



US00D835289S

(12) **United States Design Patent** (10) **Patent No.:** **US D835,289 S**  
**Frost et al.** (45) **Date of Patent:** **\*\* Dec. 4, 2018**

(54) **ORTHOPEDIC DEVICE** 4,768,500 A 9/1988 Mason et al.  
4,776,326 A 10/1988 Young et al.  
(71) Applicant: **Ossur Iceland ehf**, Reykjavik (IS) 4,817,588 A 4/1989 Bledsoe  
4,844,057 A \* 7/1989 Hoy ..... A61F 5/0123  
2/24  
(72) Inventors: **Lindsay Frost**, Foothill Ranch, CA D308,186 S 5/1990 Udelhofen et al.  
(US); **Jared Olivo**, Foothill Ranch, CA  
(US) (Continued)

**FOREIGN PATENT DOCUMENTS**

(73) Assignee: **OSSUR ICELAND EHF**, Reykjavik (IS) EP 1086672 A2 3/2001  
EP 1475060 B1 4/2006  
(\*\*) Term: **15 Years** (Continued)

**OTHER PUBLICATIONS**

(21) Appl. No.: **29/583,650**  
(22) Filed: **Nov. 8, 2016** International Search Report from PCT Application No. PCT/US2013/032951, dated May 29, 2013.  
(51) **LOC (11) Cl.** ..... **24-02** (Continued)  
(52) **U.S. Cl.**  
USPC ..... **D24/190**

(58) **Field of Classification Search**  
USPC ..... 602/16, 23, 26, 5, 6, 7, 22, 27, 28, 29, 602/60, 61, 62, 63, 64, 65, 66; D24/188, D24/189, 190, 191, 192; 128/882; D29/121.1, 121.2  
CPC ..... A61F 5/0125; A61F 2005/0167; A61F 5/0106; A61F 5/0123; A61F 2005/0165; Y10T 16/54024; Y10T 16/540247  
See application file for complete search history.

*Primary Examiner* — Cathron C Brooks  
*Assistant Examiner* — Samantha Q. Lawrence  
(74) *Attorney, Agent, or Firm* — Workman Nydegger; Justin Cassell

(57) **CLAIM**

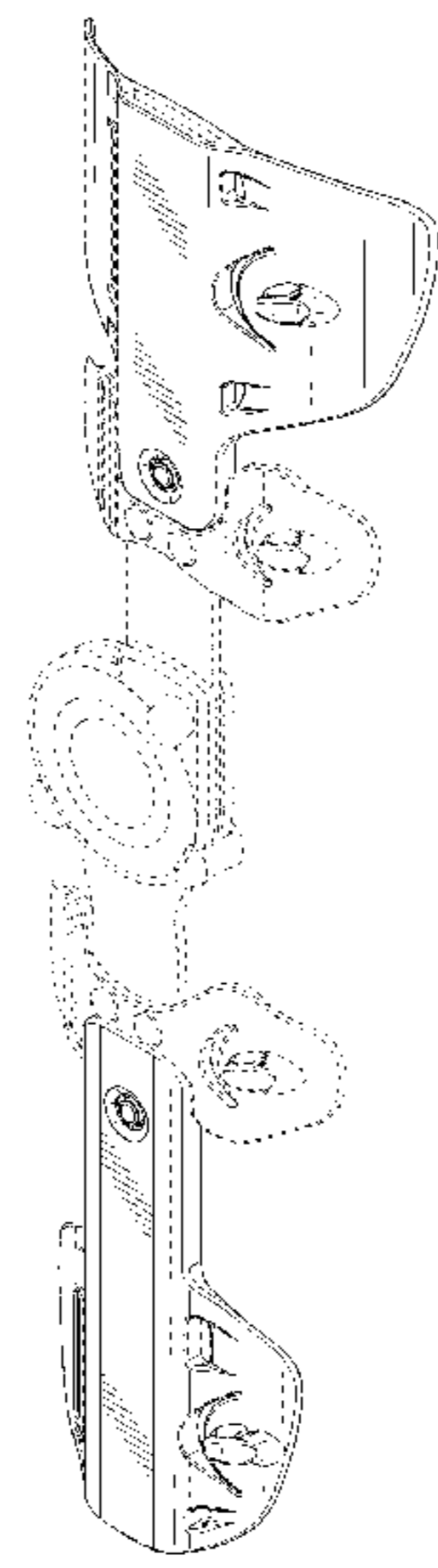
The ornamental design for an orthopedic device, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of an orthopedic device.  
FIG. 2 is a first side elevational view thereof.  
FIG. 3 is a second side elevational view thereof.  
FIG. 4 is a top plan view thereof.  
FIG. 5 is a bottom plan view thereof.  
FIG. 6 is a front elevational view thereof; and,  
FIG. 7 is a rear elevational view thereof.  
The broken lines shown in FIGS. 1-7 illustrate portions of the orthopedic device that form no part of the claimed design.

