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

(10) **Patent No.:** **US D643,537 S**  
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(54) **PUMP FOR AN ORTHOPEDIC DEVICE**

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(73) Assignee: **Ossur HF**, Reykjavik (IS)

(\*\*) Term: **14 Years**

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(51) **LOC (9) Cl.** ..... **24-01**

(52) **U.S. Cl.** ..... **D24/192**

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602/26, 27, 30, 60-66; 2/16, 22, 24, 239;  
128/869, 879, 882, 893, 894, DIG. 20; 36/3 B,  
36/3 R, 4, 8.1-8.3, 30, 88-89, 91, 96, 99,  
36/102, 108; D2/902, 946-947, 954, 957,  
D2/960; D15/7

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,685,176 A	8/1972	Rudy	
3,760,056 A	9/1973	Rudy	
3,786,805 A	1/1974	Tourin	
3,814,088 A	6/1974	Raymond	
3,922,800 A	12/1975	Miller et al.	
3,955,565 A	5/1976	Johnson, Jr.	
4,045,888 A	9/1977	Oxenberg	
4,057,056 A	11/1977	Payton	
4,142,307 A	3/1979	Martin	
4,184,273 A	1/1980	Boyer et al.	
4,217,706 A	8/1980	Vartanian	
4,217,893 A	8/1980	Payton	
4,232,459 A *	11/1980	Vaccari	36/71
4,414,965 A	11/1983	Mauldin et al.	
4,446,856 A	5/1984	Jordan	
4,494,536 A	1/1985	Latenser	
4,505,269 A	3/1985	Davies et al.	
4,550,721 A	11/1985	Michel	

4,565,017 A	1/1986	Ottieri
4,572,169 A	2/1986	Mauldin et al.
4,587,962 A	5/1986	Greene et al.
4,669,202 A	6/1987	Ottieri
4,771,768 A	9/1988	Crispin

(Continued)

FOREIGN PATENT DOCUMENTS

EP	0 095 396	11/1983
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(Continued)

OTHER PUBLICATIONS

Nextep™ Contour Walker, product information sheet from Internet search results, www.djortho.com, Jan. 1, 2008, 1 page.

(Continued)

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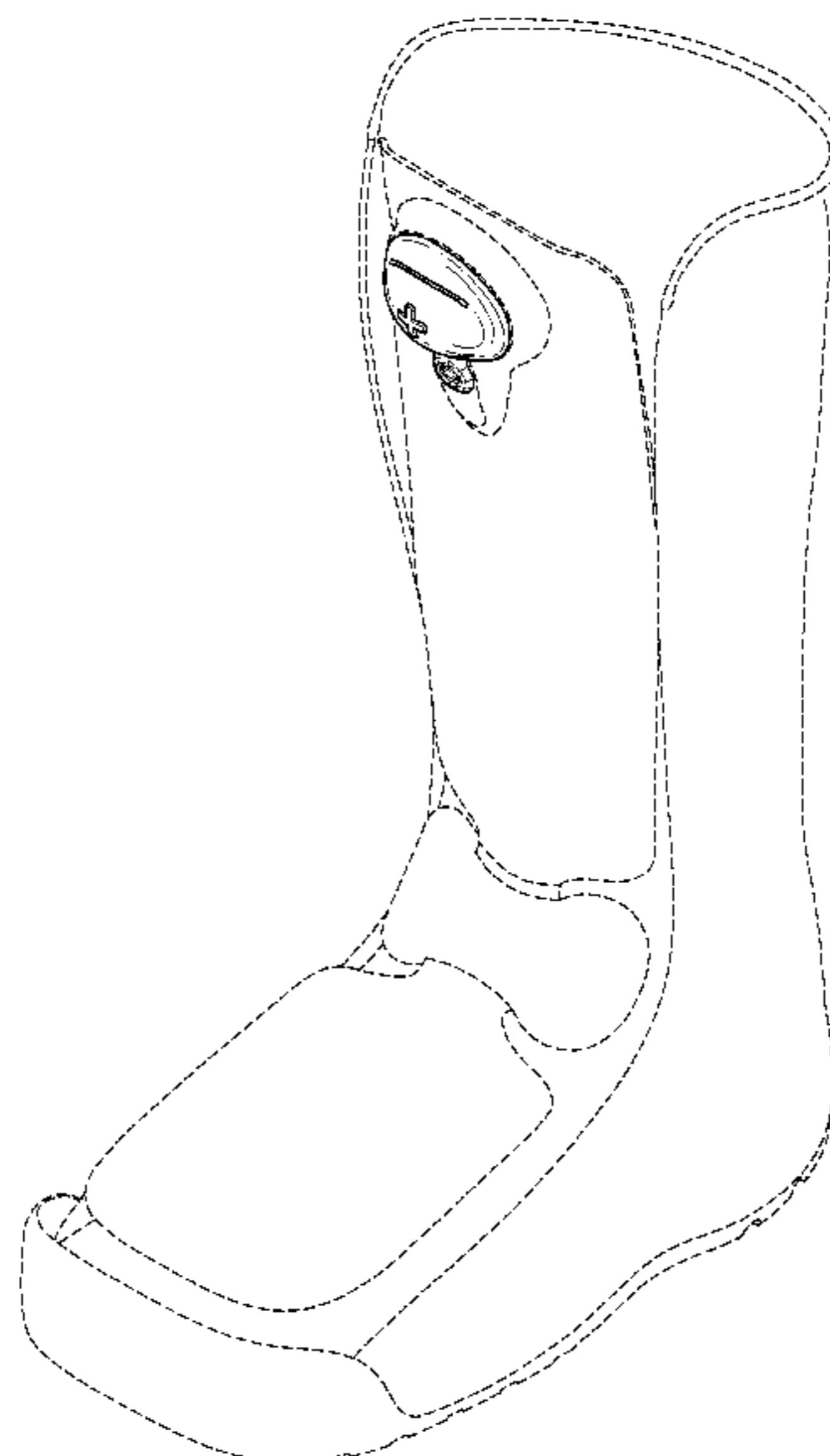
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a perspective view of a pump for an orthopedic device showing my new design.  
FIG. 2 is an enlarged front elevational view according to the pump of FIG. 1 provided for better clarity of the pump.  
FIG. 3 is an enlarged first side elevational view according to the pump of FIG. 1 provided for better clarity of the pump; and,  
FIG. 4 is an enlarged opposite side elevational view according to the pump of FIG. 1 provided for better clarity of the pump. The broken lines illustrate environmental and supplementary structure and form no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



