/2024 Baker ..... A61B 5/14532  
 11,992,341 B2\* 5/2024 Chae ..... A61B 5/68335  
 2004/0133164 A1 7/2004 Funderburk et al.  
 2004/0138588 A1 7/2004 Saikley et al.  
 2005/0124936 A1\* 6/2005 Mogensen ..... A61M 25/0631  
 604/93.01  
 2007/0049865 A1 3/2007 Radmer et al.  
 2007/0203966 A1 8/2007 Brauker et al.  
 2008/0242962 A1 10/2008 Roesicke et al.  
 2009/0254041 A1 10/2009 Krag et al.  
 2010/0185175 A1 7/2010 Kamen et al.  
 2011/0046456 A1 2/2011 Hordum et al.  
 2011/0082484 A1 4/2011 Saravia et al.  
 2011/0160669 A1 6/2011 Gyrn et al.  
 2011/0172639 A1 7/2011 Moga et al.  
 2011/0213225 A1\* 9/2011 Bernstein ..... G16H 40/67  
 600/309  
 2011/0288574 A1 11/2011 Curry et al.  
 2012/0136299 A1 5/2012 Constantineau et al.  
 2012/0143136 A1 6/2012 Constantineau et al.  
 2012/0226122 A1 9/2012 Meuniot et al.  
 2013/0079719 A1 3/2013 Gyrn et al.  
 2013/0150691 A1 6/2013 Pace et al.  
 2013/0267811 A1 10/2013 Pryor et al.  
 2014/0058360 A1 2/2014 Schoonmaker et al.  
 2014/0200426 A1 7/2014 Taub et al.  
 2014/0276576 A1 9/2014 Cole et al.  
 2015/0164545 A1\* 6/2015 Gyrn ..... A61B 17/3403  
 600/300  
 2016/0058344 A1\* 3/2016 Peterson ..... A61B 5/14503  
 600/347  
 2016/0058470 A1\* 3/2016 Peterson ..... A61B 5/14503  
 600/365  
 2016/0157759 A1 6/2016 Yang  
 2016/0243302 A1 8/2016 Gyrn  
 2016/0287150 A1 10/2016 Yu  
 2017/0035964 A1\* 2/2017 Gyrn ..... A61M 5/158  
 2017/0112531 A1\* 4/2017 Schoonmaker .... A61B 5/14503  
 2018/0093038 A1 4/2018 Deck  
 2020/0060587 A1 2/2020 Bremer et al.  
 2021/0038131 A1\* 2/2021 Li ..... A61B 5/14503  
 2021/0186424 A1\* 6/2021 Rodriguez ..... A61B 5/14532  
 2021/0219877 A1\* 7/2021 Baker ..... A61L 2/20  
 2021/0236729 A1\* 8/2021 Kiani ..... A61M 5/1723  
 2021/0241879 A1 8/2021 Haggerty et al.  
 2021/0321942 A1\* 10/2021 Pushpala ..... A61B 5/0205  
 2022/0117627 A1\* 4/2022 Garai ..... A61B 17/3468  
 2022/0133184 A1 5/2022 Garai et al.  
 2022/0225899 A1\* 7/2022 Peterson ..... A61B 5/6848  
 2022/0379019 A1\* 12/2022 Lanigan ..... A61M 5/142  
 2023/0172547 A1\* 6/2023 Chae ..... A61B 5/0004  
 600/365  
 2023/0240578 A1 8/2023 Slater et al.  
 2023/0337984 A1 10/2023 Hefner et al.  
 2024/0130643 A1\* 4/2024 Chae ..... A61B 5/14503

(56)

**References Cited**

U.S. PATENT DOCUMENTS

2024/0138716 A1\* 5/2024 Chae ..... A61B 5/155  
 2024/0156376 A1\* 5/2024 Metzmaker ..... A61B 5/14532

FOREIGN PATENT DOCUMENTS

CN	307948938		4/2023
GB	6192168		2/2022
IN	3619430010001		6/2022
JP	D1484253	*	11/2013
KR	300921418		8/2017
KR	301000496	*	4/2019
KR	301024160	*	9/2019
KR	301182850	*	9/2022
KR	301212064		4/2023
KR	301212065	*	4/2023
NZ	4318060001		3/2023
TW	2212010001		9/2022
WO	WO-D214300002		12/2020
WO	WOD214177	*	5/2021

OTHER PUBLICATIONS

Dexcom, Dexcom G6—How To Insert the Sensor and Attach the Transmitter, YouTube, Uploaded on: May 11, 2018, Retrieved from Internet: [https://www.youtube.com/watch?v=s6aFY\\_wffhs](https://www.youtube.com/watch?v=s6aFY_wffhs) (Year: 2018).\*

