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(12) **United States Design Patent** (10) **Patent No.:** **US D921,506 S**
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(54) **ELECTRONIC DEVICE FOR PROVIDING TRAVEL INFORMATION**

1/1637; G01D 1/026; F16M 13/022; F16M 11/041; F16M 11/06; H05K 5/0204
See application file for complete search history.

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(56) **References Cited**

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U.S. PATENT DOCUMENTS

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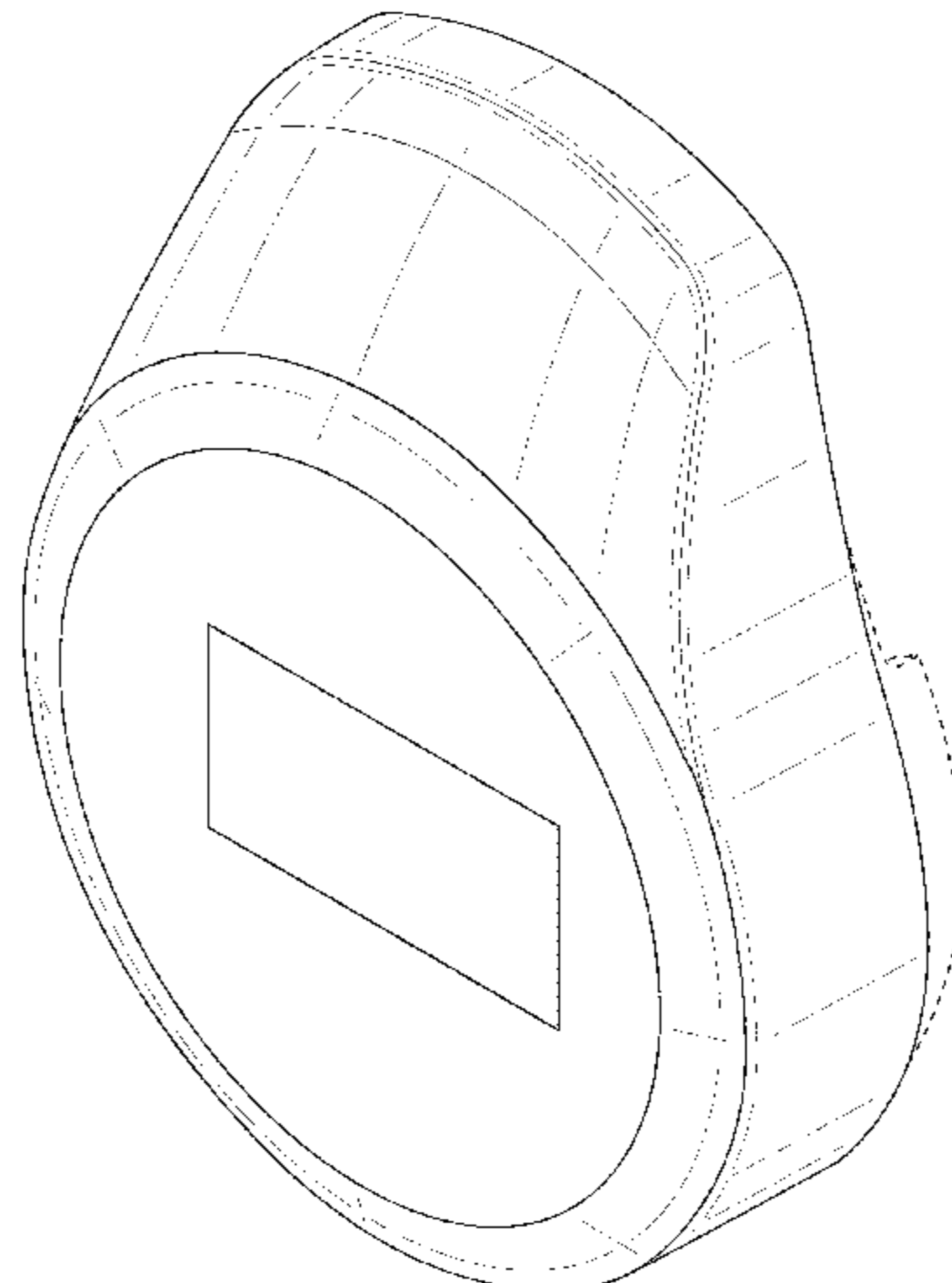
(51) **LOC (13) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/98**

(58) **Field of Classification Search**
USPC **D10/98**

CPC B62J 6/16; B62J 6/02; B62J 99/00; B62J 39/00; B62J 2099/0026; B62J 2099/002; B62J 2099/0013; B62J 1/12; B62J 2099/0033; B62J 11/00; B62J 45/20; A63B 24/00; A63B 2225/50; A63B 24/0006; A63B 24/0062; A63B 69/16; A63B 2024/0009; A63B 2024/0068; A63B 2024/0012; A63B 2230/06; A63B 71/0669; A63B 2220/17; A63B 2220/20; A63B 2220/30; A63B 2220/833; A63B 2225/20; A63B 2230/04; A63B 2230/202; A63B 2230/207; A63B 2230/30; A63B 2230/50; B62K 11/14; B62K 21/12; B62K 21/16; B62K 2207/00; B62L 1/12; B62L 3/00; G01P 11/00; G01P 3/50; G01P 3/481; G01P 3/487; G01P 3/488; G01P 3/4953; G01P 21/02; G01C 22/002; G01C 22/00; G06F 3/0488; G06F 1/1656; G06F 1/1626; G06F 1/1632; G06F

D334,897	S	*	4/1993	Katz	D10/98
5,323,321	A		6/1994	Smith		
5,654,892	A		8/1997	Fujii et al.		
D391,943	S		3/1998	Han		
6,243,646	B1		6/2001	Ozaki et al.		
6,876,920	B1		4/2005	Mailer		
D508,738	S		8/2005	Lodato et al.		
7,049,944	B2		5/2006	Uno		
7,057,153	B2		6/2006	Linge et al.		
D528,451	S		9/2006	Cunningham et al.		
7,200,490	B2		4/2007	Lange et al.		
7,277,792	B2		10/2007	Overschie		
7,295,904	B2		11/2007	Kanevsky et al.		
7,475,594	B2		1/2009	Schultz		
D588,486	S		3/2009	Falck-Andersen		
D611,366	S		3/2010	Register et al.		
7,750,796	B2		7/2010	Borroni-Bird et al.		
D621,832	S		8/2010	Lee et al.		
D630,955	S		1/2011	McAlpine et al.		
D642,184	S		7/2011	Brouwers et al.		
7,992,102	B1		8/2011	De Angelo		
D647,434	S		10/2011	Chambers et al.		
8,126,645	B2		2/2012	Hsu		
D659,564	S		5/2012	Baxter		
D661,206	S		6/2012	Register et al.		
D669,499	S		10/2012	Gardner et al.		
D669,894	S		10/2012	Cobbett et al.		
D670,696	S		11/2012	Cobbett et al.		
8,305,742	B2		11/2012	Onnela et al.		
D673,464	S		1/2013	Perko et al.		
D689,505	S		9/2013	Convay et al.		
D698,363	S		1/2014	Asai		
8,643,722	B2		2/2014	Solida		
D708,221	S		7/2014	Danton et al.		
D713,839	S		9/2014	Endo et al.		
8,825,390	B2		9/2014	Chen et al.		
D714,776	S		10/2014	Kirzinger et al.		
D716,325	S		10/2014	Brudnicki		
D717,759	S		11/2014	Choi et al.		
D720,637	S	*	1/2015	Au Yeung	D10/98
D724,621	S		3/2015	Rydenhag et al.		
D726,562	S		4/2015	Jeon		
D726,677	S		4/2015	Choi et al.		
D727,336	S		4/2015	Allison et al.		
D727,928	S		4/2015	Allison et al.		



