



US00D907213S

(12) **United States Design Patent** (10) **Patent No.:** **US D907,213 S**
Vosch et al. (45) **Date of Patent:** **** *Jan. 5, 2021**

(54) **PATCH WITH ELECTRODE ARRAY**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **DMS-SERVICE LLC**, Los Angeles, CA (US)

CN 201630100817 * 3/2016
EM 0013843580001 10/2013

(Continued)

(72) Inventors: **Michael J. Vosch**, Titusville, FL (US);
Lynda Sue Cole, Santa Monica, CA (US)

OTHER PUBLICATIONS

(73) Assignee: **DMS-SERVICE LLC**, Los Angeles, CA (US)

Eye beauty pad electrode patch For tens therapy unit. Online, published date unknown. Retrieved on Oct. 30, 2018 from URL: https://www.alibaba.com/product-detail/eye-beauty-pad-electrode-patch-For_1824360617.html.*

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

(Continued)

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

Primary Examiner — Susan Bennett Hattan

Assistant Examiner — Omeed Agilee

(21) Appl. No.: **29/617,945**

(74) *Attorney, Agent, or Firm* — Kevin Schraven; Anooj Patel; Hankin Patent Law, APC

(22) Filed: **Sep. 18, 2017**

(51) **LOC (13) Cl.** **24-02**

(57) **CLAIM**

(52) **U.S. Cl.**

The ornamental design for a patch with electrode array, as shown and described.

USPC **D24/187**

(58) **Field of Classification Search**

USPC D24/107, 168, 186, 187, 189, 200

CPC A61B 5/0002; A61B 5/042; A61B 5/0404;

A61B 5/0416; A61B 5/0422; A61B

5/0424; A61B 5/0492; A61B 5/04004;

A61B 5/0402; A61B 5/04012; A61B

5/04082; A61B 5/04085; A61B 5/04087;

A61N 1/046; A61N 1/0472; A61N

1/0476; A61N 1/0492

See application file for complete search history.

DESCRIPTION

FIG. 1 is a top perspective view of an patch with electrode array showing our new design;

FIG. 2 is a bottom perspective view thereof;

FIG. 3 is a bottom view thereof;

FIG. 4 is a top view thereof;

FIG. 5 is a side view thereof;

FIG. 6 is a side view thereof;

FIG. 7 is a side view that opposes the side view of FIG. 6; and,

FIG. 8 is a side view that opposes the side view of FIG. 5.

The dot-dot-dash lines in the figures depict the boundaries of the claim and form no part thereof. The evenly spaced broken lines in FIGS. 2 and 3 depict portions of the patch with electrode array that form no part of the claimed design.