Dr. John Campbell, Fitting the Freestyle Libre One Sensor, YouTube, Uploaded on: May 22, 2019, Retrieved from Internet: <https://www.youtube.com/watch?v=rQFwaTbPkRI> (Year: 2019).\*

Dexcom, Dexcom Event: Dexcom G7 CGM System, YouTube, Uploaded on: Oct. 4, 2022, Retrieved from Internet: <https://www.youtube.com/watch?v=dYqNUf0paAU> (Year: 2022).\*

Integrated Diabetes Services, The Dexcom G7: What to Expect | Integrated Diabetes Services, Published online: Apr. 2022, Retrieved from Internet: <https://integrateddiabetes.com/the-dexcom-g7-what-to-expect> (Year: 2022).\*

NS Medical Devices, FDA approves Abbott’s Freestyle Libre 14-day flash glucose monitoring system, NS Medical Staff Writer, Published on: Jul. 30, 2018, Retrieved from Internet: <https://www.nsmedicaldevices.com/news/fda-approves-abbotts-freestyle-libre-14-day-flash-glucose-monitoring-system/> (Year: 2018).\*

Associated Press, “FDA Approves First Blood Sugar Monitor Without Finger Pricks,” STAT News, Sep. 28, 2017, 3 pages, Retrieved from the Internet: URL: <https://www.statnews.com/2017/09/28/fda-approves-blood-sugar-monitor-without-finger-pricks/>.

Deleon S., “Dexcom G6 vs. Dexcom G7: What You Need to Know,” usmed.com [Online], Dec. 14, 2022, 5 pages, Retrieved from the Internet: URL: <https://www.usmed.com/blog/dexcom-g6-vs-dexcom-g7-what-you-need-to-know/>.

Diabetes Mine Team, “Product Review: Abbott FreeStyle Libre Flash Glucose Monitor,” Healthline, Aug. 2018, 5 pages, Retrieved from the Internet: URL: <https://www.healthline.com/diabetesmine/abbott-freestyle-libre-review>.

Medgadget Editors, “Navigator® Continuous Glucose Monitoring System Approved in Europe,” medgadget.com [Online], Jun. 7, 2007, 3 pages, Retrieved from the Internet: URL: [https://www.medgadget.com/2007/06/navigator\\_continuous\\_glucose\\_monitoring\\_system\\_approved\\_in\\_europe.html](https://www.medgadget.com/2007/06/navigator_continuous_glucose_monitoring_system_approved_in_europe.html).

Type One Talks, Dexcom G7 Sensor Revealed | Everything You Need to Know, YouTube.com [Online], Dec. 12, 2020, 2 pages, Retrieved from the Internet: URL: <https://www.youtube.com/watch?v=2yw1JxZfhvI>.

