

US00D971415S

(12) **United States Design Patent** (10) **Patent No.:** **US D971,415 S**
Treen et al. (45) **Date of Patent:** **** Nov. 29, 2022**

(54) **FLEXIBLE APPLICATOR**
(71) Applicant: **CYNOSURE, LLC**, Westford, MA (US)
(72) Inventors: **Jeffrey Michael Treen**, Nashua, NH (US); **Daniel B. Masse**, Windham, NH (US); **James Boll**, Auburndale, MA (US); **Jeffrey Simon**, Everett, MA (US); **David Sonnenshein**, Dorchester Center, MA (US); **Samuel Bruce**, Malden, MA (US)

5,755,753 A 5/1998 Knowlton
5,871,524 A 2/1999 Knowlton
5,919,219 A 7/1999 Knowlton
5,948,011 A 9/1999 Knowlton
6,047,215 A 4/2000 McClure et al.
(Continued)

FOREIGN PATENT DOCUMENTS

WO 20010132091 A2 5/2001
WO 2002049523 A1 6/2002
(Continued)

OTHER PUBLICATIONS

World's First Wrappable RF Applicator, for Hands-Free Treatment on All Skin Types. Online, published date Oct. 8, 2020. Retrieved on Mar. 7, 2022 from URL: <https://www.everythingrf.com/news/details/10987-world-s-first-wrappable-rf-applicator-for-hands-free-treatment-on-all-skin-types>.*

(Continued)

Primary Examiner — Omeed Agilee

(74) *Attorney, Agent, or Firm* — K&L Gates LLP

(73) Assignee: **CYNOSURE, LLC**, Westford, MA (US)

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

(21) Appl. No.: **29/763,574**

(22) Filed: **Dec. 23, 2020**

Related U.S. Application Data

(63) Continuation of application No. 16/731,004, filed on Dec. 30, 2019.

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

(52) **U.S. Cl.**
USPC **D24/187**

(58) **Field of Classification Search**
USPC D24/107, 164, 165–169, 186, 187, 200
CPC A61N 1/3605; A61N 1/36003; A61N 1/37211; A61N 1/37235; A61N 1/36021; A61N 1/36057
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D296,006 S * 5/1988 Asche D24/189
D360,705 S * 7/1995 Martin D28/7
D379,507 S * 5/1997 Haber D24/119
5,660,836 A 8/1997 Knowlton

