



US00D816773S

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

(10) **Patent No.:** **US D816,773 S**

(45) **Date of Patent:** **\*\* May 1, 2018**

(54) **CONTROLLER**

(71) Applicant: **Microsoft Corporation**, Redmond, WA (US)

(72) Inventors: **Monique Chatterjee**, Seattle, WA (US); **Richard T. Hanks**, Seattle, WA (US); **William Bennett Mabry**, Seattle, WA (US); **Carson Massie**, Seattle, WA (US); **Matthew Harvey**, Seattle, WA (US)

(73) Assignee: **Microsoft Corporation**, Redmond, WA (US)

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/599,779**

(22) Filed: **Apr. 6, 2017**

(51) **LOC (11) Cl.** ..... **21-01**

(52) **U.S. Cl.**  
USPC ..... **D21/333**; D14/410

(58) **Field of Classification Search**  
USPC ..... D14/399-401, 412-48; 345/156, 169, 345/173-179, 905; 463/1, 29-39, 46, 47; D21/324, 328, 333; 273/148 B  
CPC .. A63F 13/02; A63F 9/24; A63F 13/12; A63F 9/00; A63F 11/00; A63F 71/00; G06F 3/02; G06F 3/033; G06G 5/00  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D273,246 S	4/1984	Tonkel
D368,936 S	4/1996	Goto
D373,108 S	8/1996	Chung
5,551,693 A	9/1996	Goto et al.
D398,214 S	9/1998	Yui
5,923,317 A	7/1999	Sayler et al.
D415,485 S	10/1999	Leifer et al.
D415,752 S	10/1999	Tyler et al.

D423,448 S	4/2000	Yu
D424,047 S	5/2000	Chan
D430,222 S	8/2000	Goto
6,120,374 A	9/2000	Akada et al.
D435,551 S	12/2000	Hayes
6,231,444 B1	5/2001	Goto et al.
D449,042 S	10/2001	Chung
D453,932 S	2/2002	Han et al.

(Continued)

**FOREIGN PATENT DOCUMENTS**

JP	D1297485	4/2007
JP	D1424810	10/2011

(Continued)

**OTHER PUBLICATIONS**

U.S. Appl. No. 29/599,777, filed Apr. 6, 2017.

(Continued)

*Primary Examiner* — Prabhakar G Deshmukh

(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

(57) **CLAIM**

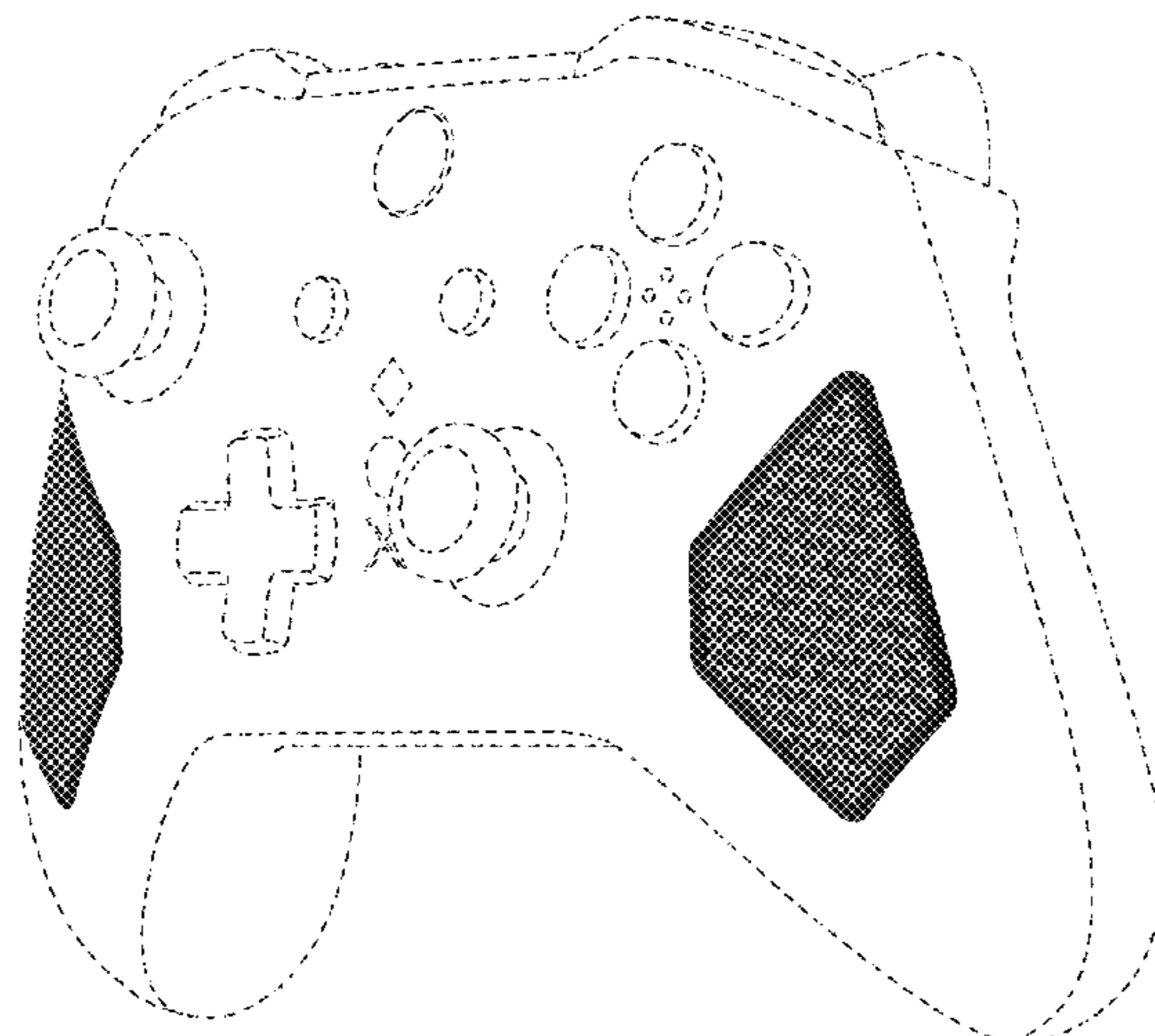
The ornamental design for a controller, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a controller showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a right side view thereof;  
FIG. 5 is a left side view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.

