



US00D818231S

(12) **United States Design Patent** (10) **Patent No.:** **US D818,231 S**  
**Helfert et al.** (45) **Date of Patent:** **\*\* May 15, 2018**

(54) **WINDOW CLEANING APPLIANCE**  
(71) Applicant: **Alfred Kaercher GmbH & Co. KG**,  
Winnenden (DE)  
(72) Inventors: **Matthias Helfert**, Winnenden (DE);  
**Michael Meyer**, Schwaikheim (DE)  
(73) Assignee: **Alfred Kaercher GmbH & Co. KG**,  
Winnenden (DE)

D318,157 S 7/1991 Perior  
D338,090 S 8/1993 Kamiyama  
D366,738 S 1/1996 Israel  
D377,698 S 1/1997 Schaffer  
5,615,449 A 4/1997 Sepke  
D386,852 S 11/1997 Viner

(Continued)

**FOREIGN PATENT DOCUMENTS**

AU 342842 6/2012  
CN 301410631 12/2010

(Continued)

(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/560,897**

**OTHER PUBLICATIONS**

AmazonSmile: Karcher Wv2 Window Cleaner Vac, website 2017,  
<https://smile.amazon.com/Karcher-Wv2-Window-Cleaner-Vac/dp/B06ZXXSRMF/ref=sr...> site visited Dec. 10, 2017.\*

(Continued)

(30) **Foreign Application Priority Data**

Nov. 13, 2015 (WO) ..... 935466201

(51) **LOC (11) Cl.** ..... **07-05**

(52) **U.S. Cl.**  
USPC ..... **D32/46**

(58) **Field of Classification Search**  
USPC .... D32/17, 40-46, 50-52; D4/108, 129-136  
CPC ..... A47L 1/06; A47L 11/34  
See application file for complete search history.

*Primary Examiner* — John Windmuller

*Assistant Examiner* — John R Yeh

(74) *Attorney, Agent, or Firm* — Lipsitz & McAllister,  
LLC

(57) **CLAIM**

The ornamental design for a window cleaning appliance, as shown and described.

