



US00D753118S

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

(10) **Patent No.:** **US D753,118 S**  
(45) **Date of Patent:** **\*\* Apr. 5, 2016**

- (54) **CONTROLLER**
- (71) Applicant: **Caterpillar Inc.**, Peoria, IL (US)
- (72) Inventors: **Nathan Daniel French**, Metamora, IL (US); **Andrew John Kieser**, Morton, IL (US); **Tony Ross Metzger**, Congerville, IL (US); **Bryan Everett Copeland**, Bartonville, IL (US); **David Allen Ober**, Peoria, IL (US); **Brad R. Van De Veer**, Washington, IL (US)
- (73) Assignee: **Caterpillar Inc.**, Peoria, IL (US)
- (\*\*) Term: **14 Years**
- (21) Appl. No.: **29/509,961**
- (22) Filed: **Nov. 24, 2014**
- (51) **LOC (10) Cl.** ..... **14-02**
- (52) **U.S. Cl.**  
USPC ..... **D14/412**; D13/168; D12/179; D15/28
- (58) **Field of Classification Search**  
USPC ..... D13/168; D12/174, 179; D14/412, 415, D14/416; D15/28, 142; D21/179, 333; D34/35  
CPC ..... E02F 3/815; E02F 3/844; E02F 3/845; E02F 9/2004; E02F 9/2012; E02F 9/26; G05G 1/02; G05G 1/06; G05G 1/08; G05G 13/00; G05G 9/00; G05G 9/04785; G05G 9/10  
See application file for complete search history.

- (56) **References Cited**  
U.S. PATENT DOCUMENTS  
D193,784 S \* 10/1962 Haeckler ..... D13/168  
D298,749 S \* 11/1988 Yant ..... D13/168  
5,566,586 A \* 10/1996 Lauer ..... E02F 9/2004  
180/333  
5,620,053 A 4/1997 Kamikawa et al.  
D442,179 S \* 5/2001 Alviar ..... D14/412  
D450,702 S \* 11/2001 Sagawa ..... D14/412  
D462,685 S \* 9/2002 Yamamoto ..... D14/415  
D463,457 S \* 9/2002 Nagatsuka ..... D15/28

- 6,550,562 B2 \* 4/2003 Brandt ..... E02F 9/2004  
180/333
- 6,571,902 B2 \* 6/2003 Heyne ..... A01B 63/10  
180/321
- 6,892,481 B2 \* 5/2005 Yamamoto ..... E02F 9/2004  
324/207.2
- 7,334,658 B2 2/2008 Berg et al.
- D568,796 S \* 5/2008 Oliver ..... D12/179
- D577,359 S \* 9/2008 Cigarini ..... D12/179
- 7,497,298 B2 \* 3/2009 Shearer ..... E02F 3/7663  
180/333
- 7,681,686 B1 \* 3/2010 Klas ..... B60K 26/00  
180/329
- 7,784,581 B1 \* 8/2010 Klas ..... B60N 2/4693  
180/329
- 8,276,476 B2 \* 10/2012 Diccion ..... E02F 9/2004  
180/315
- D671,565 S \* 11/2012 Kinoshita ..... D15/28
- 8,434,562 B2 5/2013 Miyasaka et al.
- D686,622 S \* 7/2013 Rey ..... D14/412
- 8,700,271 B2 4/2014 Evenson et al.

(Continued)

**OTHER PUBLICATIONS**

U.S. Appl. No. 14/552,105 entitled "Machine Input Device Having Multi-Axis Tool Control" filed on Nov. 24, 2014.

