



US00D799600S

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

(10) **Patent No.:** **US D799,600 S**
(45) **Date of Patent:** **** *Oct. 10, 2017**

(54) **CONTROLLER**

FOREIGN PATENT DOCUMENTS

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

JP D1297485 4/2007
JP D1424810 10/2011

(Continued)

(72) Inventors: **Monique Chatterjee**, Seattle, WA (US);
Richard T. Hanks, Seattle, WA (US);
William Bennett Mabry, Seattle, WA (US);
Austin Porter, Seattle, WA (US)

OTHER PUBLICATIONS

Feb. 27, 2017—(IN) First Examination Report—App No. 290059.
(Continued)

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

Primary Examiner — Prabhakar G Deshmukh

(*) Notice: This patent is subject to a terminal disclaimer.

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

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

(57) **CLAIM**

(21) Appl. No.: **29/578,414**

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

(22) Filed: **Sep. 21, 2016**

Related U.S. Application Data

(63) Continuation of application No. 29/571,165, filed on Jul. 14, 2016.

DESCRIPTION

(51) **LOC (10) Cl.** **21-01**

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

(58) **Field of Classification Search**
USPC D14/496, 401, 435, 474, 483, 217, 137,
D14/138, 160, 168, 356, 203.1–203.8,
D14/507; 345/156, 169, 173–179, 905;
715/727–729, 864, 700, 706, 719; 710/1,
710/5, 8; 713/1, 600; 455/1.1, 1.7, 73,
455/344–347, 93, 95, 3.01–3.06, 550.1,
(Continued)

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.

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 in FIGS. 1-7 is for environmental purposes only and forms no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D273,246 S 4/1984 Tonkel
D368,936 S 4/1996 Goto

(Continued)

1 Claim, 7 Drawing Sheets
(7 of 7 Drawing Sheet(s) Filed in Color)



(58) **Field of Classification Search**

USPC 455/573.1; 370/342-344; 369/1, 2,
369/6-12; 463/51-57, 40-47, 1, 29-35;
D21/324, 328, 333; 273/148 B
CPC .. A63F 13/00; A63F 13/02; A63F 9/00; G06F
17/00; G06F 19/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

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.
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 A63F 13/06
273/148 B
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 A63F 13/06
273/148 B
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
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 D14/401
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 D14/401
D700,182 S * 2/2014 Kidakarn D14/401
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 D14/401
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 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 2/2014
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

OTHER PUBLICATIONS

Feb. 27, 2017—(IN) First Examination Report—App No. 290058.
Mar. 2, 2017—(IN) First Examination Report—App No. 290057.

(56)