(56) **References Cited**

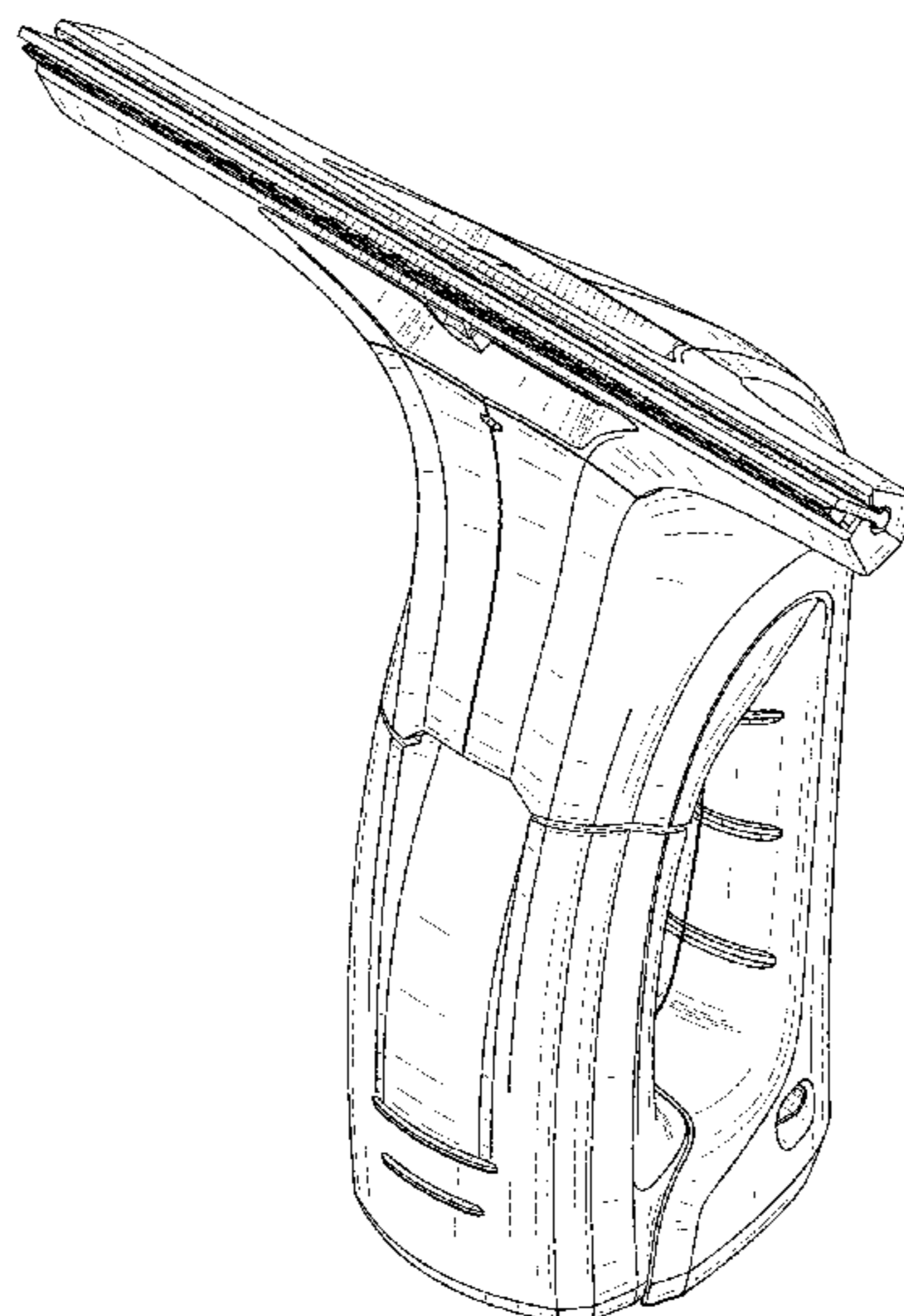
**U.S. PATENT DOCUMENTS**

559,023 A \* 4/1896 Reichert ..... A47L 1/06  
15/245  
1,628,783 A 5/1927 Jensen et al.  
2,123,638 A 7/1938 Steccone  
2,440,099 A \* 4/1948 Kind ..... A47L 1/06  
15/146  
2,521,967 A 9/1950 Dean  
D232,151 S 7/1974 Spydevold  
D235,119 S 5/1975 Gode  
D291,378 S 8/1987 Viner  
D307,963 S 5/1990 Newman, Sr. et al.  
D316,318 S 4/1991 Cheang

**DESCRIPTION**

FIG. 1 is a front, top and left side perspective view of a window cleaning appliance showing the new design; FIG. 2 is a front, top and right side perspective view thereof; FIG. 3 is a front elevational view thereof; FIG. 4 is a left side elevational view thereof; FIG. 5 is a rear elevational view thereof; FIG. 6 is a right side elevational view thereof; and, FIG. 7 is a top plan view thereof.

**1 Claim, 7 Drawing Sheets**



(56)

References Cited

OTHER PUBLICATIONS

U.S. PATENT DOCUMENTS

D388,562 S 12/1997 Doria  
 D417,934 S 12/1999 Footer et al.  
 D463,082 S 9/2002 Harrington  
 D468,877 S 1/2003 Burgos  
 D480,846 S 10/2003 Ki  
 D485,652 S 1/2004 Erlich  
 6,931,690 B2 8/2005 Cox  
 D515,262 S 2/2006 Hay  
 D515,758 S 2/2006 Turchi et al.  
 D522,191 S \* 5/2006 Erlich ..... D32/18  
 D564,161 S \* 3/2008 Talesfore ..... D32/41  
 7,674,060 B2 3/2010 Lucero  
 7,748,074 B2 7/2010 Guizzi  
 D627,532 S 11/2010 Yang et al.  
 D634,496 S 3/2011 Porco  
 D640,432 S 6/2011 Jackson  
 D649,314 S 11/2011 Quinlan et al.  
 D652,595 S 1/2012 Pottes  
 D674,564 S \* 1/2013 Mangano ..... D32/17  
 D675,799 S \* 2/2013 Beij ..... D32/40  
 D685,550 S 7/2013 Tronconi et al.  
 D685,554 S 7/2013 Malvasio  
 D697,278 S 1/2014 Meyer  
 D703,405 S 4/2014 Meyer  
 D703,406 S \* 4/2014 Meyer ..... D32/41  
 D715,009 S 10/2014 Curien  
 D720,107 S 12/2014 Meyer  
 D753,354 S 4/2016 Casini  
 D769,560 S \* 10/2016 Helfert ..... D32/18  
 9,615,705 B2 \* 4/2017 Fischer ..... A47L 7/0009  
 2002/0078518 A1 \* 6/2002 Jiang ..... A47L 1/06  
 15/111  
 2011/0138554 A1 6/2011 Curien  
 2014/0366296 A1 \* 12/2014 Liu ..... A47L 1/08  
 15/118  
 2016/0045089 A1 \* 2/2016 Beij ..... A47L 1/06  
 206/349  
 2017/0164798 A1 \* 6/2017 Dietz ..... A47L 1/06

FOREIGN PATENT DOCUMENTS

CN 302820486 5/2014  
 EM 002032672-0001 4/2012  
 EM 002035253-0001 4/2012  
 EM 002177840-0001 2/2013  
 EM 001423123-0001 \* 10/2014