# US D643,537 S

## U.S. PATENT DOCUMENTS

4,805,601	A	2/1989	Eischen, Sr.	
4,947,838	A	8/1990	Giannetti	
5,078,128	A	1/1992	Grim et al.	
5,125,400	A	6/1992	Johnson, Jr.	
5,143,058	A	9/1992	Luber et al.	
5,176,623	A	1/1993	Stetman et al.	
5,183,036	A	2/1993	Spademan	
5,197,942	A	3/1993	Brady	
5,242,379	A	9/1993	Harris et al.	
5,277,695	A	1/1994	Johnson, Jr. et al.	
D344,589	S	2/1994	Kilbey	
5,288,286	A	2/1994	Davis	
5,329,705	A	7/1994	Grim et al.	
5,368,551	A	11/1994	Zuckerman	
5,370,133	A	12/1994	Darby et al.	
5,378,223	A	1/1995	Grim et al.	
5,399,152	A	3/1995	Habermeyer et al.	
D358,596	S *	5/1995	Solar et al. ....	D15/7
5,425,701	A	6/1995	Oster et al.	
5,429,588	A	7/1995	Young et al.	
5,435,009	A	7/1995	Schild et al.	
5,464,385	A	11/1995	Grim	
5,471,768	A *	12/1995	Pryor .....	36/3 R
5,496,263	A	3/1996	Fuller, II et al.	
D371,141	S *	6/1996	Bonzer .....	D15/7
5,577,998	A	11/1996	Johnson, Jr. et al.	
5,717,996	A	2/1998	Feldmann	
D394,067	S *	5/1998	Kon .....	D15/7
5,761,834	A	6/1998	Grim et al.	
5,778,563	A	7/1998	Ahlbaumer	
5,827,210	A	10/1998	Antar et al.	
5,827,211	A	10/1998	Sellinger	
5,833,639	A *	11/1998	Nunes et al. ....	602/23
5,853,380	A	12/1998	Miller	
5,857,987	A	1/1999	Habermeyer	
5,868,690	A	2/1999	Eischen, Sr.	
5,961,477	A	10/1999	Turtzo	
5,993,404	A	11/1999	McNiel	
6,021,780	A	2/2000	Darby	
6,027,468	A	2/2000	Pick	
6,228,044	B1	5/2001	Jensen et al.	
6,267,742	B1	7/2001	Krivosha et al.	
D446,632	S *	8/2001	Swift .....	D2/912
D448,150	S *	9/2001	Matis et al. ....	D2/969
6,334,854	B1	1/2002	Davis	
6,361,514	B1	3/2002	Brown et al.	
6,377,178	B1	4/2002	DeToro et al.	
6,409,691	B1	6/2002	Dakin et al.	
6,432,073	B2	8/2002	Pior et al.	
6,589,194	B1	7/2003	Calderon et al.	