References Cited

OTHER PUBLICATIONS

- 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—U.S. Appl. No. 29/543,976, dated Oct. 29, 2015; Inv: Christopher Kujawski.
- Nov. 28, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,897, dated Oct. 29, 2015; Inv.: Christopher Kujawski.
- Dec. 6, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,958, dated Jan. 29, 2015; Inv.: Christopher Kujawski.
- Nov. 28, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,931, dated 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, dated 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, dated Oct. 29, 2015; Inv.: Christopher Kujawski.
- 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, dated Jun. 15, 2015; Inv: Christopher Kujawski.
- May 11, 2016—U.S. Restriction Requirement—U.S. Appl. No. 29/530,106, dated Jun. 15, 2015; Inv: Christopher Kujawski.
- May 10, 2016—U.S. Restriction Requirement—U.S. Appl. No. 29/530,098, dated Jun. 15, 2015; Inv: Christopher Kujawski.
- May 17, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,102, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- May 6, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,110, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- May 5, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,108, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- May 2, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,122, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- Apr. 26, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,111, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- Apr. 11, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,113, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- Apr. 14, 2016—U.S. Non-Final Office Action—U.S. Appl. No. 29/530,114, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- Apr. 11, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,115, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- May 6, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,116, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- May 2, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,120, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- May 6, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,285, dated Jun. 15, 2015; Inv: Christopher Kujawski.
- Jun. 22, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,243, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- Apr. 26, 2016—U.S. Non-Final Office Action—U.S. Appl. No. 29/530,237, dated Jun. 15, 2015; Inv: Christopher Kujawski.
- Jul. 27, 2016—(IN) Office Action—App 282967; dated Apr. 28, 2016; Inv: Christopher Kujawski.
- Aug. 2, 2016—(IN) Office Action—App 282964; dated Apr. 28, 2016; Inv: Christopher Kujawski.
- Jul. 27, 2016—(IN) Office Action—App 282965; dated Apr. 28, 2016; Inv: Christopher Kujawski.
- Aug. 2, 2016—(IN) Office Action—App 282968; dated Apr. 28, 2016; Inv: Christopher Kujawski.
- Aug. 4, 2016—(VN) Office Action—App 282968; dated Apr. 27, 2016; Inv: Christopher Kujawski.
- Aug. 2, 2016—(IN) Office Action—App 282966; dated Apr. 28, 2016; Inv: Christopher Kujawski.
- Jul. 22, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,098, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- Jul. 22, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,106, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- Jul. 25, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,112, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- Aug. 1, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,114, dated Jun. 12, 2015; Inv: Christopher Kujawski.
- Aug. 5, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/530,237, dated Jun. 15, 2015; Inv: Christopher Kujawski.
- May 19, 2016—(KR) Office Action—App 30/2015-0063248; dated Dec. 11, 2015; Inv: Christopher Kujawski.
- Aug. 22, 2016—(KR) Office Action—App 30/2015-0063248; dated Dec. 11, 2015; Inv: Christopher Kujawski.
- Apr. 26, 2016—(JP) Office Action—App 2015-027786; dated Dec. 11, 2015; Inv: Christopher Kujawski.
- Aug. 23, 2016—(JP) Office Action—App 2015-027786; dated Dec. 11, 2015; Inv: Christopher Kujawski.
- Sep. 23, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,968, dated Oct. 29, 2015; Inv.: Christopher Kujawski.
- Dec. 14, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,902, dated Oct. 29, 2015; Inv.: Christopher Kujawski.
- Dec. 12, 2016—U.S. Notice of Allowance—U.S. Appl. No. 29/543,914, dated 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, dated Oct. 29, 2015; Inv.: Christopher Kujawski.
- Mar. 28, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/564,536, dated May 13, 2016; Inv.: Christopher Kujawski.
- Mar. 28, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/564,931, dated Oct. 29, 2015; Inv.: Christopher Kujawski.
- Mar. 29, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/543,976, dated Oct. 29, 2015; Inv.: Christopher Kujawski.
- Mar. 29, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/564,897, dated Oct. 29, 2015; Inv.: Christopher Kujawski.
- May 5, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/571,165.
- Jun. 1, 2017—U.S. Notice of Allowance—U.S. Appl. No. 29/564,532, dated 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, dated 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.