\* cited by examiner

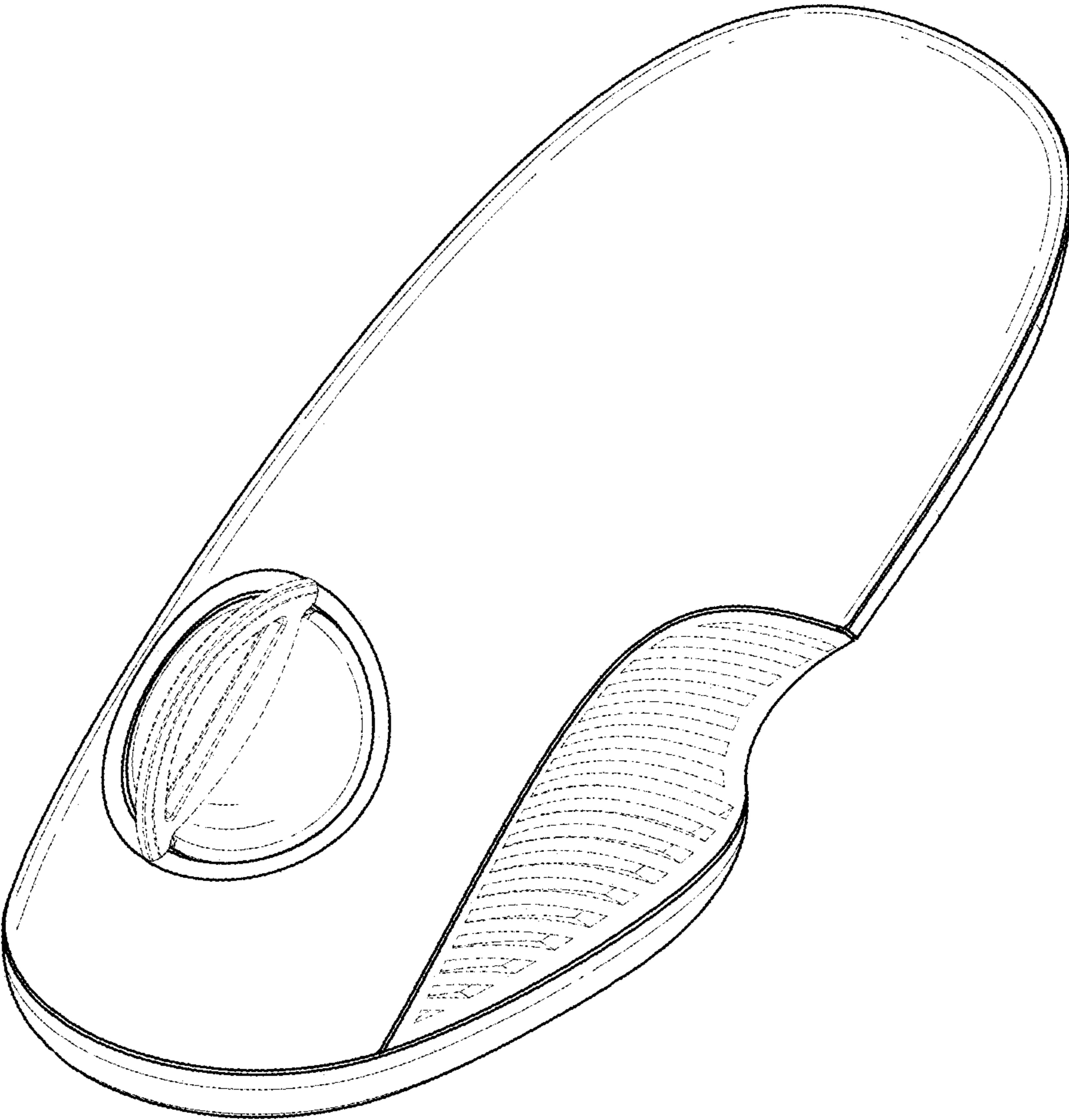


FIG. 1