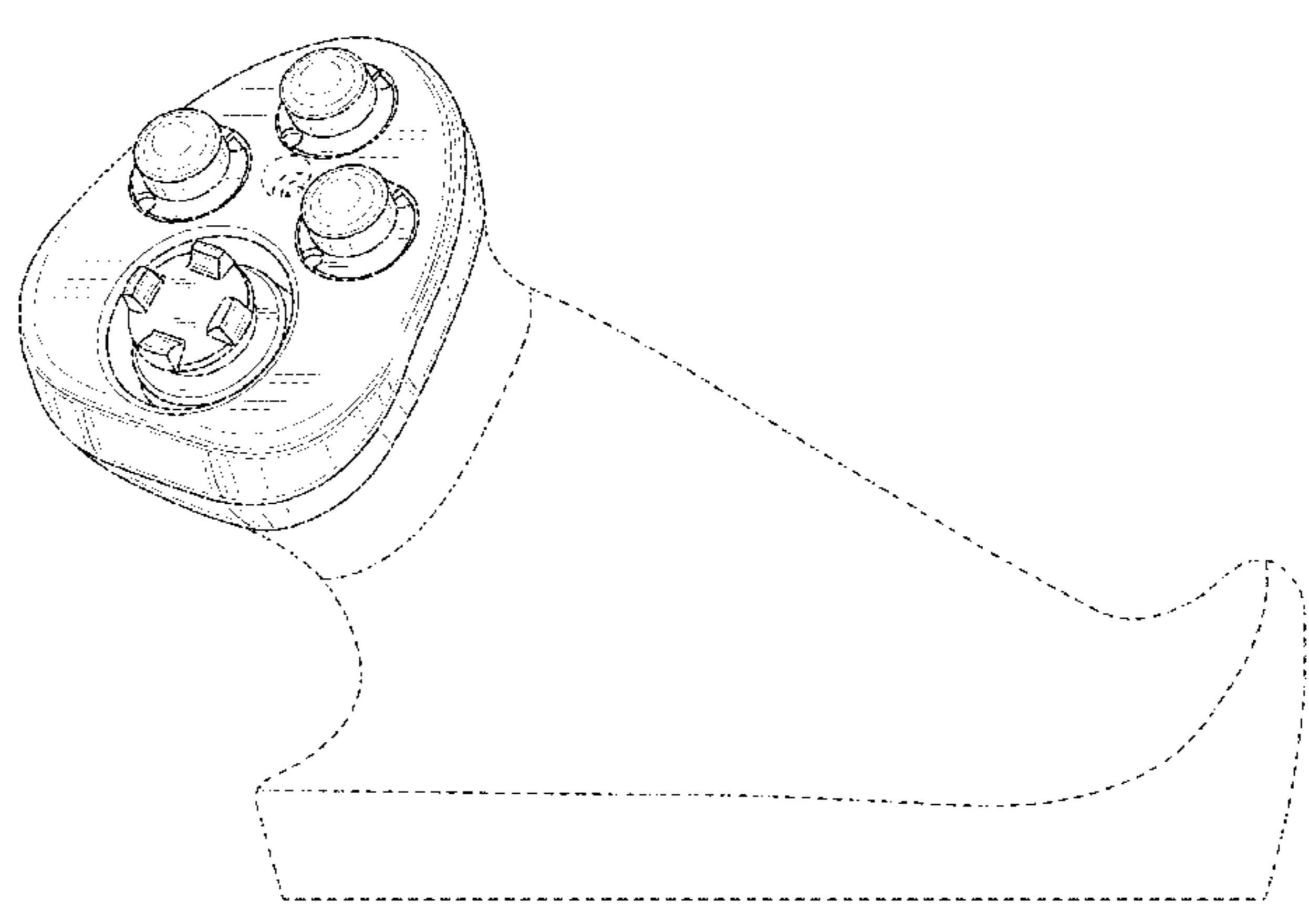
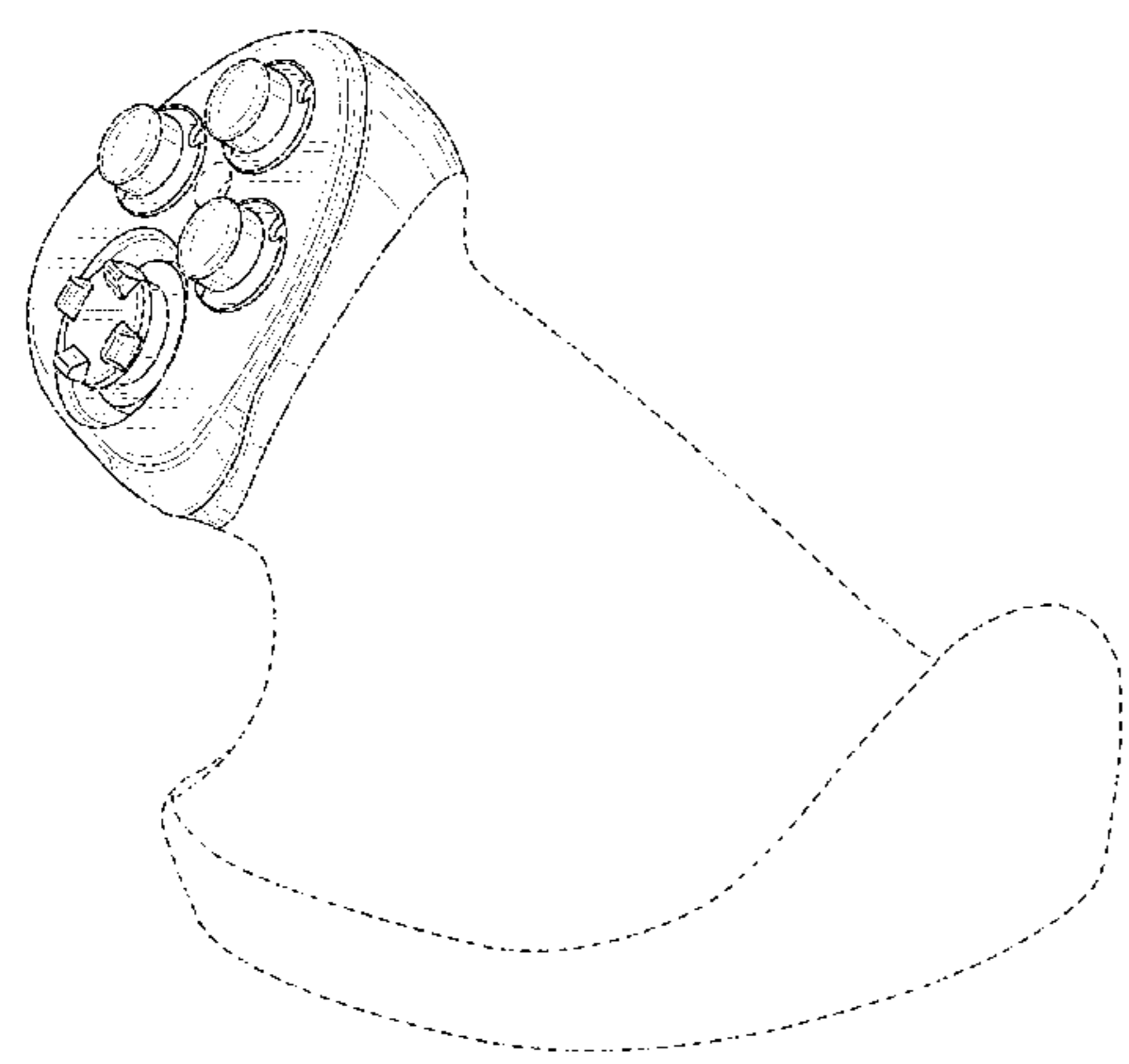
*Primary Examiner* — Selina Sikder  
(74) *Attorney, Agent, or Firm* — Finnegan, Henderson, Farabow, Garrett & Dunner, LLP