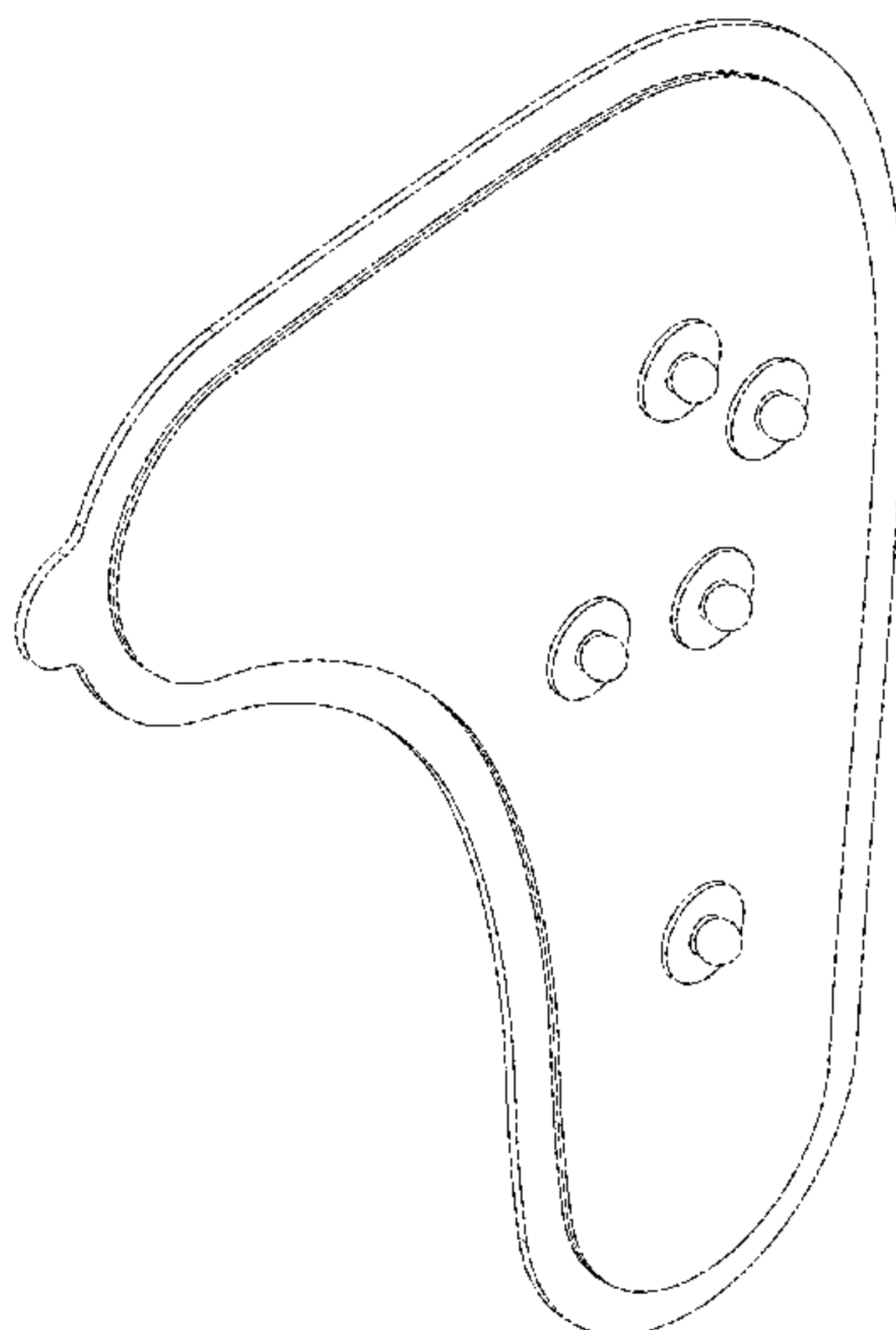
(56) **References Cited**

U.S. PATENT DOCUMENTS

4,353,372 A 10/1982 Ayer
4,796,636 A 1/1989 Branstetter et al.
4,957,109 A 9/1990 Groeger et al.
5,025,791 A 6/1991 Niwa
5,042,463 A 8/1991 Lekholm
5,042,481 A 8/1991 Suzuki et al.

(Continued)

