



US00D813722S

(12) **United States Design Patent**  
**Huang**

(10) **Patent No.:** **US D813,722 S**  
(45) **Date of Patent:** **\*\* Mar. 27, 2018**

(54) **ZIPPER PULLER**  
(71) Applicant: **ZHEJIANG WEIXING INDUSTRIAL DEVELOPMENT CO., LTD.**, Taizhou, Zhejiang (CN)  
(72) Inventor: **Yishu Huang**, Zhejiang (CN)  
(73) Assignee: **ZHEJIANG WEIXING INDUSTRIAL DEVELOPMENT CO., LTD.**, Taizhou, Zhejiang (CN)  
(\*\*) Term: **15 Years**

2,240,704 A \* 5/1941 Lange ..... A44B 19/305  
24/419  
2,477,439 A \* 7/1949 Carlile ..... A44B 19/306  
24/421  
2,524,574 A \* 10/1950 Ryser ..... A44B 19/262  
24/421  
2,540,693 A \* 2/1951 Shur ..... A44B 19/305  
24/419

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 206079306 \* 4/2017 ..... A44B 19/26

**OTHER PUBLICATIONS**

#5 Rose Gold Chunky Zipper Pulls—Set of 5, SoYouNeedHardware.com, [online], [site visited Sep. 7, 2017]. <URL: <http://soyouneedhardware.com/5-rose-gold-chunky-zipper-pulls-set-of-5/>>.\*

(Continued)

*Primary Examiner* — T. Chase Nelson  
*Assistant Examiner* — Jonathan J. Han  
(74) *Attorney, Agent, or Firm* — U.S. Fairsky LLP; Yue Xu

(30) **Foreign Application Priority Data**  
May 31, 2016 (CN) ..... 2016 3 0214278  
(51) **LOC (11) Cl.** ..... **02-07**  
(52) **U.S. Cl.**  
USPC ..... **D11/221**  
(58) **Field of Classification Search**  
USPC ..... 24/381–383, 385–387, 414–417,  
24/421–422, 419, 429, 431, 390, 432;  
2/265; D2/641; 294/2, 3.6; 223/111;  
D8/33, 34; 81/3.07, 3.58; 220/269, 906;  
D11/200–201, 221  
CPC ..... A44B 19/00; A44B 19/02; A44B 19/04;  
A44B 19/10; A44B 19/24; A44B 19/26;  
A44B 19/30; A44B 19/06  
See application file for complete search history.