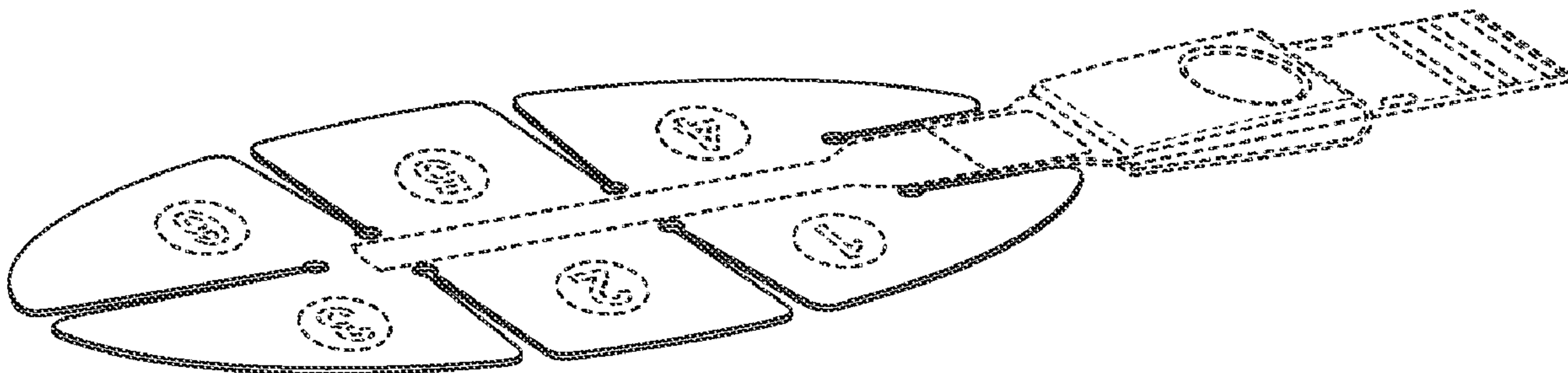
(57) **CLAIM**

The ornamental design of a flexible applicator, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a flexible applicator; FIG. 2 is a view of one side of a flexible applicator; FIG. 3 is a view of another side of a flexible applicator; FIG. 4 is a rear view of the flexible applicator; FIG. 5 is a front view of the flexible applicator; FIG. 6 is a top view of the flexible applicator; and, FIG. 7 is a bottom view of the flexible applicator. The broken lines, the areas within them, and the areas bounded by broken lines and solid lines depict environmental subject matter and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,241,753 B1	6/2001	Knowlton	2004/0000316 A1	1/2004	Knowlton et al.
6,311,090 B1	10/2001	Knowlton	2004/0002705 A1	1/2004	Knowlton et al.
6,375,672 B1	4/2002	Aksan et al.	2004/0030332 A1	2/2004	Knowlton et al.
6,377,854 B1	4/2002	Knowlton	2004/0034346 A1	2/2004	Stern et al.
6,377,855 B1	4/2002	Knowlton	2004/0111087 A1	6/2004	Stern et al.
6,381,497 B1	4/2002	Knowlton	2004/0220512 A1	11/2004	Kreindel
6,381,498 B1	4/2002	Knowlton	2006/0025837 A1	2/2006	Stern et al.
6,387,380 B1	5/2002	Knowlton	2006/0173518 A1	8/2006	Kreindel
6,405,090 B1	6/2002	Knowlton	2006/0206110 A1	9/2006	Knowlton et al.
6,413,255 B1	7/2002	Stern	2007/0010811 A1	1/2007	Stern et al.
6,453,202 B1	9/2002	Knowlton	2007/0038156 A1	2/2007	Rosenberg
D471,281 S *	3/2003	Baura D24/187	2007/0088413 A1	4/2007	Weber et al.
7,006,874 B2	2/2006	Knowlton et al.	2007/0106349 A1	5/2007	Karni et al.
7,022,121 B2	4/2006	Stern et al.	2007/0255274 A1	11/2007	Stern et al.
7,115,123 B2	10/2006	Knowlton et al.	2007/0265614 A1	11/2007	Stern et al.
7,141,049 B2	11/2006	Stern et al.	2008/0004678 A1	1/2008	Kreindel
7,189,230 B2	3/2007	Knowlton	2008/0091185 A1	4/2008	McGill et al.
7,229,436 B2	6/2007	Stern et al.	2008/0097559 A1	4/2008	Eggers et al.
7,267,675 B2	9/2007	Stern et al.	2008/0183251 A1	7/2008	Azar et al.
7,452,358 B2	11/2008	Stern et al.	2008/0287943 A1	11/2008	Weber et al.
7,473,251 B2	1/2009	Knowlton et al.	2008/0312651 A1	12/2008	Pope et al.
7,481,809 B2	1/2009	Stern et al.	2009/0082764 A1	3/2009	Knowlton et al.
7,630,774 B2	12/2009	Kami et al.	2009/0093864 A1	4/2009	Anderson
7,643,883 B2	1/2010	Kreindel	2009/0125013 A1	5/2009	Sypniewski et al.
7,955,262 B2	6/2011	Rosenberg	2009/0287207 A1	11/2009	Stern et al.
8,150,532 B2	4/2012	Karni et al.	2009/0318916 A1	12/2009	Lischinsky et al.
8,221,410 B2	7/2012	Knowlton et al.	2009/0326528 A1	12/2009	Karni et al.
8,244,369 B2	8/2012	Kreindel	2010/0198199 A1	8/2010	Kreindel
8,512,331 B2	8/2013	Lischinsky et al.	2010/0204619 A1	8/2010	Rosenberg
8,548,599 B2	10/2013	Zarsky et al.	2010/0211055 A1	8/2010	Eckhouse et al.
8,603,088 B2	12/2013	Stern et al.	2011/0009783 A1	1/2011	Dverin et al.
8,685,017 B2	4/2014	Stern et al.	2011/0015625 A1	1/2011	Adanny et al.
8,700,176 B2	4/2014	Azar et al.	2011/0106226 A1	5/2011	Szasz et al.
8,728,071 B2	5/2014	Lischinsky et al.	2011/0218464 A1	9/2011	Iger
8,998,791 B2	4/2015	Ron Edoute et al.	2011/0264173 A1	10/2011	Flyash et al.