AmazonSmile: Lesoleil Window Cleaning Rechargeable Tool Kit with Vacuum Squeegee, website 2017, <https://smile.amazon.com/LESOLEIL-Cleaning-Rechargeable-Squeegee-Microfiber/dp/B...> site visited Dec. 10, 2017.\*  
 Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2011 Kaercher Home and Garden", cover, p. 124 and last page (Nov. 2010).  
 Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2012 Kaercher Home and Garden", cover, p. 107 and last page (Oct. 2011).  
 Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2013 Kaercher Home and Garden", cover, pp. 103, 104 and last page (Oct. 2012).  
 Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2014 Kaercher Home and Garden", cover, pp. 89-91 and last page (Oct. 2013).  
 Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2015 Home and Garden", cover, pp. 95-98 and last page (Oct. 2014).  
 Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2008", cover, p. 80 and last page (Dec. 2007).  
 Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2009 Kaercher Residential", cover, p. 114 and last page (Mar. 2009).  
 Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2010 Kaercher Home and Garden", cover, p. 116 and last page (Nov. 2009).  
 Amazon.com: Fuller Brush 3-in-1 Cordless Window Washer, website copyright 2016, [retrieved from the Internet], <[http://www.amazon.com/Fuller-Brush-Cordless-Window-Washer/dp/B00JUAQXPM/ref=sr\\_1\\_97\\_s\\_it?s=hpc&ie=UTF8&qid=1465238566&sr=1-97&keywords=window+washer](http://www.amazon.com/Fuller-Brush-Cordless-Window-Washer/dp/B00JUAQXPM/ref=sr_1_97_s_it?s=hpc&ie=UTF8&qid=1465238566&sr=1-97&keywords=window+washer)>, [site visited Jun. 6, 2016 ].  
 Amazon.com: Ivation Complete Window Vacuum Cleaning Kit, review date 9/22/15, [retrieved from the Internet], <[http://www.amazon.com/Ivation-Complete-Window-Vacuum-Cleaning/dp/B015G1U9JY/ref=cm\\_cr\\_arp\\_d\\_product\\_top?ie=UTF8](http://www.amazon.com/Ivation-Complete-Window-Vacuum-Cleaning/dp/B015G1U9JY/ref=cm_cr_arp_d_product_top?ie=UTF8)>, [site visited Jun. 6, 2016 ].  
 Amazon.com: Karcher WV 50 Window Vacuum Cleaning Power Squeegee, review date Mar. 24, 2012, [retrieved from the Internet], <[http://www.amazon.com/...6EUMW/ref=pd\\_sim\\_sbs\\_201\\_2?ie=UTF8&dpID=31H5IWIQ-4L&dpSrc=sims&preST=\\_AC\\_UL160\\_SR160%2C160\\_&refRID=0AWJG6Y1VAJWSZKWXKQG](http://www.amazon.com/...6EUMW/ref=pd_sim_sbs_201_2?ie=UTF8&dpID=31H5IWIQ-4L&dpSrc=sims&preST=_AC_UL160_SR160%2C160_&refRID=0AWJG6Y1VAJWSZKWXKQG)>, [site visited Jun. 6, 2016].