The broken line showing of the remainder of the controller illustrates environmental structure and forms no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

6,463,159 B1 10/2002 Ming-Cheng  
 D467,922 S 12/2002 Lee  
 D469,436 S 1/2003 Hussaini et al.  
 D476,376 S 6/2003 Wintersteiger  
 6,572,108 B1 6/2003 Bristow  
 6,743,100 B1 6/2004 Neiser  
 6,956,559 B2 10/2005 Hagiwara et al.  
 6,968,070 B1 11/2005 Chiang  
 D521,015 S 5/2006 Hayes et al.  
 D522,011 S 5/2006 Hayes et al.  
 D522,012 S 5/2006 Hayes et al.  
 7,063,321 B2 6/2006 Hussaini et al.  
 D524,244 S 7/2006 Hussaini et al.  
 7,105,754 B2 9/2006 Turner  
 D533,011 S 12/2006 Pai  
 7,195,561 B2\* 3/2007 Hussaini ..... A63F 13/02  
 273/148 B  
 D545,317 S 6/2007 Wang et al.  
 7,235,012 B2\* 6/2007 DiDato ..... A63F 13/06  
 273/148 B  
 D547,763 S 7/2007 Hayes et al.  
 D556,201 S 11/2007 Ashida et al.  
 7,314,413 B2 1/2008 Ogata et al.  
 D563,480 S 3/2008 Baseflug et al.  
 D565,668 S 4/2008 Baseflug et al.  
 D568,335 S 5/2008 Armstrong et al.  
 D569,388 S 5/2008 Armstrong et al.  
 7,377,851 B2\* 5/2008 Goto ..... G05G 9/047  
 273/148 B  
 D576,545 S 9/2008 Mandel et al.  
 D581,422 S 11/2008 Hayes et al.  
 7,445,550 B2 11/2008 Barney et al.  
 D585,931 S 2/2009 Palmer  
 D601,564 S 10/2009 Maeno  
 D619,596 S 7/2010 Maitlen et al.  
 7,762,553 B2 7/2010 Harris  
 D624,049 S 9/2010 Liu  
 7,887,768 B2 2/2011 Honjo et al.  
 D636,773 S 4/2011 Lin  
 D637,153 S 5/2011 Ikeda et al.  
 D638,016 S 5/2011 Ikeda  
 D646,275 S 10/2011 Ikeda et al.  
 8,040,671 B2 10/2011 Iwamoto et al.  
 D650,795 S 12/2011 Koehn  
 D655,350 S 3/2012 Taniguchi et al.  
 D658,178 S 4/2012 Ikeda et al.  
 D658,179 S 4/2012 Ikeda et al.  
 D659,140 S 5/2012 Ikeda et al.  
 8,241,124 B2 8/2012 Kelly et al.  
 D667,892 S 9/2012 Burgess et al.  
 D685,434 S 7/2013 Ali et al.  
 8,487,876 B2 7/2013 Ikeda et al.  
 D692,001 S 10/2013 Ibuki et al.  
 8,545,323 B2 10/2013 McVicar et al.  
 D692,887 S 11/2013 Ibuki et al.  
 D694,830 S 12/2013 Crowley et al.  
 D700,182 S 2/2014 Kidakarn  
 8,641,525 B2 2/2014 Burgess et al.  
 D707,758 S 6/2014 Norman et al.  
 D708,615 S 7/2014 Delrue et al.  
 D709,498 S 7/2014 Morris et al.  
 D709,499 S 7/2014 Morris et al.  
 D709,882 S 7/2014 Morris et al.  
 D712,973 S 9/2014 Sumii et al.  
 D715,865 S 10/2014 Morris et al.  
 D718,705 S 12/2014 Naksen  
 D718,818 S 12/2014 Sumii et al.  
 8,903,100 B2 12/2014 Hiraki  
 8,903,111 B2 12/2014 Garet et al.  
 8,925,414 B1 1/2015 Park et al.  
 8,994,666 B2 3/2015 Karpfinger  
 D730,451 S 5/2015 Burgess et al.  
 9,029,721 B2 5/2015 Ikeda et al.  
 9,053,243 B2 6/2015 Townsend  
 D733,802 S 7/2015 Burgess et al.

D735,721 S 8/2015 Mar  
 D736,322 S 8/2015 Navid  
 9,118,750 B2 8/2015 Vossoughi et al.  
 D740,825 S 10/2015 Bellinghausen et al.  
 D745,607 S 12/2015 Jones  
 D748,734 S 2/2016 Burgess et al.  
 9,251,701 B2 2/2016 Plagge et al.  
 D754,128 S 4/2016 Bellinghausen et al.  
 D763,967 S 8/2016 Kujawski et al.  
 D764,597 S 8/2016 Kujawski et al.  
 D765,787 S 9/2016 Kujawski et al.  
 D765,788 S 9/2016 Kujawski et al.  
 D765,790 S 9/2016 Chatterjee et al.  
 D765,791 S 9/2016 Chatterjee et al.  
 D765,792 S 9/2016 Chatterjee et al.  
 D765,793 S 9/2016 Chatterjee et al.  
 D766,374 S 9/2016 Kujawski et al.  
 D766,375 S 9/2016 Kujawski et al.  
 D766,376 S 9/2016 Kujawski et al.  
 D766,377 S 9/2016 Kujawski et al.  
 D767,038 S 9/2016 Kujawski et al.  
 D767,684 S 9/2016 Kujawski et al.  
 D768,784 S 10/2016 Kujawski et al.  
 D770,568 S 11/2016 Kujawski et al.  
 D772,987 S 11/2016 Kujawski et al.  
 D772,988 S 11/2016 Kujawski et al.  
 D773,561 S 12/2016 Kujawski et al.  
 D774,143 S 12/2016 Kujawski et al.  
 D777,843 S 1/2017 Kujawski  
 D797,197 S\* 9/2017 Buller ..... D21/333  
 D798,954 S\* 10/2017 Chatterjee ..... D21/333  
 D799,600 S\* 10/2017 Chatterjee ..... D21/333  
 D806,078 S\* 12/2017 Goldman ..... D14/401  
 2006/0079328 A1 4/2006 Wang  
 2006/0116204 A1 6/2006 Chen et al.  
 2013/0130800 A1 5/2013 Sirilux et al.