D730,198 S	5/2015	Perko et al.
D738,244 S	9/2015	Shallice et al.
D739,872 S	9/2015	Bang et al.
D744,535 S	12/2015	Shin et al.
D748,101 S	1/2016	Bang et al.
D749,634 S	2/2016	Cho
D750,510 S	3/2016	Lenz et al.
D750,663 S	3/2016	Mariet et al.
D751,569 S	3/2016	Chaudhari et al.
D754,144 S	4/2016	Vazquez et al.
D754,675 S	4/2016	Vazquez et al.
D754,676 S	4/2016	Vazquez et al.
D761,857 S	7/2016	Mariet et al.
D763,910 S	8/2016	Drozd et al.
D765,549 S	9/2016	Khodapanah et al.
D765,656 S *	9/2016	Forakis D14/344
D765,718 S	9/2016	Vinna et al.
D768,124 S	10/2016	Daniels et al.
D768,673 S	10/2016	Kim et al.
D771,123 S	11/2016	Anzures et al.
D771,660 S	11/2016	Zimmerman et al.
D773,531 S	12/2016	Toth et al.
D776,130 S	1/2017	Contreras et al.
D776,680 S	1/2017	Bae et al.
D776,717 S	1/2017	Asai
D779,550 S	2/2017	Yang et al.
D786,278 S	5/2017	Motamedi
D787,533 S	5/2017	Butcher et al.
D798,315 S	9/2017	Prophete et al.
D798,326 S	9/2017	Kim et al.
D798,886 S	10/2017	Prophete et al.
D807,376 S	1/2018	Mizono et al.
D813,245 S	3/2018	Mariet et al.
D821,410 S	6/2018	Vinna et al.
D869,490 S	12/2019	Rondoni et al.
2008/0114534 A1	5/2008	Yamazaki et al.
2008/0123322 A1	5/2008	Tane et al.
2008/0234932 A1	9/2008	Lee
2009/0259398 A1	10/2009	Wang
2012/0056827 A1	3/2012	Kim et al.
2012/0078511 A1	3/2012	Lim
2013/0019182 A1	1/2013	Gil et al.
2013/0019208 A1	1/2013	Kotler et al.
2013/0191020 A1	7/2013	Emani et al.
2014/0053092 A1	2/2014	Grevinga et al.
2014/0343843 A1	11/2014	Yanku
2015/0106726 A1	4/2015	Nagasaki et al.
2015/0130944 A1	5/2015	Hsu
2015/0193446 A1	7/2015	Barnett et al.
2015/0193585 A1	7/2015	Sunna
2015/0239561 A1	8/2015	Hau et al.
2015/0285657 A1	10/2015	Sarvestani
2015/0325271 A1	11/2015	Kim et al.
2015/0346921 A1	12/2015	Erad et al.
2016/0058336 A1	3/2016	Blahnik et al.
2016/0221627 A1	8/2016	Hines et al.
2016/0272263 A1	9/2016	Zeindl
2016/0328023 A1	11/2016	Mistry et al.
2017/0068430 A1	3/2017	Brown et al.

FOREIGN PATENT DOCUMENTS

CN	203127034 U	8/2013
CN	103640656 A	3/2014
DE	19906596 A1	5/2000
DE	20213414 U1	2/2003
DE	102005004202 A1	8/2006
KR	101318148 B1	10/2013
KR	3007607000000	9/2014
TW	M395833 U1	1/2011
WO	2014205345 A2	12/2014
WO	2016128586 A1	8/2016

OTHER PUBLICATIONS

Office Action with regard to the counterpart U.S. Appl. No. 29/596,638 dated Feb. 5, 2020.

Prajapati, “Circular Indeterminate Progressbar” dated May 30, 2013, codeproject.com [online]. Retrieved Jan. 31, 2020 from internet <URL:https://www.codeproject.com/Tips/600520/Circular-Indeterminate-Progressbar> (Year: 2013).

Electronic Device—Les Solutions Cyclelabs (Design—© Questel). orbit.com [online PDF] 3 pages. Print Date Nov. 13, 2015 [retrieved on Nov. 19, 2016] https://sobjprd.questel.fr/export/QPTUJ214/pdf2/0a967bla-596e-4340-b262-1865c4f39085-144155.pdf.

Intelligent bicycle navigational system. (Design—© Questel). orbit.com [online PDF] 5 pages. Print Date Feb. 3, 2016 2015 [retrieved on Nov. 19, 2016] https://sobjprd.questel.fr/export/QPTUJ214/pdf2/5ef1897e-8a66-4be6-9456-8257e213e035-150605.pdf.

SmartHalo is a heavenly simple bike navigator and tracker that thwarts thieves. digitaltrends.com. (online) 1 pg. Uploaded Aug. 28, 2015 [retrieved on Nov. 19, 2016] http://www.digitaltrends.com/health-fitness/smarthalo-bike-gps/.

SmartHalo—Turn any bike into a smart bike. youtube.com. (online) 1 pg. Uploaded Aug. 25, 2015 [retrieved on Nov. 19, 2016] https://www.youtube.com/watch?v=lfkKndy016o.

Office Action with regard to the CA Patent Application 2,911,003 issued by the CIPO dated Sep. 20, 2017.

English Translation of DE102005004202 retrieved from the internet (Orbit Intelligence site) on Dec. 22, 2016.

“Beeline navigation system could revolutionize how we cycle in cities (video)”, Stuart Clarke, Aug. 12, 2015, retrieved from the internet: http://www.cyclingweekly.co.uk/news/product-news/beeline-navigation-system-could-revolutionise-how-we-cycle-in-cities-video-186828.

International Search Report and Written Opinion with regard to the counterpart application PCT/IB2016/055555 dated Dec. 22, 2016. English Abstract of CN203127034 retrieved on Espacenet on Nov. 3, 2015.

English Abstract of DE20213414 retrieved on Espacenet on Nov. 3, 2015.

English Abstract of CN103640656 retrieved on Espacenet on Nov. 3, 2015.

English Abstract of KR101318148 retrieved on Espacenet on Nov. 3, 2015.

English Abstract of DE19906596 retrieved on Espacenet on Nov. 3, 2015.

VICE retrieved from http://www.damonahola.com/vice-smart-bike-system/ on Nov. 3, 2015.

Baidu DuBike retrieved from http://dubike.baidu.com/web-en.html on Nov. 3, 2015.

Vanhawks Valour retrieved from https://www.vanhawks.com/ on Nov. 3, 2015.

Helios retrieved from http://www.ridehelios.com/ on Nov. 3, 2015.

Cookee retrieved from http://kicktrend.com/2015/08/06/cookee-smart-bike-for-the-young/ on Nov. 3, 2015.

BiCi retrieved from http://www.pozible.com/project/188953 on Nov. 3, 2015.

Wahoo ELEMNT retrieved from http://www.wahoofitness.com/gps-bike-computer-elemnt.html on Nov. 3, 2015.

HAIKU retrieved from http://www.haiku.bike/ on Nov. 3, 2015.

Canyon retrieved from http://www.bikeradar.com/news/article/canyons-smart-bike-computer-is-a-world-first-45123/ on Nov. 3, 2015.

Notice of Allowance with regard to the counterpart TW Patent Application No. 108306670 and Search Report completed Jan. 18, 2021.

English Abstract for KR3007607000000 retrieved on http://engdtj.kipris.or.kr/engdtj/searchLogina.do?method=loginDG on Feb. 9, 2021.