6,682,497	B2	1/2004	Jensen et al.	
6,755,798	B2	6/2004	McCarthy et al.	
D500,855	S	1/2005	Pick et al.	
6,866,043	B1	3/2005	Davis	
6,945,944	B2	9/2005	Kuiper et al.	
6,976,972	B2	12/2005	Bradshaw	
6,991,613	B2	1/2006	Sensabaugh	
7,010,823	B2	3/2006	Baek	
D520,141	S *	5/2006	Nordt et al. ....	D24/190
7,303,538	B2	12/2007	Grim et al.	
7,384,584	B2	6/2008	Jerome et al.	
D578,652	S *	10/2008	Tabron et al. ....	D24/192
D616,556	S *	5/2010	Hu .....	D24/192
2002/0095105	A1	7/2002	Jensen	
2002/0128574	A1	9/2002	Darby	
2004/0010212	A1	1/2004	Kuiper et al.	
2004/0019307	A1	1/2004	Grim et al.	
2005/0131324	A1	6/2005	Bledsoe	
2005/0145256	A1	7/2005	Howard et al.	
2005/0171461	A1	8/2005	Pick	
2005/0172517	A1	8/2005	Bledsoe et al.	
2005/0274046	A1	12/2005	Schwartz	
2006/0135899	A1	6/2006	Jerome et al.	
2006/0189907	A1	8/2006	Pick et al.	
2006/0217649	A1	9/2006	Rabe	
2006/0229541	A1	10/2006	Hassler et al.	
2007/0191749	A1	8/2007	Barberio	
2007/0282230	A1	12/2007	Valderrabano et al.	
2007/0293798	A1	12/2007	Hu et al.	
2008/0039767	A1 *	2/2008	Nordt et al. ....	602/64
2009/0287128	A1 *	11/2009	Ingimundarson et al. ....	602/27

## FOREIGN PATENT DOCUMENTS

WO 09324081 12/1993

## OTHER PUBLICATIONS

Nextep Contour w/Air Walker, product information sheet from Internet search results, www.djortho.com, Jan. 1, 2008, 1 page.  
 XP Achilles Walker (EU ony), product information sheet from Internet search results, www.aircast.com, Jan. 1, 2008, 4 pages.  
 XP Achilles Walker™, product information sheet from Internet search results, www.aircast.com, Jan. 1, 2008, 4 pages.  
 SP Walker™ (short pneumatic), product information sheet from Internet search results, www.aircast.com, Jan. 1, 2008, 4 pages.  
 FP Walker™ (foam pneumatic), product information sheet from Internet search results, www.aircast.com, Jan. 1, 2008, 4 pages.  
 XP Walker™ (extra pneumatic), product information sheet from Internet search results, www.aircast.com, Jan. 1, 2008, 4 pages.