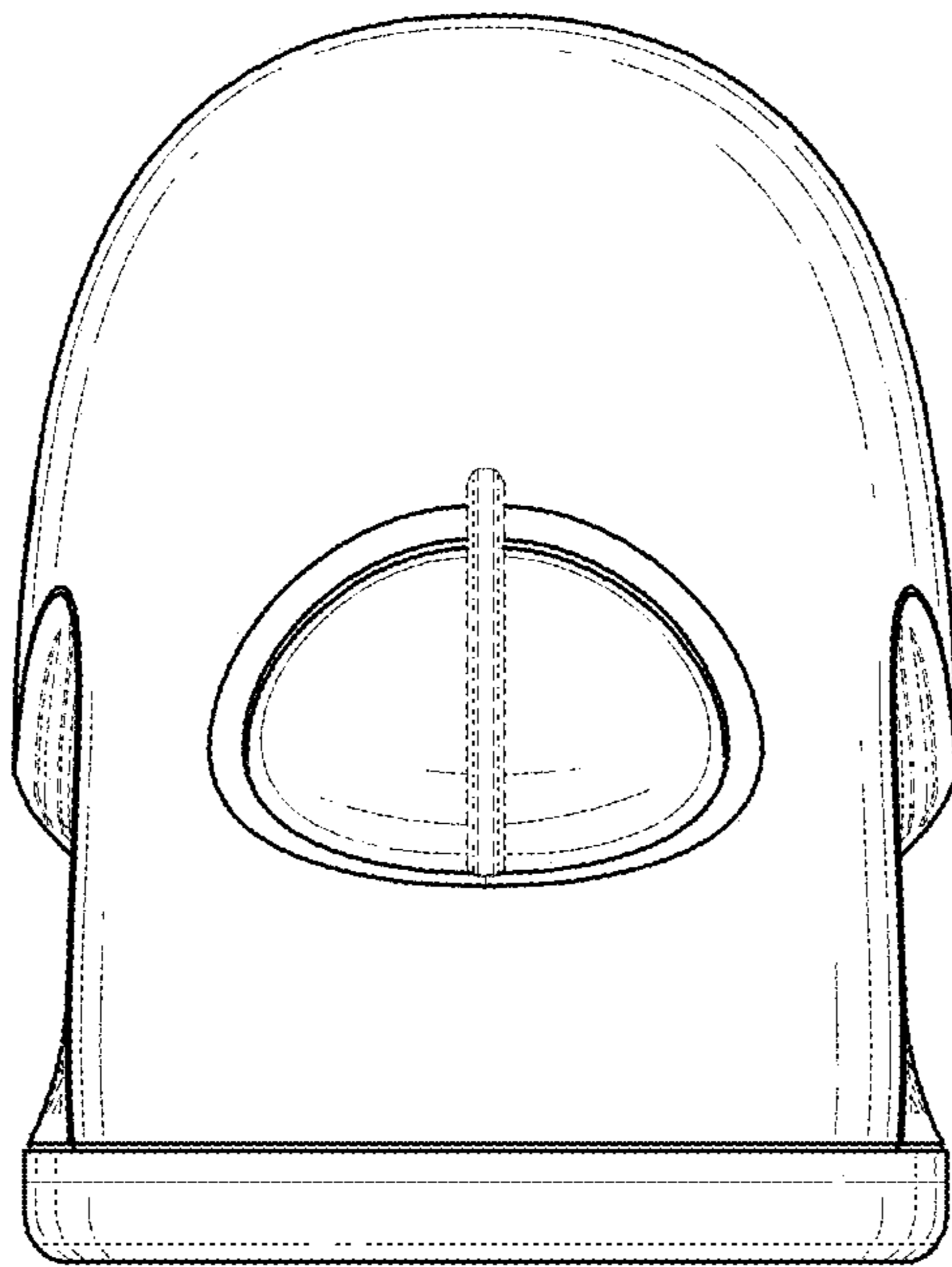


FIG. 2