9,011,419 B2	4/2015	Flyash et al.	2012/0150168 A1	6/2012	Adanny et al.
9,072,521 B2	7/2015	Levi et al.	2012/0239120 A1	9/2012	Karni et al.
9,198,735 B2	12/2015	Taghizadeh	2012/0265193 A1	10/2012	Lischinsky et al.
D752,764 S *	3/2016	Peters D24/187	2012/0271219 A1	10/2012	Weisgerber et al.
9,277,958 B2	3/2016	Schomacker et al.	2012/0283725 A1	11/2012	Knowlton et al.
9,381,057 B2	7/2016	Schomacker et al.	2013/0079766 A1	3/2013	Adanny et al.
D762,869 S *	8/2016	Beckman D24/206	2013/0123764 A1	5/2013	Zarsky et al.
9,446,258 B1	9/2016	Schwarz et al.	2013/0123765 A1	5/2013	Zarsky et al.
9,468,774 B2	10/2016	Zarsky et al.	2013/0165928 A1	6/2013	Lischinsky et al.
D785,189 S *	4/2017	Dettmar D24/189	2013/0172871 A1	7/2013	Luzon et al.
9,636,175 B2	5/2017	Stern et al.	2013/0218242 A1	8/2013	Schomacker
9,636,495 B2	5/2017	Szasz et al.	2013/0218243 A1	8/2013	Schomacker et al.
9,636,516 B2	5/2017	Schwarz	2013/0226269 A1	8/2013	Eckhouse et al.
9,694,194 B2	7/2017	Ron Edoute et al.	2013/0245727 A1	9/2013	Kothare et al.
D797,948 S *	9/2017	Matsushita D24/200	2013/0282085 A1	10/2013	Lischinsky et al.
9,827,437 B2	11/2017	Lischinsky et al.	2014/0005658 A1	1/2014	Rosenberg
9,844,682 B2	12/2017	Lischinsky et al.	2014/0025142 A1	1/2014	Zarsky et al.
9,867,996 B2	1/2018	Zarsky et al.	2014/0066918 A1	3/2014	Stern et al.
9,889,297 B2	2/2018	Schomacker	2014/0121631 A1	5/2014	Bean et al.
9,895,188 B2	2/2018	Schomacker et al.	2014/0128944 A1	5/2014	Stern et al.
9,901,743 B2	2/2018	Ron Edoute et al.	2014/0207217 A1	7/2014	Lischinsky et al.
9,962,553 B2	5/2018	Schwarz et al.	2014/0214022 A1	7/2014	Adanny et al.
D824,526 S *	7/2018	Ramjit D24/189	2014/0228834 A1	8/2014	Adanny et al.
D834,209 S *	11/2018	Tan D24/200	2014/0249522 A1	9/2014	Adanny et al.
10,118,051 B2	11/2018	Taghizadeh	2014/0249609 A1	9/2014	Zarsky et al.
10,124,187 B2	11/2018	Schwarz et al.	2014/0296852 A1	10/2014	Adanny et al.
10,322,296 B2	6/2019	Adanny et al.	2014/0303608 A1	10/2014	Taghizadeh
D861,179 S	9/2019	Kurachi et al.	2014/0379055 A1	12/2014	Schomacker et al.
D870,299 S *	12/2019	Lin D24/200	2015/0025513 A1	1/2015	Taghizadeh
D889,662 S *	7/2020	Hubelbank D24/168	2015/0201993 A1	7/2015	Schomacker et al.
D937,419 S *	11/2021	Lou D24/168	2015/0238771 A1	8/2015	Zarsky et al.
D937,420 S *	11/2021	Lou D24/168	2015/0297283 A1	10/2015	Adanny et al.
D940,341 S *	1/2022	Lin D24/200	2016/0051827 A1	2/2016	Ron Edoute et al.
2002/0151887 A1	10/2002	Stern et al.	2016/0256702 A1	9/2016	Schwarz et al.
2002/0156471 A1	10/2002	Stern et al.	2016/0256703 A1	9/2016	Schwarz et al.
2003/0139740 A1	7/2003	Kreindel	2016/0317827 A1	11/2016	Schwarz et al.
2003/0199866 A1	10/2003	Stern et al.	2017/0043177 A1	2/2017	Ron Edoute et al.
2003/0212393 A1	11/2003	Knowlton et al.	2017/0049494 A1	2/2017	Stern et al.
2003/0216728 A1	11/2003	Stern et al.	2017/0087373 A1	3/2017	Schwarz
2003/0220635 A1	11/2003	Knowlton et al.	2017/0157394 A1	6/2017	Andocs et al.
			2017/0209212 A1	7/2017	Stern et al.
			2018/0000533 A1	1/2018	Boll et al.
			2018/0001106 A1	1/2018	Schwarz
			2018/0001107 A1	1/2018	Schwarz et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

