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(12) **United States Design Patent**  
**Wernimont et al.**

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(54) **SENSOR MODULE**

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(73) Assignee: **Hills Pet Nutrition, Inc.**, Topeka, KS (US)

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(52) **U.S. Cl.**  
USPC ..... **D10/104.1**; D30/199

(58) **Field of Classification Search**  
USPC ..... D10/46, 104.1, 104.2; D14/344;  
D24/186; D30/152, 155, 199  
CPC .. A01K 15/021; A01K 29/005; A01K 11/008;  
A01K 29/00; A01K 15/022  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,612,719	A *	9/1986	de Jong	.....	A44B 11/006
					40/658
5,046,453	A *	9/1991	Vinci	.....	A01K 15/022
					239/152
5,434,759	A *	7/1995	Endo	.....	G09F 13/22
					362/108
D410,206	S *	5/1999	Slater	.....	D10/104.1
D478,830	S *	8/2003	So	.....	D30/152

6,712,025	B2	3/2004	Peterson et al.	
6,720,879	B2	4/2004	Edwards	
6,830,014	B1	12/2004	Lalor	
D520,894	S *	5/2006	Zakharyan	..... D30/199
D523,998	S	6/2006	Nottingham et al.	
D526,590	S *	8/2006	So	..... D10/104.1
D545,220	S	6/2007	Leung	
7,345,588	B2	3/2008	Gerig	
7,420,473	B2	9/2008	Eicken et al.	
7,771,112	B2	8/2010	Morgan	
7,864,057	B2	1/2011	Milnes et al.	
D637,365	S *	5/2011	Li	..... D30/155

(Continued)

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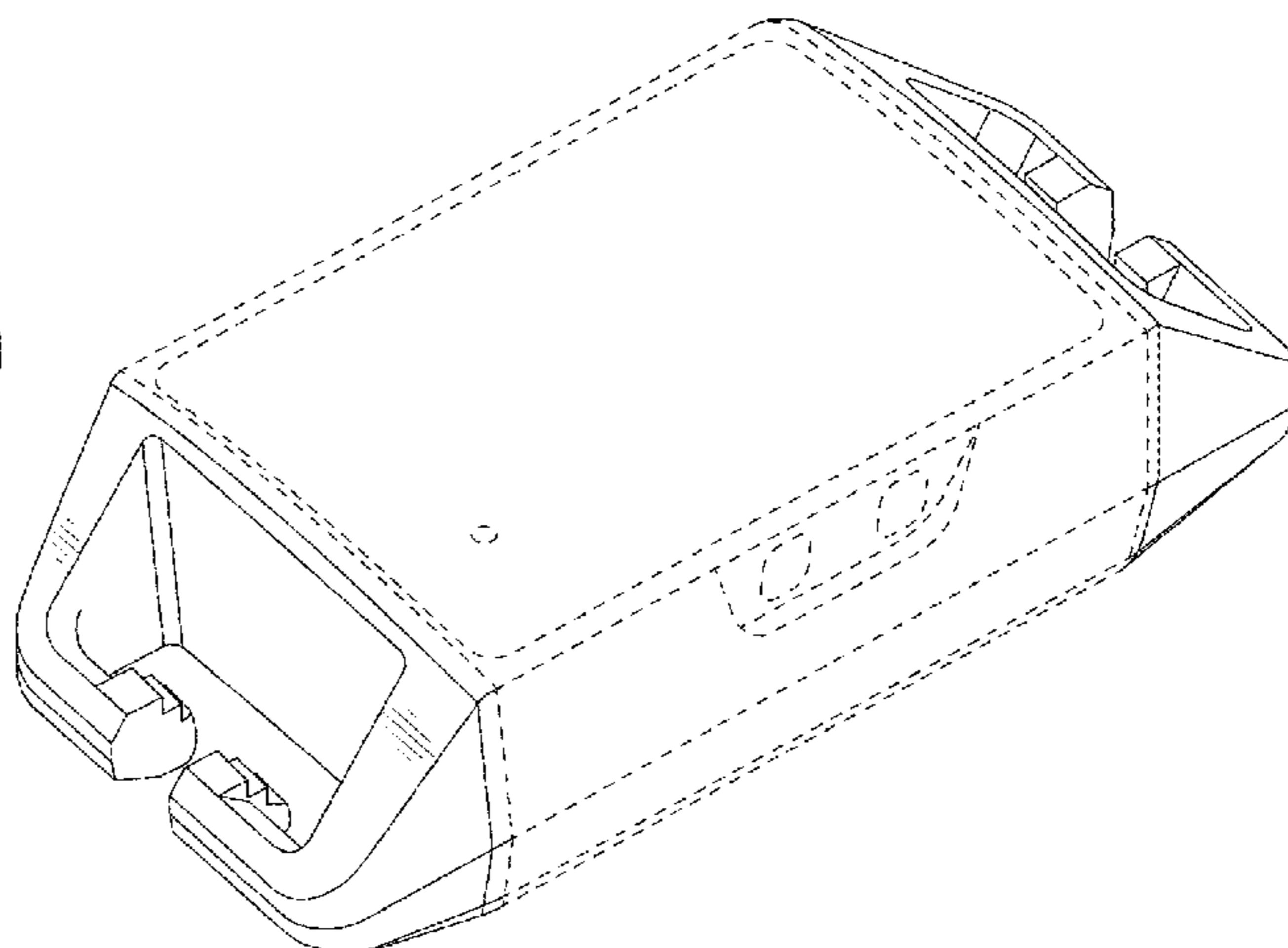
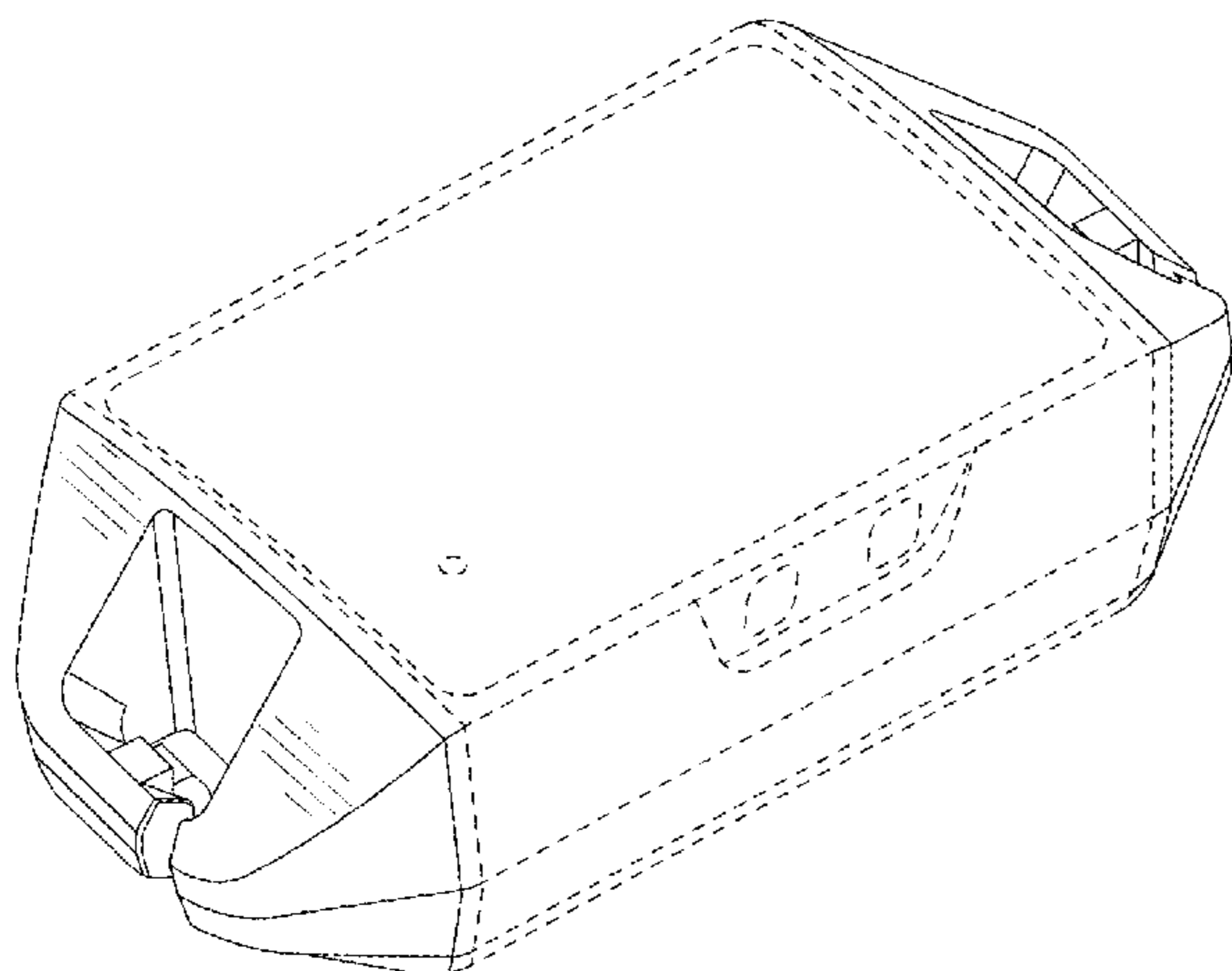
(57) **CLAIM**