\* cited by examiner

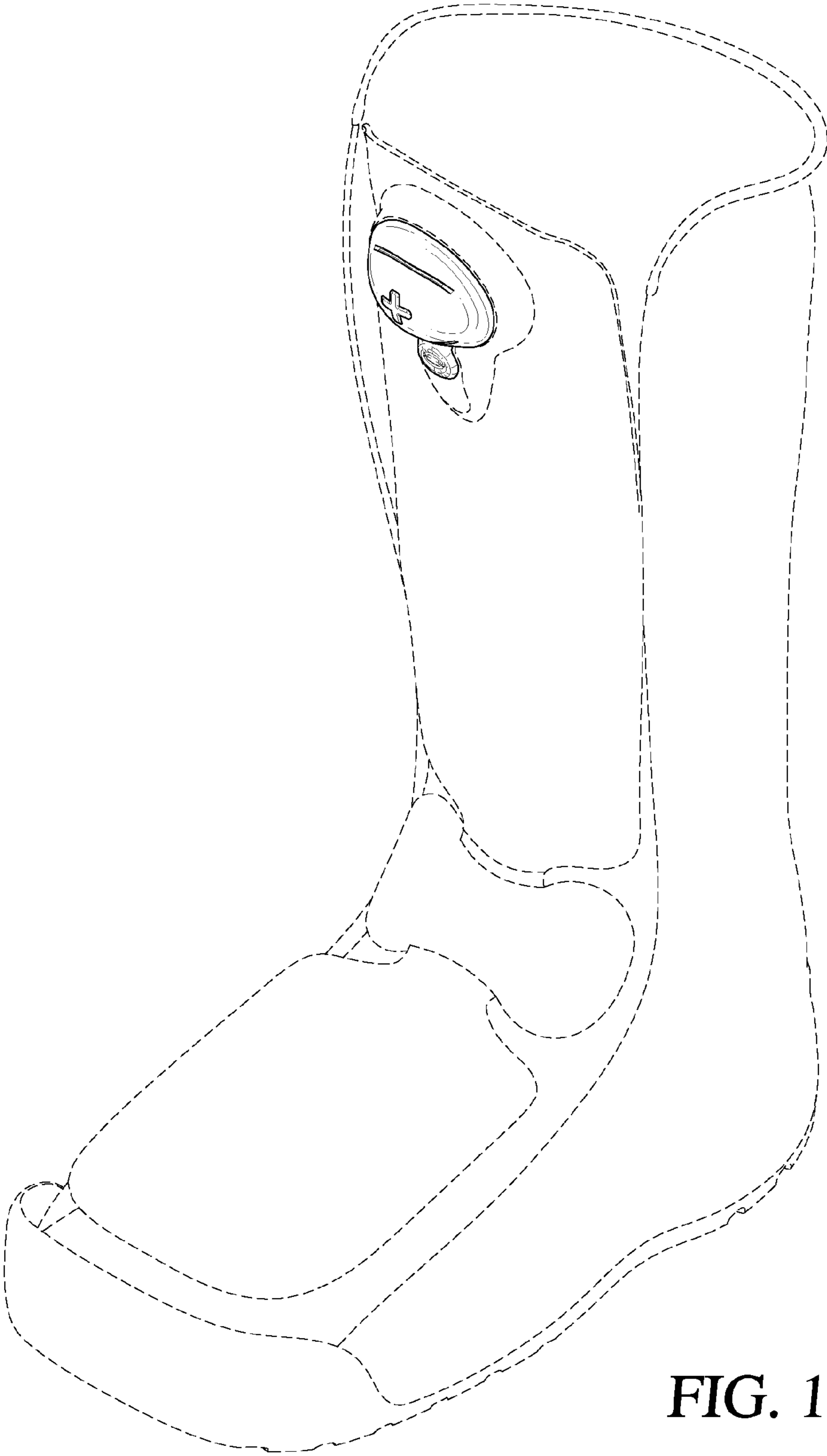


FIG. 1