(56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
2,172,484 A 9/1939 Tessier  
4,041,940 A 8/1977 Frankel et al.  
4,171,555 A 10/1979 Bakker et al.  
4,271,999 A 6/1981 Stravitz  
4,299,014 A 11/1981 Wood  
4,337,764 A 7/1982 Lerman  
4,361,142 A 11/1982 Lewis et al.  
4,381,768 A 5/1983 Erichsen et al.  
4,610,056 A 9/1986 Emmert  
4,628,916 A 12/1986 Lerman et al.  
4,708,130 A 11/1987 Grudem

**1 Claim, 4 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

5,000,169 A 3/1991 Swicegood et al.  
 5,009,223 A 4/1991 DeFonce  
 5,018,514 A 5/1991 Grood et al.  
 5,133,341 A 7/1992 Singer et al.  
 5,135,469 A 8/1992 Castillo  
 5,244,455 A 9/1993 Swicegood et al.  
 5,256,135 A 10/1993 Avihod  
 5,267,946 A 12/1993 Singer et al.  
 D344,610 S 2/1994 Keller  
 5,302,169 A 4/1994 Taylor  
 5,316,547 A 5/1994 Gildersleeve  
 5,372,572 A \* 12/1994 Tamagni ..... A61F 5/0123  
 264/221  
 D357,435 S 4/1995 Cook  
 5,421,810 A 6/1995 Davis et al.  
 5,425,700 A 6/1995 Aaserude et al.  
 5,437,619 A 8/1995 Malewicz et al.  
 5,460,599 A 10/1995 Davis et al.  
 D364,126 S 11/1995 Ochiai et al.  
 5,628,069 A 5/1997 Ebert  
 5,814,000 A 9/1998 Kilbey  
 D399,172 S 10/1998 Anscher  
 5,827,208 A 10/1998 Mason et al.  
 6,004,283 A 12/1999 Young  
 D426,791 S 6/2000 Nezu  
 D427,547 S 7/2000 Yoshiguchi  
 6,110,138 A 8/2000 Shirley  
 D435,807 S 1/2001 Anscher  
 6,383,156 B1 5/2002 Enzerink et al.  
 6,461,318 B2 \* 10/2002 Freeman ..... A61F 5/0123  
 602/23  
 6,689,080 B2 2/2004 Castillo  
 6,821,261 B2 11/2004 Doty et al.  
 6,960,177 B2 11/2005 Turrini et al.  
 6,969,364 B2 11/2005 Sterling  
 7,037,287 B2 5/2006 Cormier et al.  
 7,097,627 B2 8/2006 Enzerink et al.  
 D529,180 S 9/2006 Ingimundarson et al.  
 D530,426 S 10/2006 Muehlenberend  
 D530,820 S 10/2006 Muehlenberend  
 7,128,723 B2 10/2006 Doty et al.  
 7,201,728 B2 4/2007 Sterling  
 7,235,059 B2 6/2007 Mason et al.  
 D546,955 S 7/2007 Bauerfiend et al.  
 D563,270 S 3/2008 Zeng  
 7,384,406 B2 6/2008 Enzerink et al.  
 D577,828 S \* 9/2008 Ingimundarson ..... D24/190  
 7,485,103 B2 2/2009 Mason et al.  
 7,597,674 B2 10/2009 Hu et al.  
 D610,946 S 3/2010 Harada  
 7,722,555 B2 5/2010 Doty et al.  
 D619,497 S 7/2010 Paik  
 D619,498 S 7/2010 Paik  
 D619,726 S \* 7/2010 Win ..... D24/192  
 D623,760 S 9/2010 Chiang  
 D625,654 S 10/2010 Spater  
 7,833,181 B2 11/2010 Cormier et al.  
 7,867,183 B2 1/2011 Kazmierczak et al.  
 D631,787 S 2/2011 Grimm et al.  
 7,905,851 B1 3/2011 Bledsoe  
 7,918,809 B2 4/2011 Enzerink et al.  
 D637,942 S 5/2011 Lee et al.  
 7,963,933 B2 6/2011 Nace  
 7,967,765 B2 6/2011 Nathanson  
 8,021,317 B2 9/2011 Arnold et al.  
 D647,819 S 11/2011 Kolasa  
 D656,430 S 3/2012 Spater  
 8,172,781 B2 5/2012 Oddou et al.  
 8,216,166 B2 7/2012 Einarsson et al.  
 8,273,045 B2 9/2012 Ceriani  
 8,277,403 B2 10/2012 Ceriani et al.  
 D673,880 S 1/2013 Boothby et al.  
 D673,994 S 1/2013 Geller  
 D675,249 S 1/2013 Giroux  
 8,517,965 B2 8/2013 Doty et al.