* cited by examiner

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(57) CLAIM

The ornamental design for electronic device for providing travel information, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view taken from a top, left side of an electronic device for providing travel information according to a first embodiment of our design;

FIG. 2 is a top plan view of the electronic device for providing travel information of FIG. 1;

FIG. 3 is a bottom plan view of the electronic device for providing travel information of FIG. 1;

FIG. 4 is a right side elevation view of the electronic device for providing travel information of FIG. 1;

FIG. 5 is a left side elevation view of the electronic device for providing travel information of FIG. 1;

FIG. 6 is a front elevation view of the electronic device for providing travel information of FIG. 1;

FIG. 7 is a rear elevation view of the electronic device for providing travel information of FIG. 1;

FIG. 8 is a perspective view taken from a top, left side of an electronic device for providing travel information according to a second embodiment of our design;

FIG. 9 is a top plan view of the electronic device for providing travel information of FIG. 8;

FIG. 10 is a bottom plan view of the electronic device for providing travel information of FIG. 8;

FIG. 11 is a right side elevation view of the electronic device for providing travel information of FIG. 8;

FIG. 12 is a left side elevation view of the electronic device for providing travel information of FIG. 8;

FIG. 13 is a front elevation view of the electronic device for providing travel information of FIG. 8; and,

FIG. 14 is a rear elevation view of the electronic device for providing travel information of FIG. 8.

Throughout the Figures, where shown, (i) the broken lines showing additional structure of the electronic device for providing travel information are for illustrative purposes only and form no part of the claimed design; and (ii) the unshaded surfaces form no part of the claimed design.