The ornamental design for a sensor module, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a sensor module according to a first embodiment of the new design; FIG. 2 is front view thereof; FIG. 3 is a rear view thereof; FIG. 4 is a right side view thereof; FIG. 5 is a left side view thereof; FIG. 6 is a top view thereof; and FIG. 7 is bottom view thereof. FIG. 8 is a front perspective view of a sensor module according to a second embodiment of the new design; FIG. 9 is front view thereof; FIG. 10 is a rear view thereof; FIG. 11 is a right side view thereof; FIG. 12 is a left side view thereof; FIG. 13 is a top view thereof; and, FIG. 14 is bottom view thereof. The dashed broken lines illustrating portions of the sensor module form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

8,181,607 B2 \* 5/2012 Kim ..... A01K 15/021  
119/908  
D665,952 S 8/2012 Guo  
D745,515 S \* 12/2015 Solomon ..... D14/344  
D751,550 S \* 3/2016 Solomon ..... D14/344  
D752,996 S \* 4/2016 Ebersold ..... D14/344  
D759,011 S \* 6/2016 Akana ..... D14/344  
D760,716 S \* 7/2016 Akana ..... D14/344  
D760,717 S \* 7/2016 Solomon ..... D14/344  
D761,499 S 7/2016 Pulliam et al.  
D795,719 S \* 8/2017 Lean ..... D14/344  
D802,587 S \* 11/2017 Lee ..... D14/344  
9,861,080 B1 \* 1/2018 Hathway ..... A01K 27/001  
D811,387 S \* 2/2018 Kim ..... D14/344  
D816,522 S \* 5/2018 Zhou ..... D14/344  
D835,364 S \* 12/2018 Lee ..... D10/104.1  
10,231,440 B2 3/2019 Seltzer et al.  
D852,436 S \* 6/2019 Leach ..... D30/152  
D853,666 S \* 7/2019 Ni ..... D10/104.1  
D858,517 S \* 9/2019 Kern ..... D14/344  
D858,904 S \* 9/2019 Zinn ..... D10/104.1  
D863,296 S \* 10/2019 Kern ..... D14/344  
D898,613 S \* 10/2020 Stapleton ..... D30/152

D908,882 S \* 1/2021 De Marco ..... D24/165  
D917,467 S \* 4/2021 Akana ..... D14/344  
D929,051 S \* 8/2021 Li ..... D10/104.1  
D929,682 S \* 8/2021 Li ..... D10/104.1  
D936,917 S \* 11/2021 Li ..... D10/104.1  
D936,919 S \* 11/2021 Luo ..... D10/104.1  
11,172,649 B2 \* 11/2021 Brayer ..... A01K 27/005  
D940,330 S \* 1/2022 Räisänen ..... D24/186  
D944,470 S \* 2/2022 Li ..... D10/104.1  
D944,792 S \* 3/2022 Fraboulet ..... D14/344  
D948,814 S \* 4/2022 Jin ..... D10/104.1  
D949,848 S \* 4/2022 Akana ..... D14/344  
D952,961 S \* 5/2022 Li ..... D30/152  
D957,763 S \* 7/2022 Jia ..... D10/104.1  
2008/0067193 A1 \* 3/2008 Powers ..... A47K 5/122  
222/494  
2012/0160183 A1 \* 6/2012 So ..... A01K 15/021  
119/720  
2013/0014706 A1 \* 1/2013 Menkes ..... A61B 5/72  
119/859  
2013/0233252 A1 \* 9/2013 Bellon ..... A01K 27/009  
119/720  
2014/0275824 A1 \* 9/2014 Couse ..... G16H 40/60  
600/301  
2020/0205381 A1 \* 7/2020 Wernimont ..... A01K 29/005