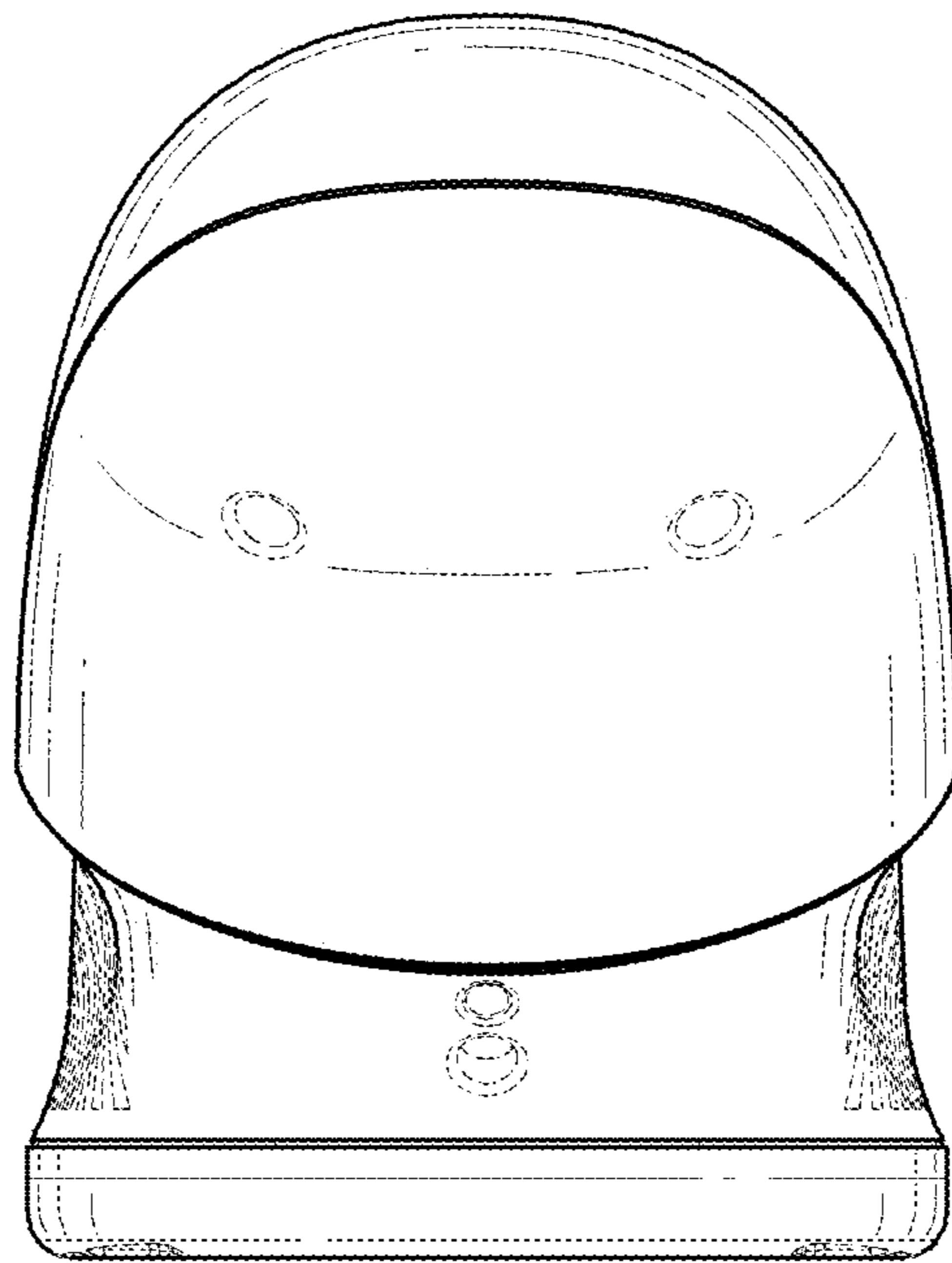


FIG. 3

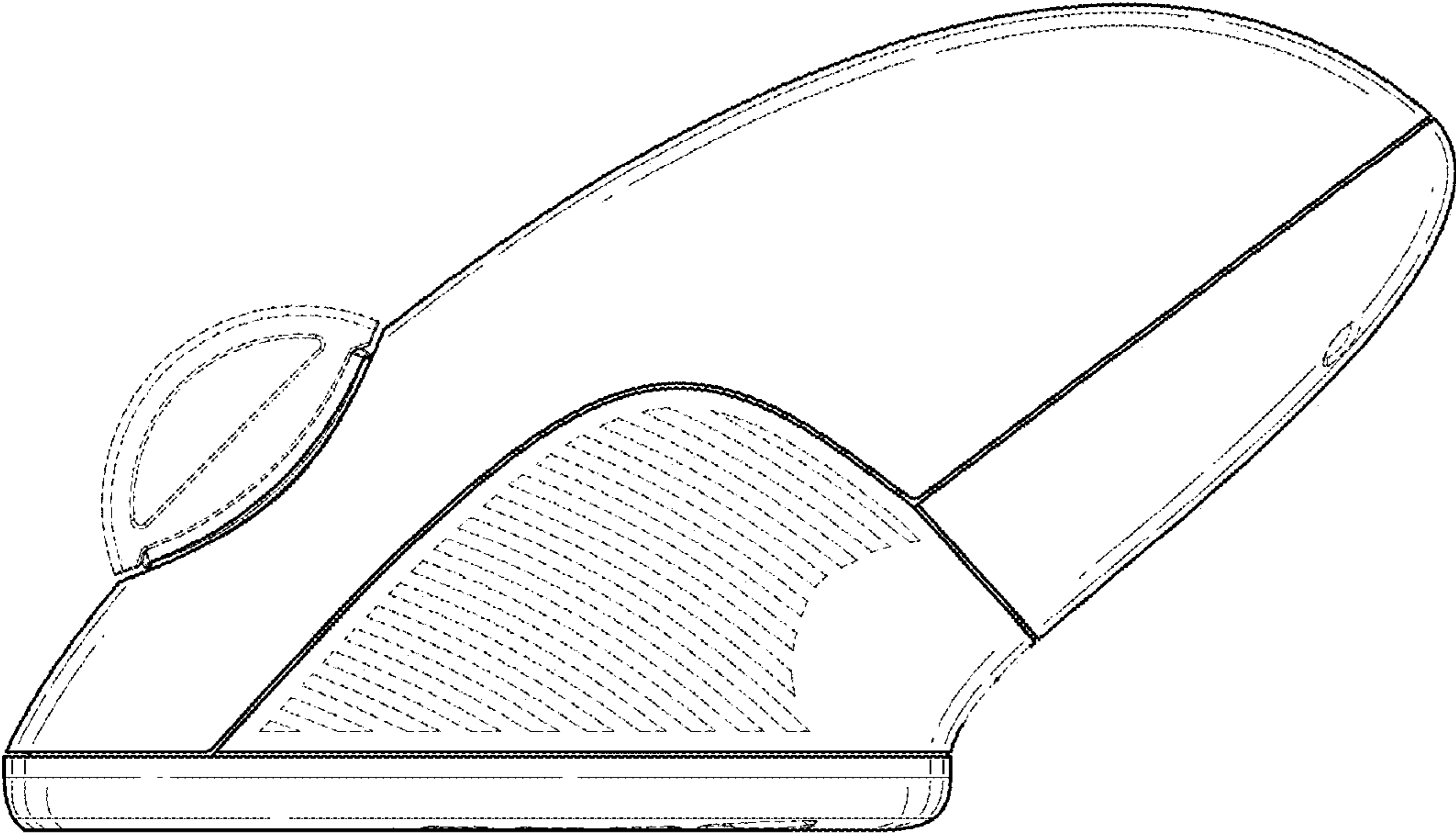