\* cited by examiner

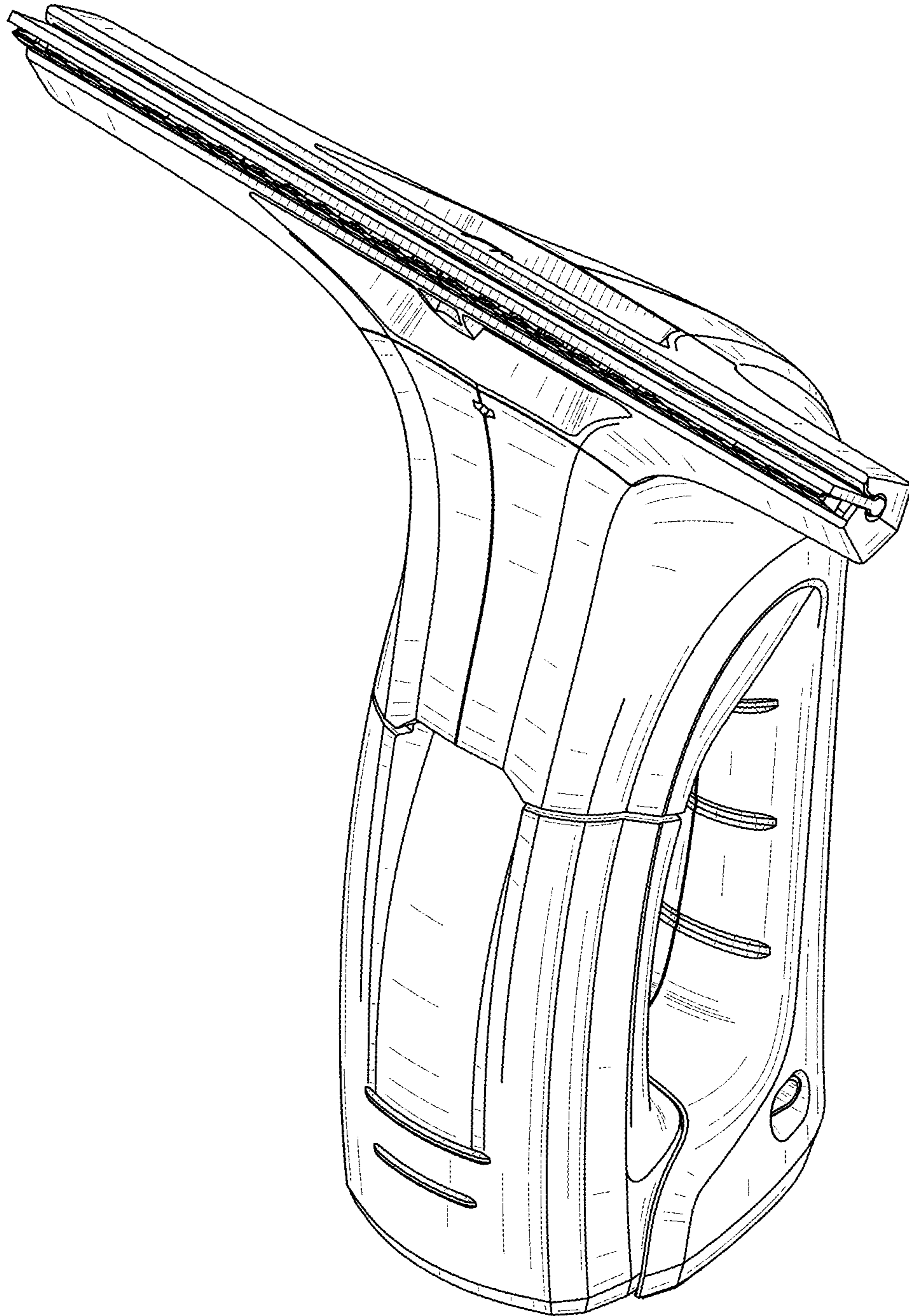


FIG. 1