* cited by examiner

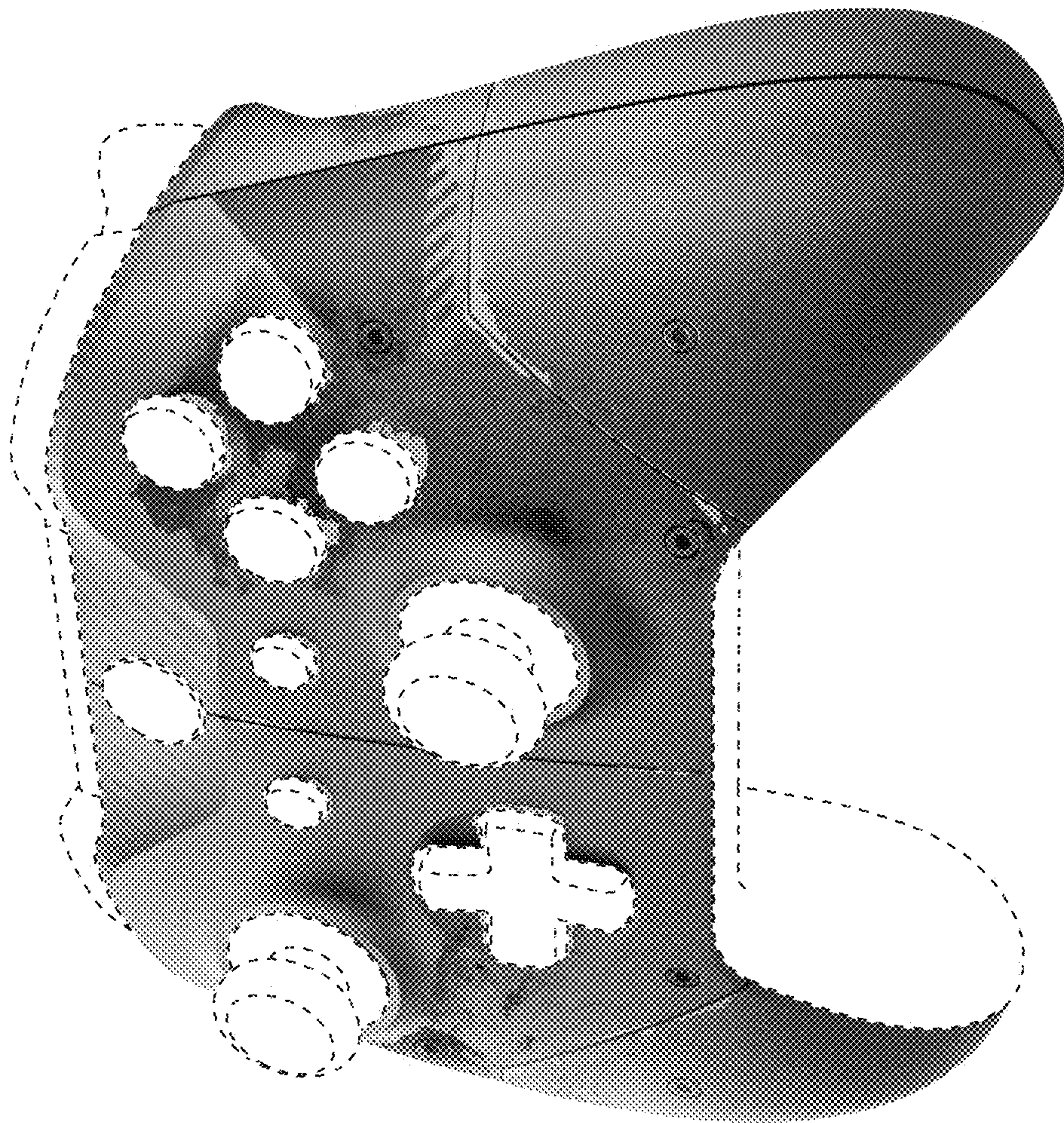