(57) **CLAIM**

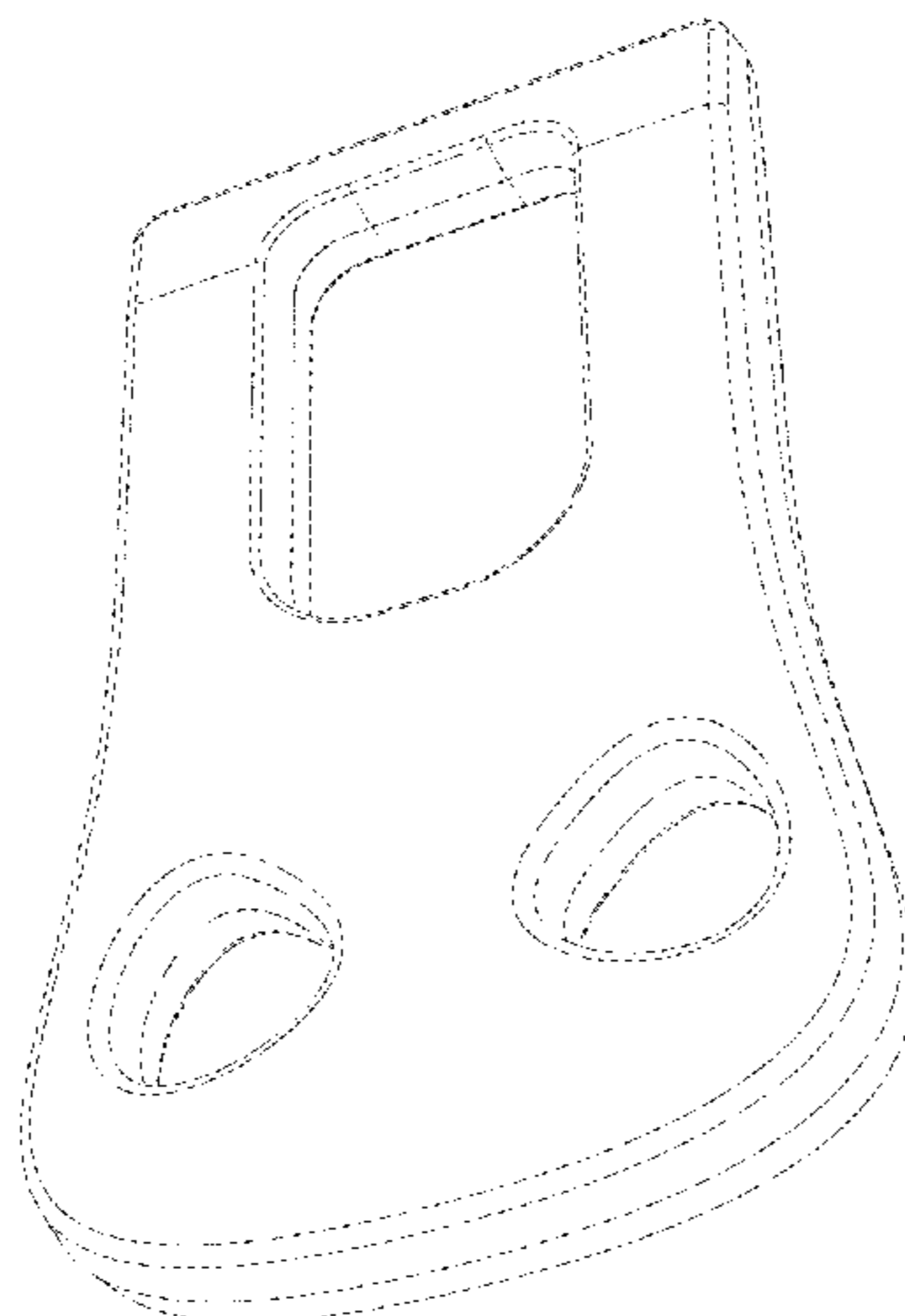
The ornamental design for a zipper puller, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of a zipper puller according to my design;  
FIG. 2 is a rear view thereof;  
FIG. 3 is a left view thereof;  
FIG. 4 is a right view thereof;  
FIG. 5 is a top view thereof;  
FIG. 6 is a bottom view thereof; and,  
FIG. 7 is a perspective view thereof.

**1 Claim, 6 Drawing Sheets**

(56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
1,910,404 A \* 5/1933 Prentice ..... A44B 19/36  
24/436  
2,019,219 A \* 10/1935 Gammons ..... A44B 19/306  
24/420  
2,082,739 A \* 6/1937 MacWilliams ..... A44B 19/26  
24/415



(56)

References Cited

U.S. PATENT DOCUMENTS

2,549,380 A \* 4/1951 Morin ..... A44B 19/306  
24/420  
2,569,298 A \* 9/1951 Erdmann ..... A44B 19/306  
24/421  
2,657,445 A \* 11/1953 Weber ..... A44B 19/306  
24/421  
2,715,255 A \* 8/1955 Legat ..... A44B 19/306  
24/421  
2,764,793 A \* 10/1956 Sander ..... A44B 19/16  
24/400  
2,784,474 A \* 3/1957 Morin ..... A44B 19/308  
24/424  
2,799,070 A \* 7/1957 Weber ..... A44B 19/30  
24/422  
3,255,505 A \* 6/1966 Friedrich ..... A44B 19/30  
24/423  
3,718,949 A \* 3/1973 Harlam ..... A44B 19/26  
24/429  
4,069,555 A \* 1/1978 Toepelt ..... A44B 19/308  
24/424  
4,074,399 A \* 2/1978 Kedzierski ..... A44B 19/306  
24/425  
4,139,928 A \* 2/1979 Aoki ..... A44B 19/26  
24/421  
4,193,172 A \* 3/1980 Kanzaka ..... A44B 19/262  
16/110.1  
4,271,689 A \* 6/1981 Kasai ..... A44B 19/30  
24/418  
D262,607 S \* 1/1982 Drolen, Jr. .... D9/438  
D263,567 S \* 3/1982 Hasegawa ..... D9/438  
4,391,022 A \* 7/1983 Oda ..... A44B 19/306  
24/421  
4,422,220 A \* 12/1983 Oda ..... A44B 19/306  
24/421  
D272,607 S \* 2/1984 Hasegawa ..... D9/438  
D273,846 S \* 5/1984 Frazee ..... D9/438  
4,590,648 A \* 5/1986 Yoshida ..... A44B 19/26  
24/415  
4,644,613 A \* 2/1987 Kedzierski ..... A44B 19/306  
24/420  
D289,017 S \* 3/1987 Spangler ..... D9/438  
4,804,105 A \* 2/1989 Zysset ..... B21D 51/383  
220/273  
5,007,144 A \* 4/1991 Terada ..... A44B 19/26  
24/415  
D360,853 S \* 8/1995 Yuuki ..... D11/221  
D366,010 S \* 1/1996 Yuuki ..... D11/221  
D366,012 S \* 1/1996 Aoki ..... D11/221  
D366,230 S \* 1/1996 Aoki ..... D11/221  
D378,072 S \* 2/1997 Mizuno ..... D11/221  
5,625,928 A \* 5/1997 Terada ..... A44B 19/308  
24/421  
D381,604 S \* 7/1997 Mizuno ..... D11/221  
D398,560 S \* 9/1998 Oda ..... D11/221  
5,860,192 A \* 1/1999 Chung ..... A44B 19/262  
24/429