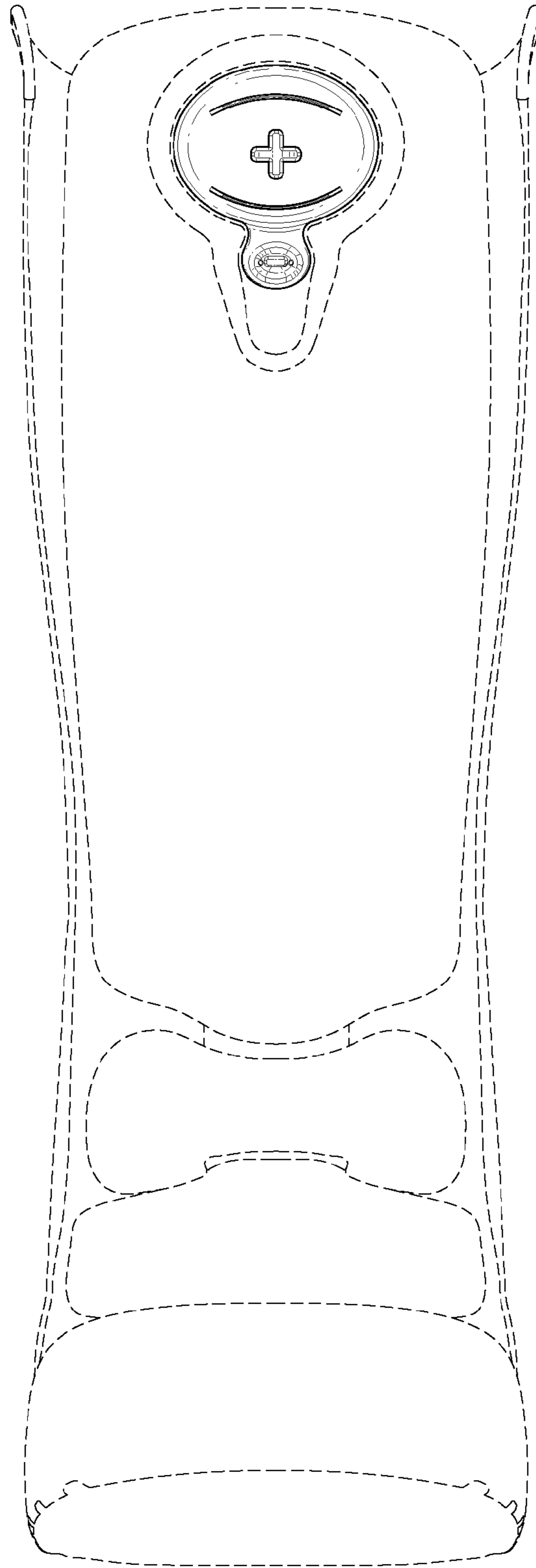


FIG. 2

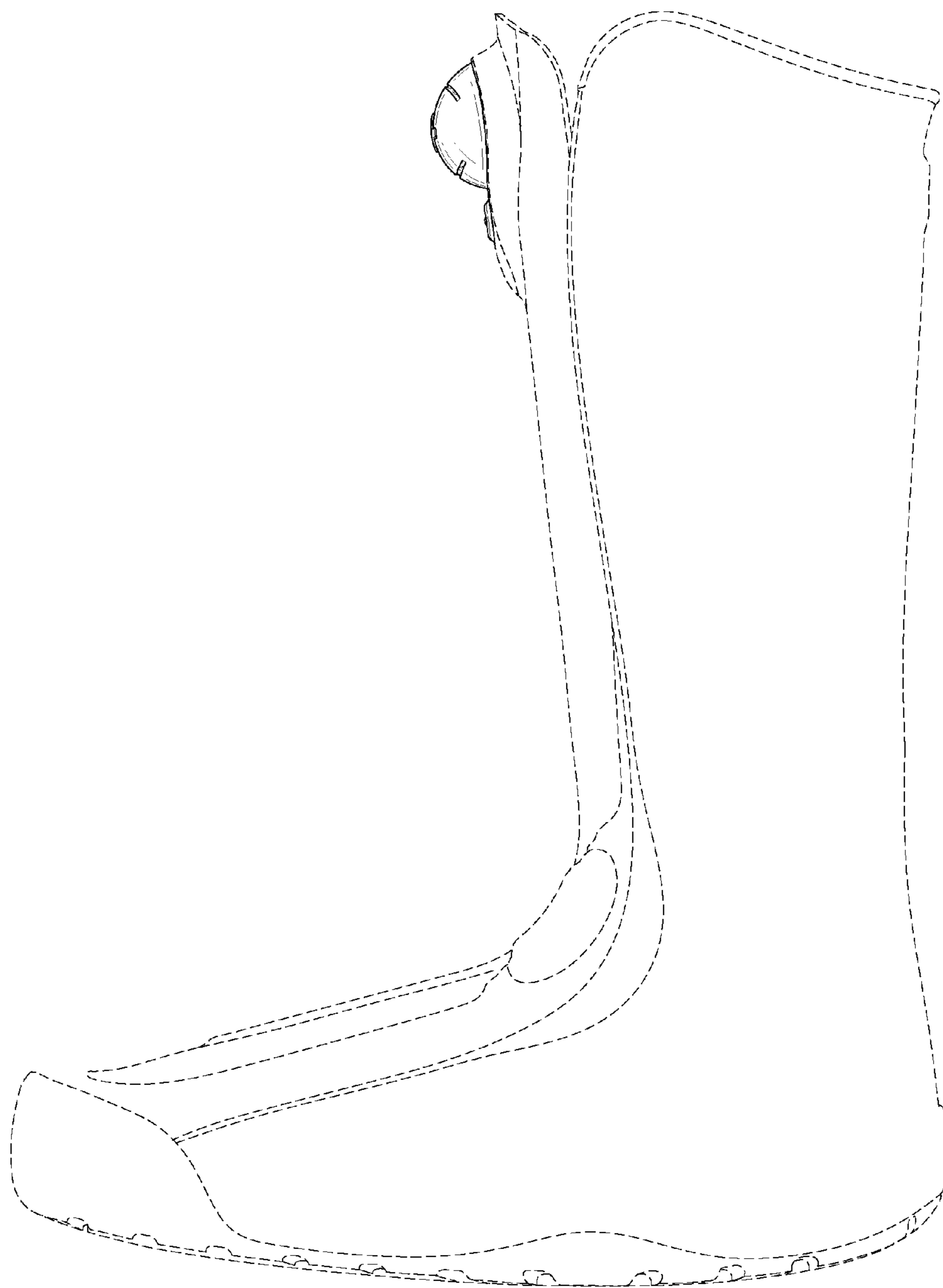