\* cited by examiner

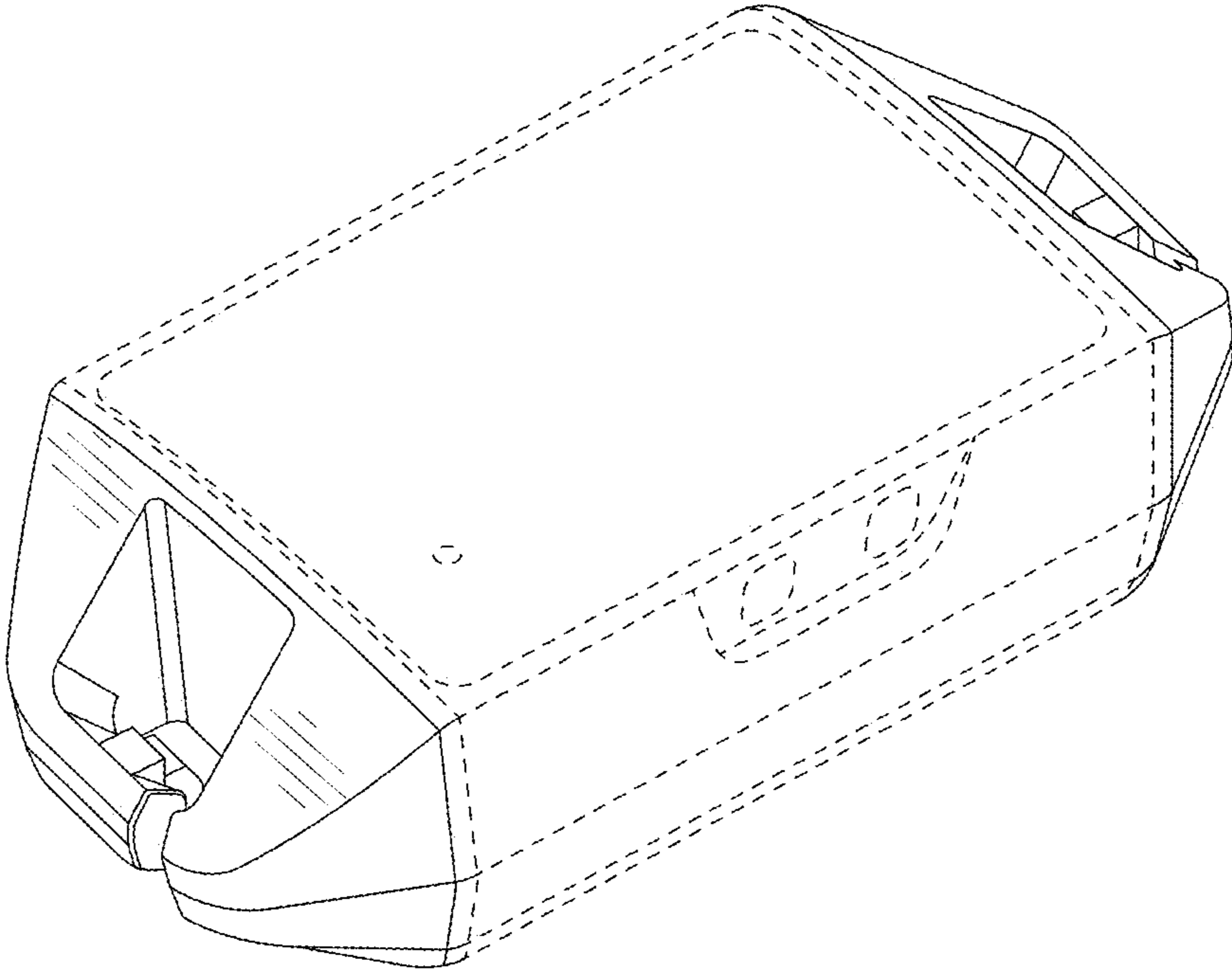


FIG. 1

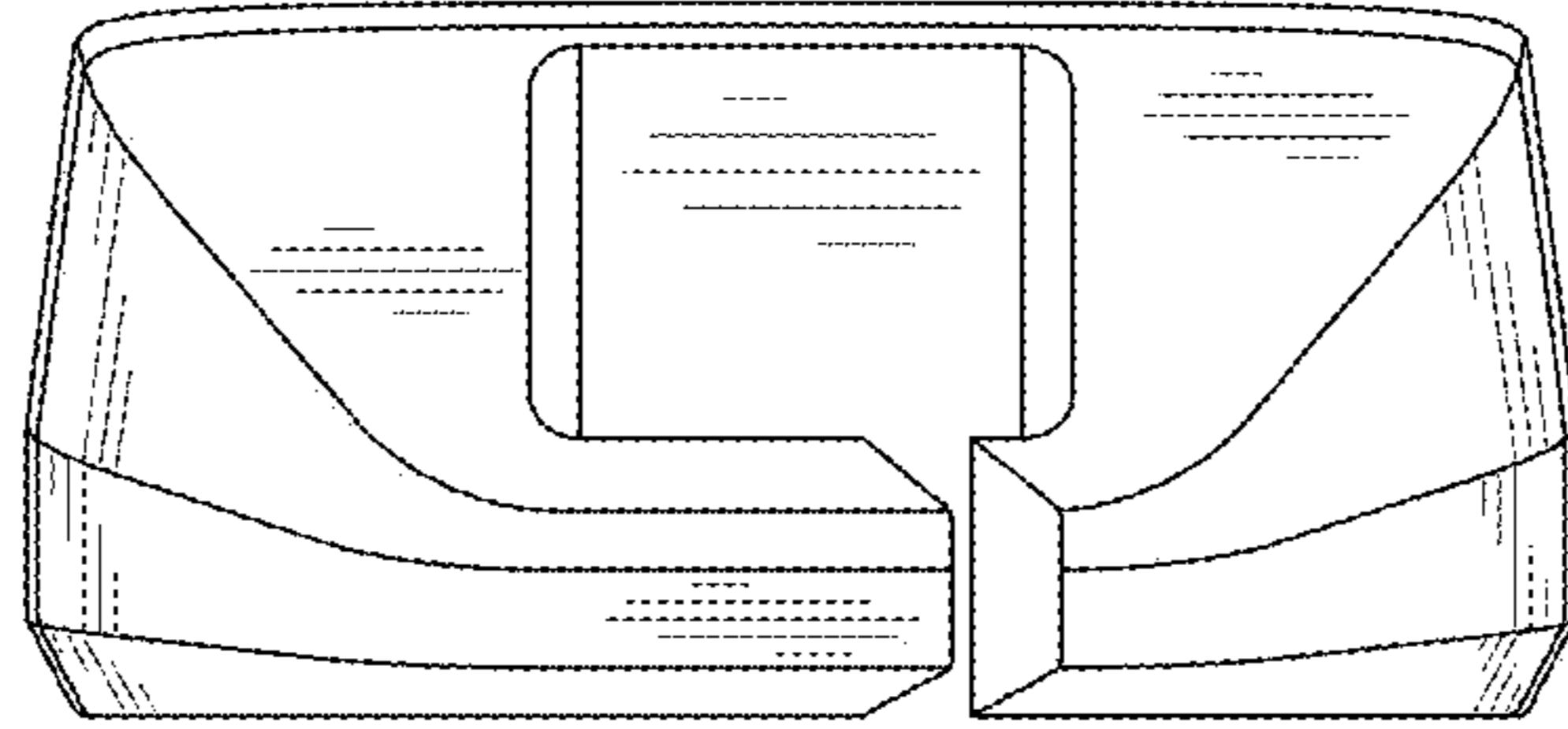


FIG. 2