FIG. 1

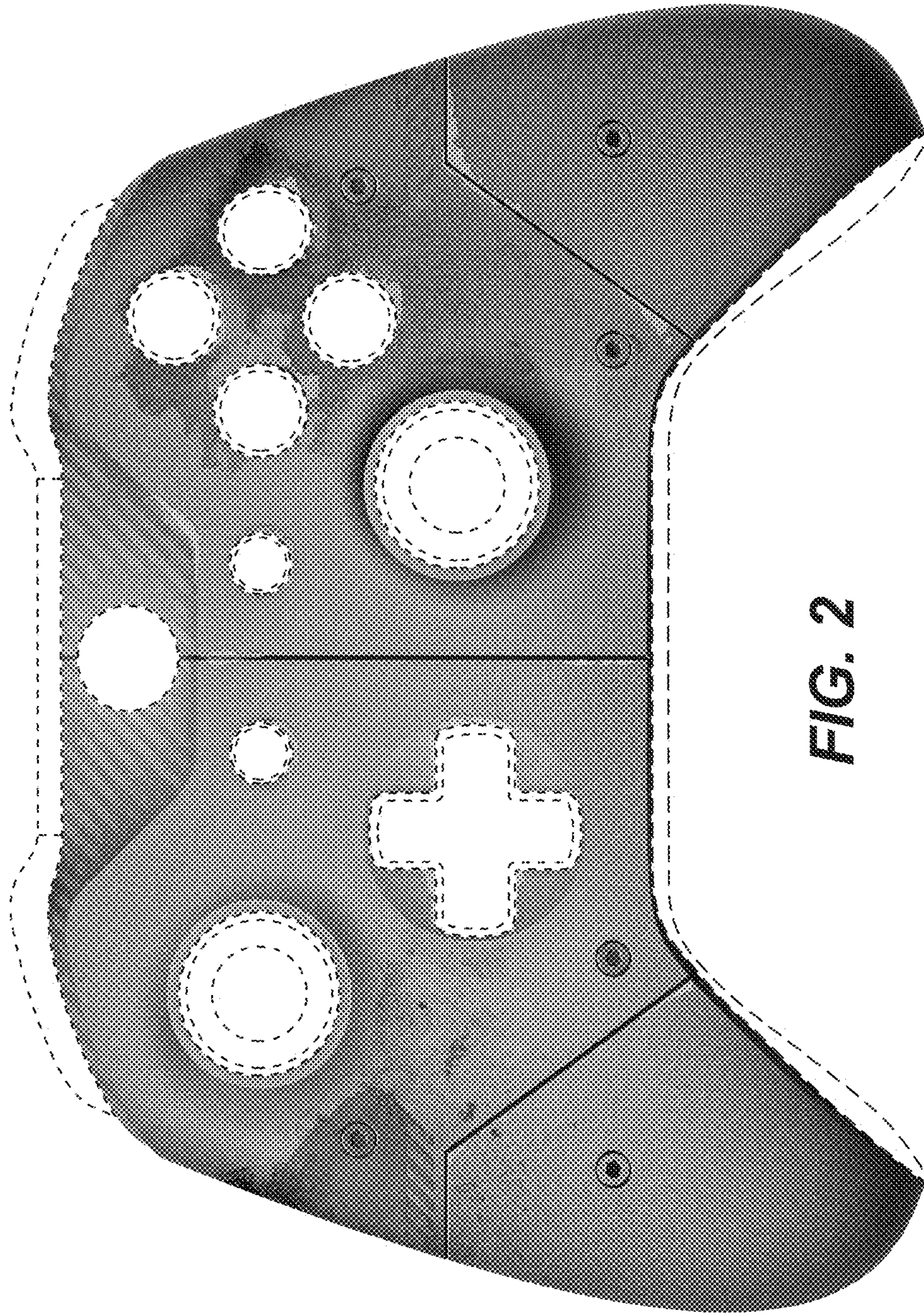


FIG. 2