(57) **CLAIM**  
The ornamental design for a controller, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front, right perspective view of a controller showing our new design;  
FIG. 2 is bottom, right perspective view thereof;  
FIG. 3 is a front, left perspective view thereof;  
FIG. 4 is a front, right perspective view thereof;  
FIG. 5 is a rear, left perspective view thereof;  
FIG. 6 is a top, front perspective view thereof; and,  
FIG. 7 is a bottom, left perspective view thereof.  
The broken lines of even length shown in the drawings illustrate portions of the controller that form no part of the claimed design. The broken lines of uneven length shown in the drawings illustrate the unclaimed boundary of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

8,979,208 B2 *	3/2015	Roach	.....	B60K 20/08	9,132,855 B2 *	9/2015	Bertsch	.....	B62D 11/003
D727,904 S *	4/2015	Jensen	.....	D14/415	2003/0037985 A1 *	2/2003	Jeppe	.....	G05G 1/58
D734,335 S *	7/2015	Jensen	.....	D14/415					180/333
					2005/0279561 A1 *	12/2005	Shearer	.....	E02F 3/7663
									180/333
					2012/0152575 A1	6/2012	Hand et al.		

\* cited by examiner

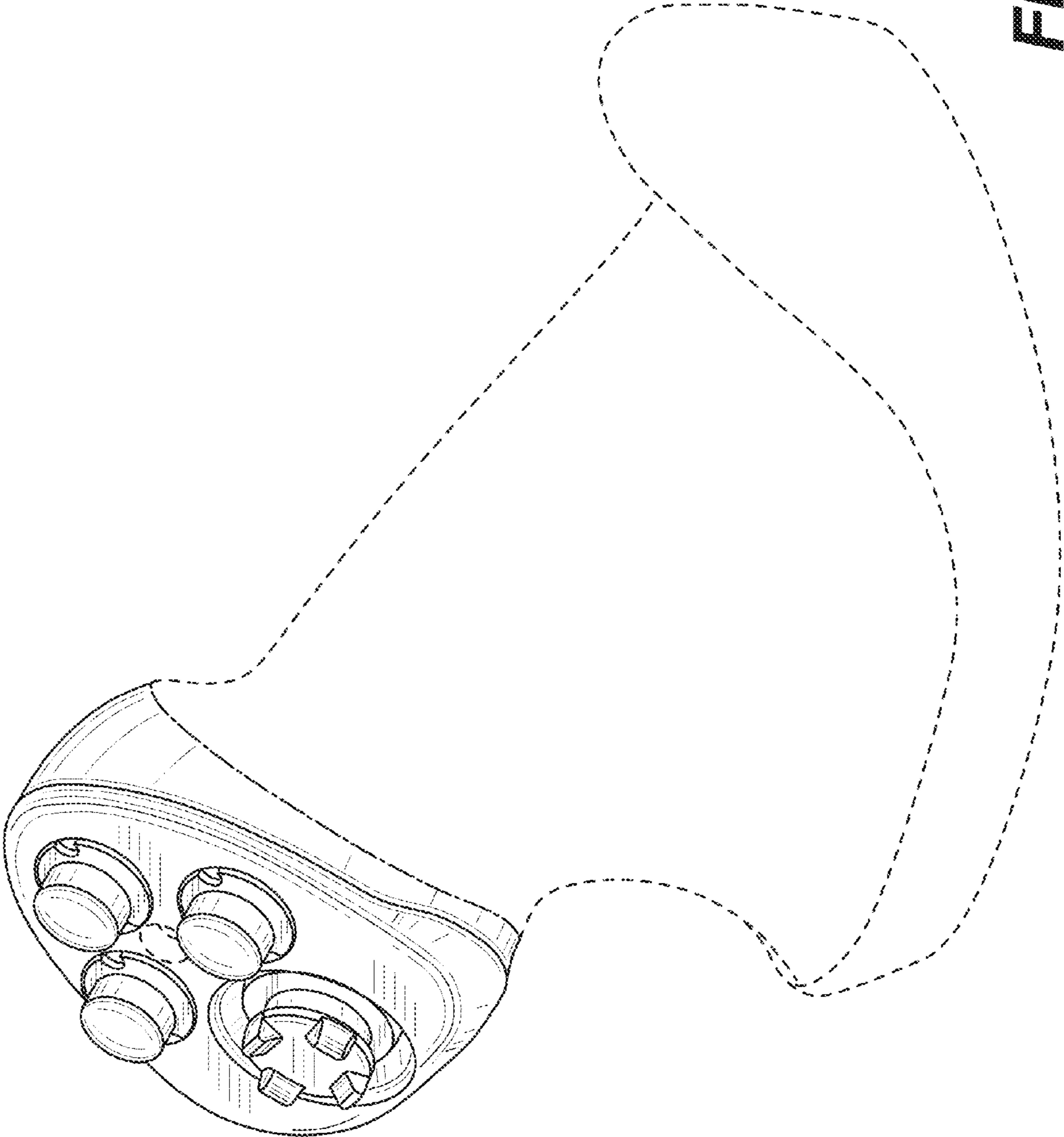
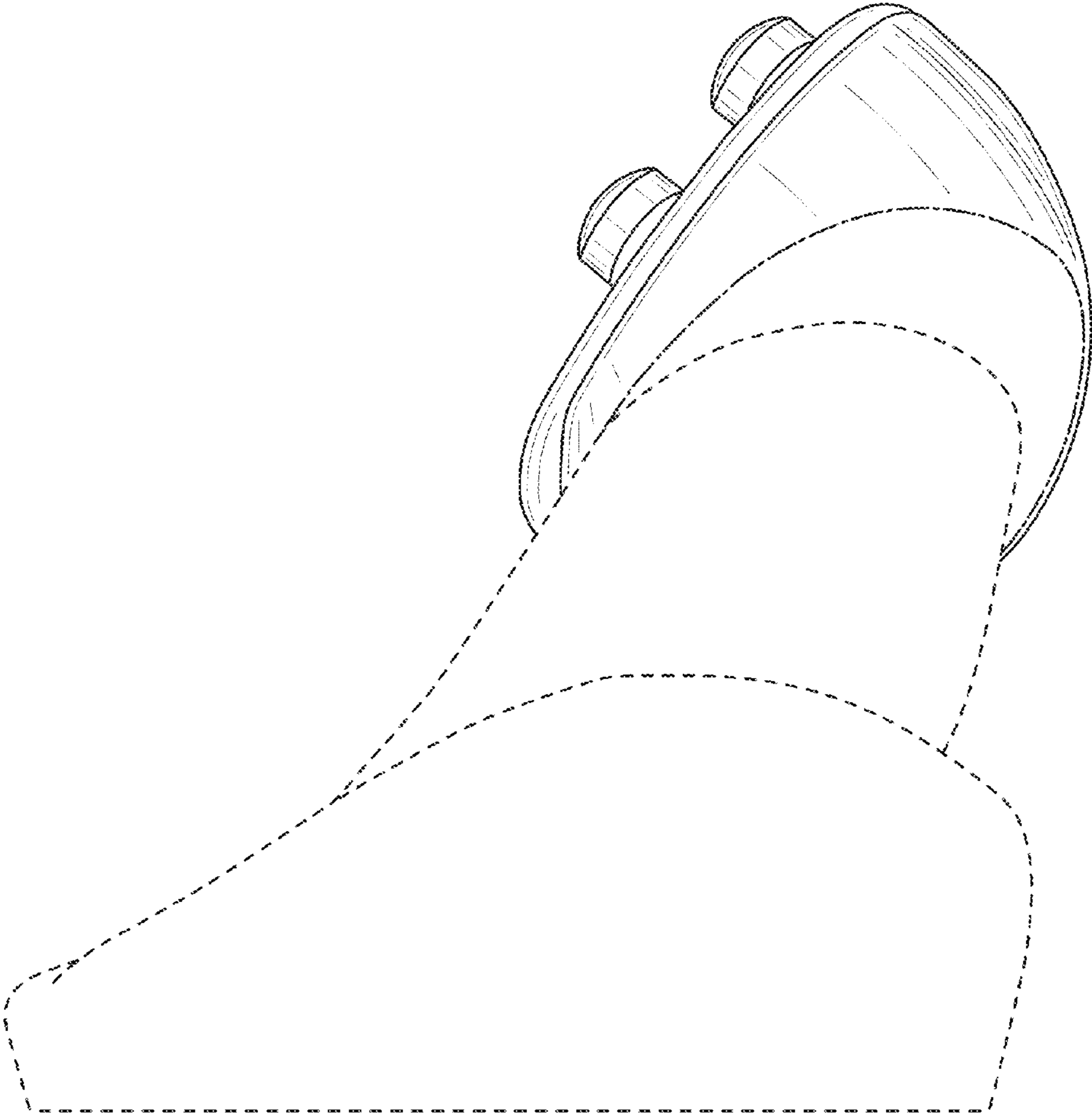
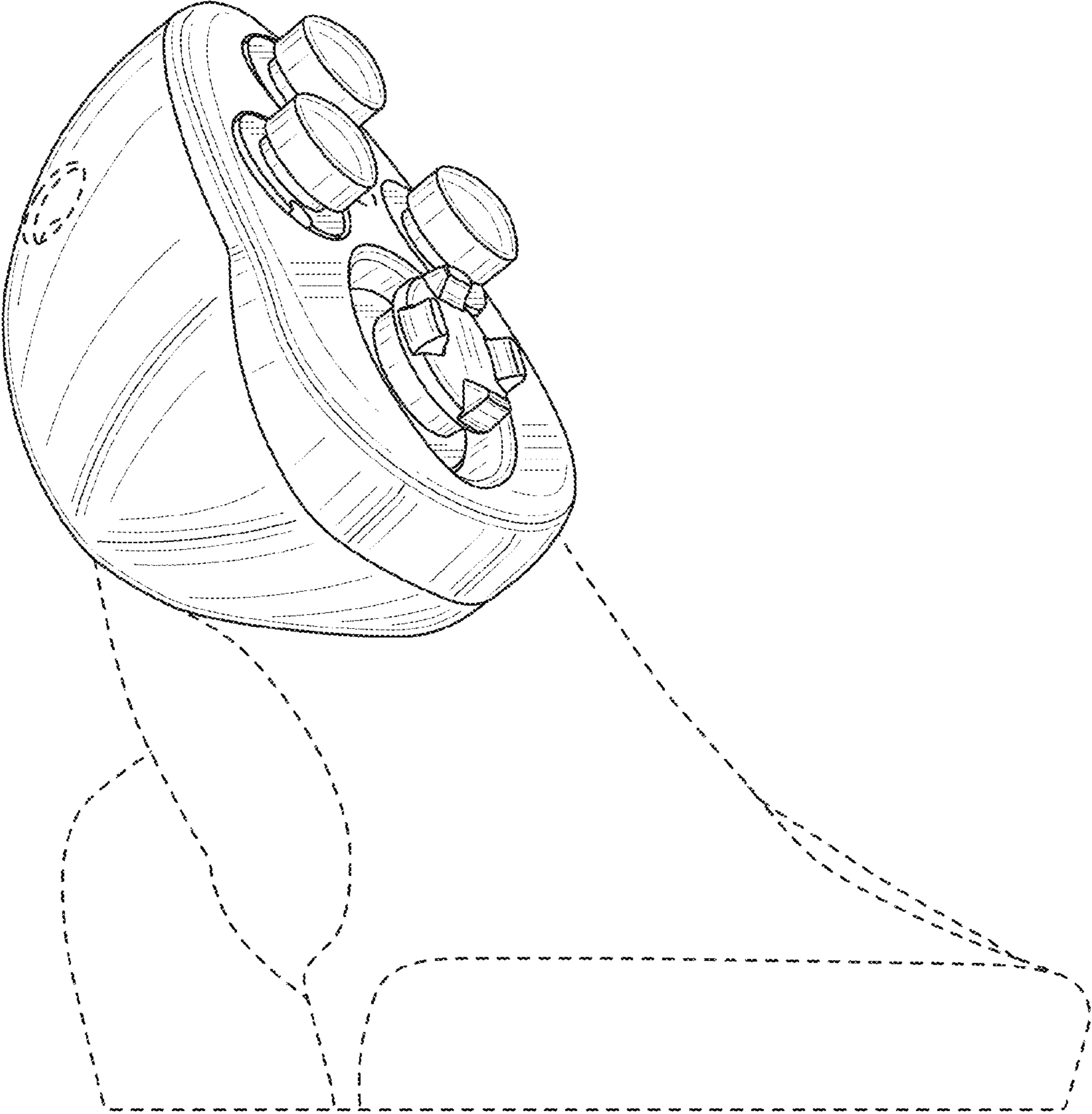