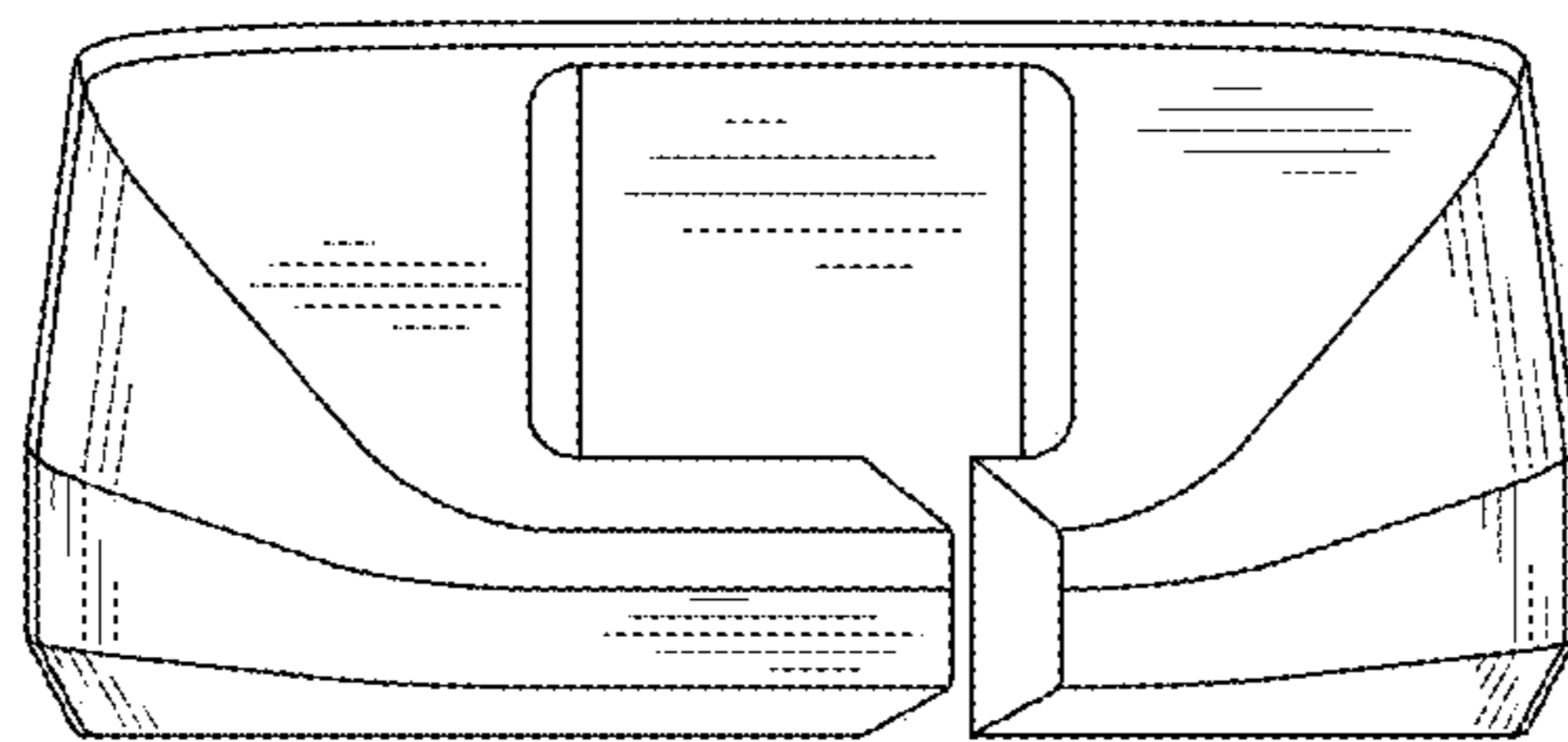


FIG. 3

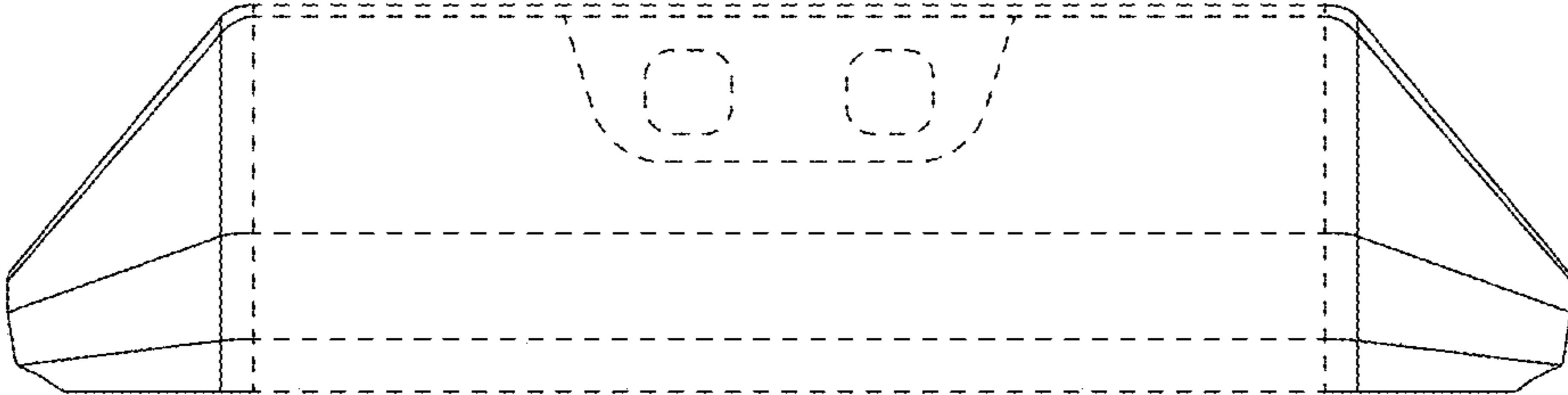


FIG. 4

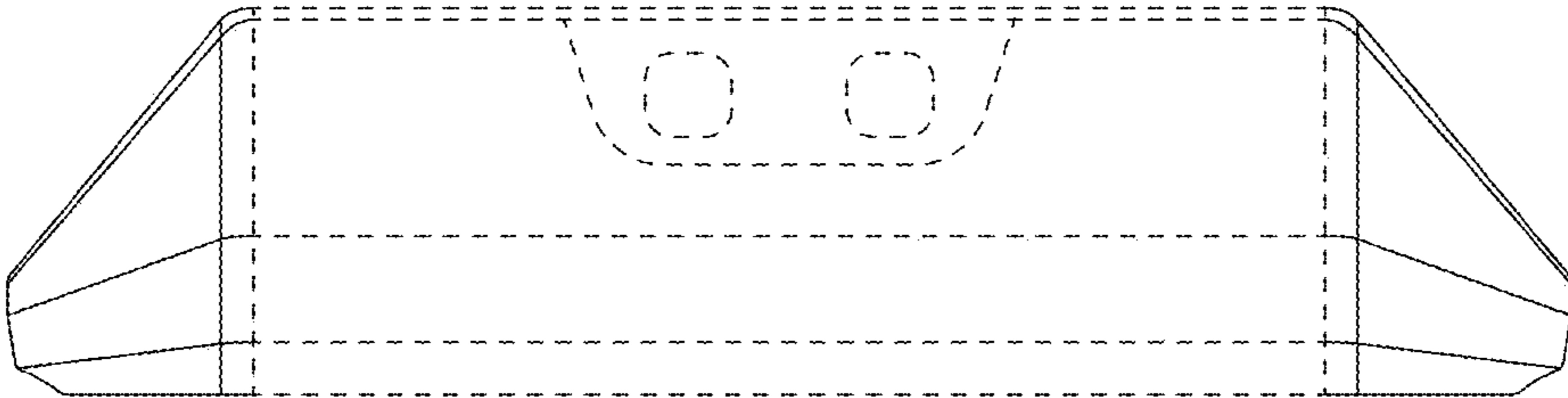