1 Claim, 14 Drawing Sheets

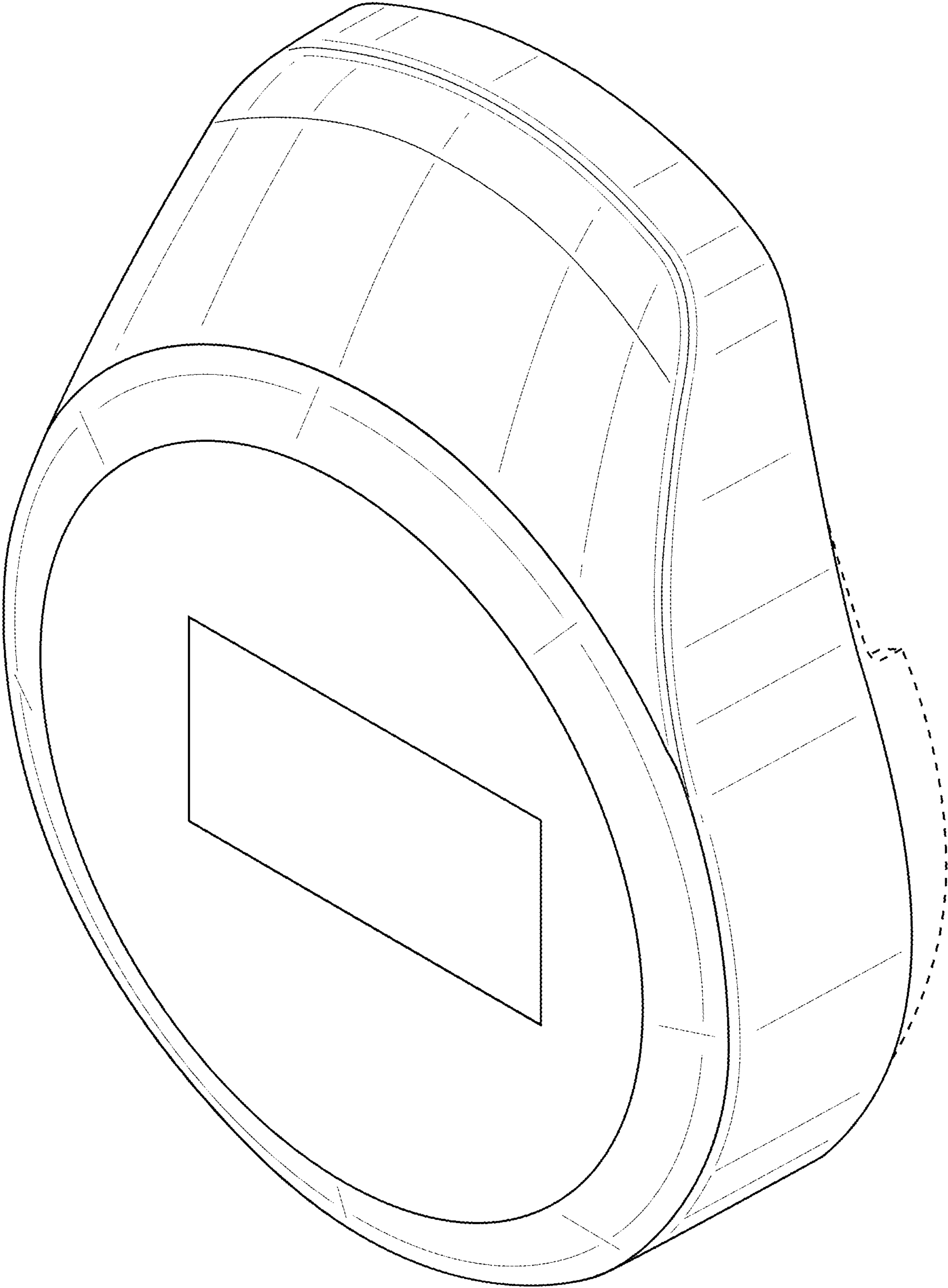


FIG. 1

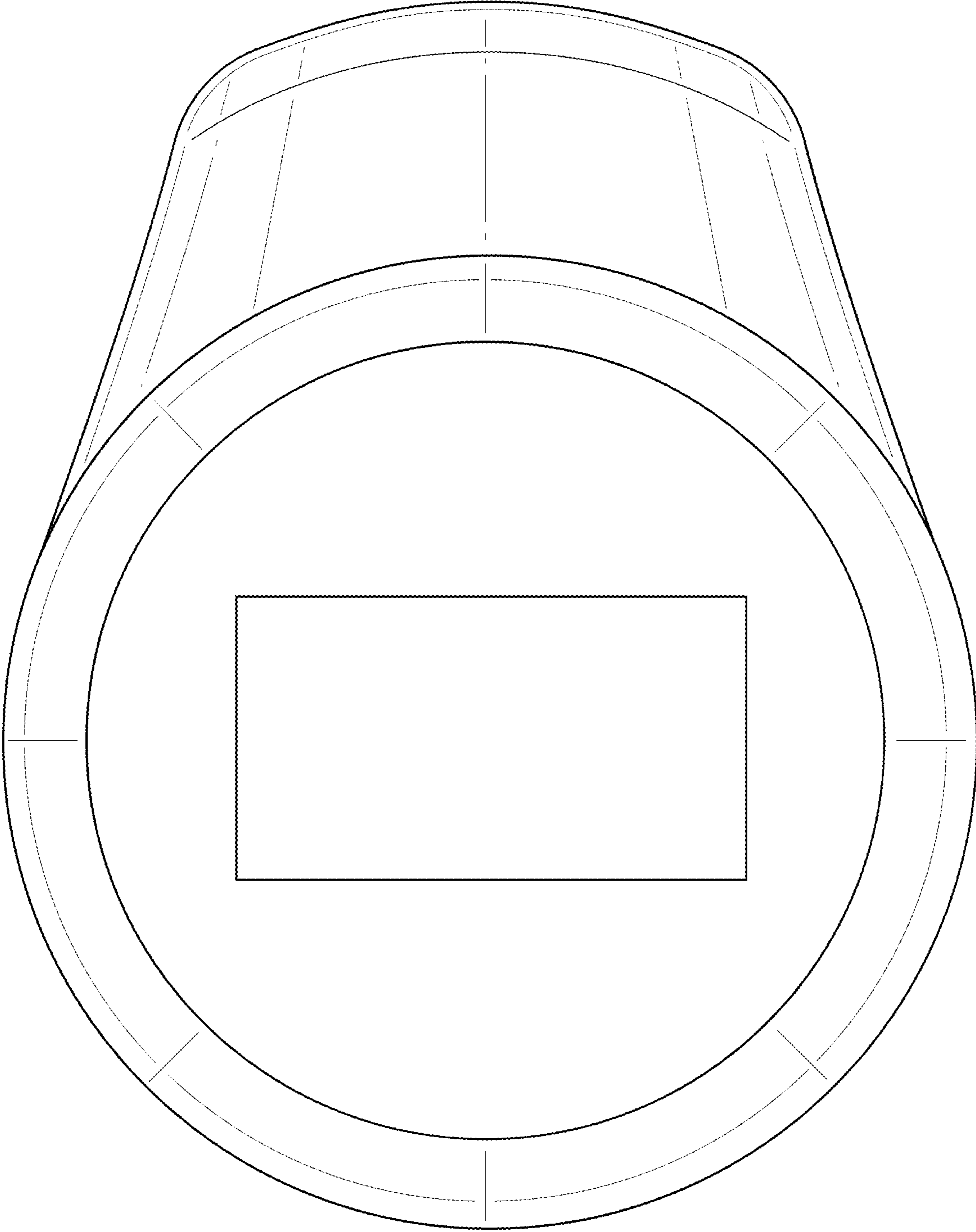


FIG. 2