FIG. 1



**FIG. 2**



**FIG. 3**

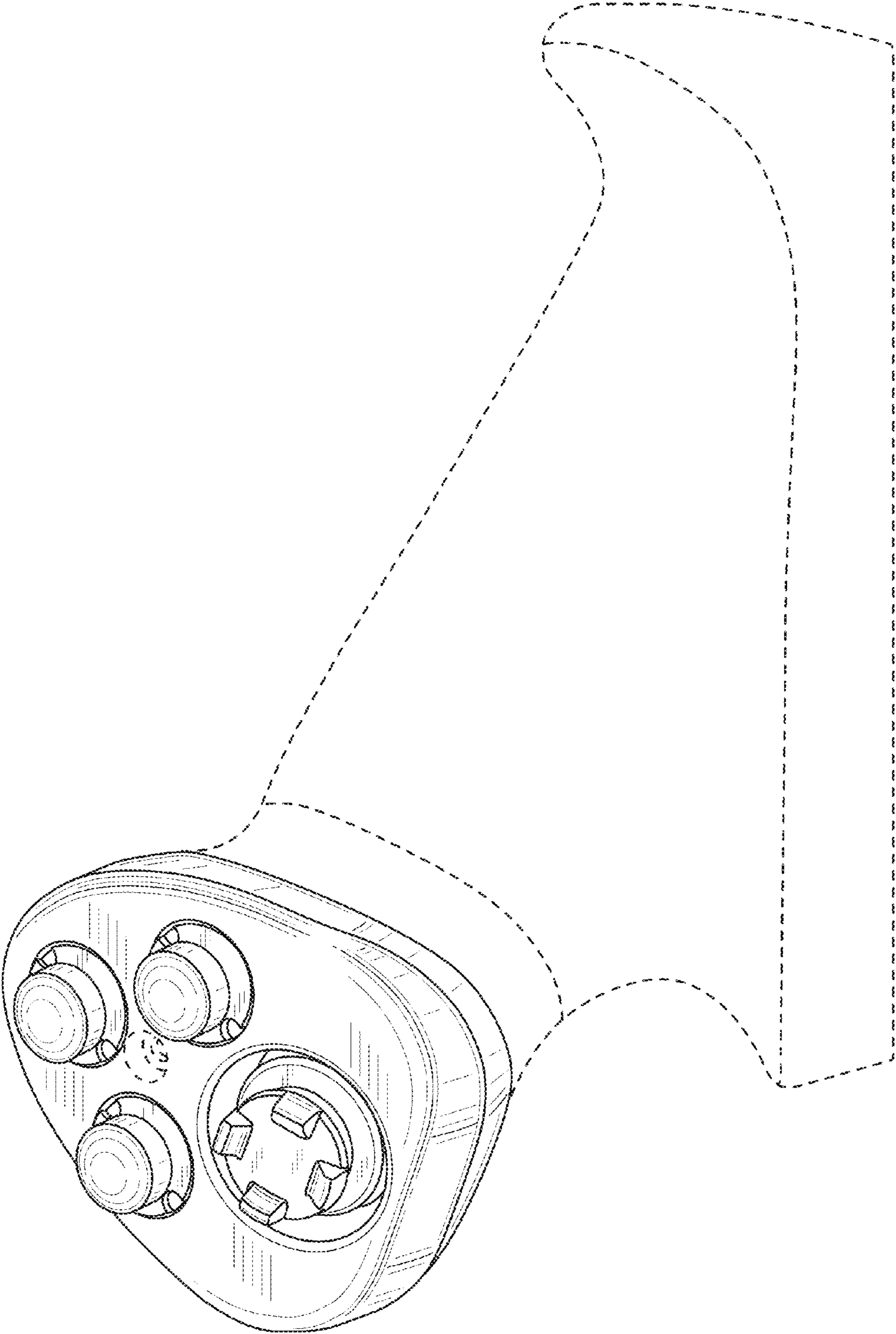