FIG. 5

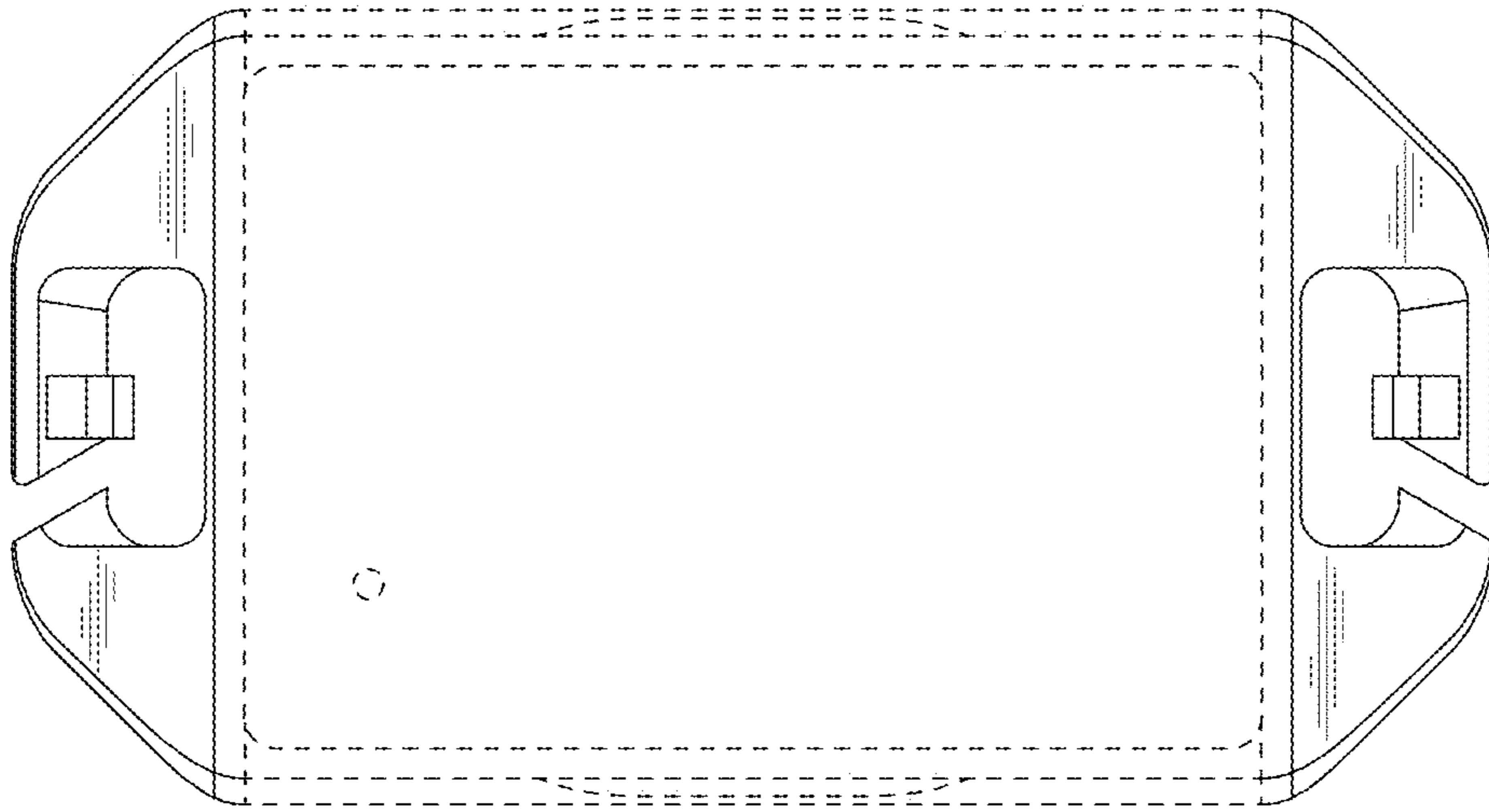


FIG. 6

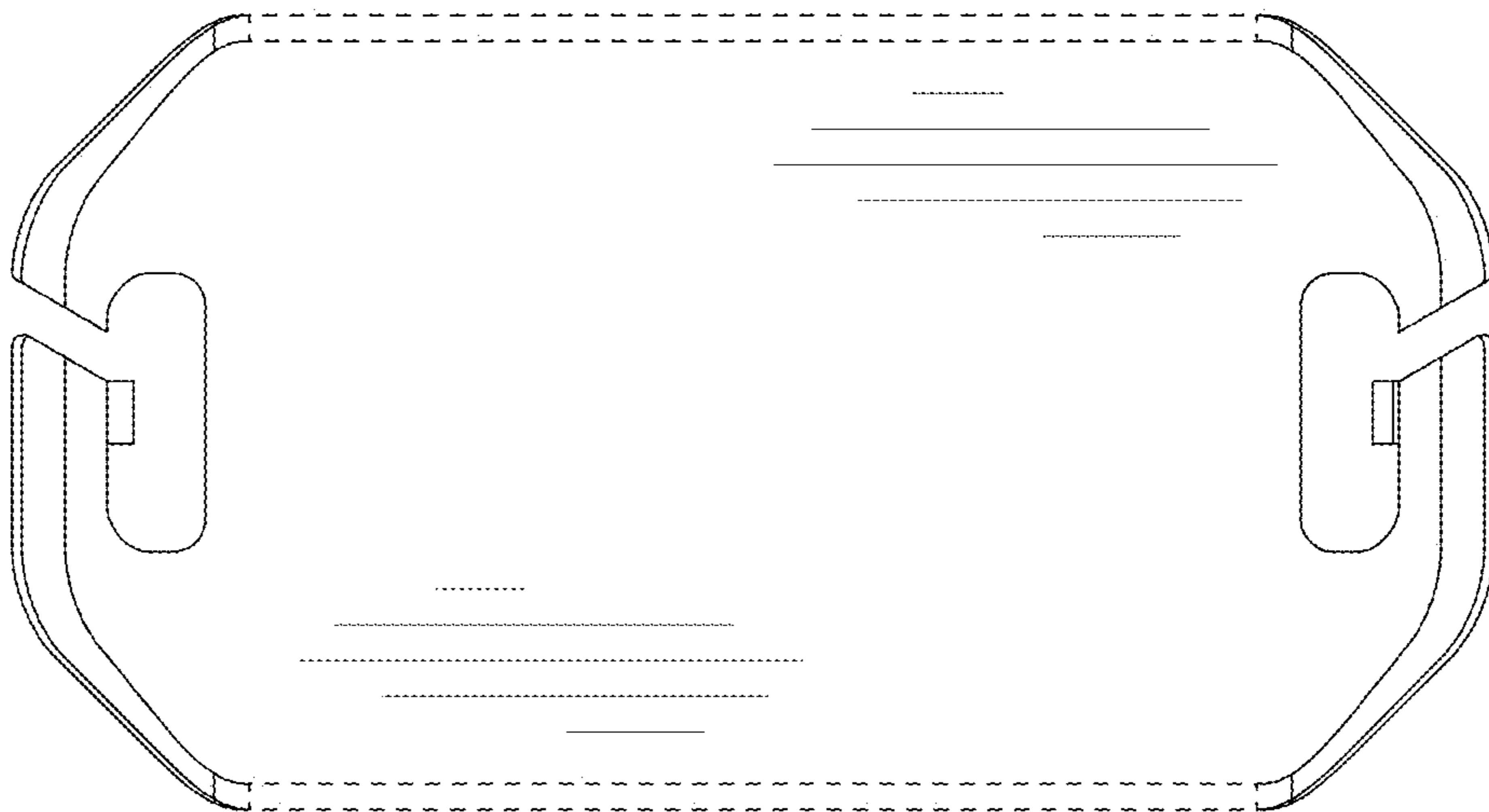