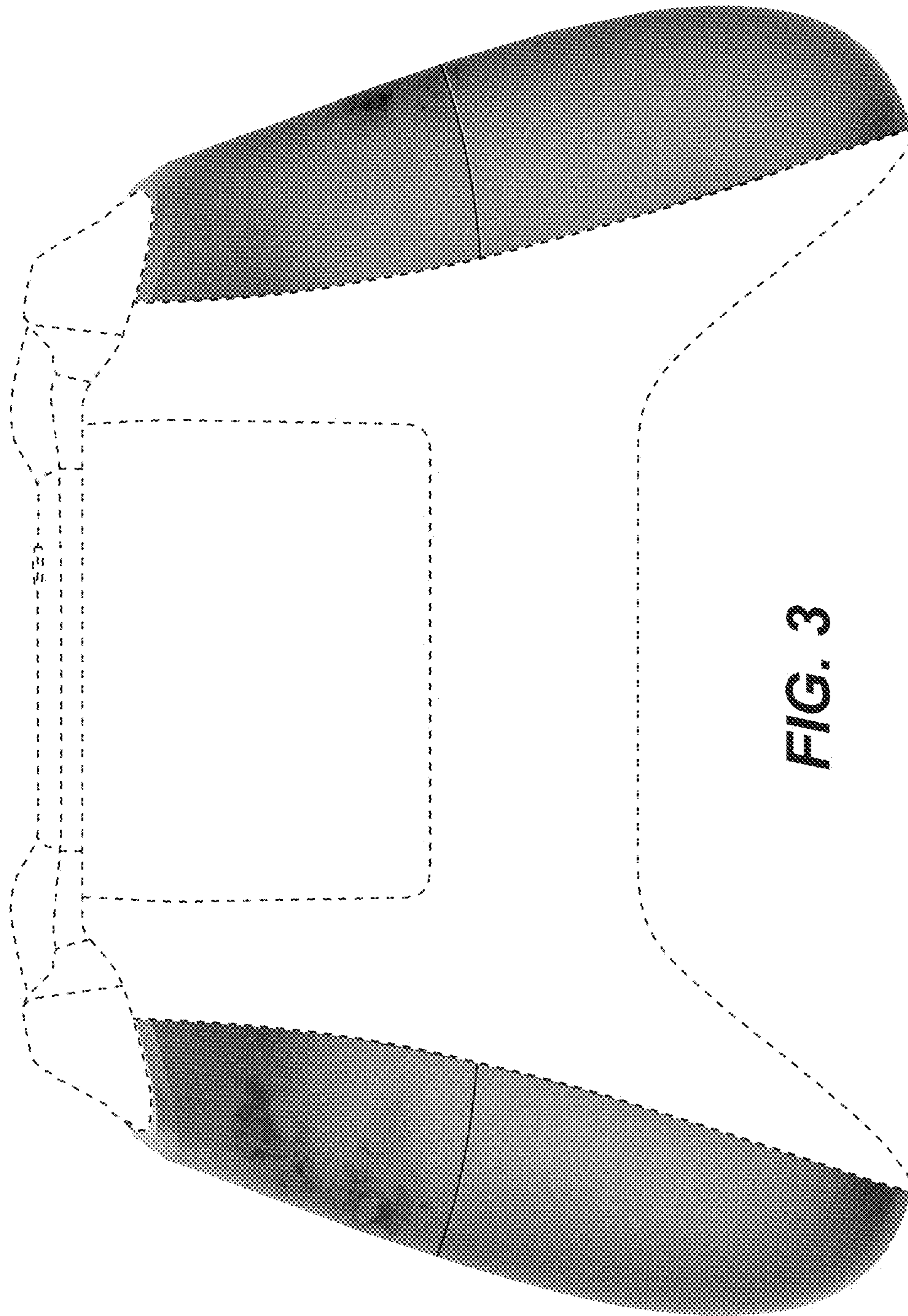


FIG. 3