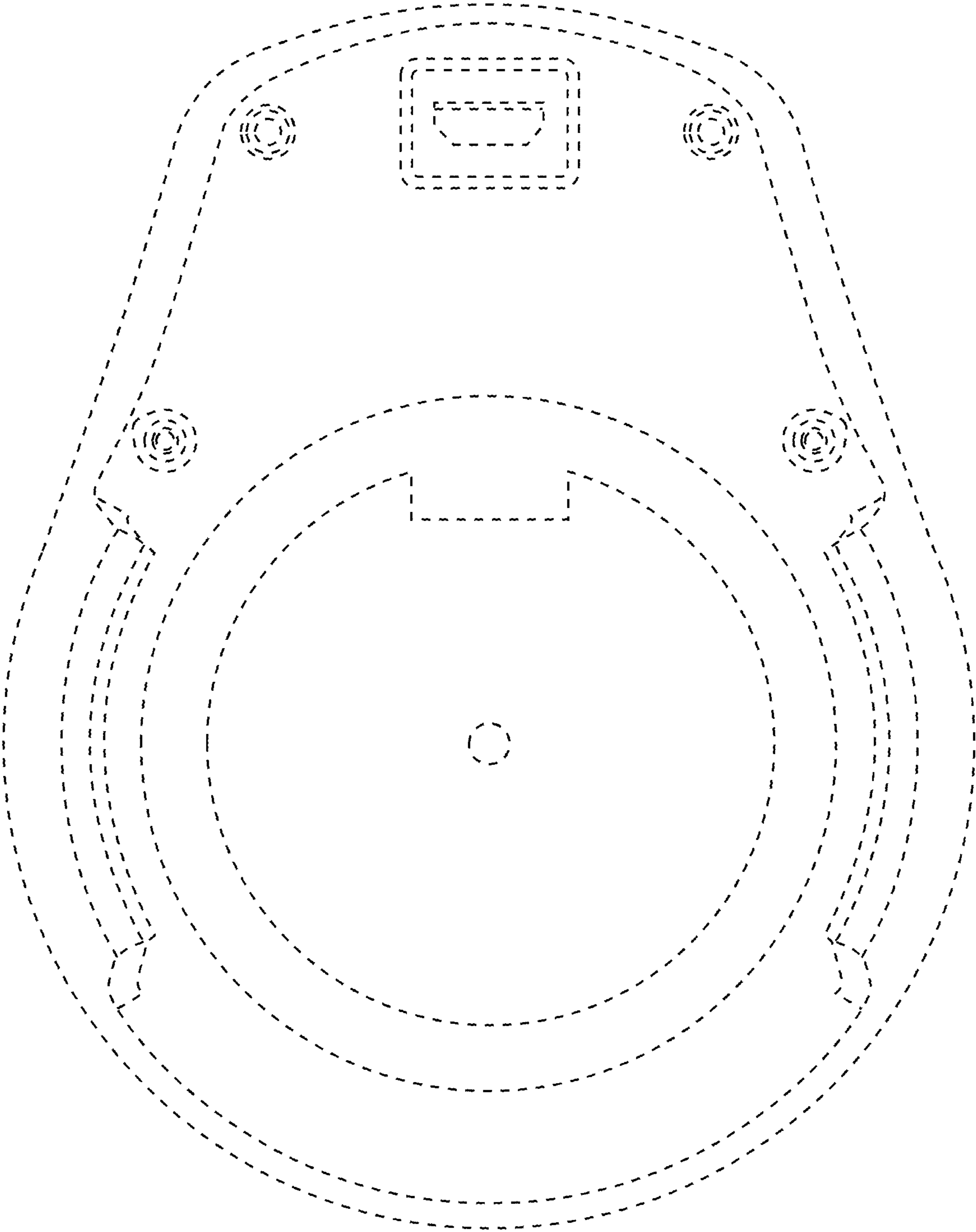


FIG. 3

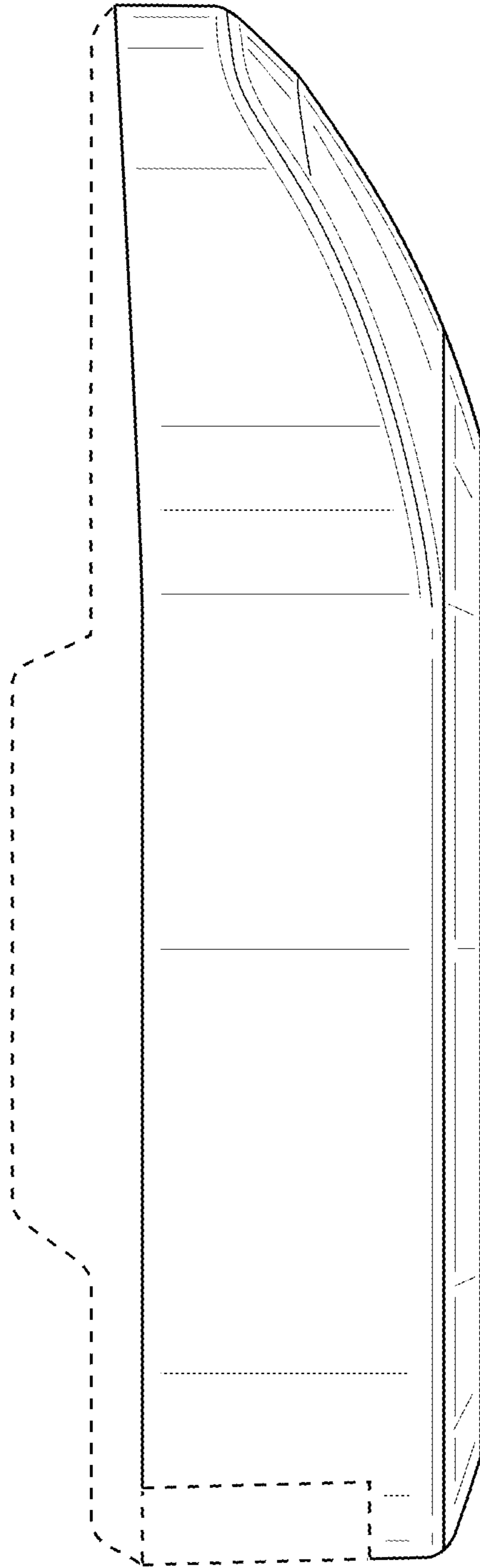


FIG. 4

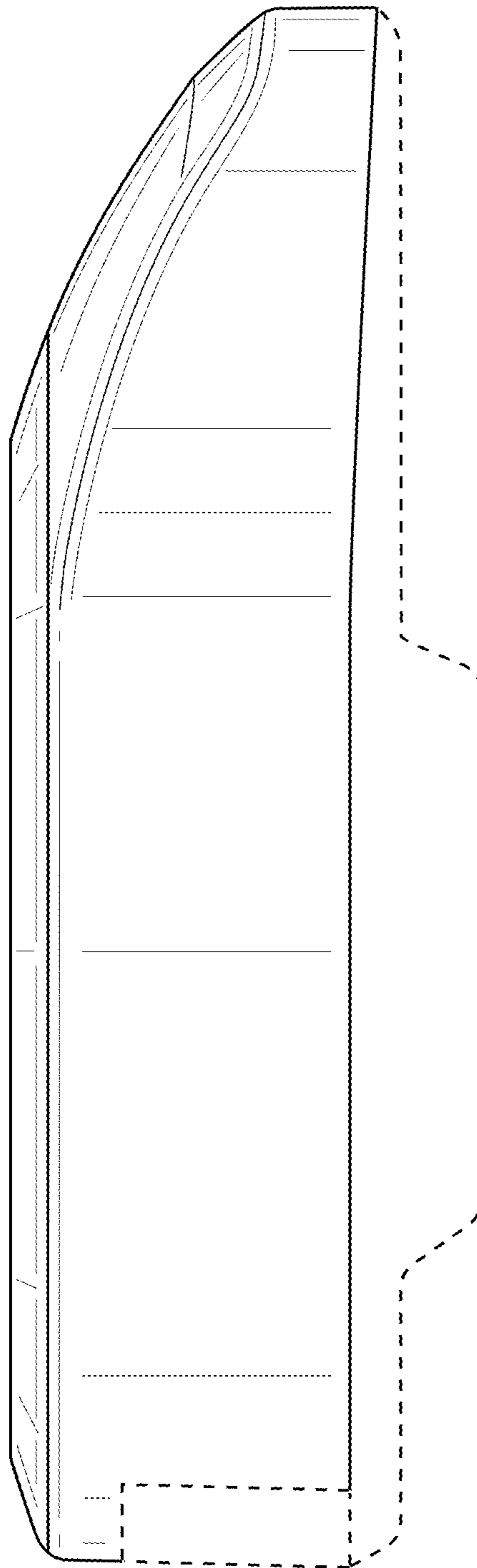


FIG. 5