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,895,298 A 4/1999 Faupel et al.
 5,916,159 A 6/1999 Kelly et al.
 D423,673 S 4/2000 Bassoe
 D425,203 S 5/2000 Sheehan et al.
 D429,337 S 8/2000 Sanfilippo
 6,117,077 A 9/2000 Mar et al.
 6,129,666 A 10/2000 DeLuca et al.
 6,219,568 B1 4/2001 Kelly
 D443,063 S 5/2001 Pisani et al.
 6,363,274 B1 3/2002 Scalisi et al.
 D458,376 S 6/2002 Rouns et al.
 6,441,747 B1 8/2002 Khair et al.
 6,453,186 B1 9/2002 Lovejoy
 D468,433 S 1/2003 Wagner
 D469,540 S 1/2003 Holker
 D471,281 S 3/2003 Baura et al.
 6,532,379 B2 3/2003 Stratbucker
 D475,138 S 5/2003 Baura et al.
 D478,173 S 8/2003 Nielsen
 D478,668 S 8/2003 Epstein
 6,605,046 B1 8/2003 Mar
 6,609,018 B2 8/2003 Cory
 6,643,541 B2 11/2003 Mok et al.
 6,654,626 B2 11/2003 Devlin
 6,748,254 B2 6/2004 Mannheimer et al.
 D495,055 S 8/2004 Silber
 6,801,799 B2 10/2004 Mendelson
 6,847,836 B1 1/2005 Sujdak
 D501,558 S 2/2005 Chastain et al.
 D505,206 S 5/2005 Chastain et al.
 D519,239 S * 4/2006 Katagiri D24/189
 D519,636 S 4/2006 Okuda et al.
 D536,673 S 2/2007 Silber
 D541,421 S 4/2007 Heasty
 7,270,580 B2 * 9/2007 Bradley A61B 5/04087
 439/729
 7,286,865 B2 10/2007 Nazeri
 D557,423 S 12/2007 Chen
 D557,809 S 12/2007 Neverov et al.
 D558,352 S * 12/2007 Sanfilippo D24/187
 D565,183 S 3/2008 Cheng
 7,499,739 B2 3/2009 Sweitzer et al.
 D598,114 S 8/2009 Cryan
 7,616,980 B2 11/2009 Meyer
 D605,774 S 12/2009 Phillips et al.
 D606,660 S 12/2009 Phillips et al.
 D607,570 S 1/2010 Phillips et al.
 D609,353 S 2/2010 Cryan
 D615,660 S 5/2010 Anderson et al.
 D625,823 S 10/2010 Schneider et al.
 7,860,557 B2 12/2010 Istvan et al.
 7,970,450 B2 6/2011 Kroecker
 D655,014 S 2/2012 Gilsdorf
 8,135,447 B2 3/2012 Kondoh et al.
 D658,299 S 4/2012 McGusty
 D658,768 S 5/2012 Parker, III
 D663,431 S 7/2012 Parker, III
 D663,849 S 7/2012 McGusty
 8,238,996 B2 8/2012 Burnes et al.
 D669,186 S 10/2012 Gozani
 D669,187 S 10/2012 Gozani
 8,626,262 B2 1/2014 McGusty et al.
 D702,356 S 4/2014 Vosch et al.
 D702,357 S 4/2014 Vosch et al.
 D718,458 S 11/2014 Vosch et al.
 D719,660 S * 12/2014 Vosch D24/187
 9,005,129 B2 4/2015 Venkatraman et al.
 D748,275 S 1/2016 Vosch et al.
 D764,672 S 8/2016 Vosch et al.
 D775,361 S 12/2016 Vosch et al.
 D810,308 S * 2/2018 Lind D24/189
 D821,587 S * 6/2018 Vosch D24/187
 D821,588 S * 6/2018 Vosch D24/187
 D825,068 S * 8/2018 van den Dries D24/200
 D828,924 S * 9/2018 Maroney D24/200

D831,830 S * 10/2018 Lemons D24/168
 D831,833 S * 10/2018 Bishay D24/187
 2005/0070775 A1 3/2005 Chin et al.
 2005/0261564 A1 11/2005 Ryu et al.
 2006/0047215 A1 3/2006 Newman et al.
 2006/0111640 A1 5/2006 Shen et al.
 2007/0027388 A1 2/2007 Chou
 2007/0069887 A1 3/2007 Welch et al.
 2007/0073132 A1 3/2007 Vosch
 2008/0281381 A1 11/2008 Gerber et al.
 2009/0062670 A1 3/2009 Sterling et al.
 2011/0028814 A1 2/2011 Petersen et al.
 2011/0224557 A1 9/2011 Banet et al.
 2011/0237922 A1 9/2011 Parker et al.
 2011/0237924 A1 9/2011 McGusty et al.
 2011/0288605 A1 11/2011 Kaib et al.
 2012/0029311 A1 2/2012 Raptis et al.
 2012/0053491 A1 3/2012 Nathan et al.
 2012/0101349 A1 4/2012 DelloStritto et al.
 2012/0123232 A1 5/2012 Najarian et al.
 2013/0060098 A1 3/2013 Thomsen et al.
 2013/0096401 A1 4/2013 Lash et al.
 2015/0022372 A1 1/2015 Vosch
 2015/0327799 A1 11/2015 Vosch et al.