FIG. 4

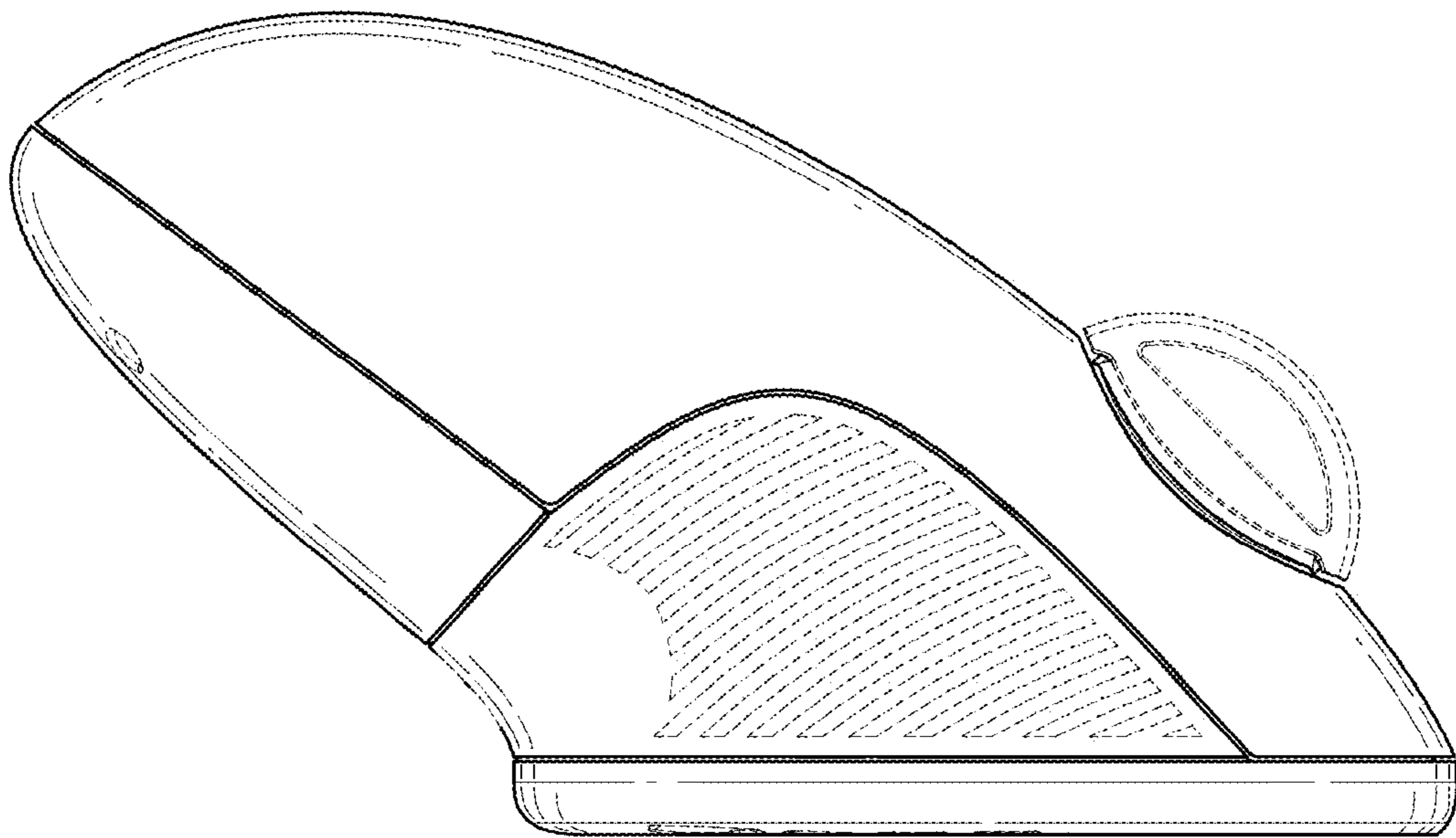


FIG. 5