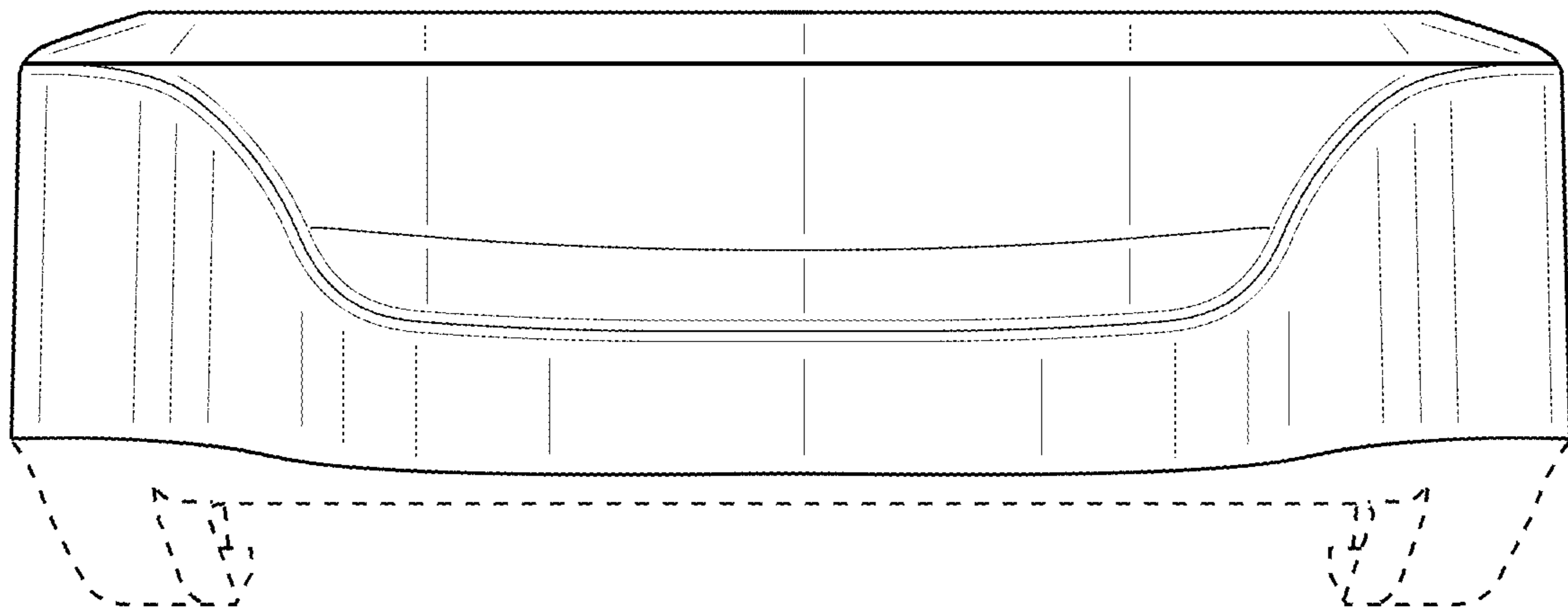


FIG. 6

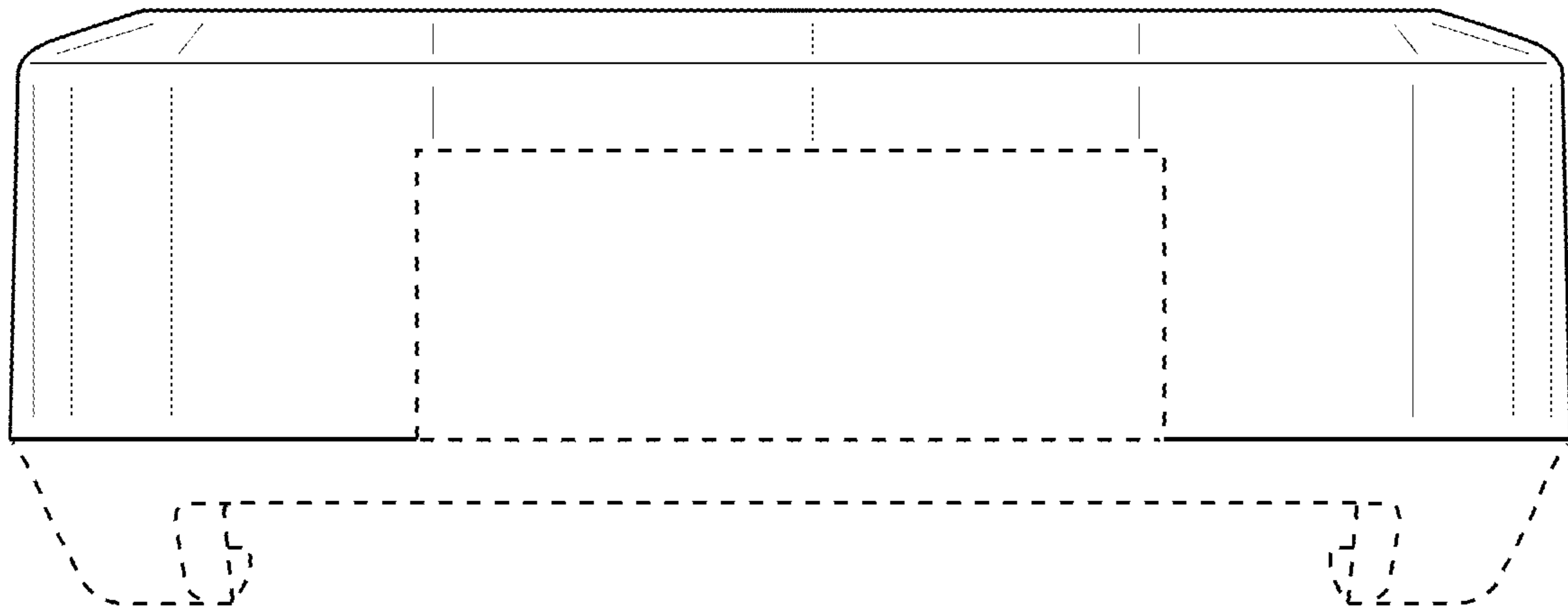


FIG. 7

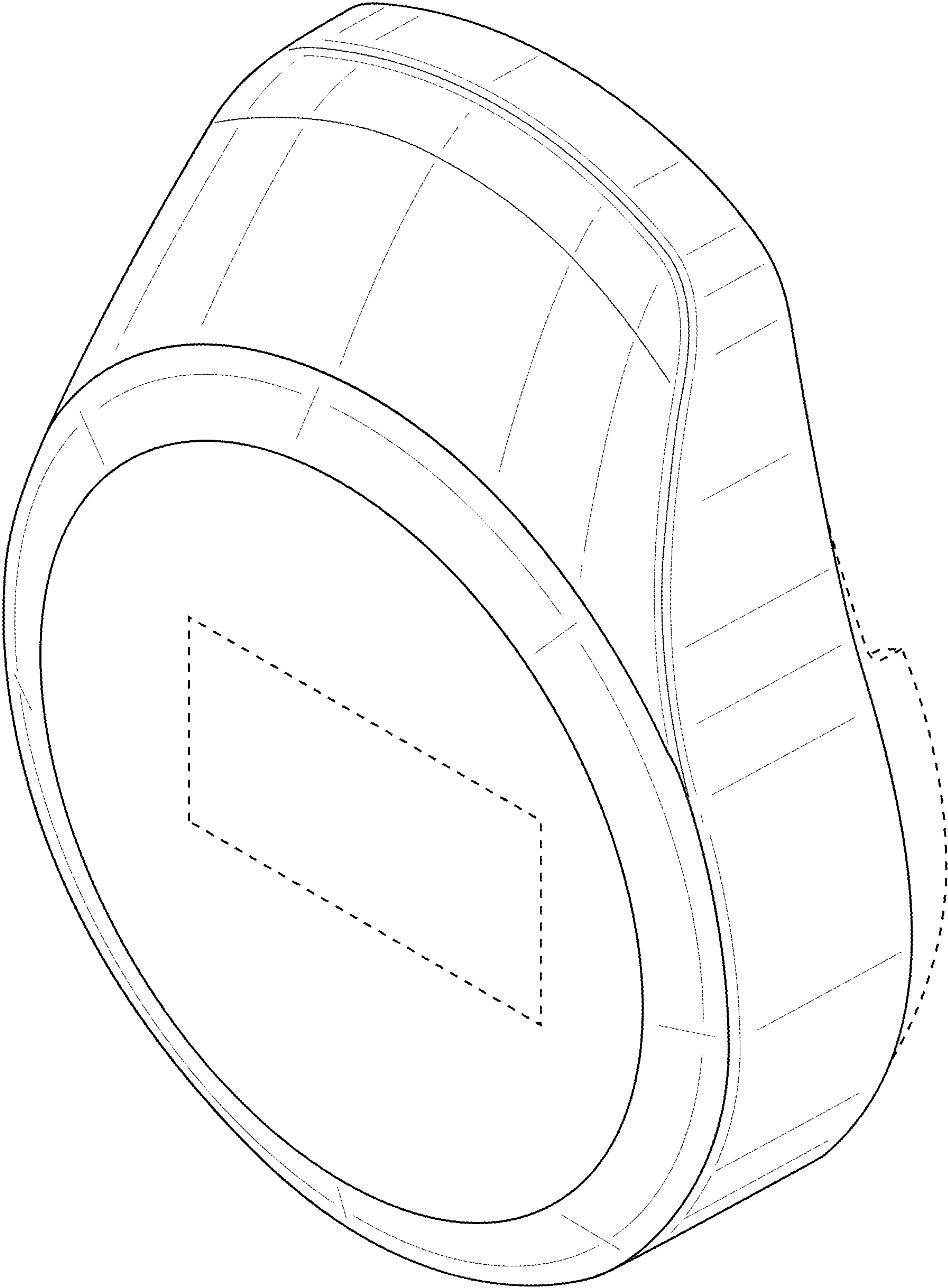


FIG. 8