FOREIGN PATENT DOCUMENTS

EM 0013843580002 10/2013
 EM 0013843580003 10/2013
 EM 0013843580004 10/2013
 KR 101272376 B1 6/2013
 WO 2001093755 A1 12/2001

OTHER PUBLICATIONS

Applicant Remarks and Amendment after Notice of Allowance submitted in U.S. Appl. No. 29/449,851 dated Jul. 8, 2014.
 Applicant Remarks and Amendment submitted in U.S. Appl. No. 29/449,876 dated May 1, 2014.
 Extend European Search Report for EP 14826113.4 dated Jan. 3, 2017.
 Final Office Action dated Jan. 6, 2017 for U.S. Appl. No. 14/334,656.
 Final Office Action received in U.S. Appl. No. 29/449,876 dated Jul. 1, 2014.
 Non-Final Office Action dated Apr. 5, 2016 for U.S. Appl. No. 14/334,656.
 Non-Final Office Action received in U.S. Appl. No. 14/714,210 dated Dec. 16, 2016.
 Non-Final Office Action received in U.S. Appl. No. 29/449,876 dated Dec. 5, 2013.
 Notice of Allowance received in related case U.S. Appl. No. 29/560,083 dated Sep. 28, 2016.
 Notice of Allowance received in U.S. Appl. No. 29/449,851 dated Apr. 3, 2014.
 Notice of Allowance received in U.S. Appl. No. 29/449,866 dated Dec. 11, 2013.
 Notice of Allowance received in U.S. Appl. No. 29/449,860 dated Dec. 6, 2013.
 Notice of Allowance issued in counterpart U.S. Appl. No. 29/592,102 dated Feb. 27, 2018.
 Final Office Action issued in counterpart U.S. Appl. No. 14/334,656 dated Jan. 22, 2018.
 Notice of Allowance issued in counterpart U.S. Appl. No. 29/592,098 dated Feb. 22, 2018.
 Chinese Office Action for Application No. 201480051028.6 dated Dec. 1, 2017.
 Examination report issued in counterpart AU Application No. 2014290501 dated Mar. 8, 2018.
 BR Certificate of Registration issued in counterpart Brazilian Application No. 3020160043990 dated Apr. 10, 2018. (eight (8) pages).
 Communication pursuant to Article 94(3) EPC issued in counterpart European Application No. 14826113.4 dated Mar. 26, 2018 (eight (8) pages).

(56)

References Cited

OTHER PUBLICATIONS

Corrected Notice of Allowability issued in counterpart Design U.S.
Appl. No. 29/592,098 dated Apr. 24, 2018.

Non-Final Office Action issued in counterpart U.S. Appl. No.
14/714,210 dated Apr. 19, 2018.