D437,805 S \* 2/2001 Yoneoka ..... D11/221  
D446,165 S \* 8/2001 Yoneoka ..... D11/221  
D475,321 S \* 6/2003 Yoneoka ..... D11/221  
D499,668 S \* 12/2004 Iwase ..... D11/221  
D510,298 S \* 10/2005 Hamada ..... D11/221  
D557,627 S \* 12/2007 Ohgaku ..... D11/90  
D557,633 S \* 12/2007 Ohgaku ..... D11/221  
D557,634 S \* 12/2007 Ohgaku ..... D11/221  
D557,635 S \* 12/2007 Ohgaku ..... D11/221  
D558,639 S \* 1/2008 Lobel ..... D11/221  
D559,148 S \* 1/2008 Yamagishi ..... D11/221  
D559,149 S \* 1/2008 Ohgaku ..... D11/221  
D559,151 S \* 1/2008 Ohgaku ..... D11/221  
D559,733 S \* 1/2008 Yamamoto ..... D11/221  
D572,171 S \* 7/2008 Lobel ..... D11/221  
D575,191 S \* 8/2008 Kojima ..... D11/221  
D579,377 S \* 10/2008 Hsiao ..... D11/221  
D600,116 S \* 9/2009 Cherian ..... D9/438  
D602,776 S \* 10/2009 Cherian ..... D9/438  
D612,292 S \* 3/2010 Miyazaki ..... D11/221  
D643,776 S \* 8/2011 Keyaki ..... D11/221  
D671,451 S \* 11/2012 Keyaki ..... D11/221  
D674,318 S \* 1/2013 Chuan ..... D11/221  
D691,919 S \* 10/2013 Keyaki ..... D11/221  
9,743,722 B1 \* 8/2017 Divranos ..... A44B 19/26  
2002/0000025 A1 \* 1/2002 Yamagishi ..... A44B 19/306  
24/421  
2002/0069494 A1 \* 6/2002 McCrum ..... A44B 19/262  
24/429  
2002/0133917 A1 \* 9/2002 Chu ..... A44B 19/262  
24/429  
2007/0277354 A1 \* 12/2007 Jung ..... A44B 19/262  
24/429  
2009/0229091 A1 \* 9/2009 Peano ..... A44B 19/301  
24/430  
2013/0255042 A1 \* 10/2013 Keyaki ..... A44B 19/308  
24/430  
2015/0296930 A1 \* 10/2015 Levi ..... A44B 19/26  
29/408  
2016/0183640 A1 \* 6/2016 Chung ..... A44B 19/06  
24/406