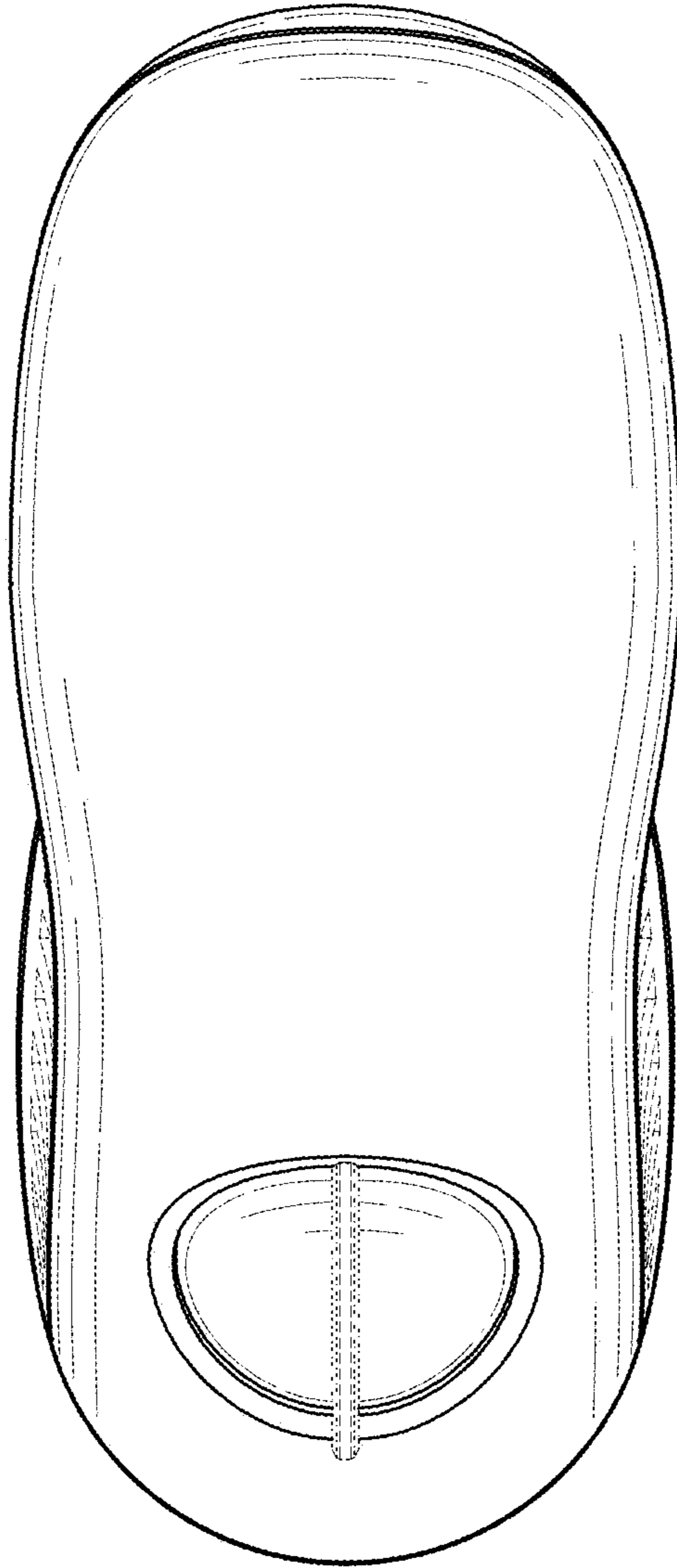


FIG. 6

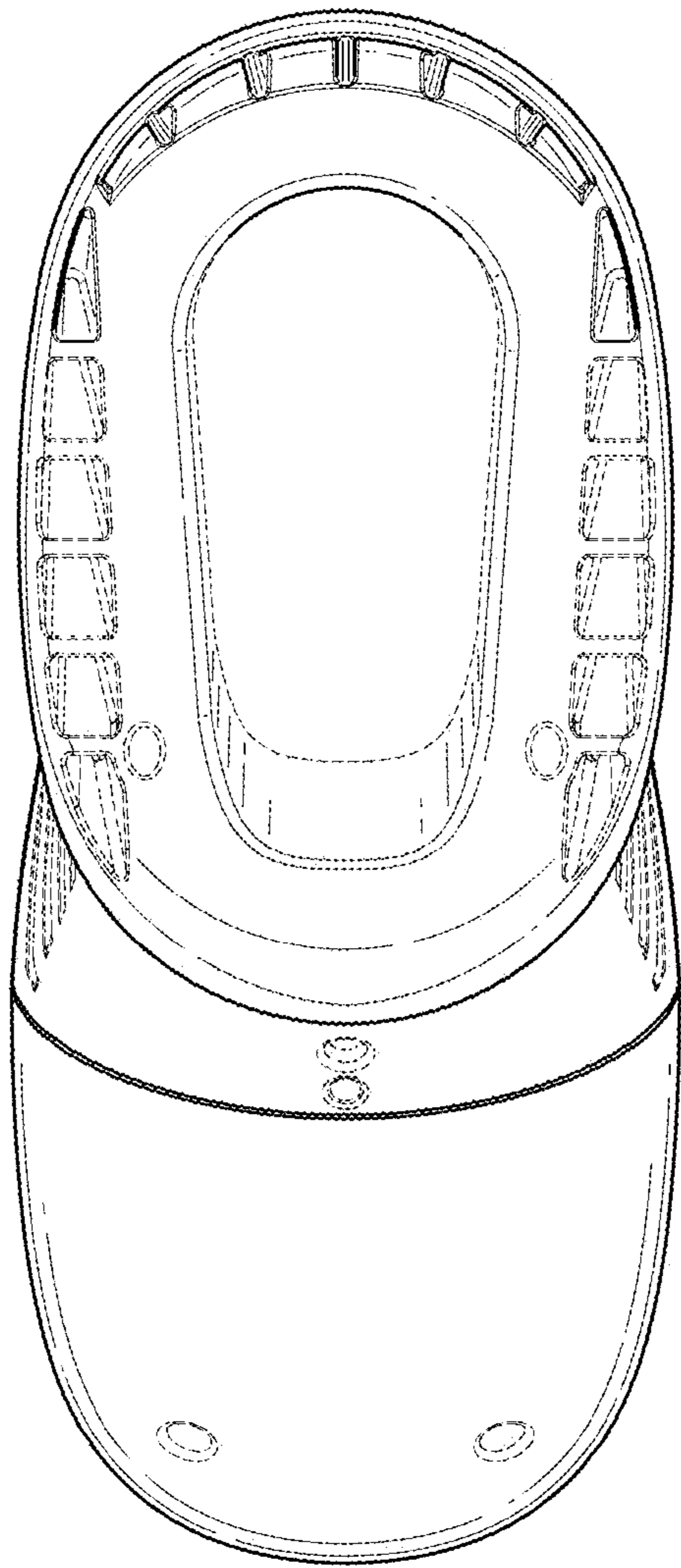