* cited by examiner

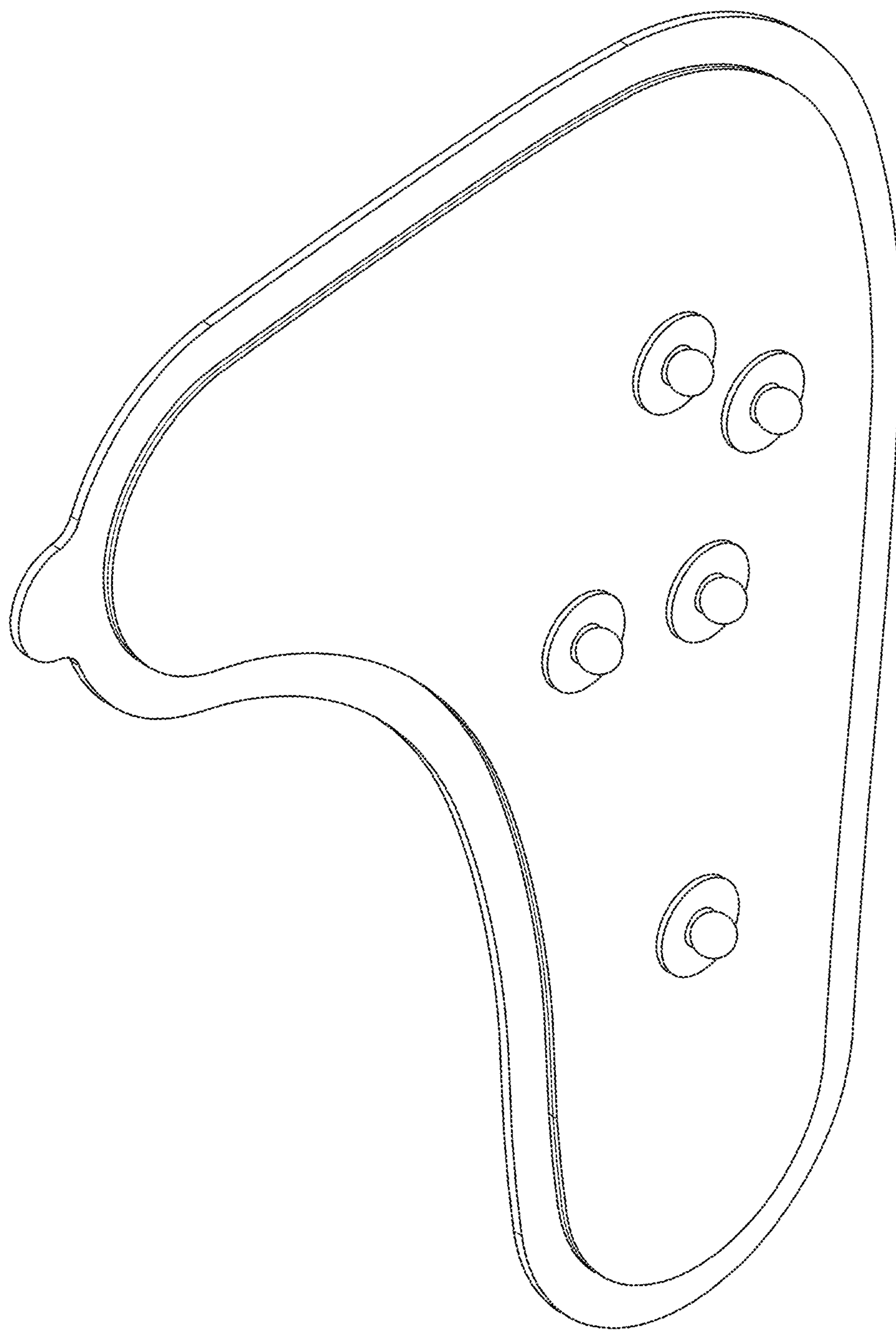


FIG. 1

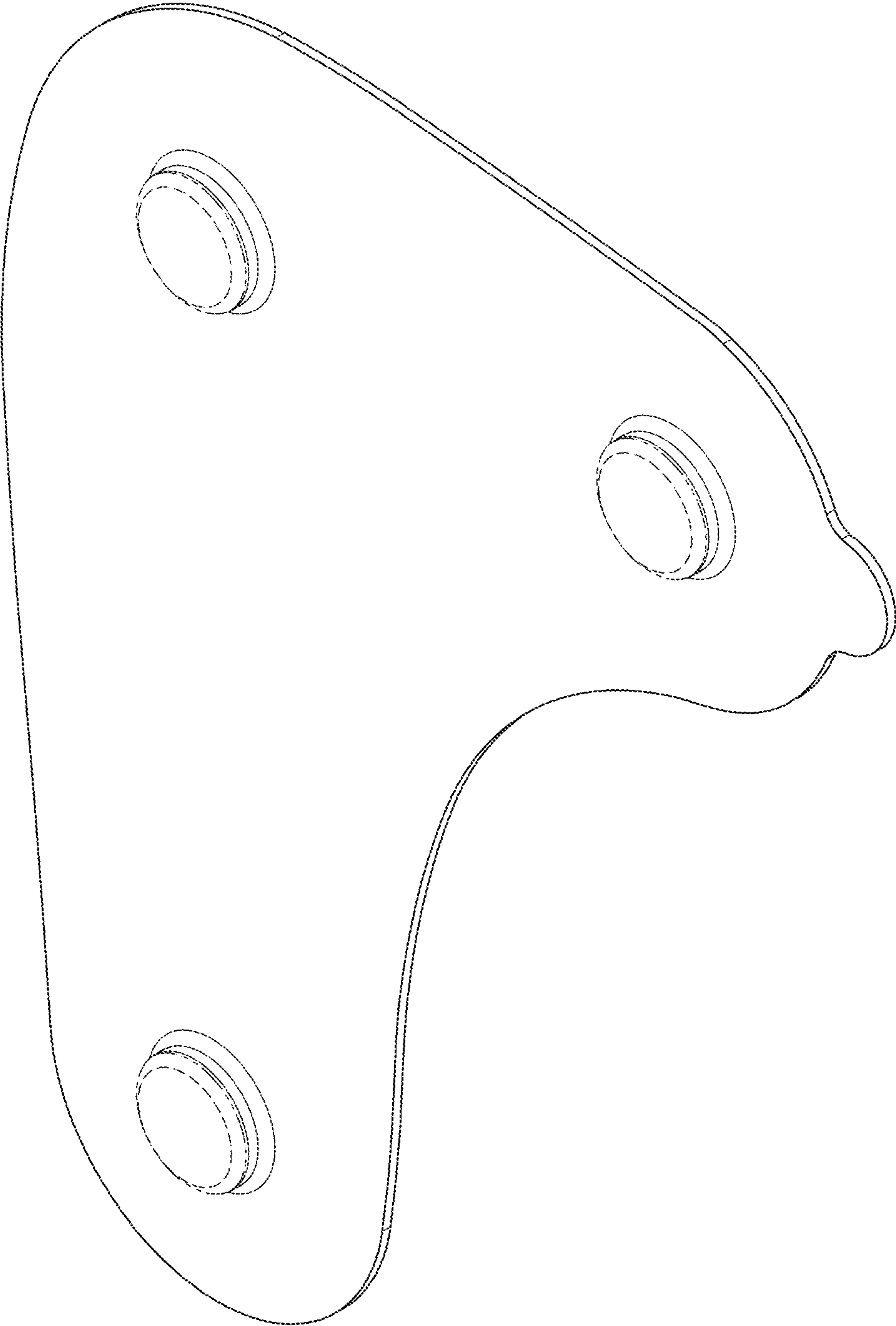