OTHER PUBLICATIONS

[Gun Metal] Zipper Sliders for Bags, Handbags & Clothing, / Custom Zipper Pulls (YS-ZP-14), YouShunCN.com, [online], [site visited Sep. 7, 2017]. <URL: <http://youshuncn.com/products/zipper-sliders-pullers/gun-metal-zipper-sliders-for-bags-handbags-clothing-custom-zipper-pulls-ys-zp-14/>>.\*  
Vision Bottom Zipper Pull, RaggedMountain.com, [online], [site visited Sep. 7, 2017]. <URL: <http://raggedmountain.com/fabric-repair/zippers/zipper-pulls/vislon-bottom-zipper-pull>>.\*  
BEADTIN Black Opaque 25mm Plastic Soda Pop Tabs (2oz), Amazon.com, [online], [site visited Sep. 7, 2017]. <URL: [https://www.amazon.com/BEADTIN-Black-Opaque-25mm-Plastic/dp/B01H4RA8IU/ref=pd\\_sim\\_236\\_1?encoding=UTF8&psc=1&refRID=A5EY2WHCP4MGZF3ZRJGT](https://www.amazon.com/BEADTIN-Black-Opaque-25mm-Plastic/dp/B01H4RA8IU/ref=pd_sim_236_1?encoding=UTF8&psc=1&refRID=A5EY2WHCP4MGZF3ZRJGT)>.\*