FIG. 7

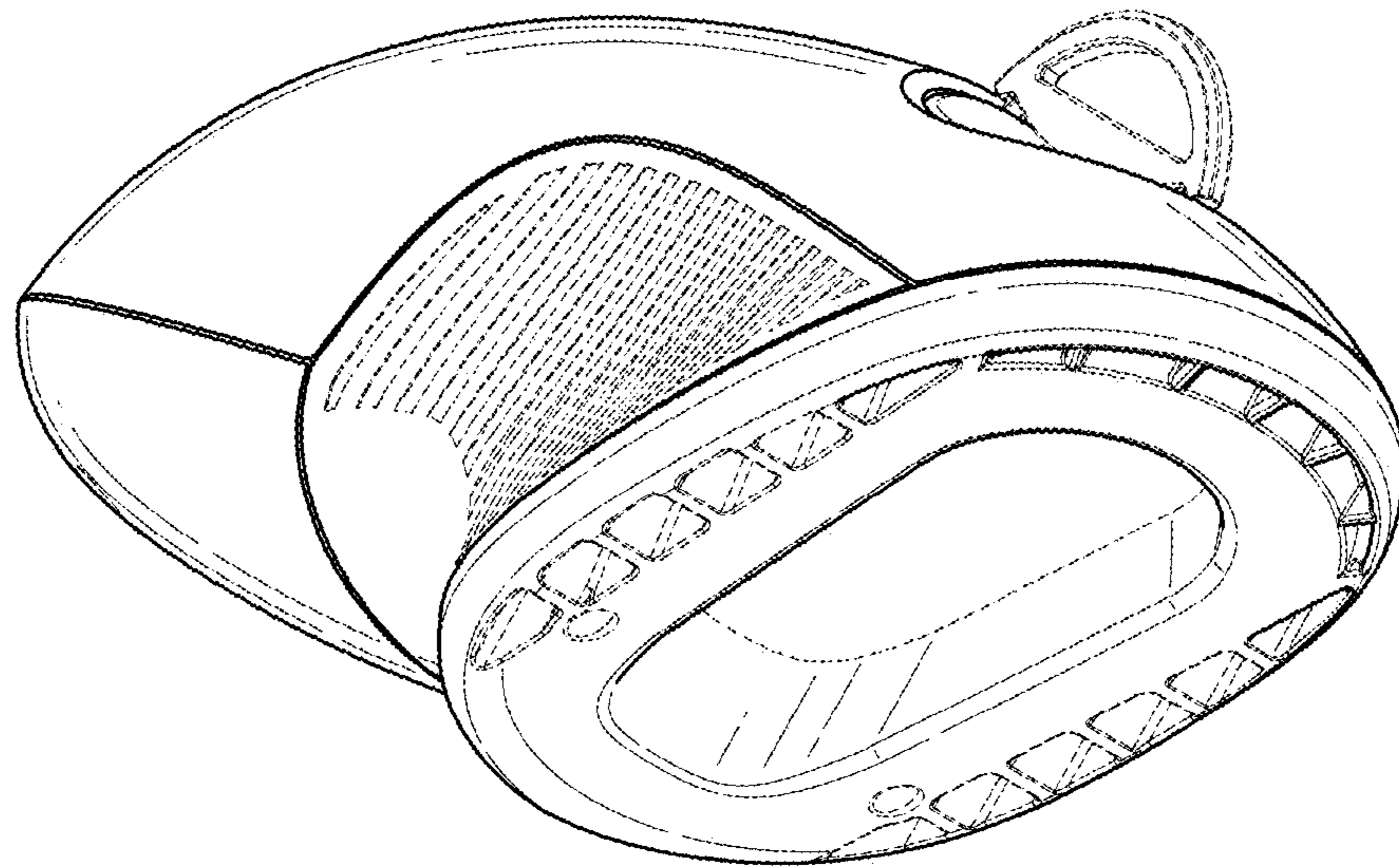


FIG. 8