FIG. 2

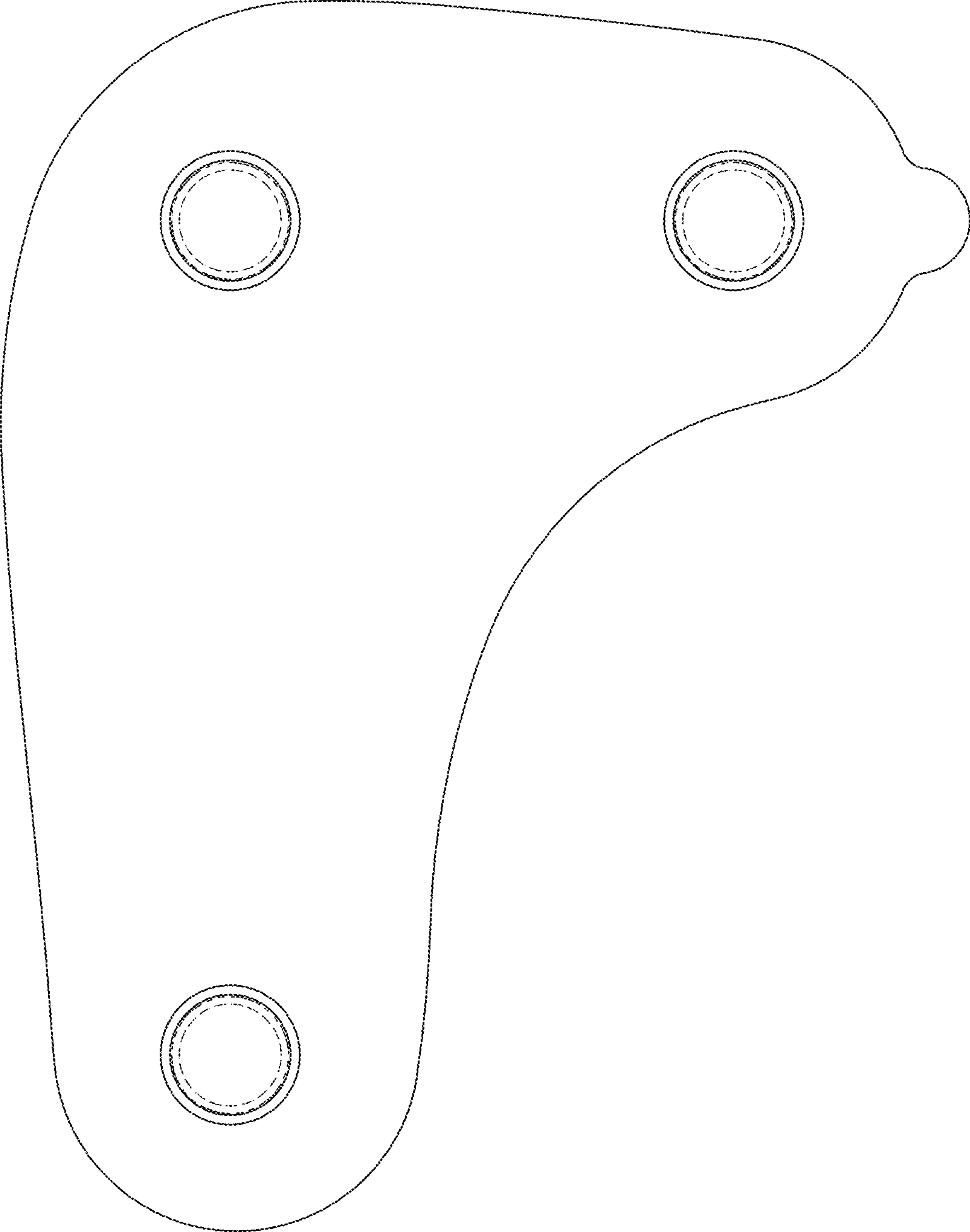


FIG. 3

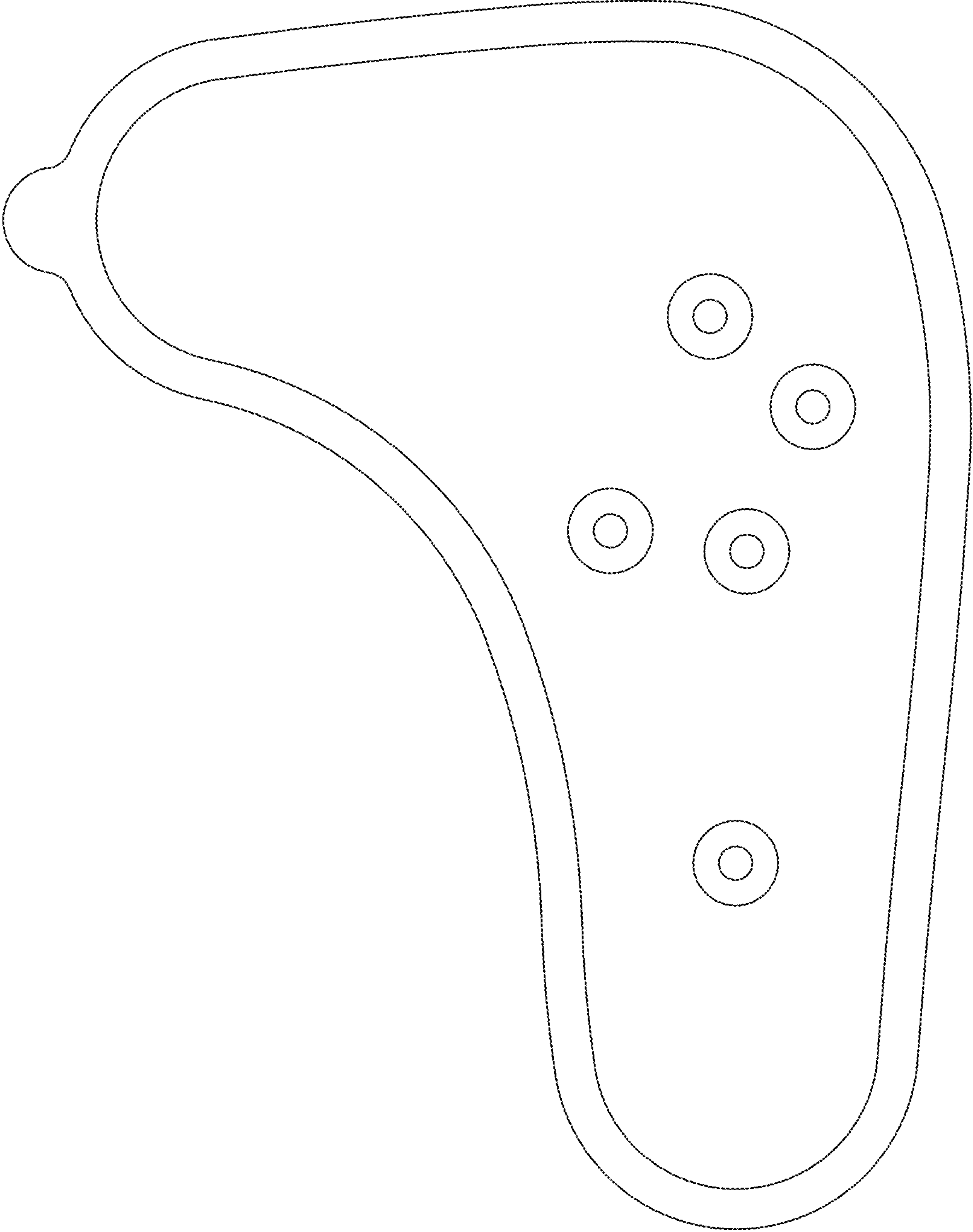