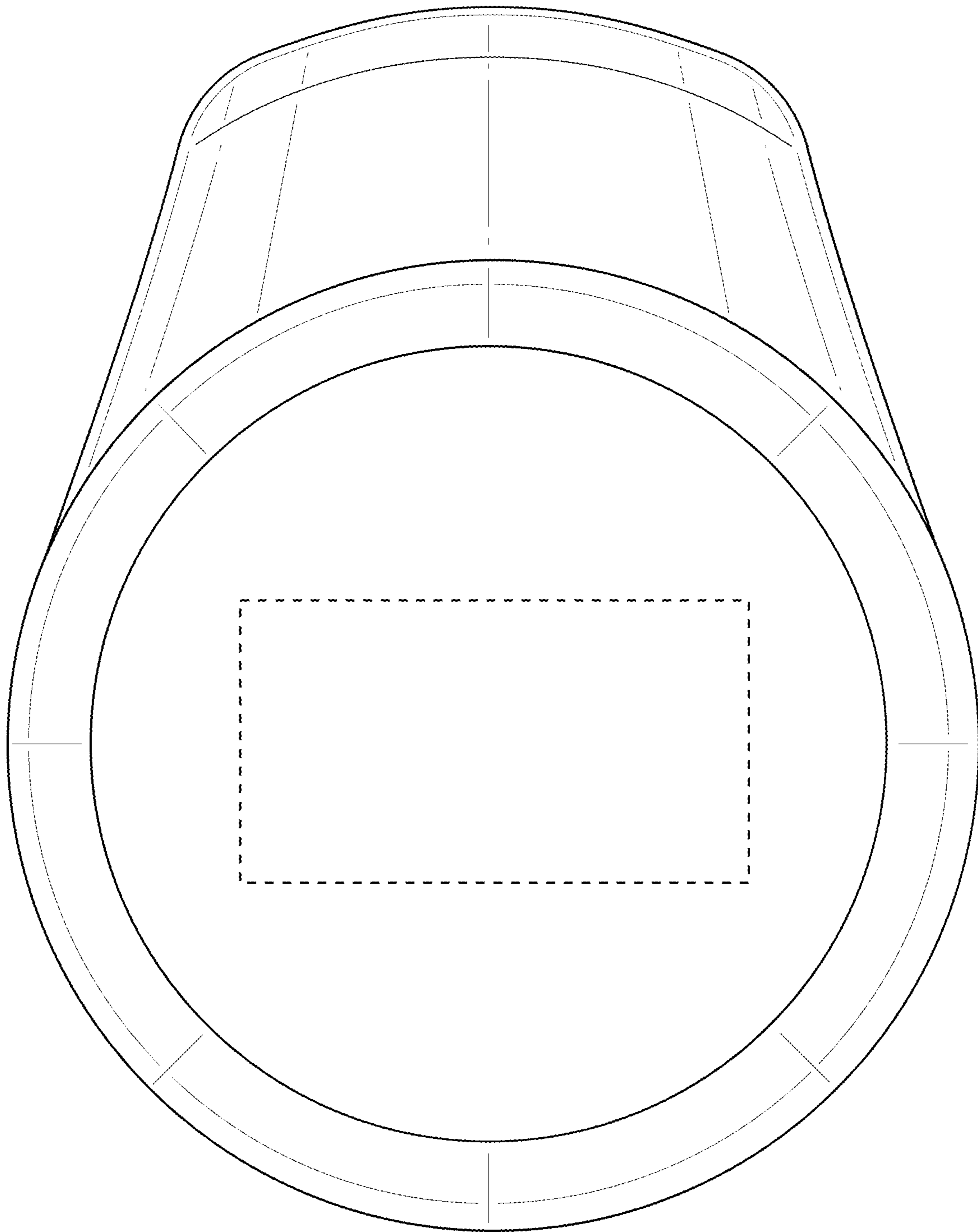


FIG. 9

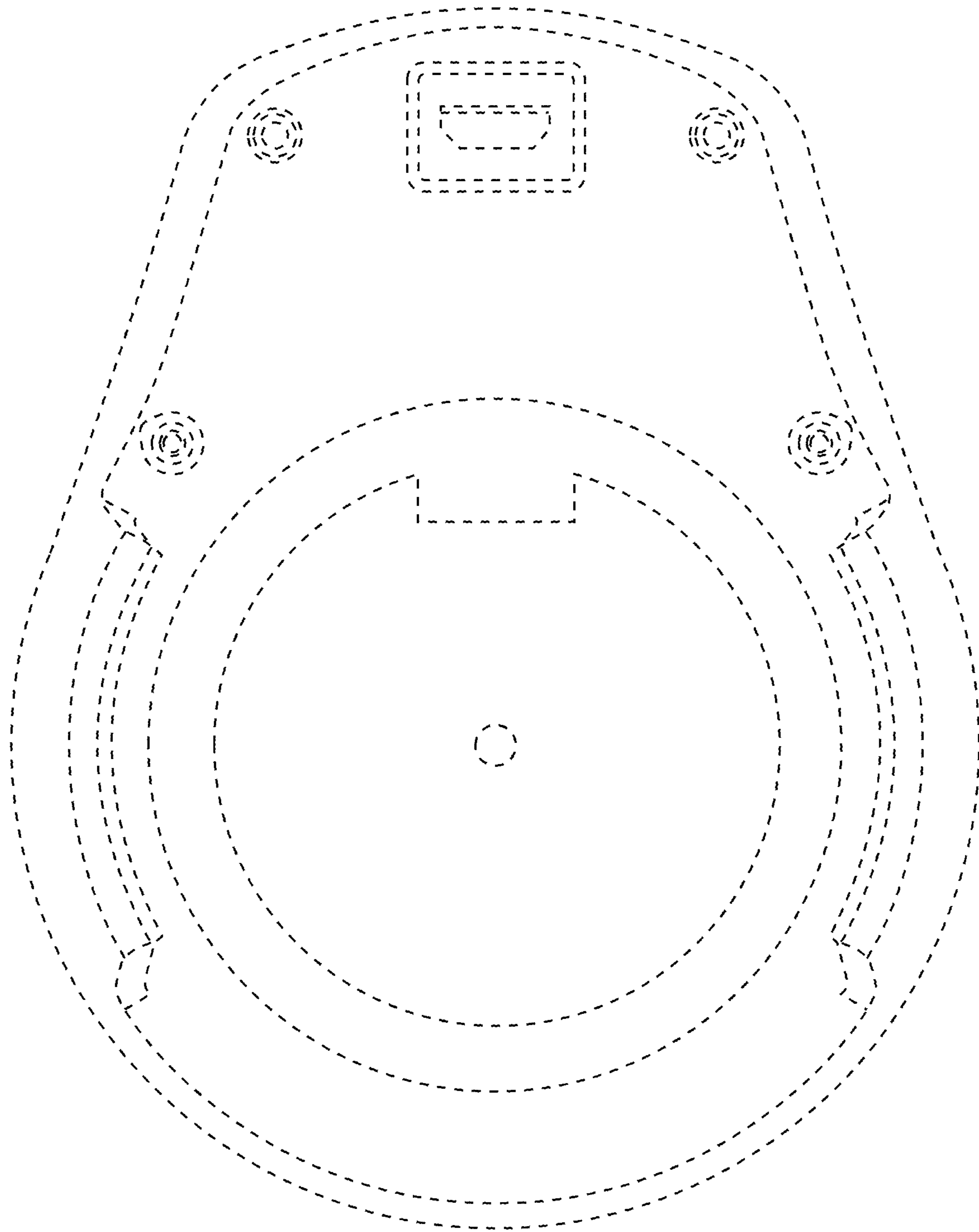


FIG. 10

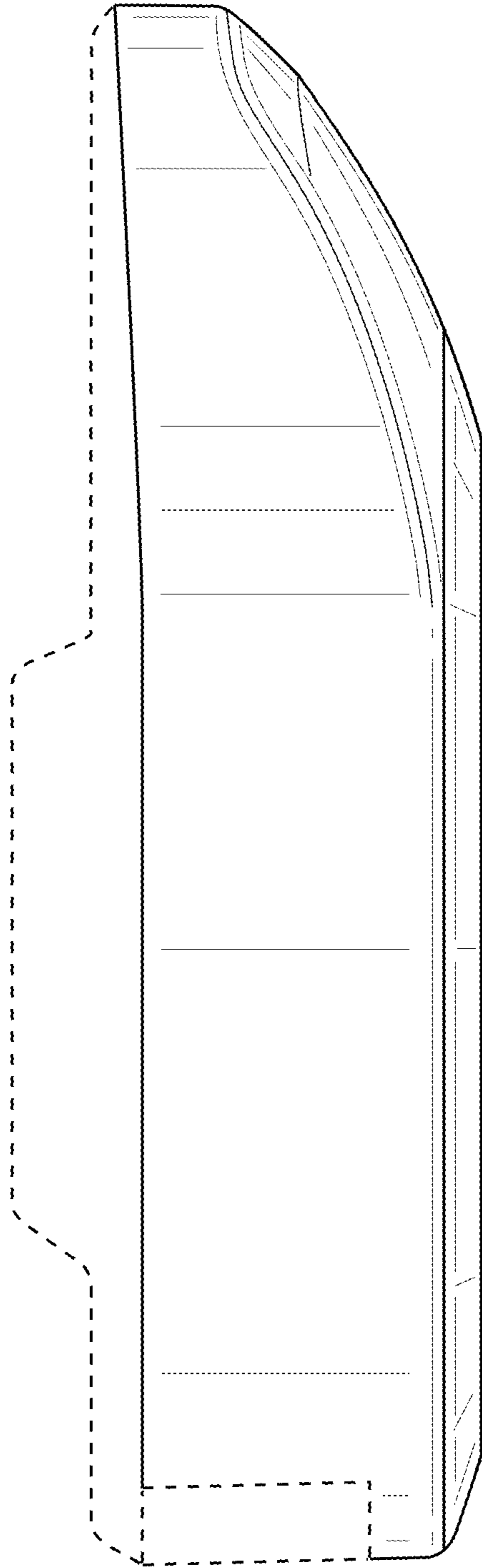


FIG. 11