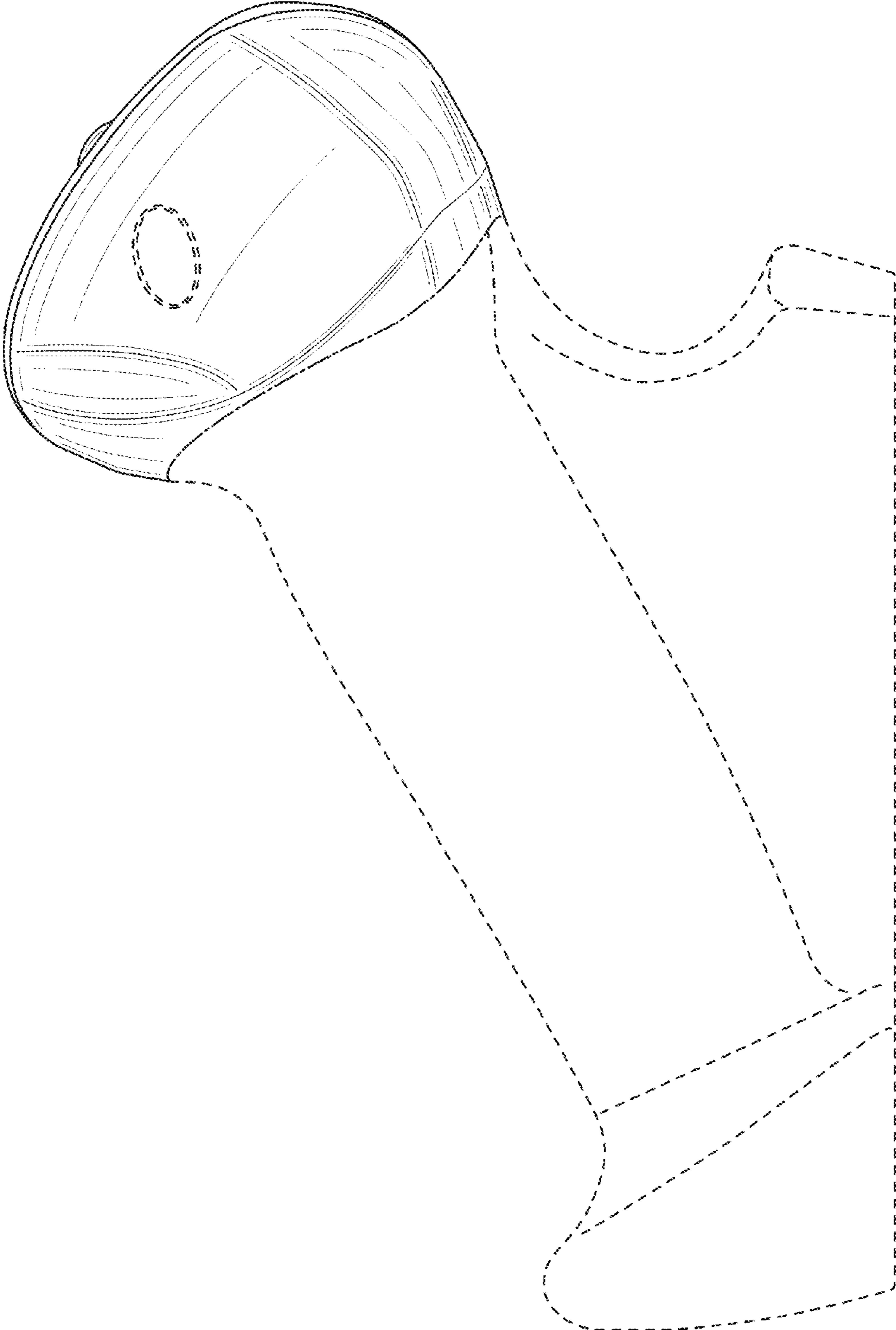
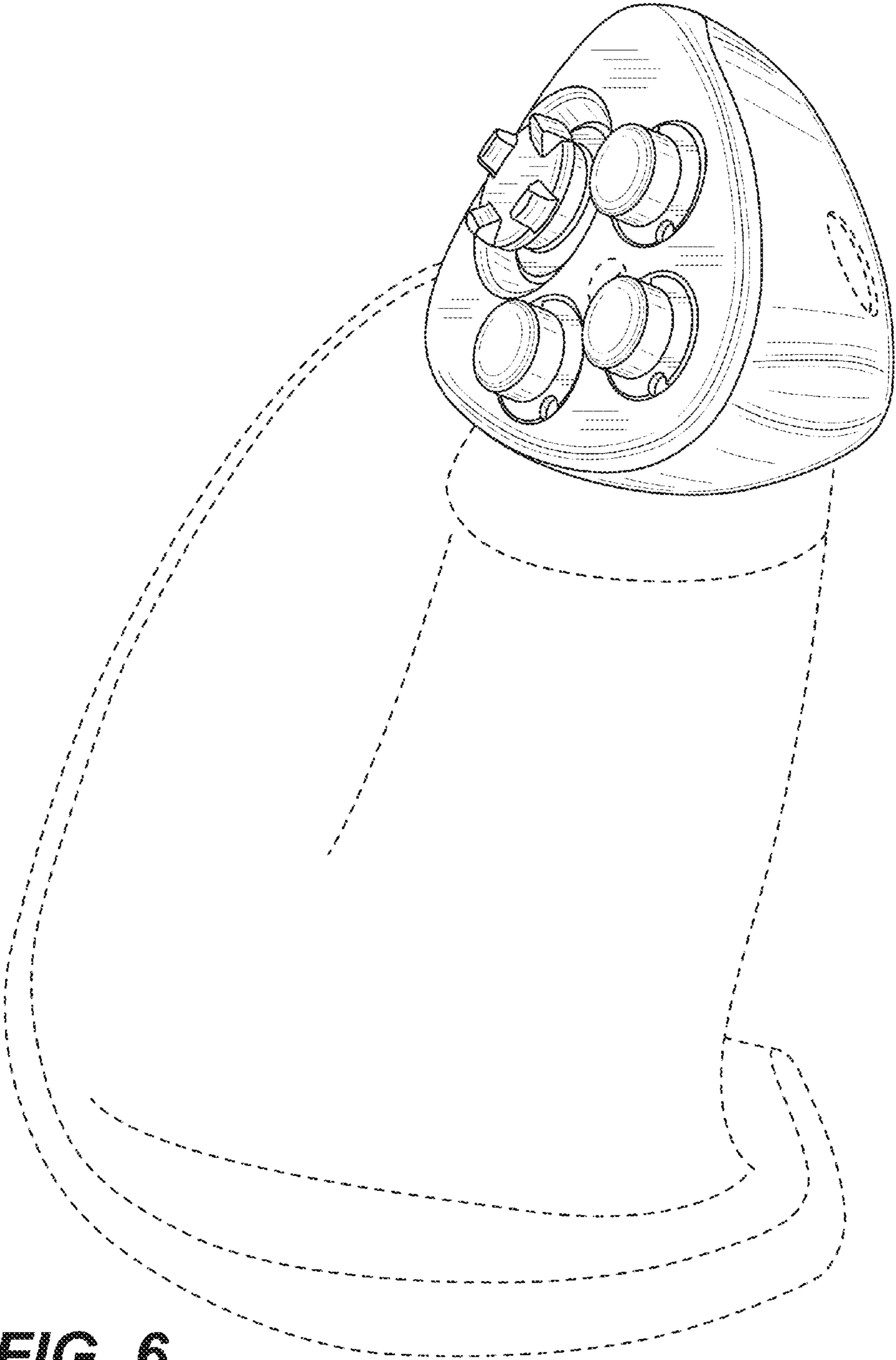