FIG. 3

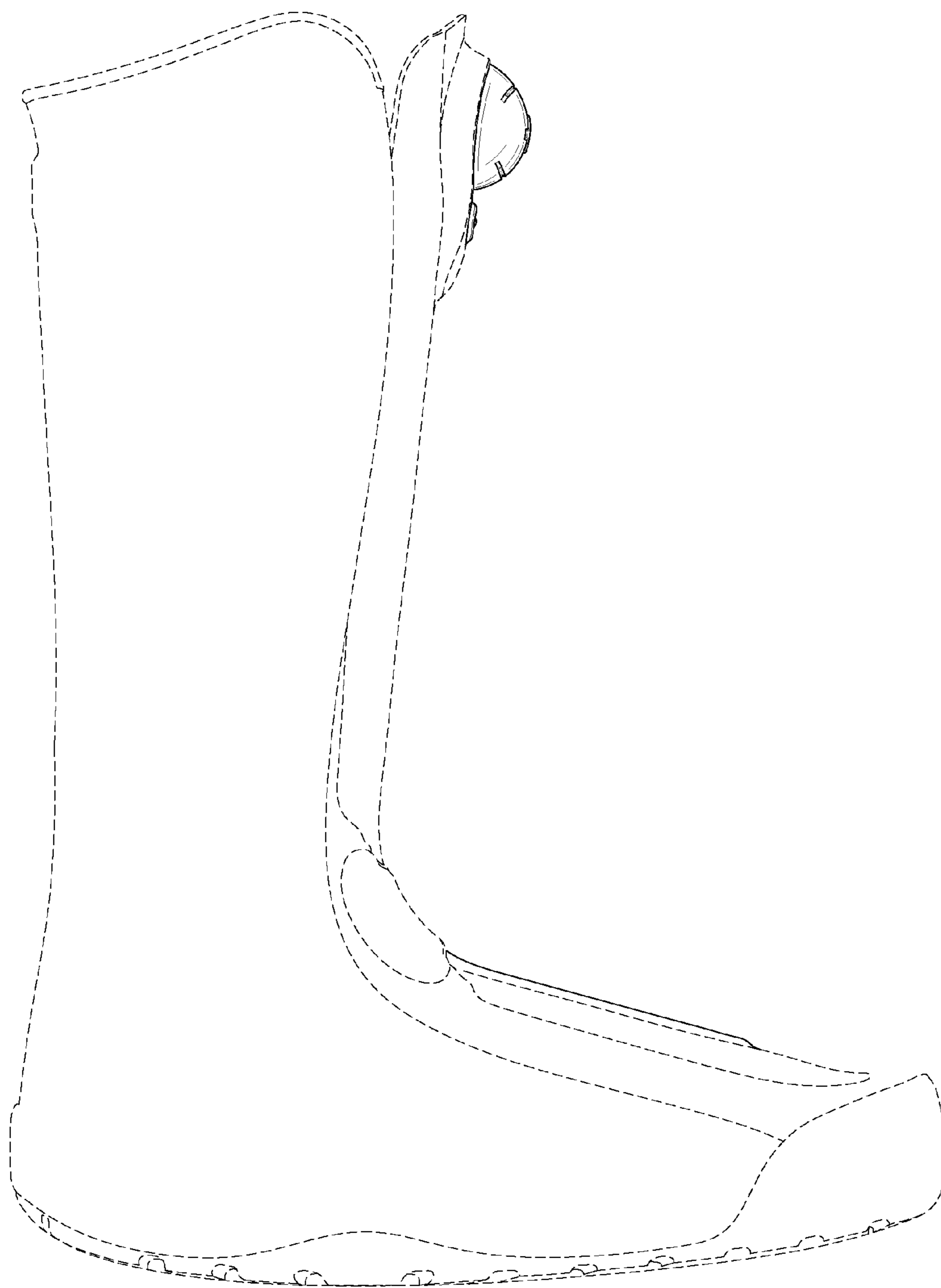


FIG. 4