FOREIGN PATENT DOCUMENTS

JP D1492113 3/2014  
 JP D1492114 3/2014  
 JP D1492115 3/2014  
 JP D1549312 4/2016  
 JP D1551960 6/2016  
 JP D1551961 6/2016  
 JP D1552375 6/2016  
 KR 30-0751062-000 7/2014  
 TW D165791 2/2015  
 TW D165793 2/2015  
 TW D177467 8/2016  
 TW D177469 8/2016  
 TW D180757 B 1/2017

OTHER PUBLICATIONS

U.S. Appl. No. 29/599,778, filed Apr. 6, 2017.  
 Side-by-side: Xbox One Gamepad vs Xbox 360 gamepad (Jun. 11, 2013), <http://www.techradar.com/us/news/gaming/consoles/side-by-side-xbox-one-gamepad-vs-xbox-360-gamepad-1158091>.  
 May 2, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,225, filed Jun. 15, 2015; Inv: Christopher Kujawski.  
 May 11, 2016—U.S. Restriction Requirement—U.S. Appl. No. 29/530,106, filed Jun. 15, 2015; Inv: Christopher Kujawski.  
 May 10, 2016—U.S. Restriction Requirement—U.S. Appl. No. 29/530,098, filed Jun. 15, 2015; Inv: Christopher Kujawski.  
 May 17, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,102, filed Jun. 12, 2015; Inv: Christopher Kujawski.  
 May 6, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,110, filed Jun. 12, 2015; Inv: Christopher Kujawski.  
 May 5, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,108, filed Jun. 12, 2015; Inv: Christopher Kujawski.  
 May 2, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,122, filed Jun. 12, 2015; Inv: Christopher Kujawski.  
 Apr. 26, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,111, filed Jun. 12, 2015; Inv: Christopher Kujawski.

(56)