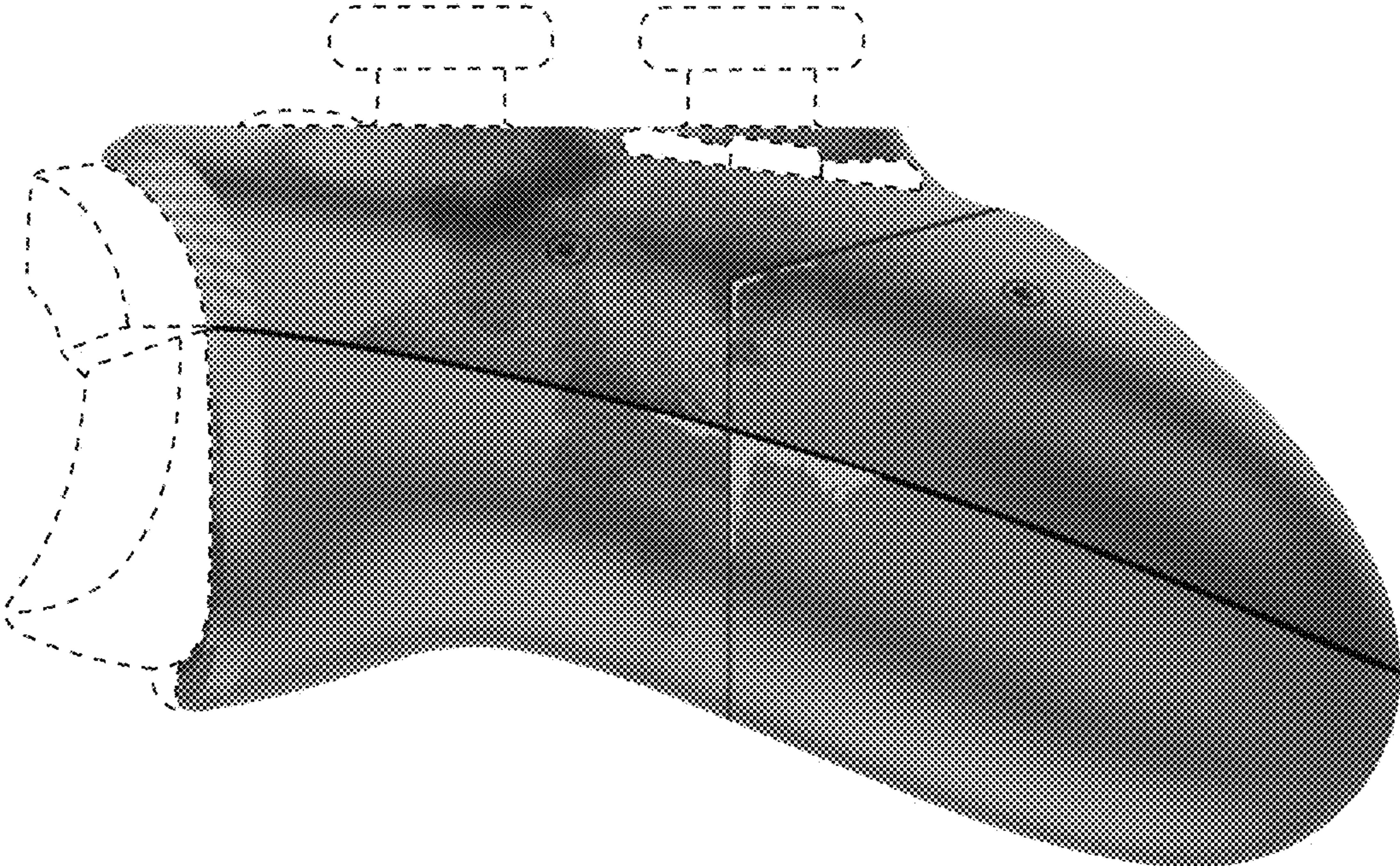


FIG. 4

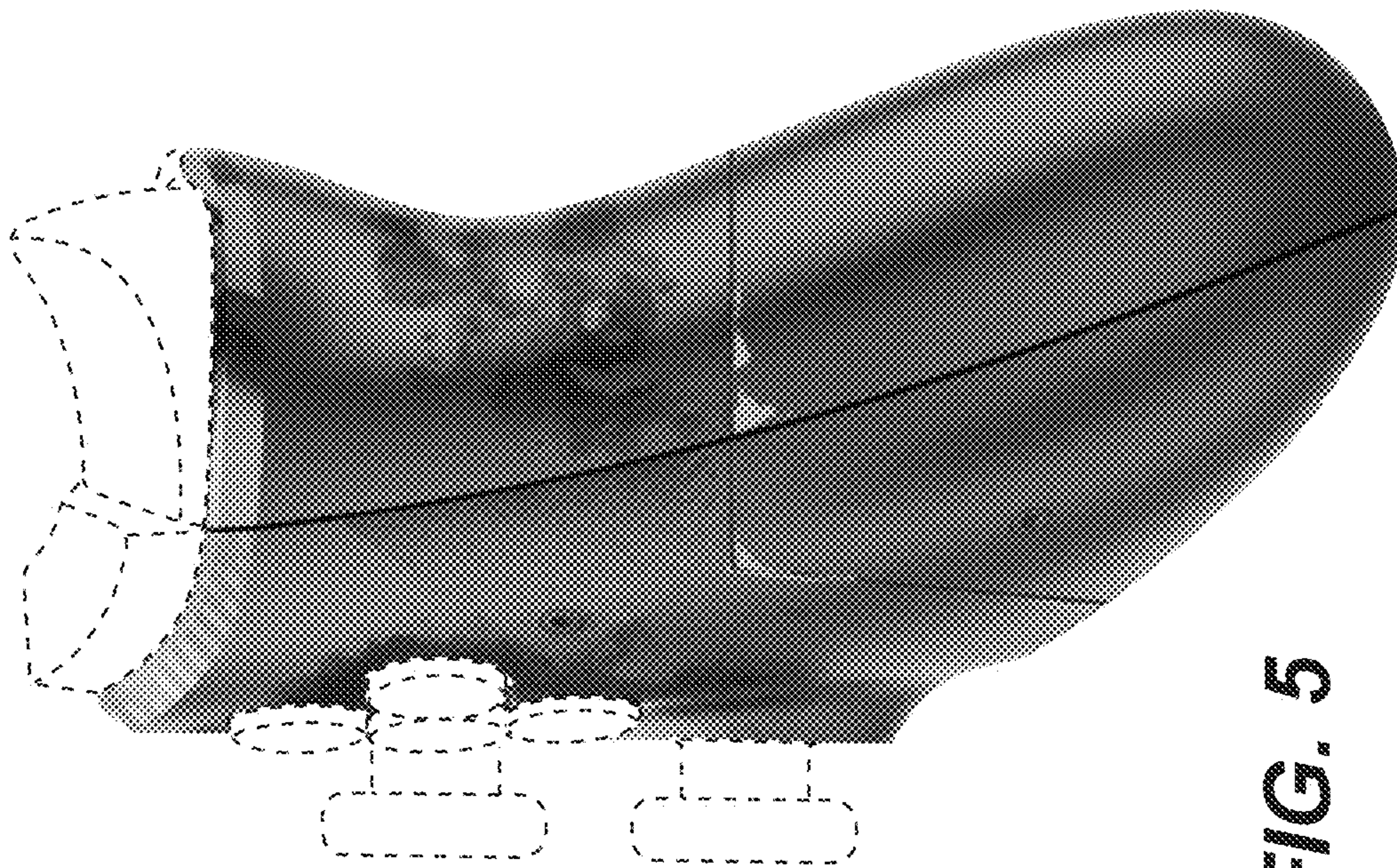