FIG. 4

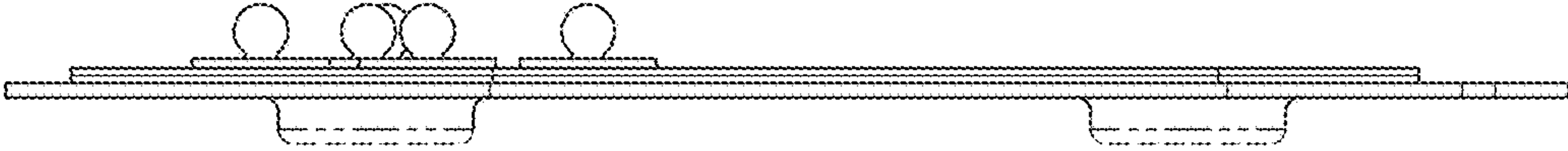


FIG. 5

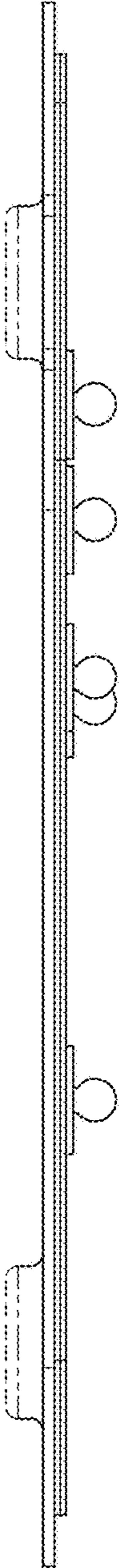