D693,930 S \* 11/2013 Manalo ..... D24/190  
 8,591,444 B2 11/2013 Bejarano et al.  
 D702,151 S 4/2014 Kaneko et al.  
 8,690,812 B2 4/2014 Moir et al.  
 8,728,018 B2 5/2014 McCune  
 8,864,692 B2 10/2014 Ingimundarson et al.  
 D726,925 S \* 4/2015 Fraser ..... D24/190  
 D735,872 S \* 8/2015 Ljubimir ..... D24/192  
 D739,303 S 9/2015 Kinskey  
 9,125,730 B2 9/2015 Ingimundarson et al.  
 D748,013 S 1/2016 Spater  
 9,233,018 B2 1/2016 Chetlapalli  
 D749,227 S \* 2/2016 Takama ..... D15/199  
 9,480,591 B2 \* 11/2016 Chen ..... A61F 5/0102  
 D775,514 S 1/2017 Muhlenkamp, IV et al.  
 D782,364 S 3/2017 Nykoluk  
 D787,076 S \* 5/2017 Siddiqui ..... D24/190  
 2002/0183672 A1 12/2002 Ezerink et al.  
 2003/0155389 A1 8/2003 Swartzentruber  
 2004/0068215 A1 4/2004 Adelson et al.  
 2005/0070831 A1 3/2005 Cormier et al.  
 2005/0089772 A1 4/2005 Kawaguchi et al.  
 2005/0148917 A1 7/2005 Nathanson  
 2006/0036045 A1 2/2006 Wilson et al.  
 2006/0155229 A1 7/2006 Ceriani et al.  
 2006/0155230 A1 7/2006 Mason et al.  
 2006/0155232 A1 7/2006 Ceriani  
 2006/0206045 A1 9/2006 Townsend et al.  
 2006/0247565 A1 11/2006 Cormier et al.  
 2007/0038168 A1 2/2007 Turrini et al.  
 2007/0213648 A1 9/2007 Ferrigolo et al.  
 2008/0092271 A1 4/2008 Victor  
 2009/0182254 A1 7/2009 Cho  
 2009/0216165 A1 8/2009 Christenhusz et al.  
 2010/0256543 A1 10/2010 McCune  
 2011/0009786 A1 1/2011 Chan  
 2011/0082402 A1 4/2011 Oddou et al.  
 2011/0178448 A1 7/2011 Einarsson  
 2013/0253396 A1 9/2013 Chetlapalli  
 2013/0269629 A1 10/2013 Holt, Jr.  
 2014/0018828 A1 1/2014 Foerster et al.  
 2014/0364782 A1 12/2014 Knecht  
 2015/0018735 A1 1/2015 Chetlapalli et al.  
 2015/0057586 A1 2/2015 Glace et al.  
 2015/0100005 A1 4/2015 Lu  
 2015/0100006 A1 4/2015 Lu  
 2015/0141888 A1 5/2015 Chiang et al.  
 2015/0296929 A1 10/2015 Kung  
 2016/0089258 A1 \* 3/2016 Chen ..... A61F 5/0102  
 602/16  
 2017/0281390 A1 \* 10/2017 Abdul-Hafiz ..... A61F 5/0125