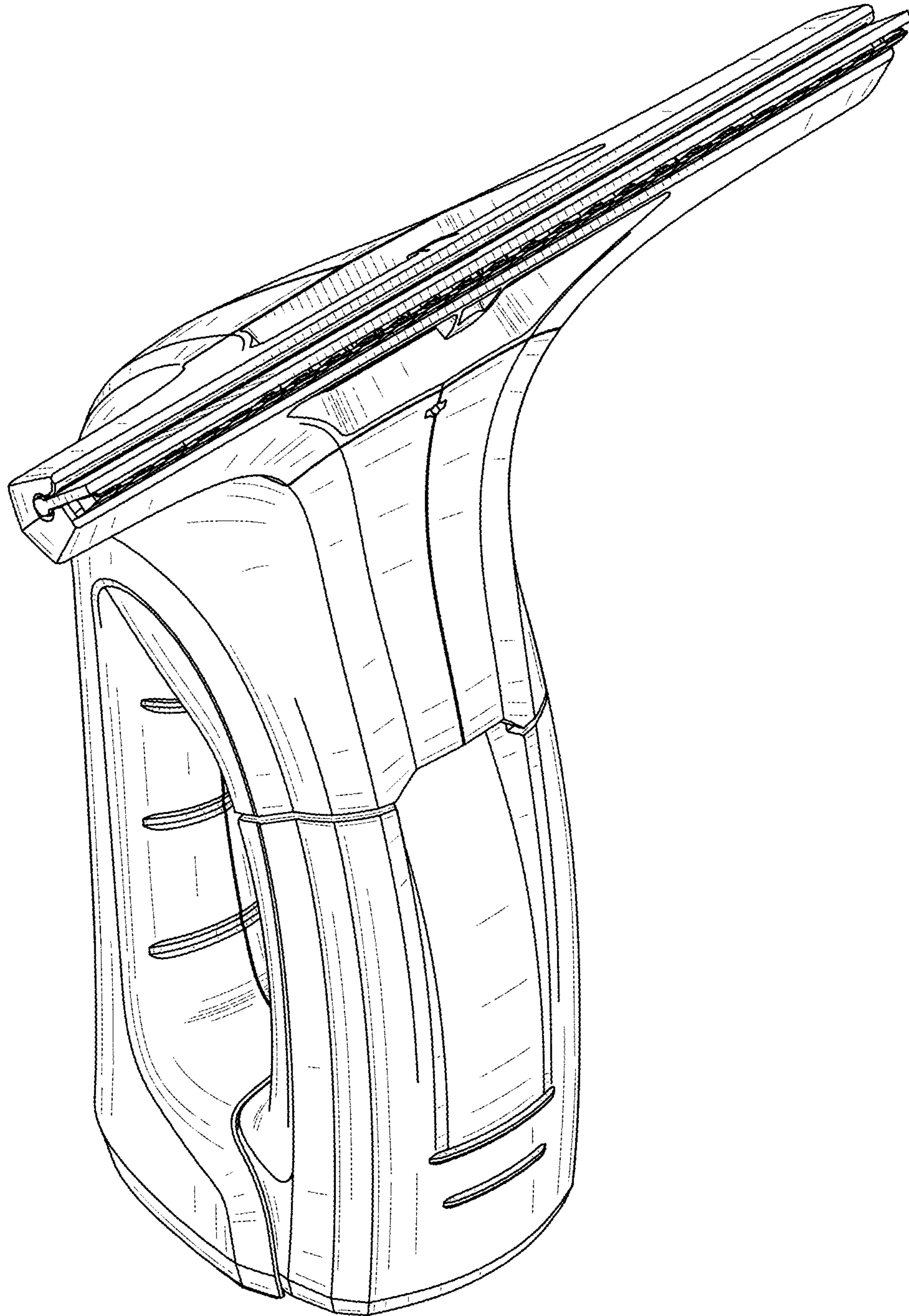


FIG. 2

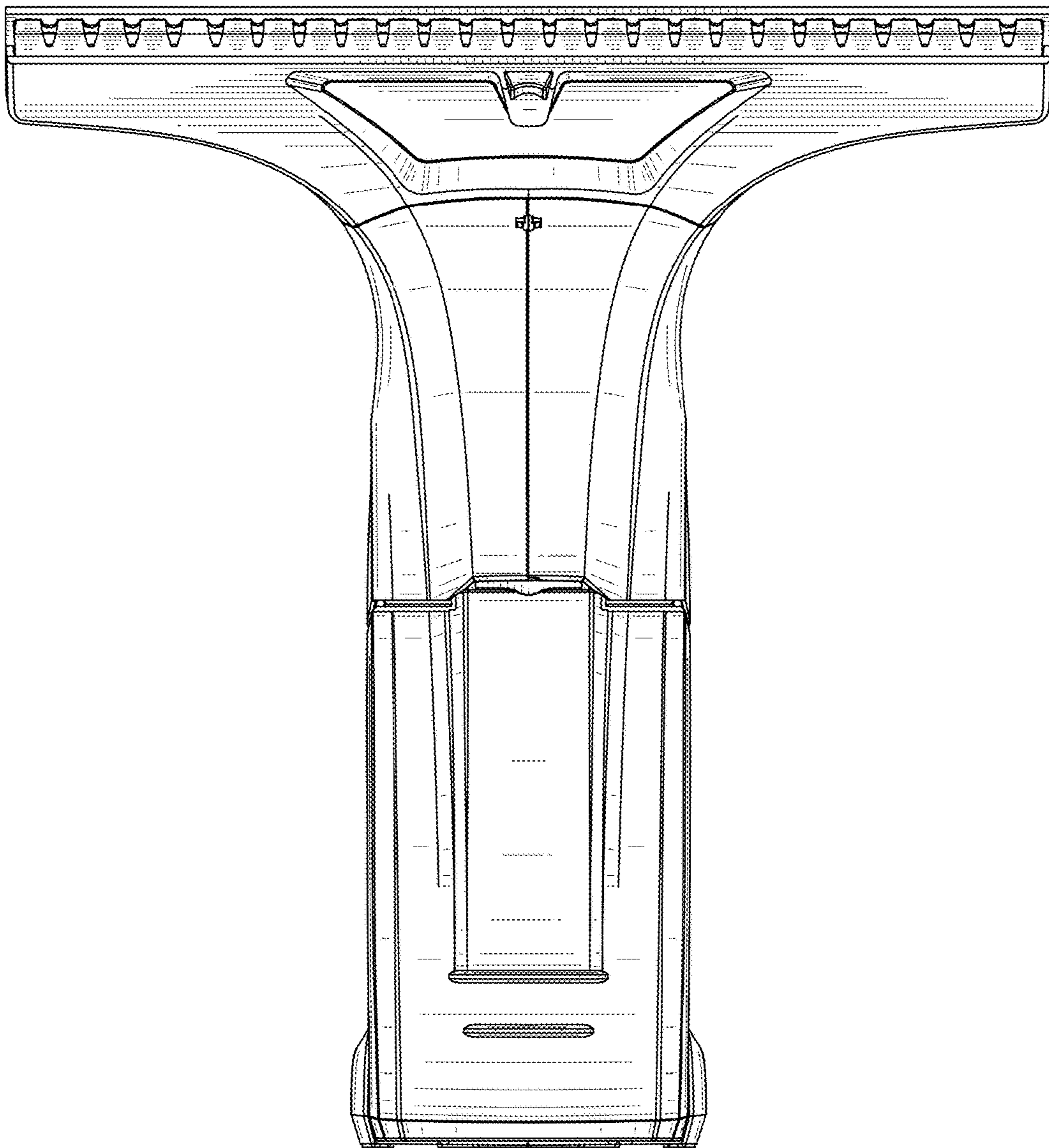