FIG. 5

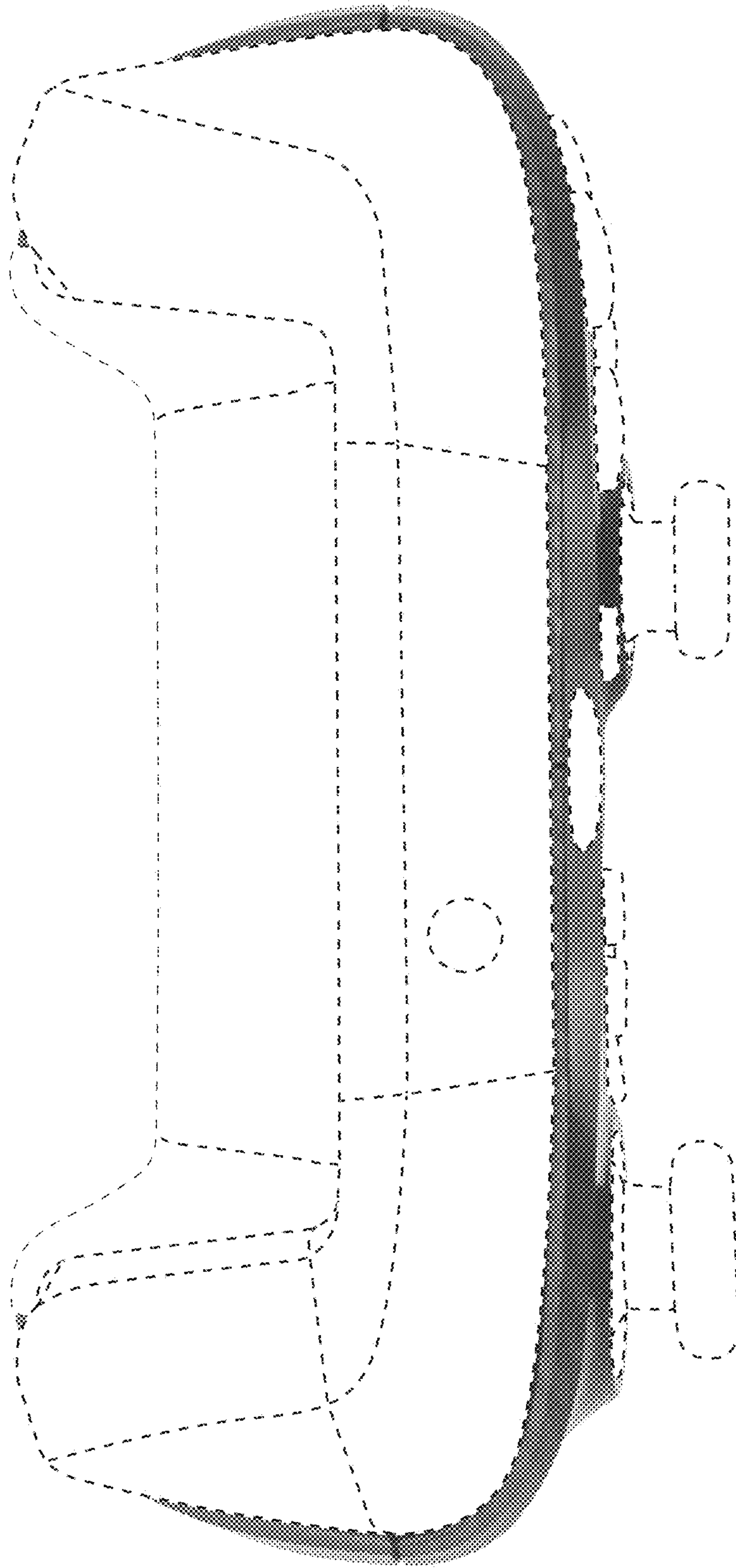