FOREIGN PATENT DOCUMENTS

EP 1475060 B2 9/2009  
 WO 9322992 A1 11/1993  
 WO 0202035 A1 1/2002  
 WO 2005046536 A1 5/2005  
 WO 2015106317 A1 7/2015

OTHER PUBLICATIONS

“GII Rehab Alternatives”, Products Engineered for Better People Performance, At least of May 9, 2003, 2 Pages.  
 “Rehab Alternatives”, The GII Rehab Solutions, At least of May 9, 2003, 2 Pages.  
 “GII Rehab”, The GII Othotics Europe, At least of May 9, 2003, 2 Pages.  
 “#TR1.38 Triangle Rings for 38mm Straps Nickel, Gunmetal or Light Gold,” SewCreativeSupplies, requested from www.sewcreativesupplies.com.au/t138-triangle-glides-for-38mm-webbing-nickel-gunmetal-or-light-gold>, 2017, 2 Pages.  
 “T Scope Premier Post-Op Knee Brace”, Breg Inc, 2017, 4 Pages.  
 “AP037 Heavy Duty D-Ring,” American Plastics, requested from www.americanplastics.com/catalog.asp?cat=47982163&p=1&c=4>, 2017, 1 Page.



(56)

**References Cited**

OTHER PUBLICATIONS

“Beastee Dee,” Tri-Point, requested from [www.tri-point.com/products/plastic-buckles/d-rings-and-strap-attachments/beastee-dee/](http://www.tri-point.com/products/plastic-buckles/d-rings-and-strap-attachments/beastee-dee/), 2017, 2 Pages.

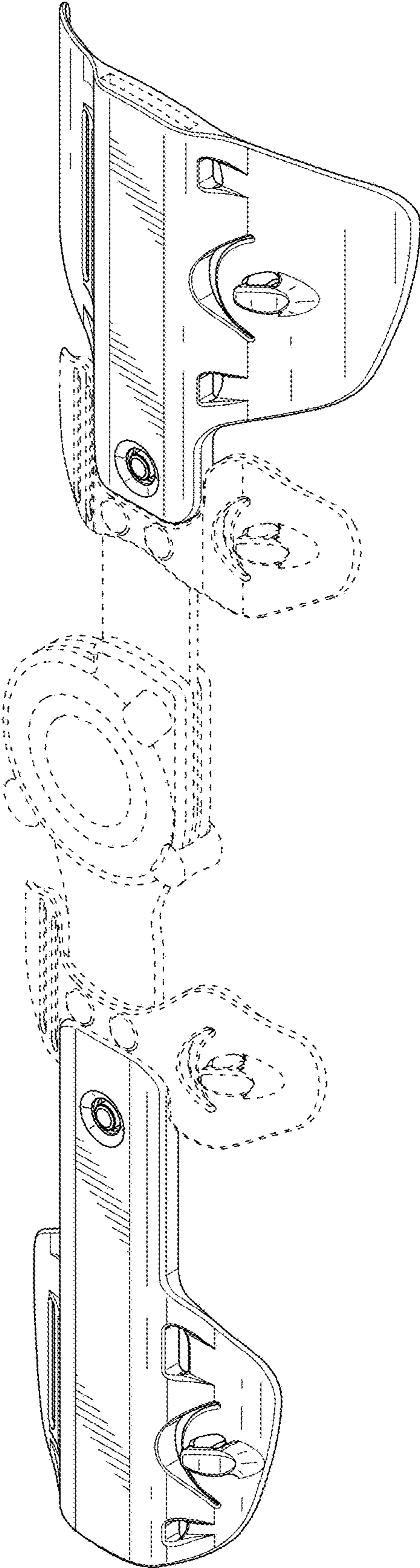
“DDR Black Plastic Double D Ring,” National Webbing, requested from [www.nationalwebbing.com/products/DDR-Black-Plastic-Double-D-Ring.html](http://www.nationalwebbing.com/products/DDR-Black-Plastic-Double-D-Ring.html), 2017, 2 Pages.