FIG. 3

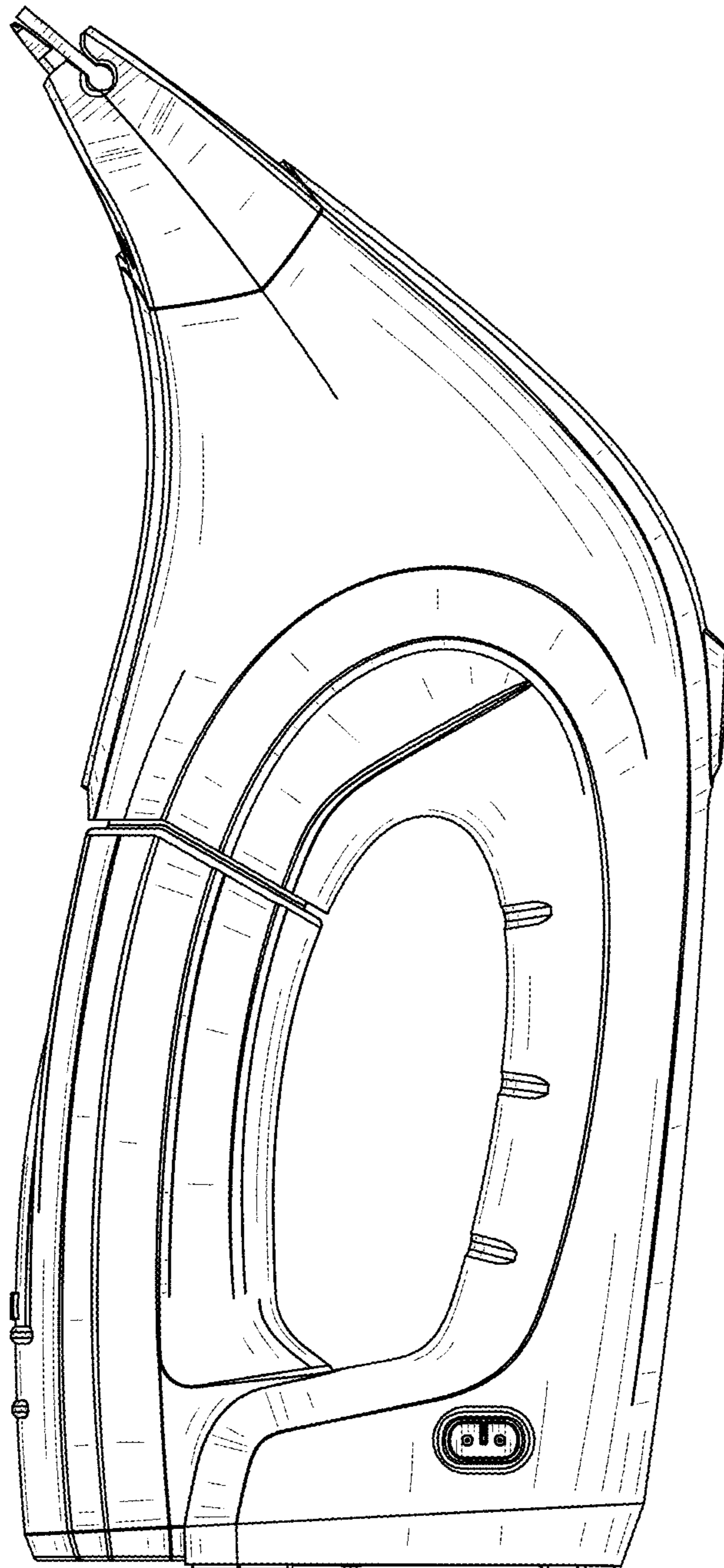


FIG. 4