FIG. 6

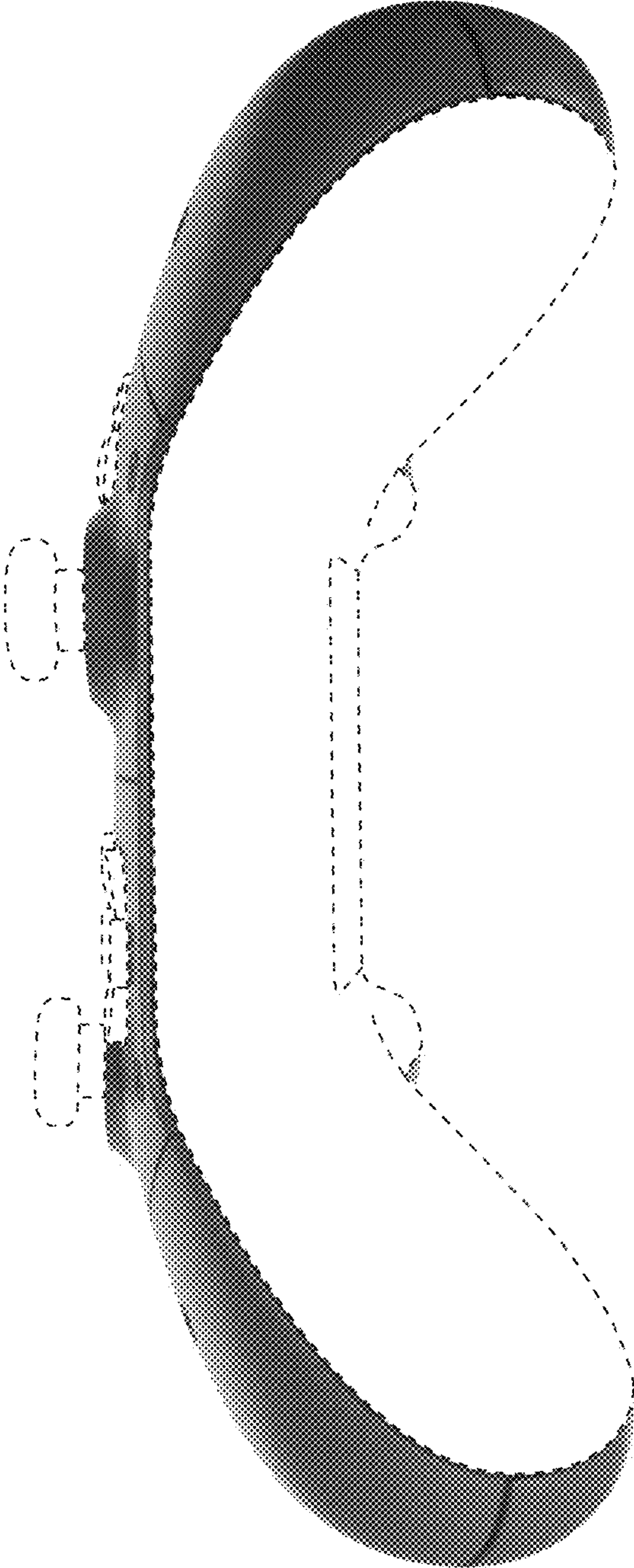


FIG. 7