FIG. 7

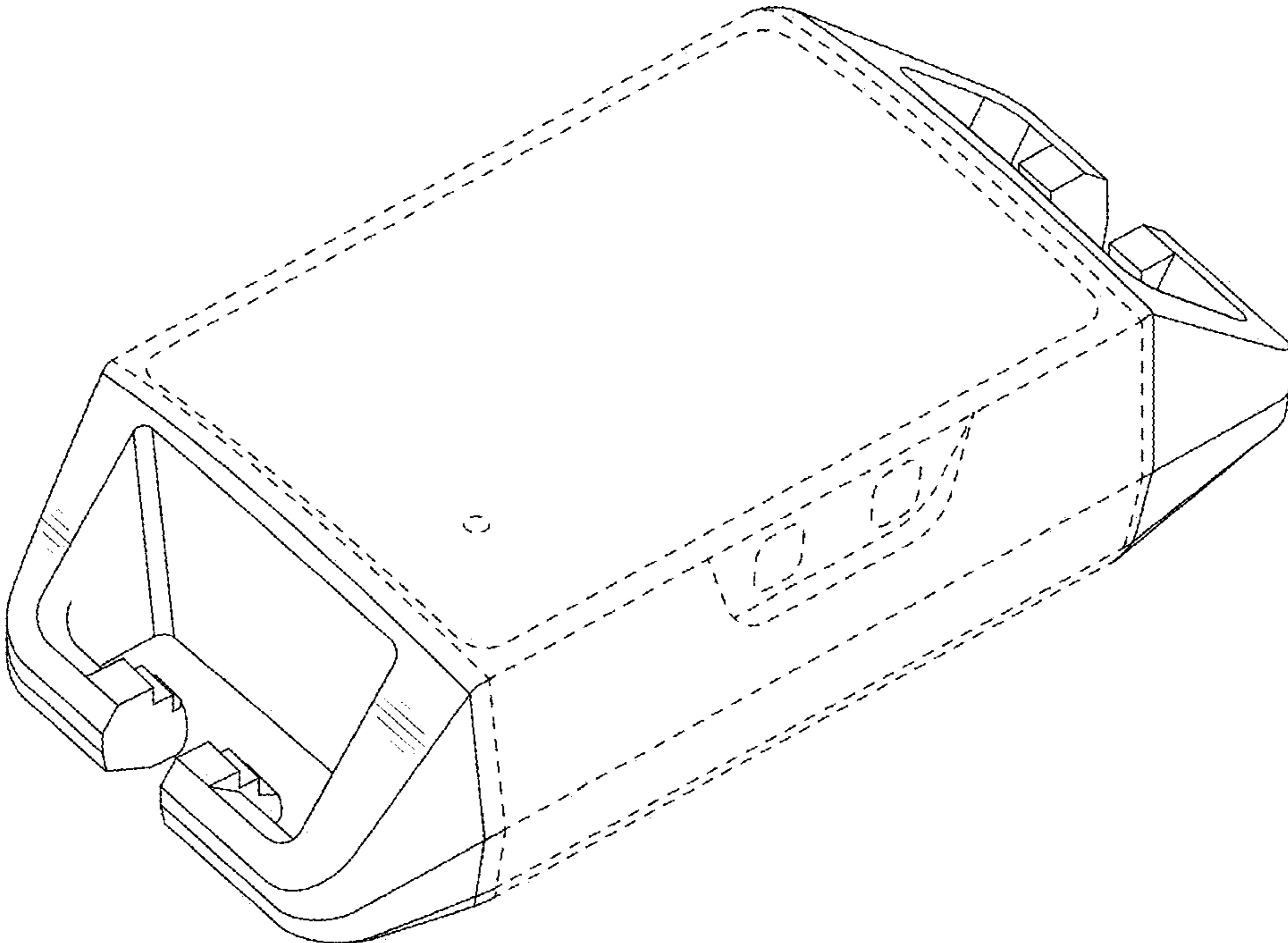


FIG. 8

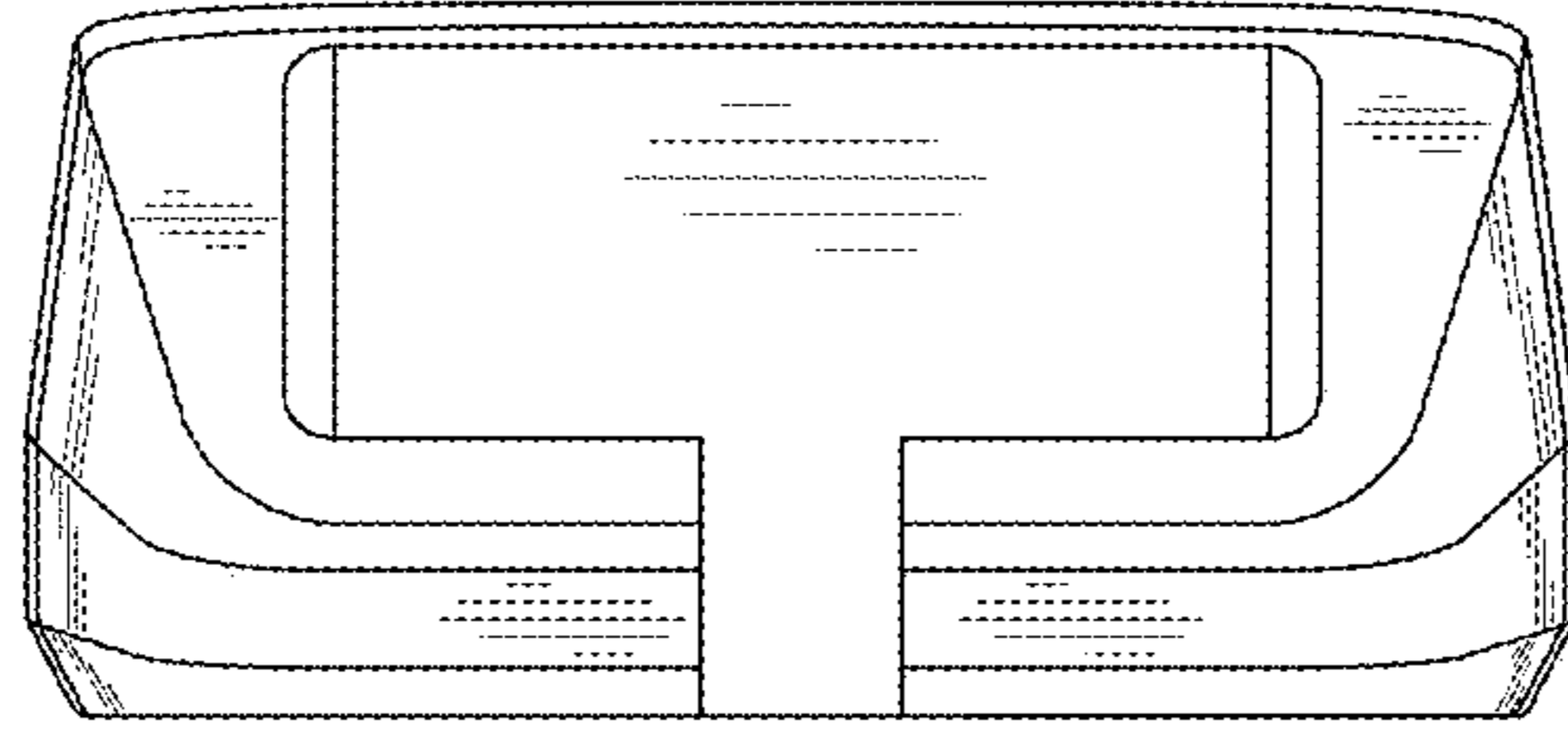


FIG. 9