## References Cited

## OTHER PUBLICATIONS

- Apr. 11, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,113, filed Jun. 12, 2015; Inv: Christopher Kujawski.
- Apr. 14, 2016—U.S. Non-Final Office Action—U.S. Appl. No. 29/530,114, filed Jun. 12, 2015; Inv: Christopher Kujawski.
- Apr. 11, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,115, filed Jun. 12, 2015; Inv: Christopher Kujawski.
- May 6, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,116, filed Jun. 12, 2015; Inv: Christopher Kujawski.
- May 2, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,120, filed Jun. 12, 2015; Inv: Christopher Kujawski.
- May 6, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,285, filed Jun. 15, 2015; Inv: Christopher Kujawski.
- Jun. 22, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,243, filed Jun. 12, 2015; Inv: Christopher Kujawski.
- Apr. 26, 2016—U.S. Non-Final Office Action—U.S. Appl. No. 29/530,237, filed Jun. 15, 2015; Inv: Christopher Kujawski.
- Jul. 27, 2016—(IN) Office Action—App 282967; filed Apr. 28, 2016; Inv: Christopher Kujawski.
- Aug. 2, 2016—(IN) Office Action—App 282964; filed Apr. 28, 2016; Inv: Christopher Kujawski.
- Jul. 27, 2016—(IN) Office Action—App 282965; filed Apr. 28, 2016; Inv: Christopher Kujawski.
- Aug. 2, 2016—(IN) Office Action—App 282968; filed Apr. 28, 2016; Inv: Christopher Kujawski.
- Aug. 4, 2016—(VN) Office Action—App 3-2016-00714; filed Apr. 27, 2016; Inv: Christopher Kujawski.
- Aug. 2, 2016—(IN) Office Action—App 282966; filed Apr. 28, 2016; Inv: Christopher Kujawski.
- Jul. 22, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,098, filed Jun. 12, 2015; Inv: Christopher Kujawski.
- Jul. 22, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,106, filed Jun. 12, 2015; Inv: Christopher Kujawski.
- Jul. 25, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,112, filed Jun. 12, 2015; Inv: Christopher Kujawski.
- Aug. 1, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,114, filed Jun. 12, 2015; Inv: Christopher Kujawski.
- Aug. 5, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,237, filed Jun. 15, 2015; Inv: Christopher Kujawski.
- May 19, 2016—(KR) Office Action—App 30-2015-0063248; filed Dec. 11, 2015; Inv: Christopher Kujawski.
- Aug. 22, 2016—(KR) Office Action—App 30-2015-0063248; filed Dec. 11, 2015; Inv: Christopher Kujawski.
- Apr. 26, 2016—(JP) Office Action—App 2015-027786; filed Dec. 11, 2015; Inv: Christopher Kujawski.
- Aug. 23, 2016—(JP) Office Action—App 2015-027786; filed Dec. 11, 2015; Inv: Christopher Kujawski.
- Sep. 23, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,968; filed Oct. 29, 2015; Inv.: Christopher Kujawski.
- May 21, 2016—(CA) Examiner's Report—App 168250; filed Apr. 29, 2016; Inv: Christopher Kujawski.
- Sep. 29, 2016—(TW) Notice of Allowance—App 105302369.
- Sep. 26, 2016—(TW) Search Report—App 105302369.
- Sep. 22, 2016—(TW) Search Report—App 105302366—Eng Tran.
- Sep. 26, 2016—(TW) Notice of Allowance—App 105302366.
- Sep. 29, 2016—(TW) Notice of Allowance—App 105302361.
- Sep. 22, 2016—(TW) Search Report—App 105302361—Eng Tran.
- Sep. 29, 2016—(TW) Notice of Allowance—App 105302367.
- Sep. 22, 2016—(TW) Search Report—App 105302367—Eng Tran.
- Nov. 30, 2016—U.S. Non-Final Office Action—App 29/543,976, filed Oct. 29, 2015; Inv: Christopher Kujawski.
- Nov. 28, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,897, filed Oct. 29, 2015; Inv.: Christopher Kujawski.
- Dec. 6, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,958, filed Jan. 29, 2015; Inv.: Christopher Kujawski.
- Nov. 28, 2016—U.S. Notice of Allowance—U.S. Appl. 29/543,931, filed Jan. 29, 2015; Inv.: Christopher Kujawski.
- Sep. 19, 2016—(TW) Notice of Allowance—App 104306953D01.
- Sep. 9, 2016—(TW) Search Report—App 104306953D01—Eng Tran.
- Sep. 22, 2016—(TW) Search Report—App 105302371.
- Nov. 16, 2016—(TW) Search Report—App 105302368—Eng Tran.
- Nov. 15, 2016—(TW) Notice of Allowance—App 105302362.
- Sep. 29, 2016—(TW) Notice of Allowance—App 105302370.
- Dec. 12, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,963, filed Oct. 29, 2015; Inv.: Christopher Kujawski.
- Nov. 7, 2016—(TW) Search Report—App 105302362.
- Sep. 22, 2016—(TW) Search Report—App 105302370.
- Dec. 14, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,898, filed Oct. 29, 2015; Inv.: Christopher Kujawski.
- Dec. 14, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,902, filed Oct. 29, 2015; Inv.: Christopher Kujawski.
- Dec. 12, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,914, filed Oct. 26, 2015; Inv.: Christopher Kujawski.
- Sep. 29, 2016—(TW) Notice of Allowance—App 105302371.
- Dec. 20, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,904, filed Oct. 29, 2015; Inv.: Christopher Kujawski.
- Feb. 27, 2017—(IN) First Examination Report—App No. 290059.
- Feb. 27, 2017—(IN) First Examination Report—App No. 290058.
- Mar. 2, 2017—(IN) First Examination Report—App No. 290057.
- May 3, 2017—U.S. Non-Final Office Action—U.S. Appl. No. 29/578,414—Inv: Monique Chatterjee.
- Mar. 28, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/564,536, filed May 13, 2016; Inv.: Christopher Kujawski.
- Mar. 28, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/564,931, filed Oct. 29, 2015; Inv.: Christopher Kujawski.
- Mar. 29, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/543,976, filed Oct. 29, 2015; Inv.: Christopher Kujawski.
- Mar. 29, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/564,897, filed Oct. 29, 2015; Inv.: Christopher Kujawski.
- May 5, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/571,165.
- May 13, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/564,532, filed May 13, 2016; Inv.: Christopher Kujawski.
- May 5, 2017—U.S. Non-Final Office Action—U.S. Appl. No. 29/578,410.
- May 5, 2017—U.S.—Notice of Allowance—U.S. Appl. No. 29/578,412.
- Mar. 29, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/564,540, filed Oct. 29, 2015; Inv.: Christopher Kujawski.
- May 23, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/567,508.
- May 24, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/567,504.
- “Notice of Allowance Issued in Taiwan Patent Application No. 106301828”, dated Oct. 25, 2017, 4 Pages. (W/o English Translation).