“SNDR Black Plastic Snap D Ring,” National Webbing, requested from [www.nationalwebbing.com/products/SNDR-Black-Plastic-Snap-D-Ring.html](http://www.nationalwebbing.com/products/SNDR-Black-Plastic-Snap-D-Ring.html), 2017, 2 Pages.

International Search Report From PCT Application No. PCT/US2017/025851, Aug. 17, 2017.

\* cited by examiner

FIG. 1



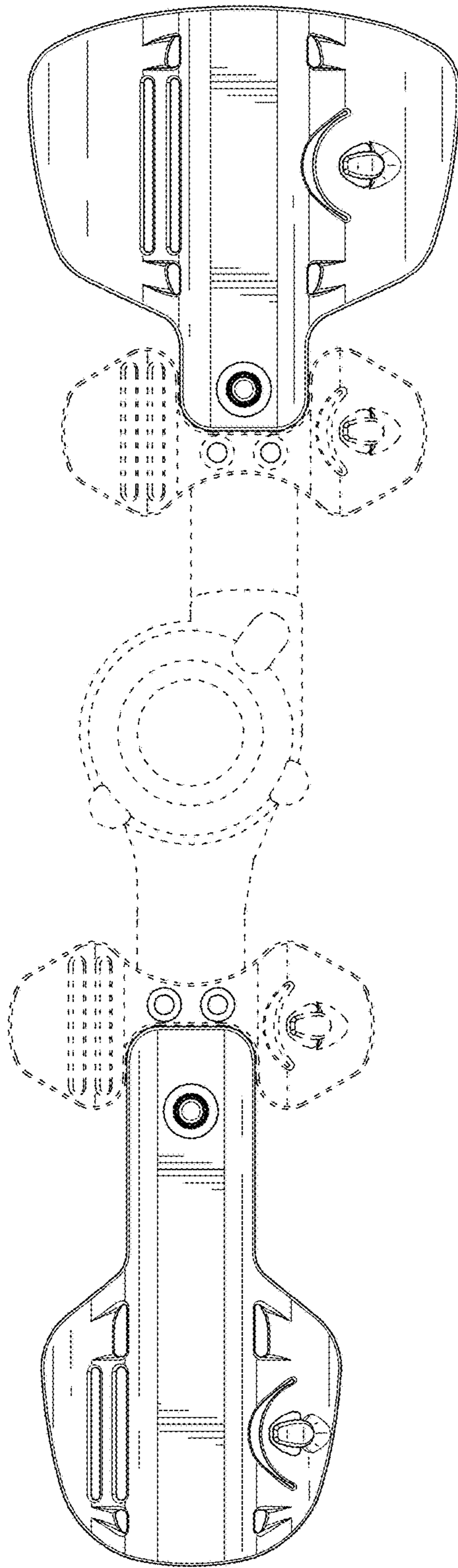


FIG. 2