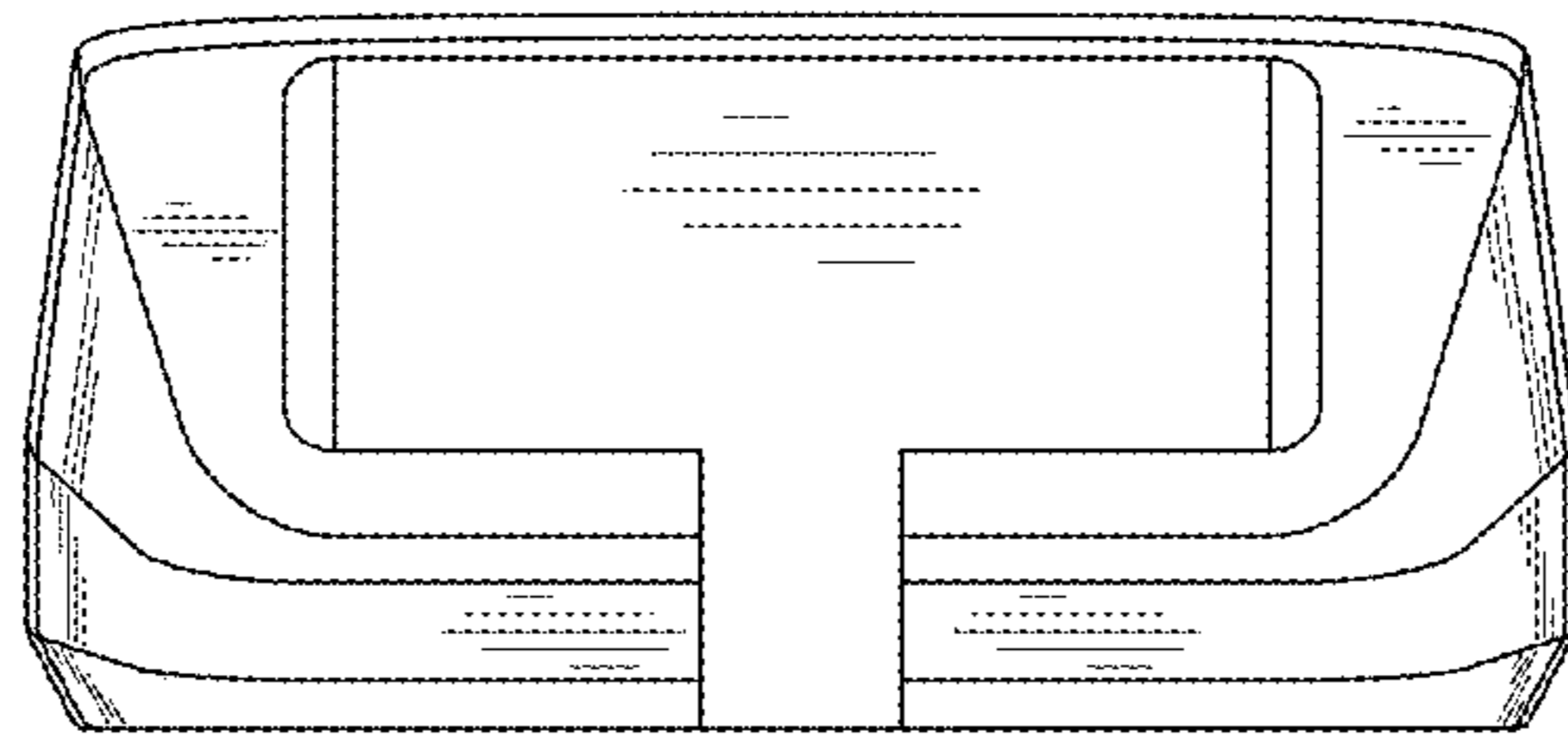


FIG. 10



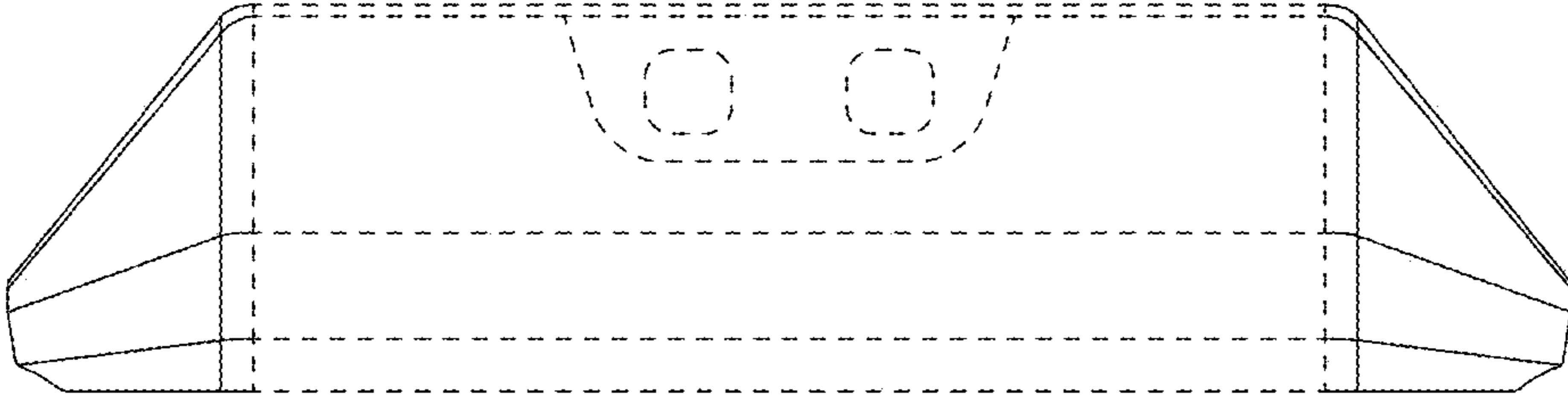


FIG. 11

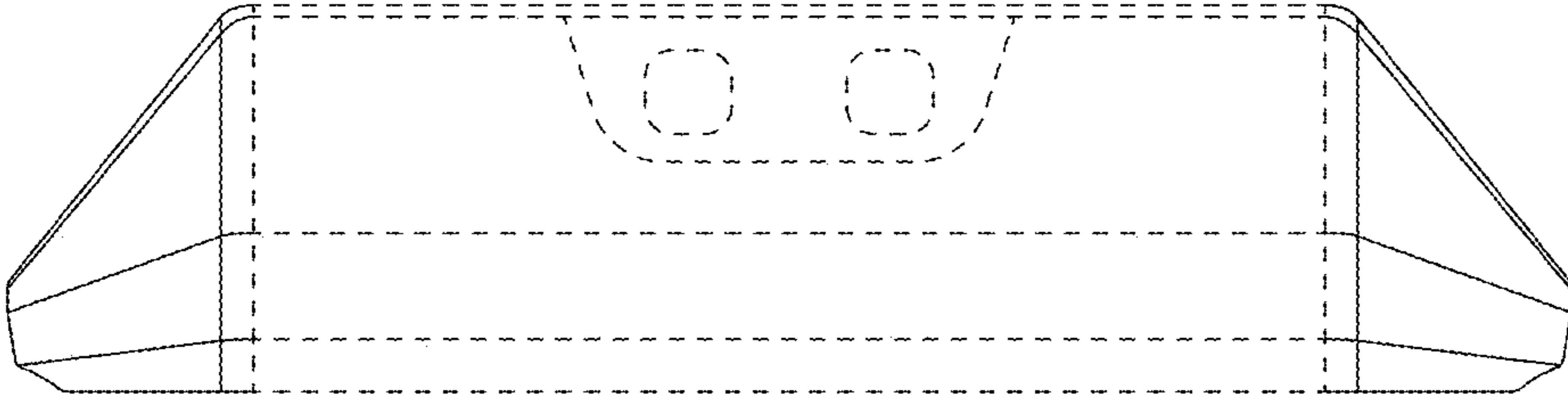