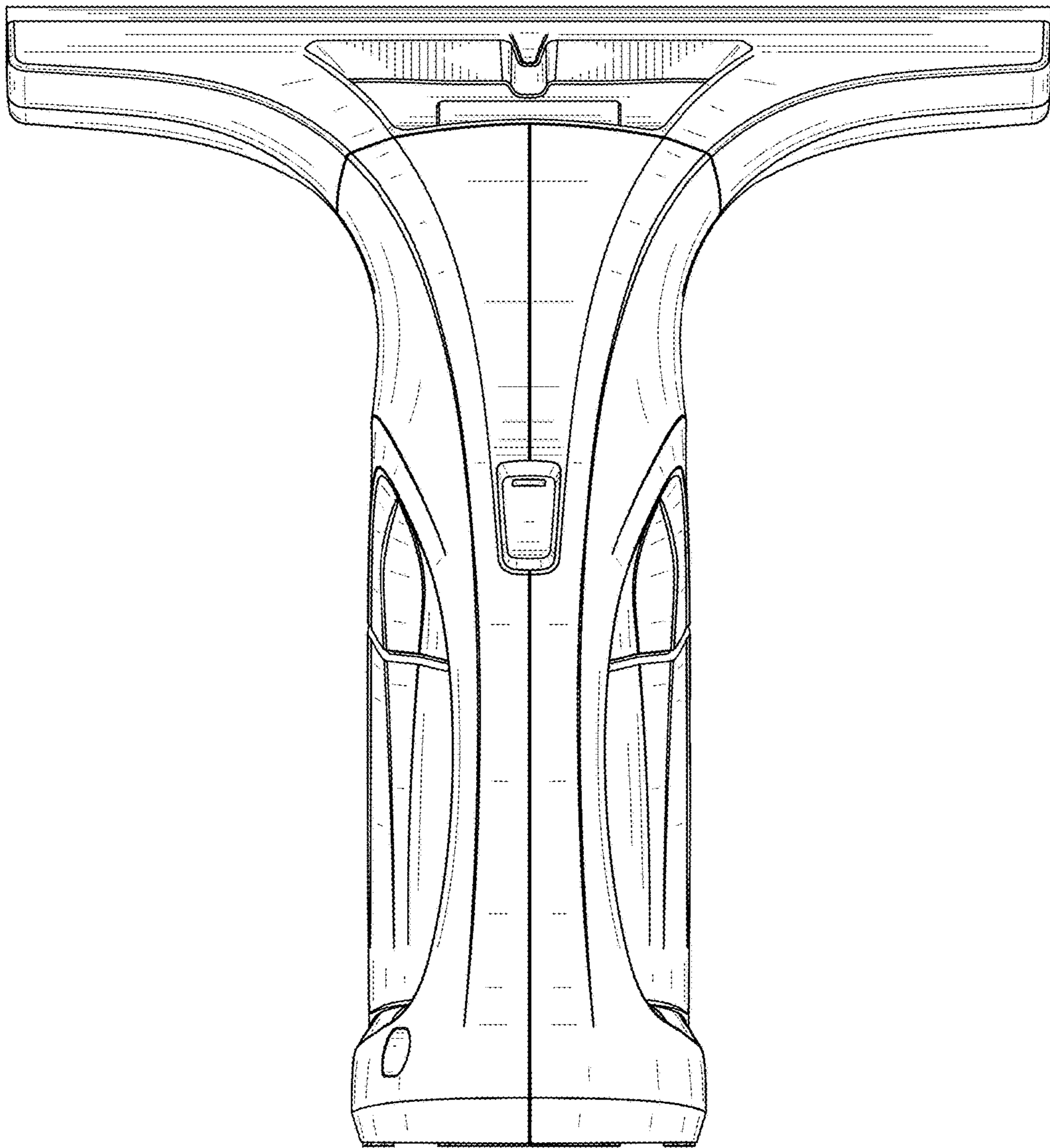
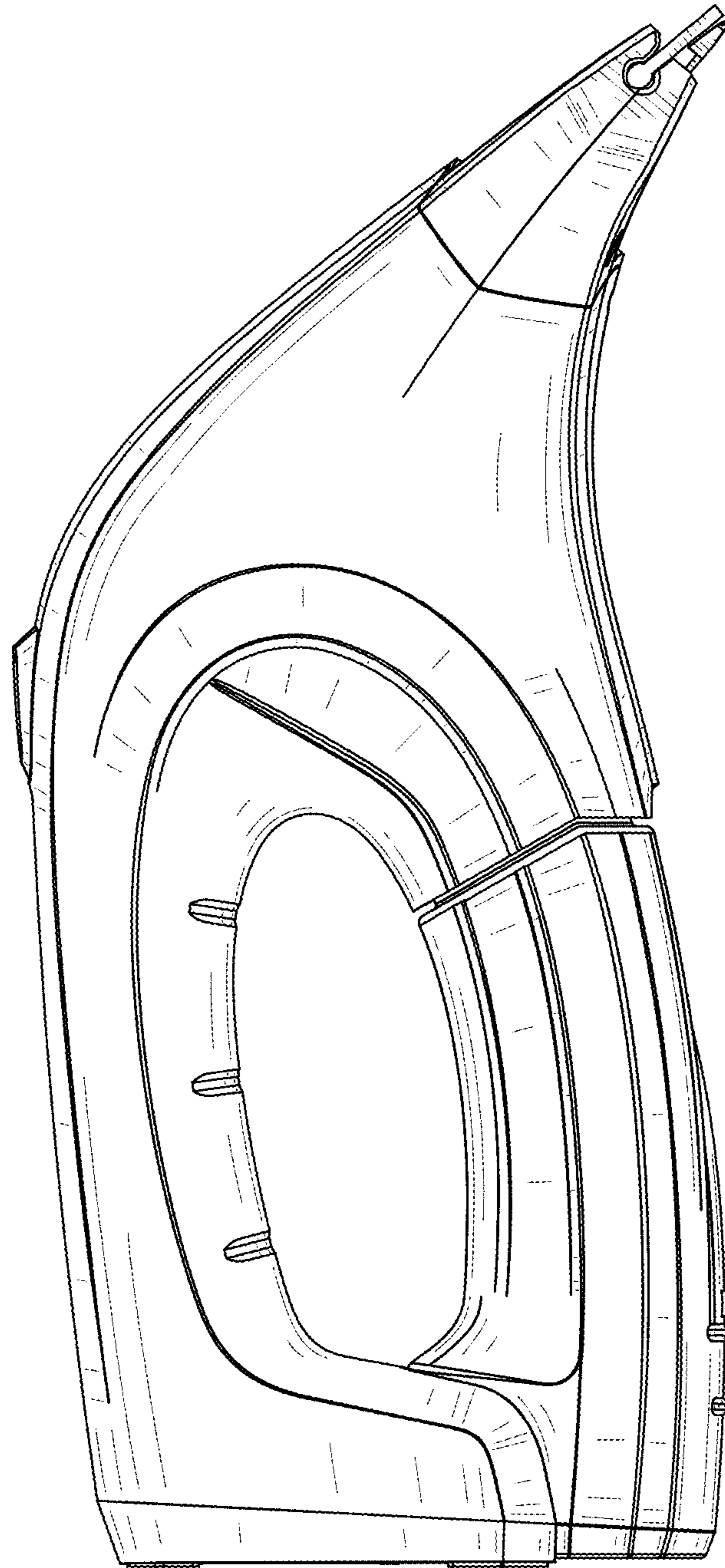