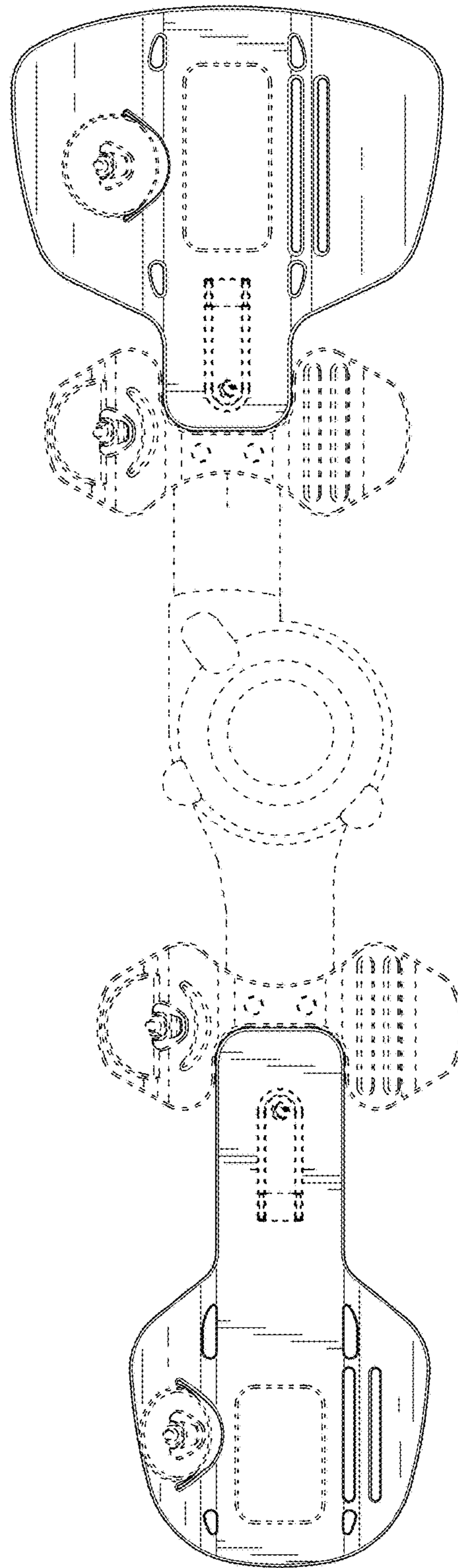


FIG. 3

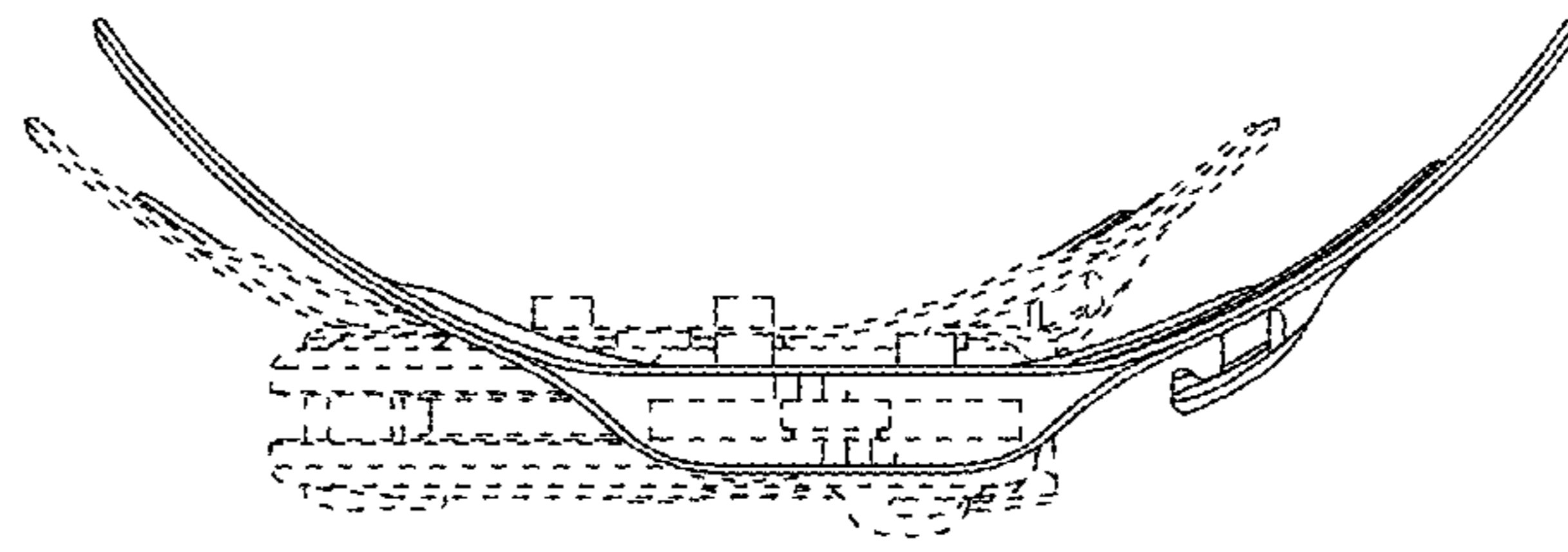


FIG. 4

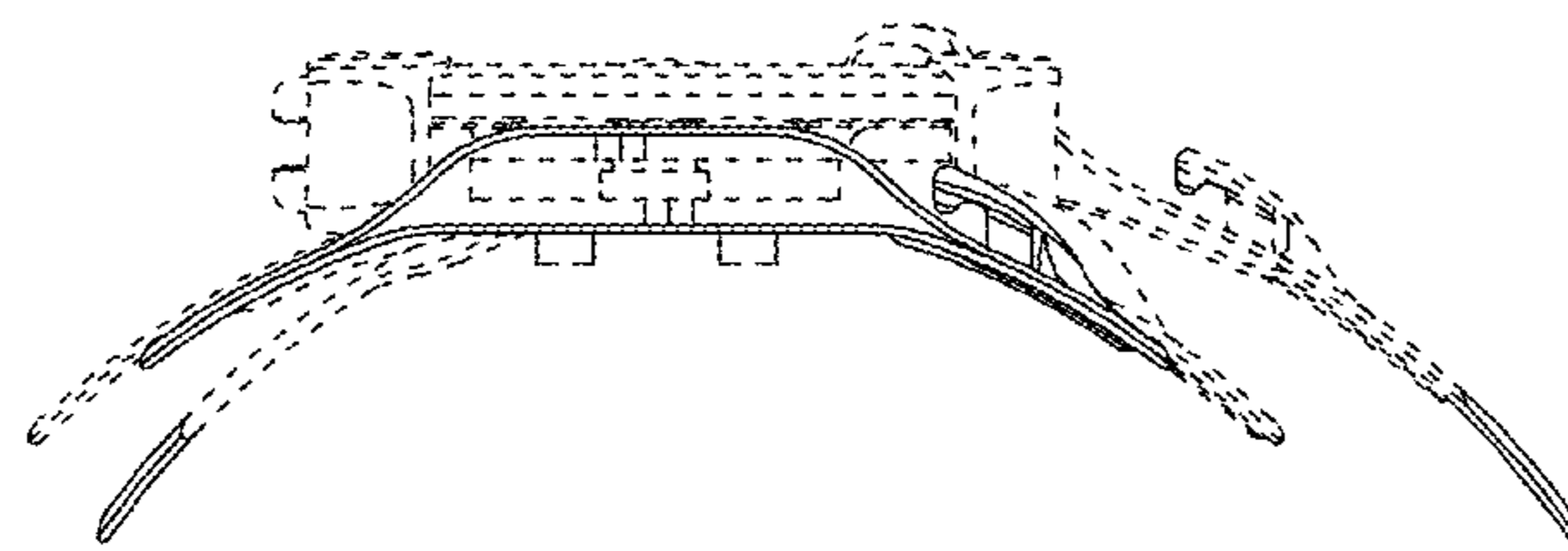


FIG. 5



FIG. 6

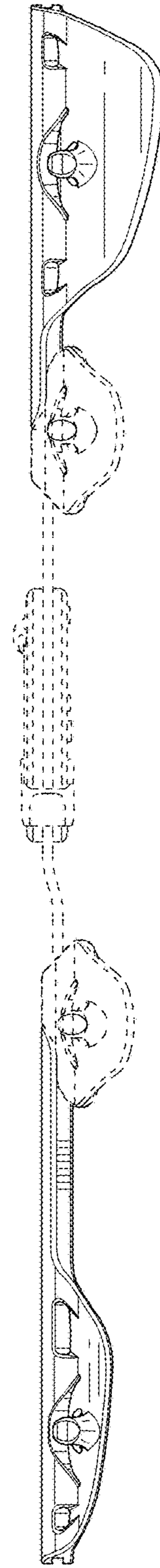


FIG. 7