FIG. 6

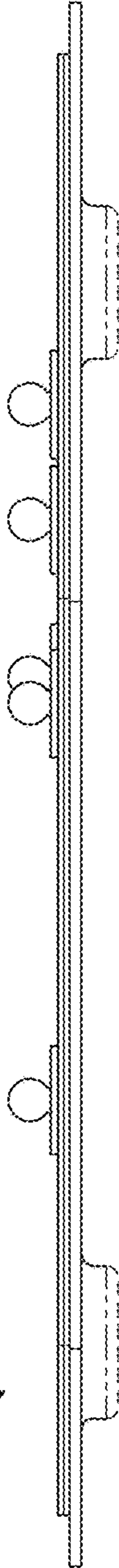


FIG. 7

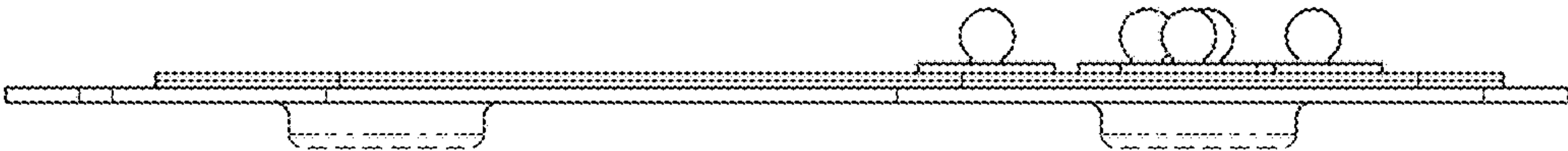


FIG. 8