\* cited by examiner

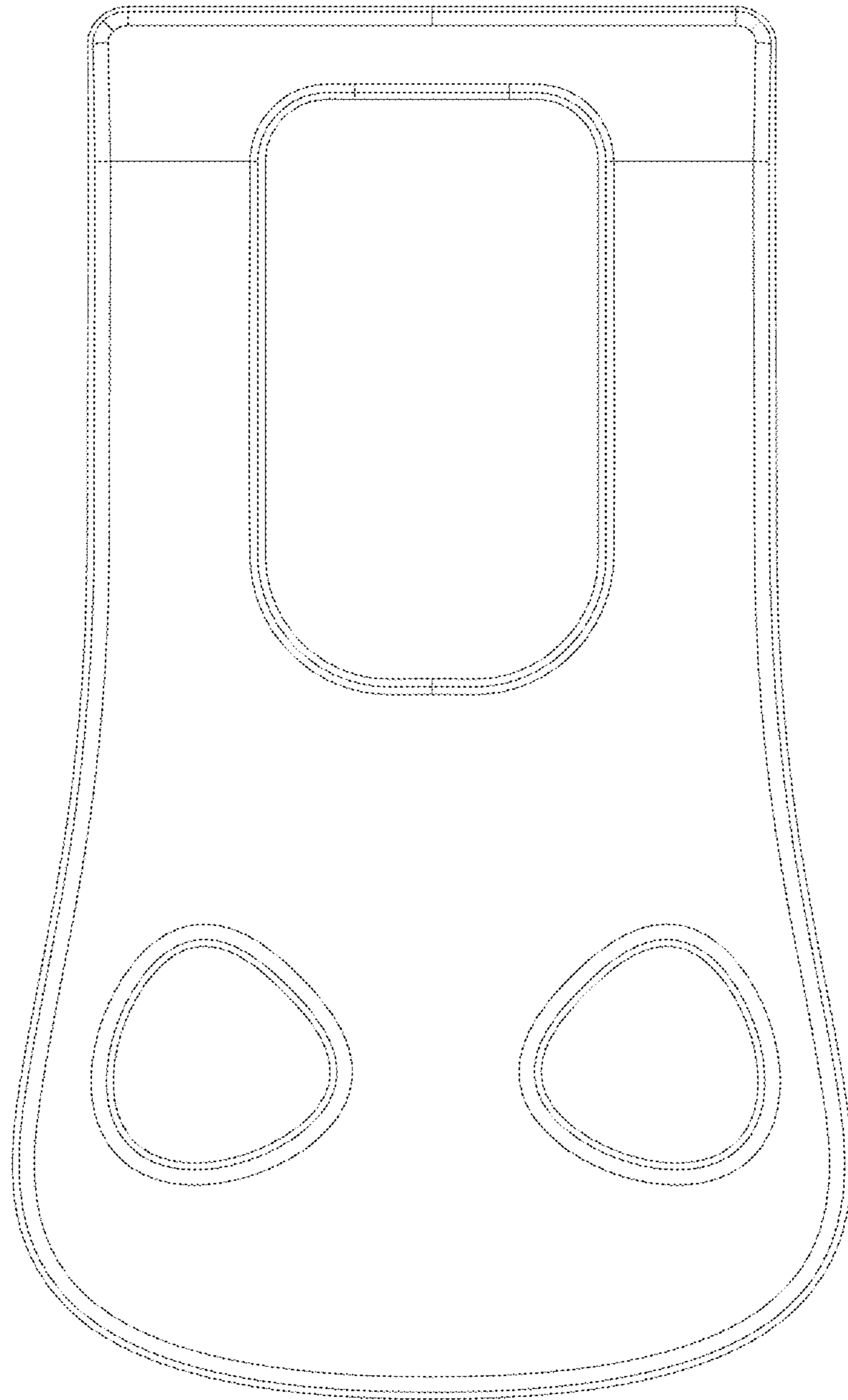


Figure 1

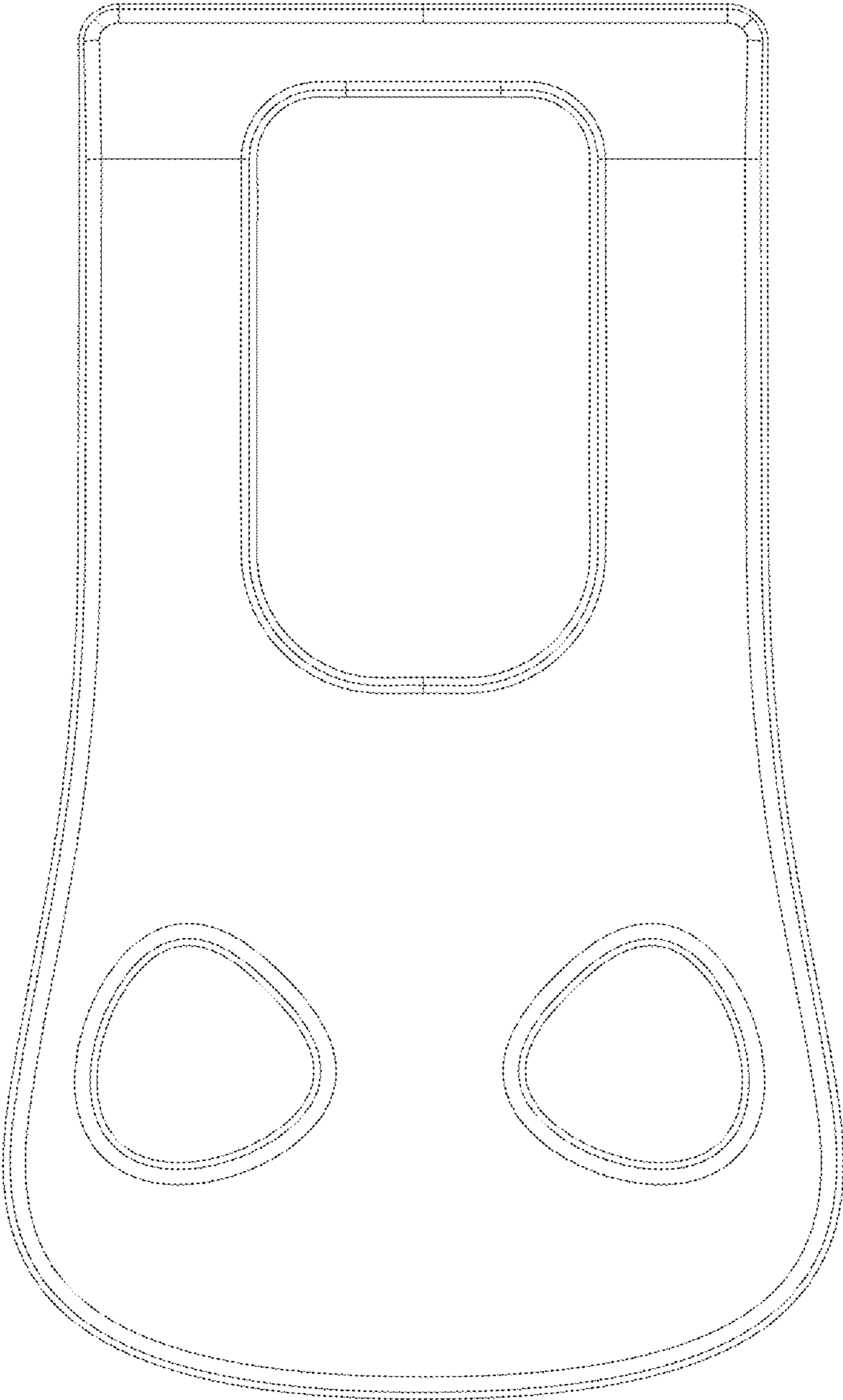


Figure 2