FIG. 4

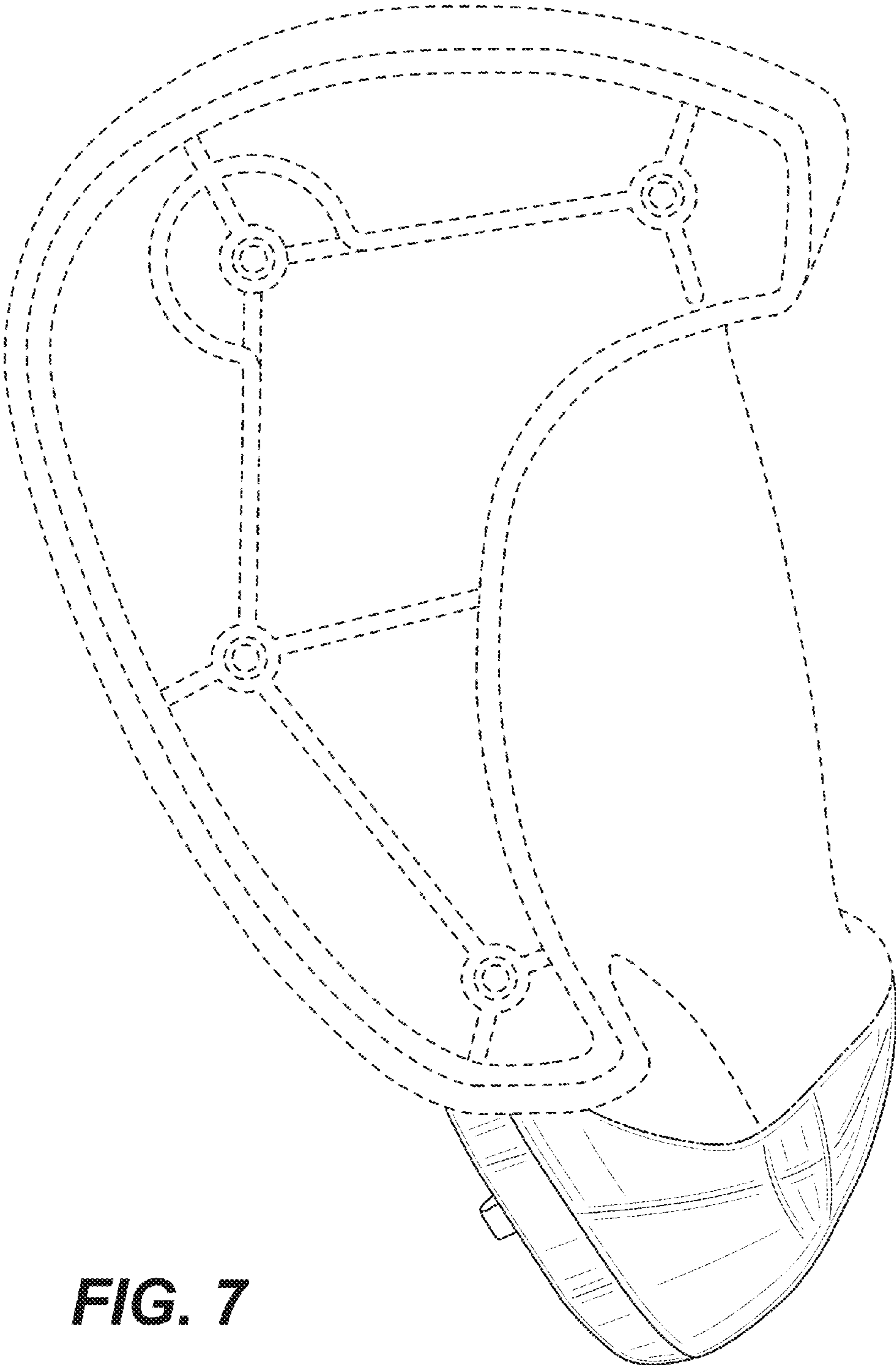


**FIG. 5**



**FIG. 6**





**FIG. 7**