\* cited by examiner

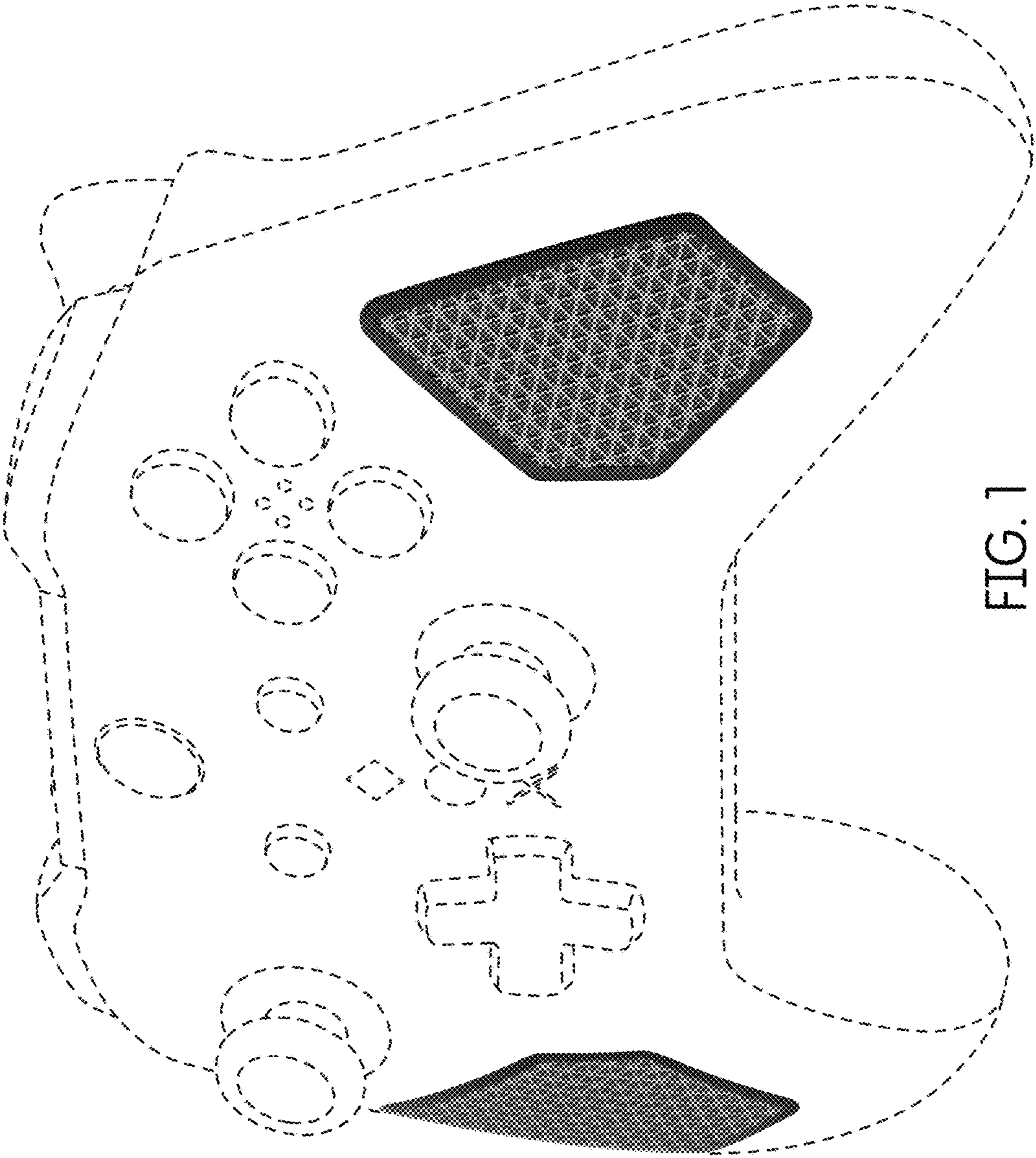


FIG. 1

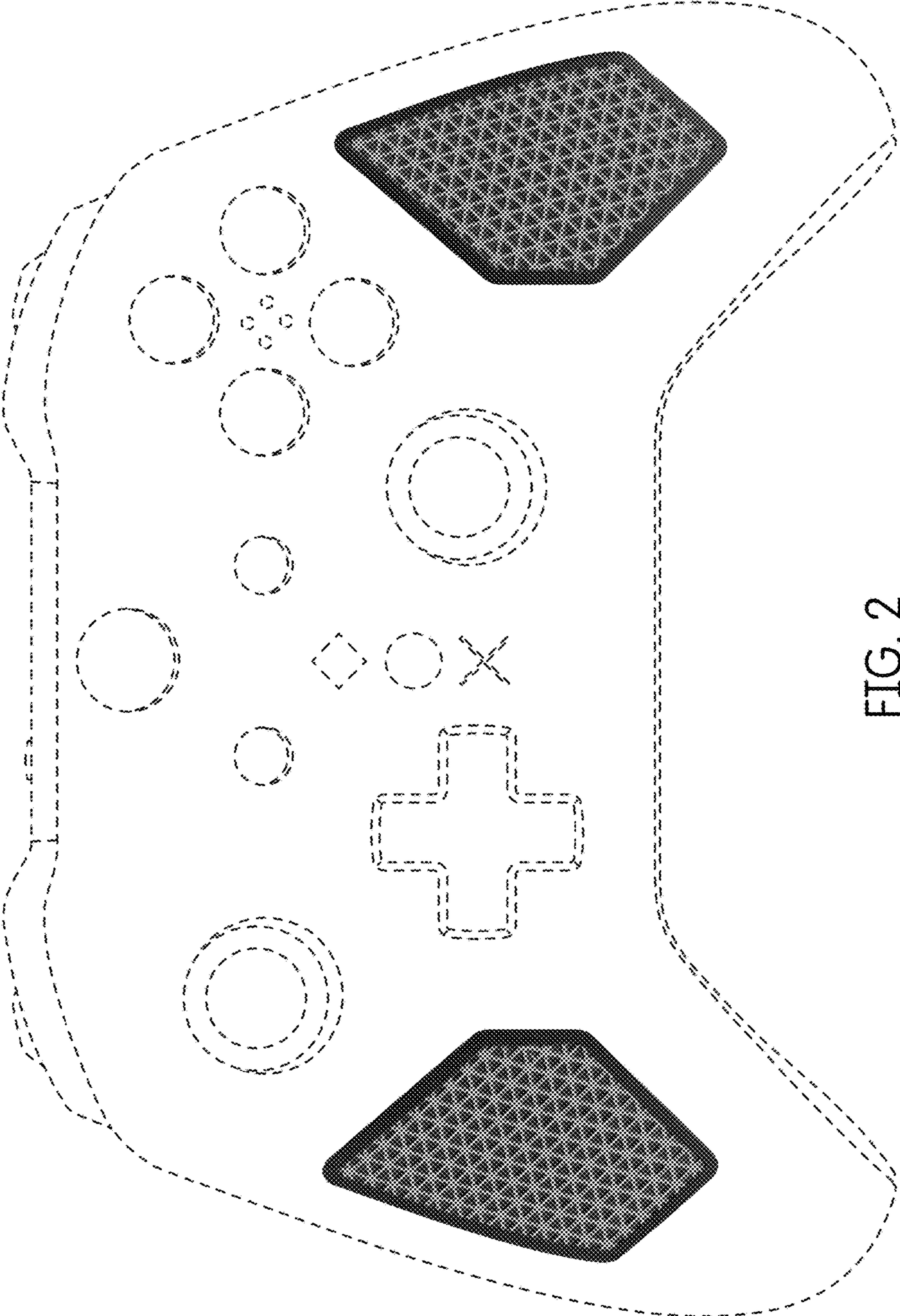