FIG. 12

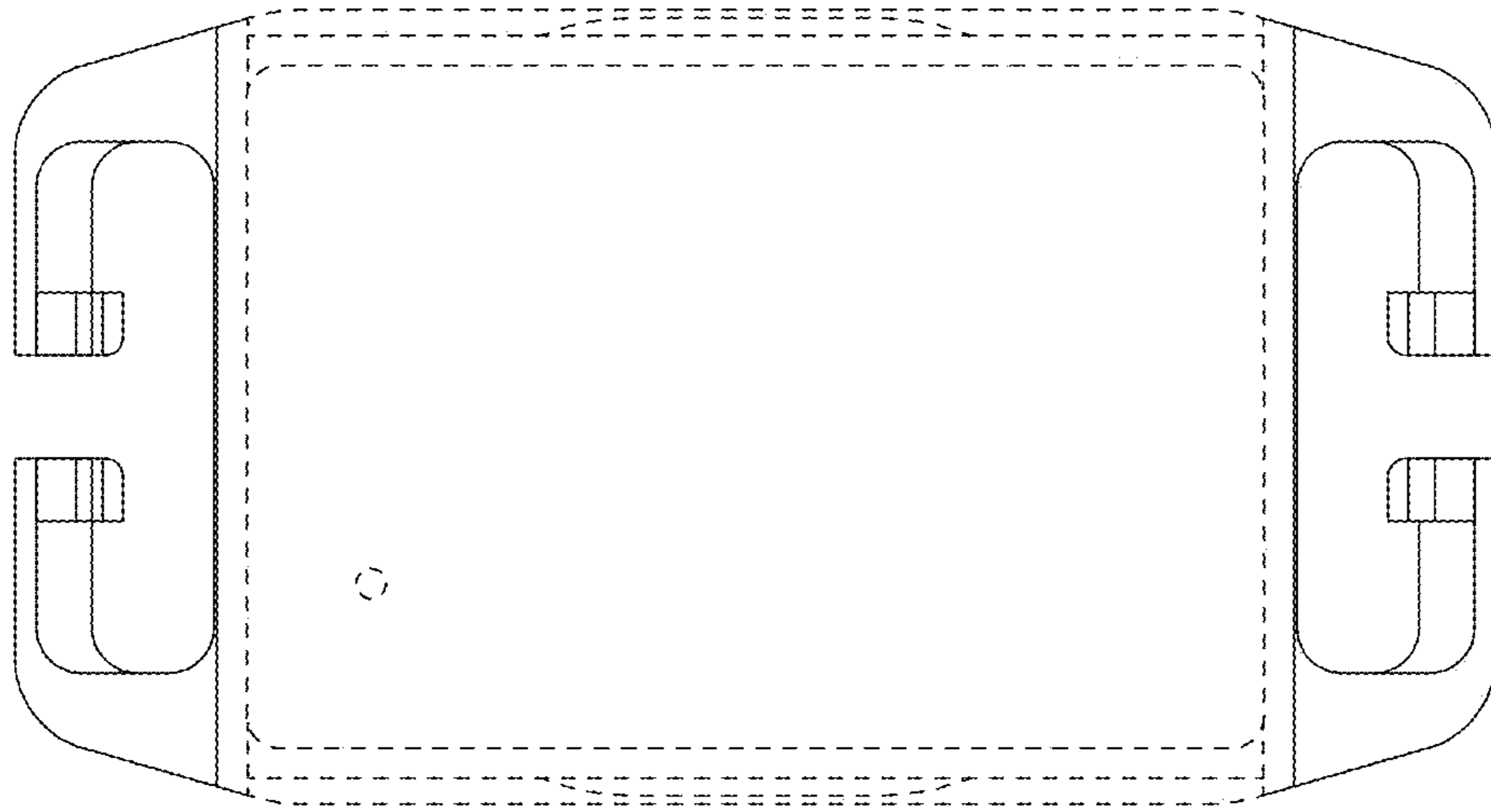


FIG. 13

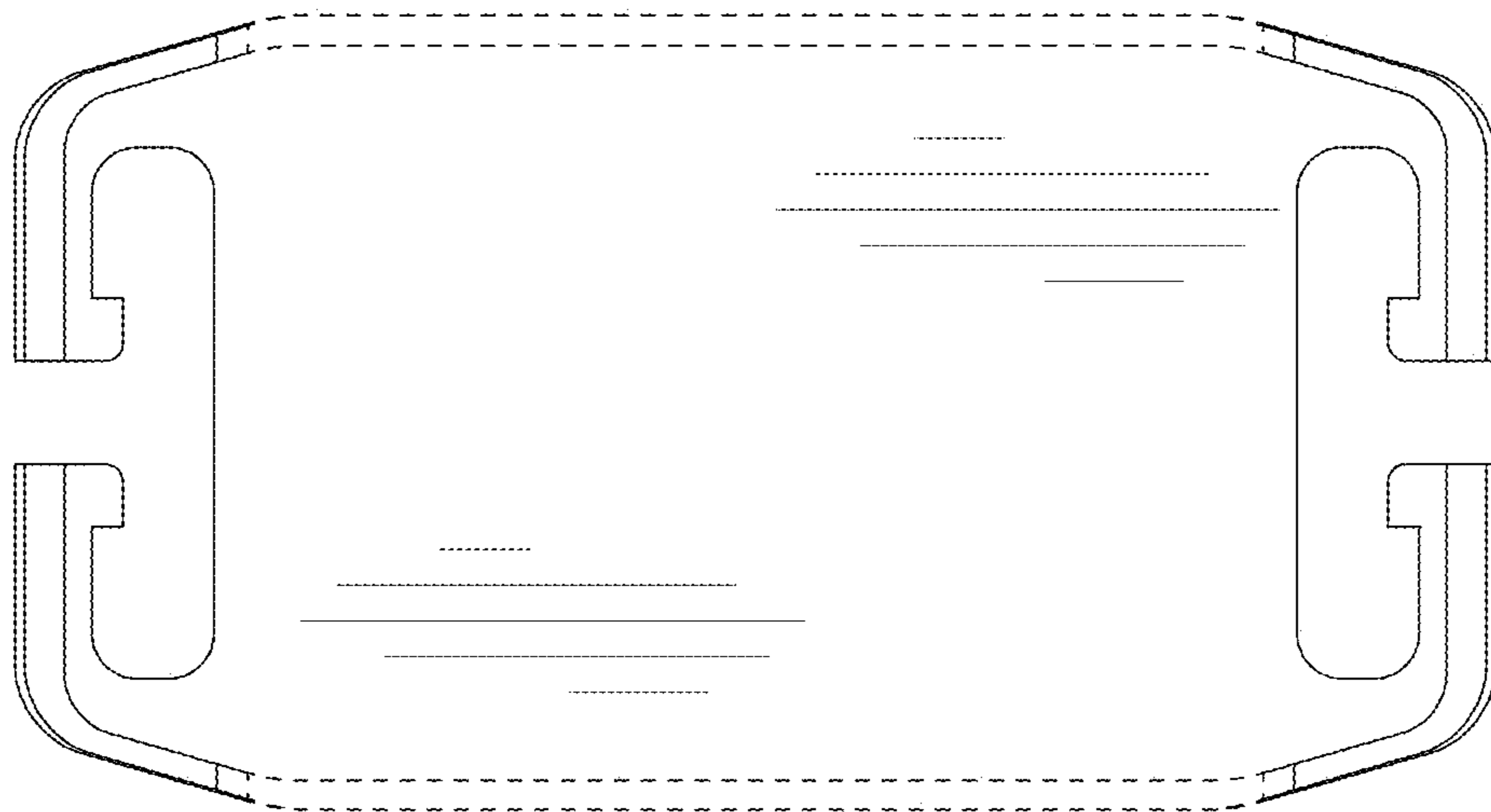


FIG. 14