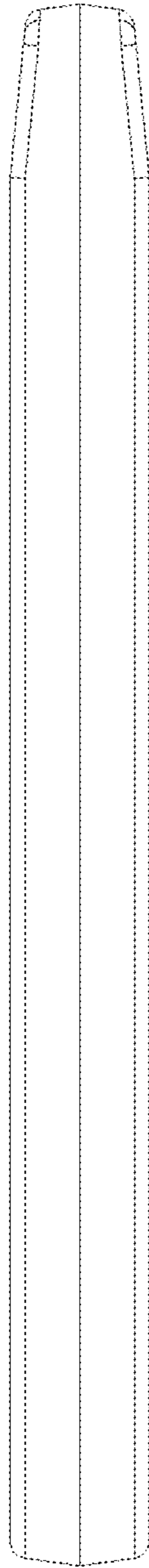


Figure 3

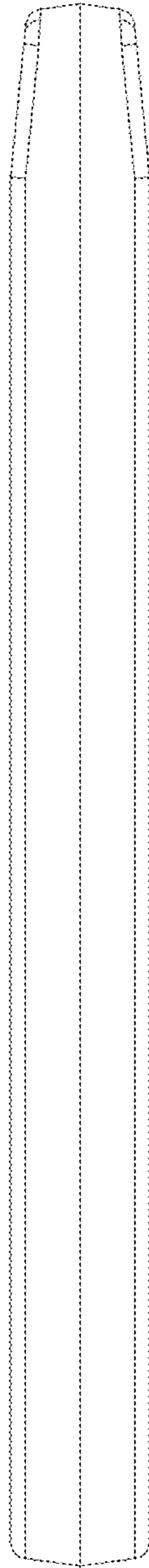


Figure 4

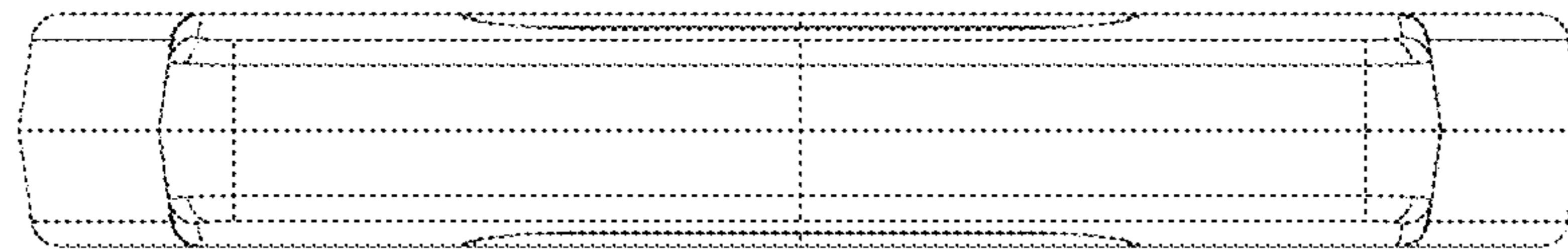