FIG. 2

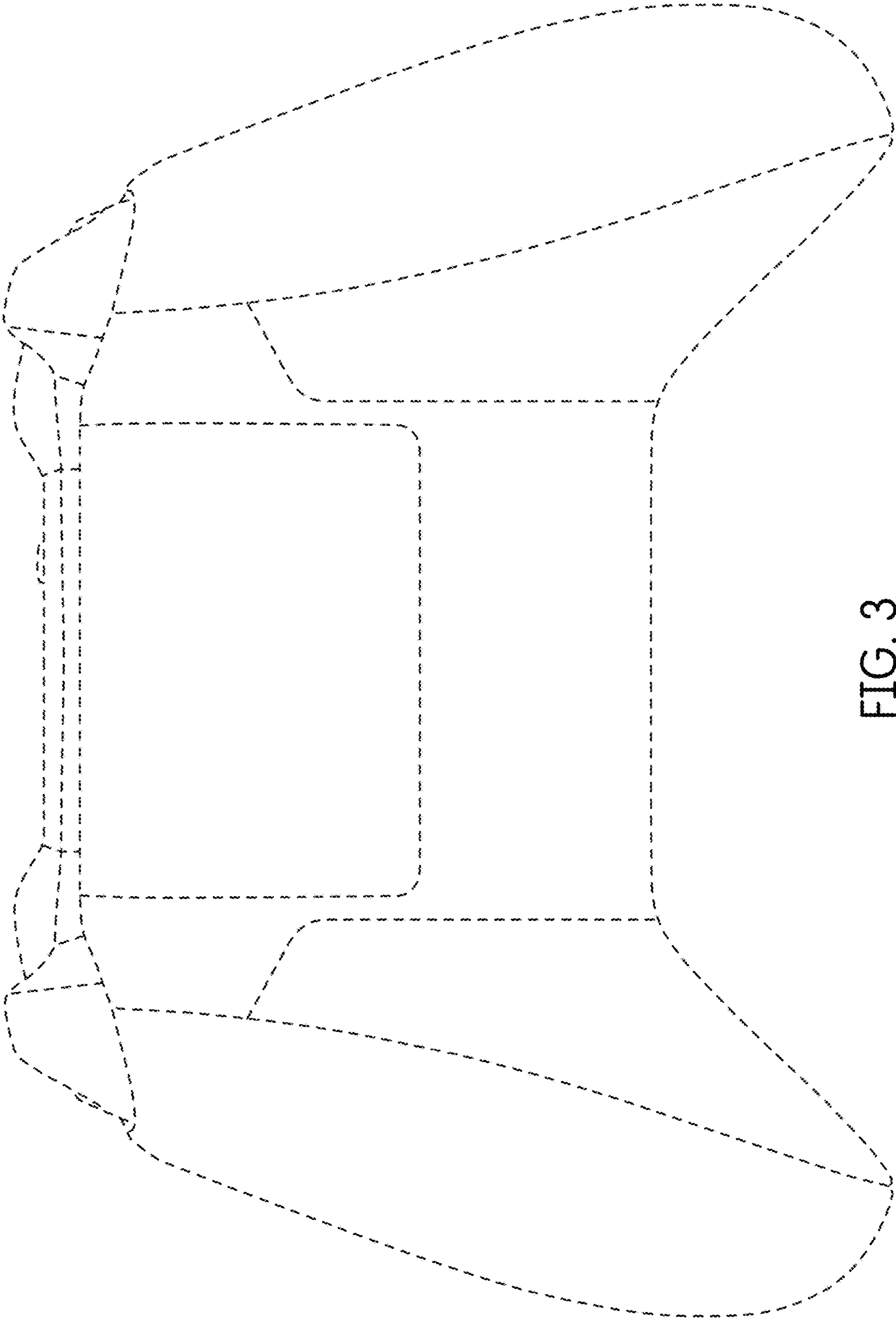


FIG. 3