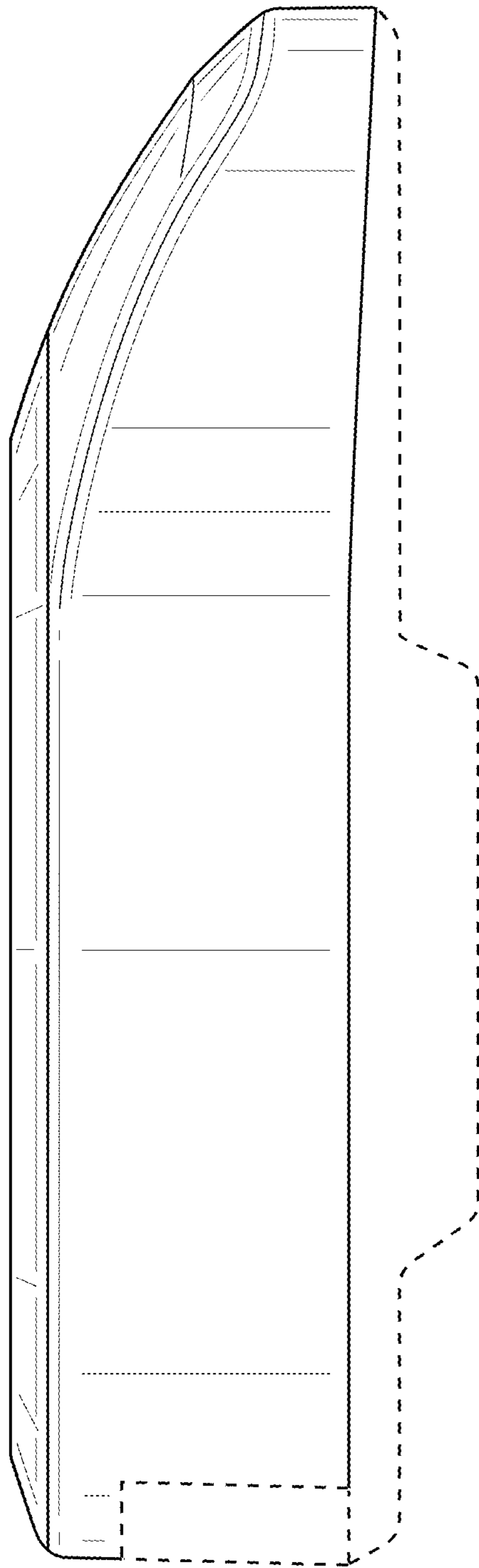


FIG. 12

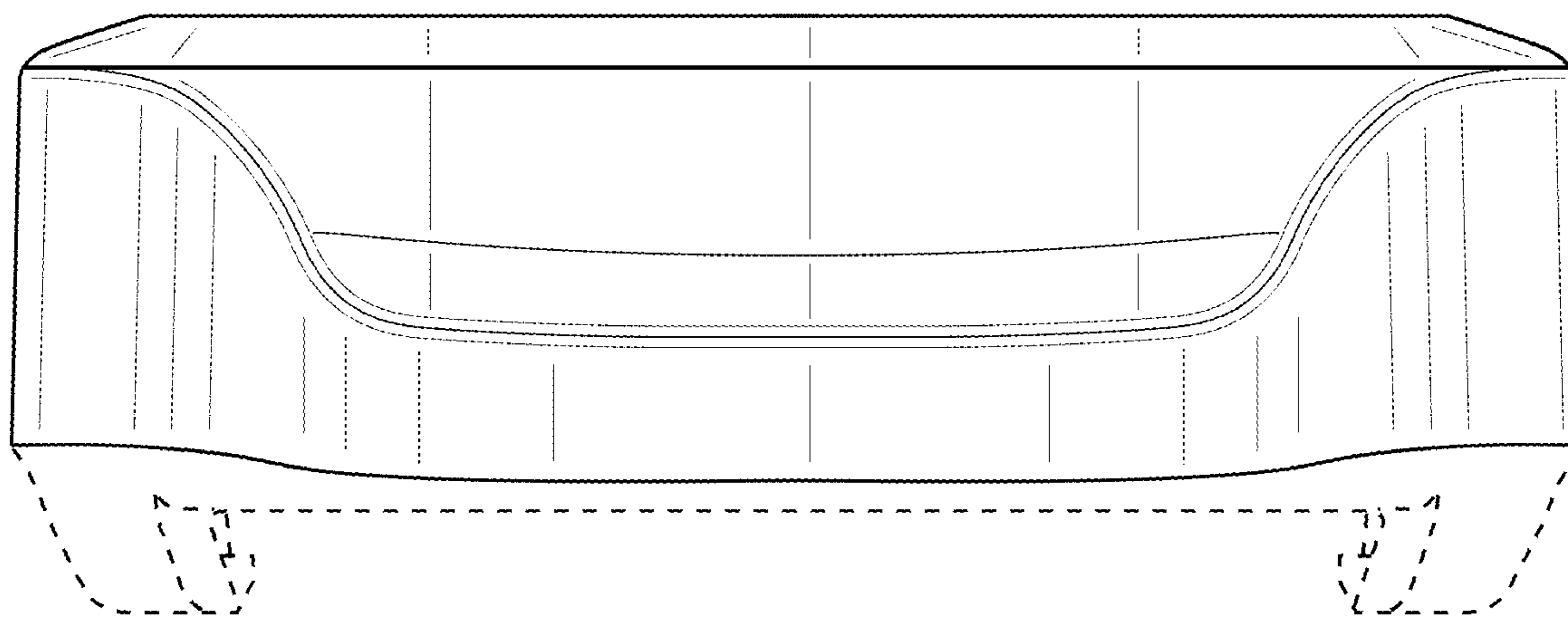


FIG. 13

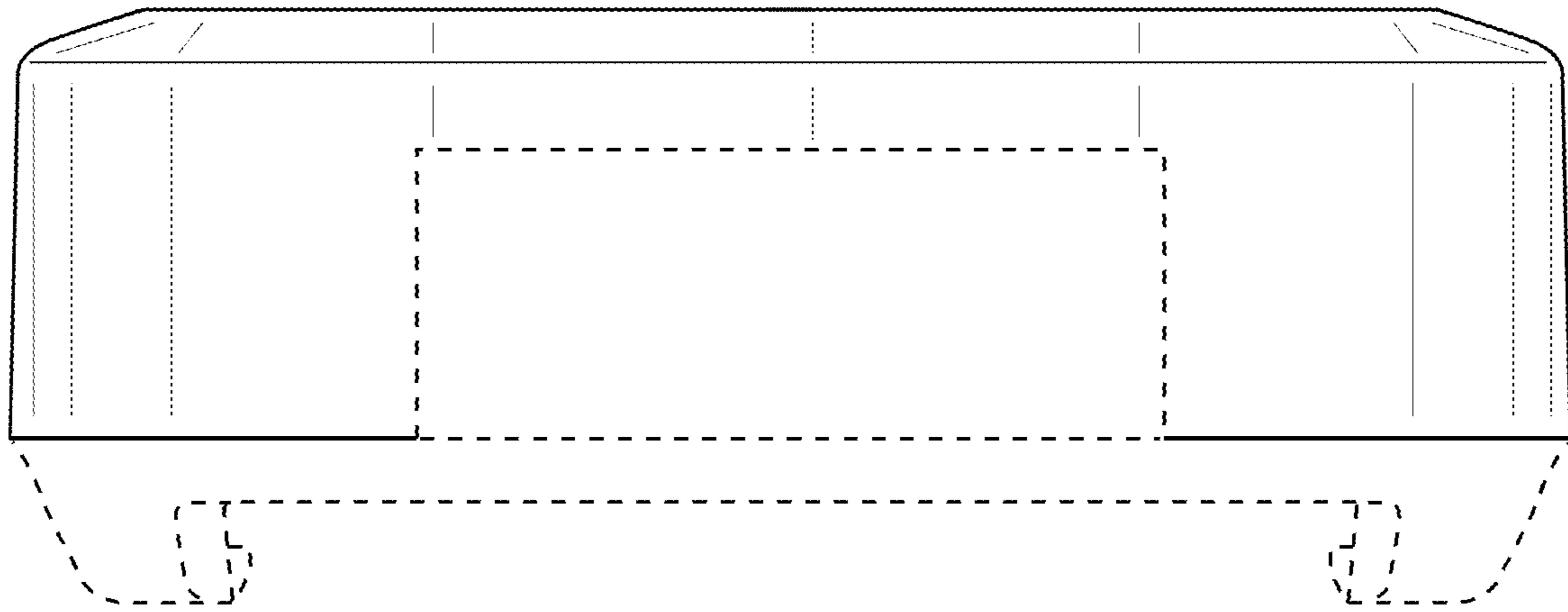


FIG. 14