Figure 5

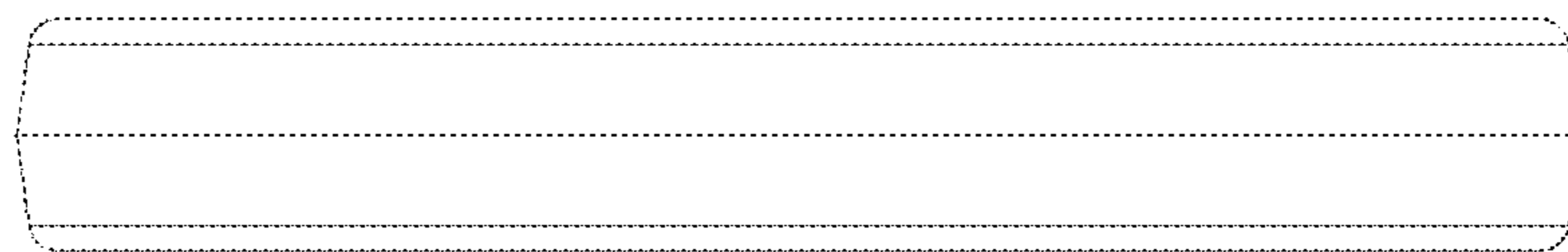


Figure 6

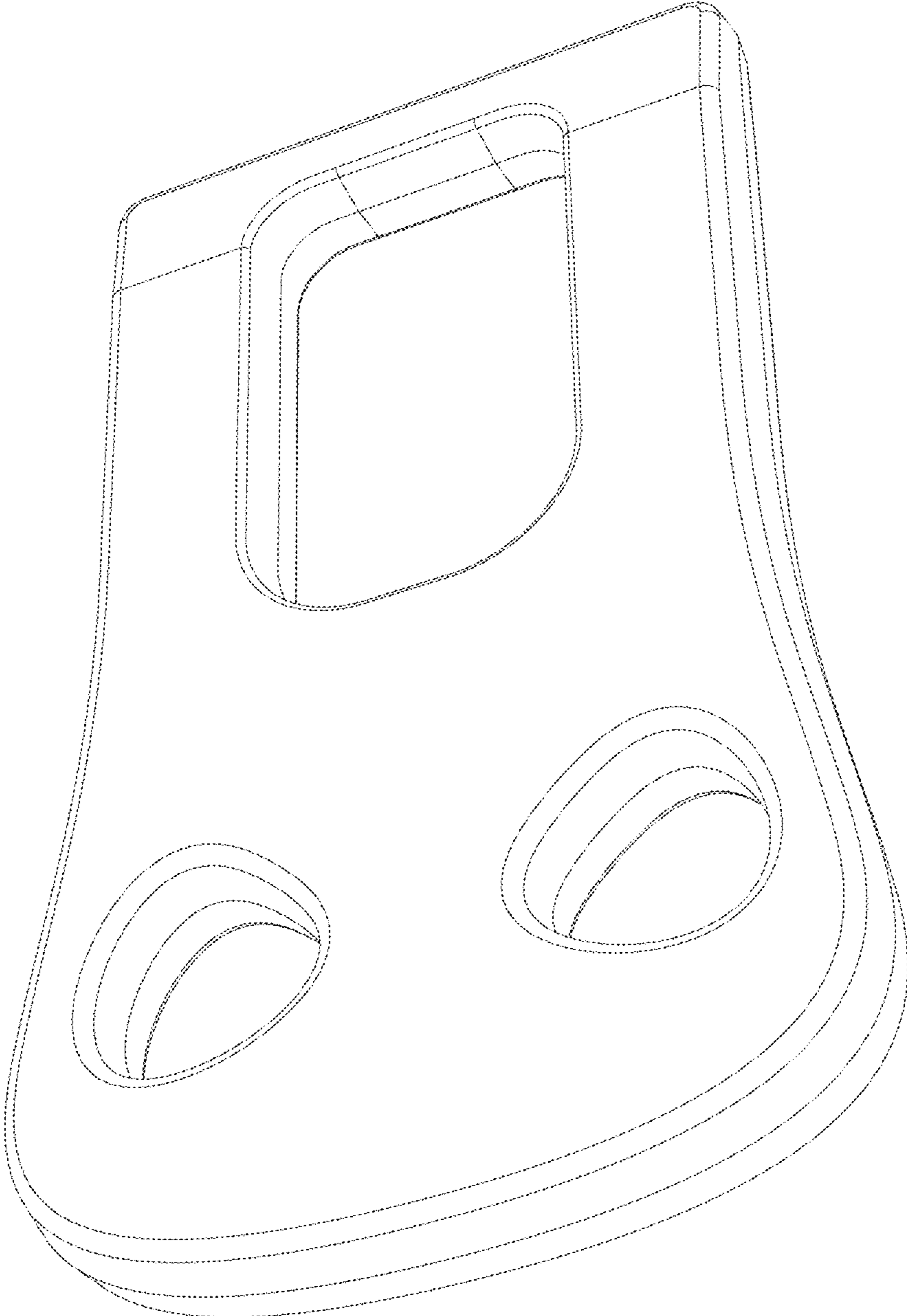


Figure 7