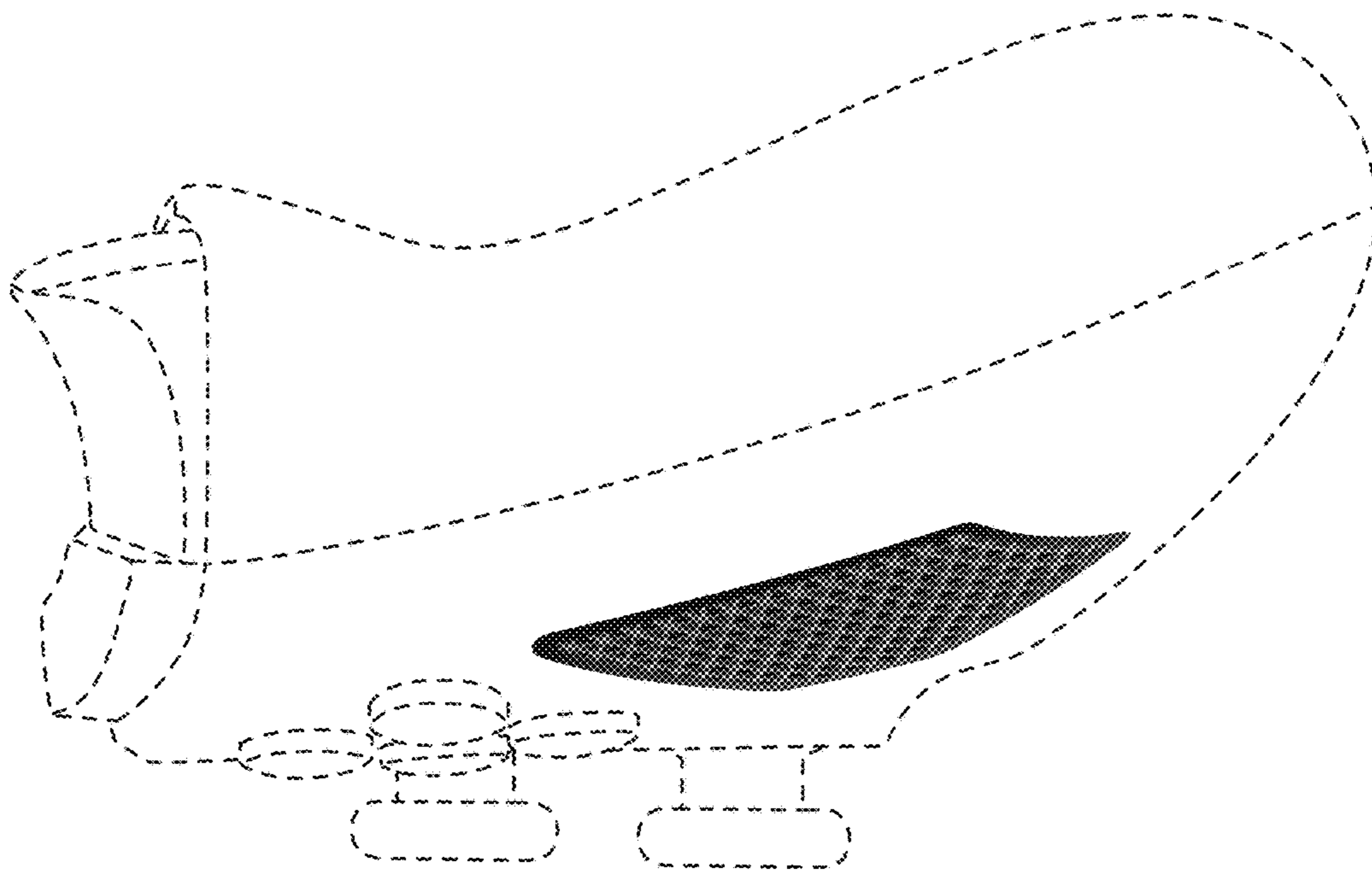


FIG. 4

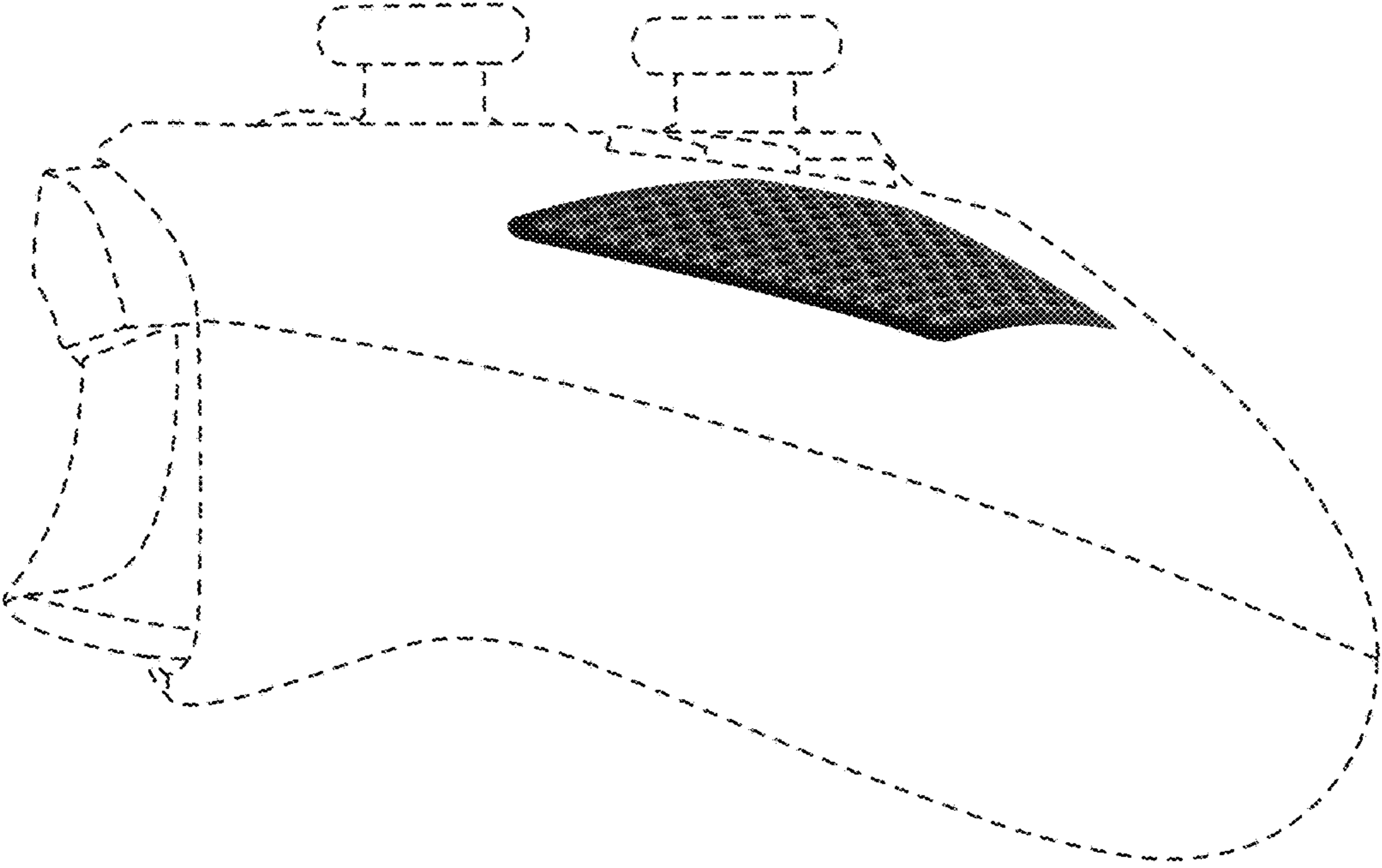


FIG. 5