FIG. 5



**FIG. 6**



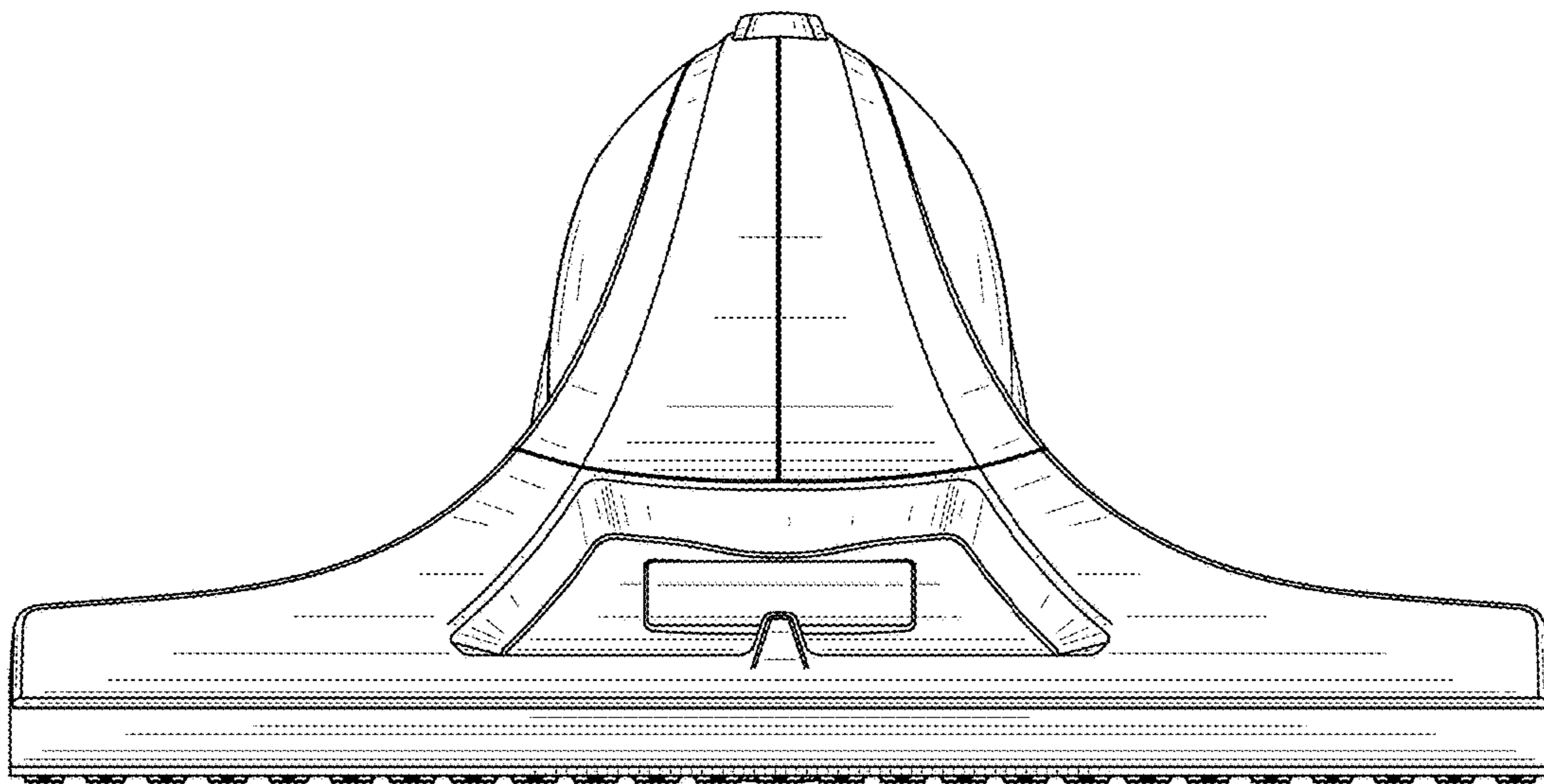


FIG. 7