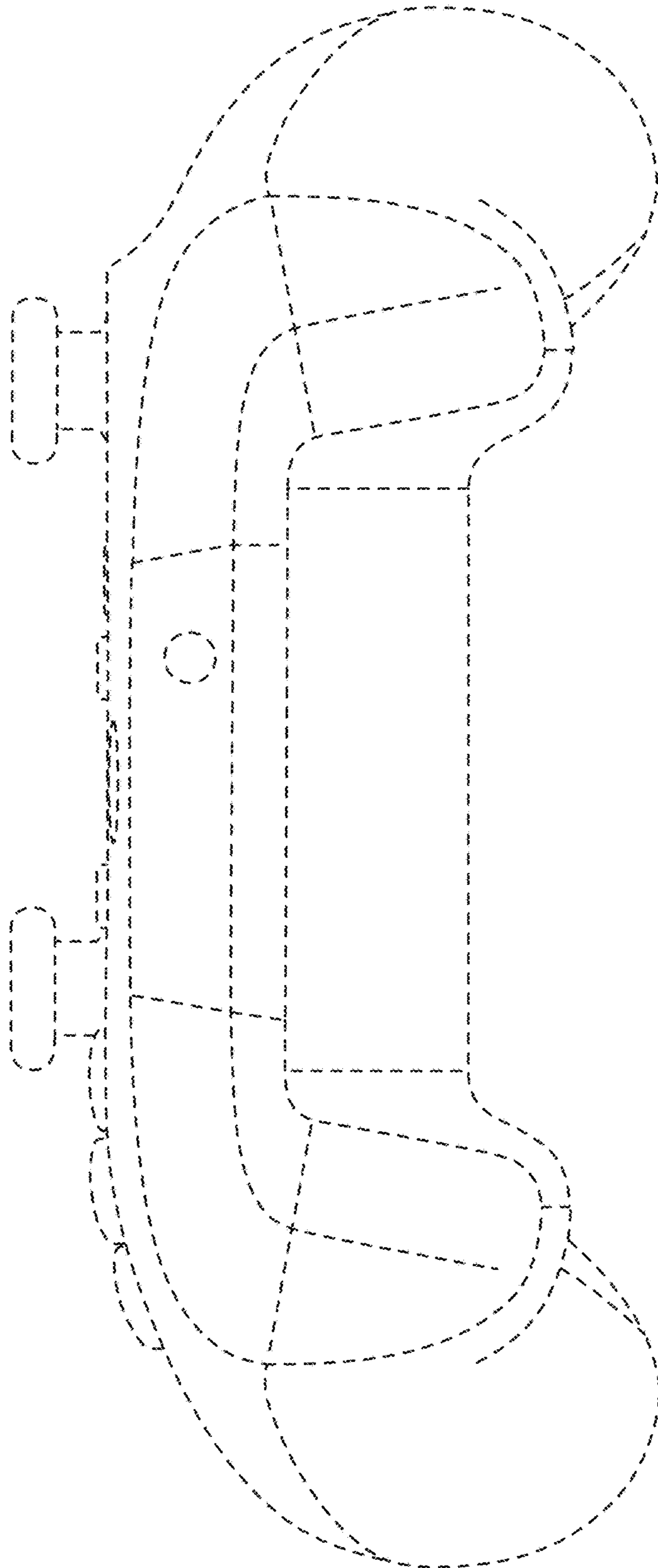


FIG. 6

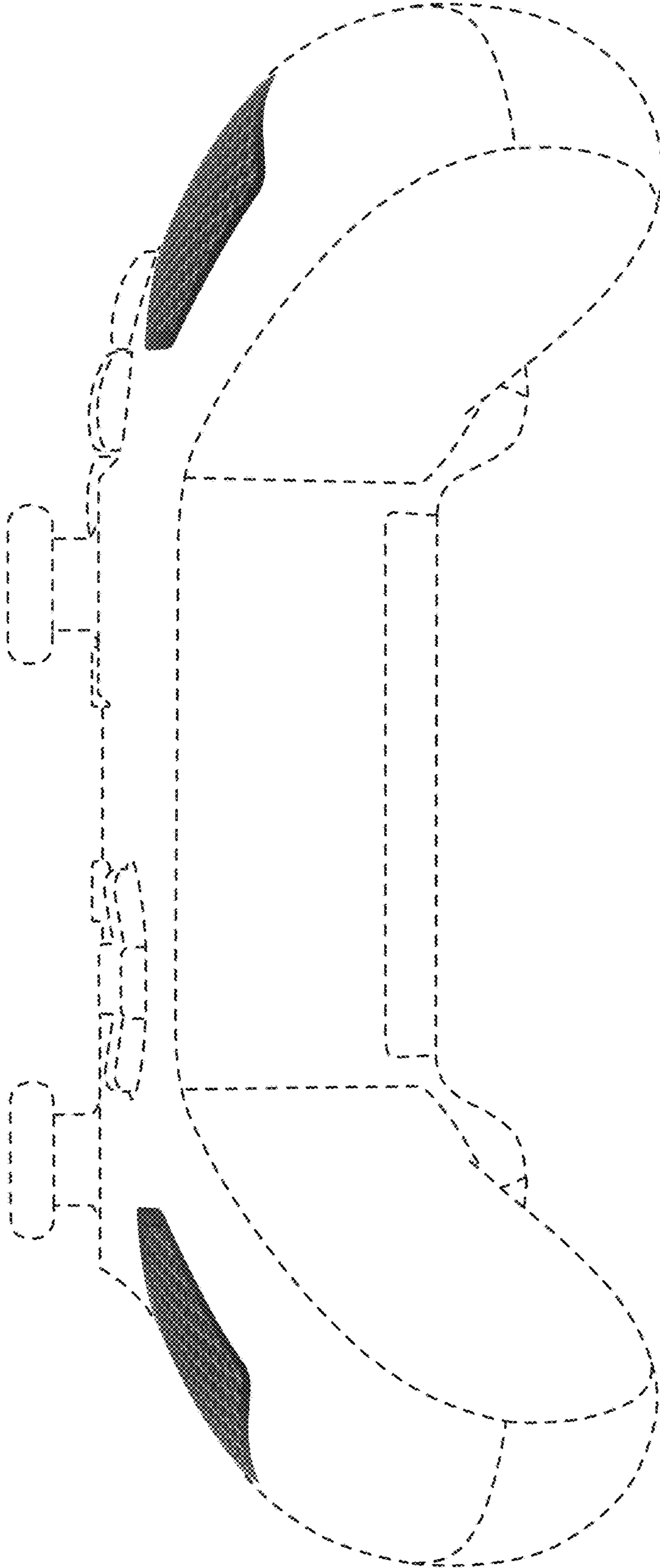


FIG. 7