2018/0028831 A1 2/2018 Ron Edoute et al.
2018/0133499 A1 5/2018 Dronov et al.
2018/0353772 A1 12/2018 Chen et al.
2019/0000526 A1 1/2019 Lei et al.
2019/0000529 A1 1/2019 Kothare et al.
2019/0090947 A1 3/2019 Stern et al.
2019/0090950 A1 3/2019 Masotti et al.
2019/0133673 A1 5/2019 Boll et al.
2019/0192873 A1 6/2019 Schwarz et al.
2019/0247104 A1 8/2019 Stern et al.
2019/0255347 A1 8/2019 Masotti et al.
2019/0314638 A1 10/2019 Kreindel
2020/0352633 A1* 11/2020 Treen A61B 18/1485

FOREIGN PATENT DOCUMENTS

WO 2010103507 A1 9/2010
WO 2012052986 A2 4/2012
WO 2014009875 A2 1/2014
WO 2014122539 A1 8/2014
WO 2018016819 A1 1/2018
WO 2020142470 A1 12/2019

OTHER PUBLICATIONS

International Search Report and Written Opinion for International Application No. PCT/US2017/040585 mailed from the International Searching Authority dated Dec. 6, 2017 (24 pages).

* cited by examiner

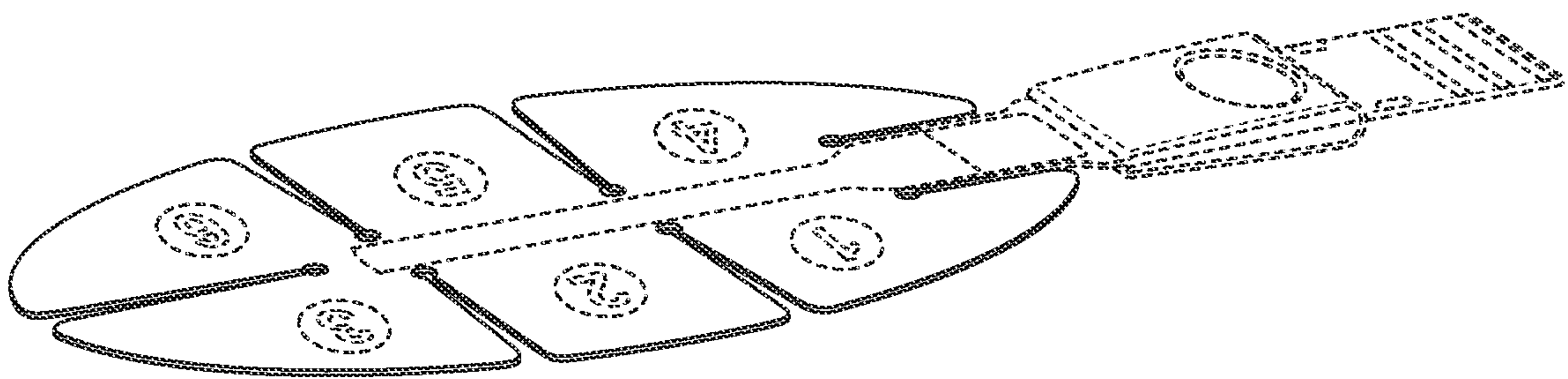


FIG. 1



FIG. 2



FIG. 3

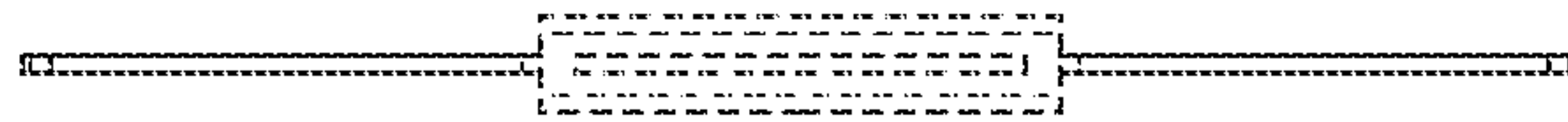


FIG. 4

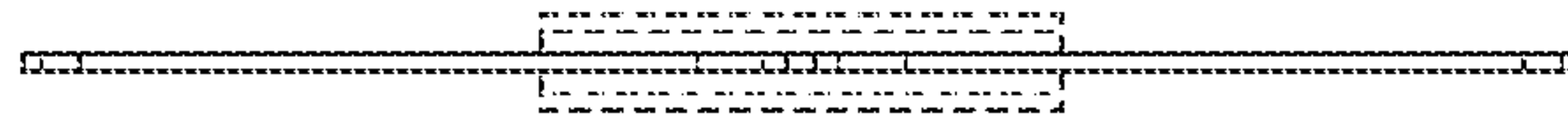


FIG. 5

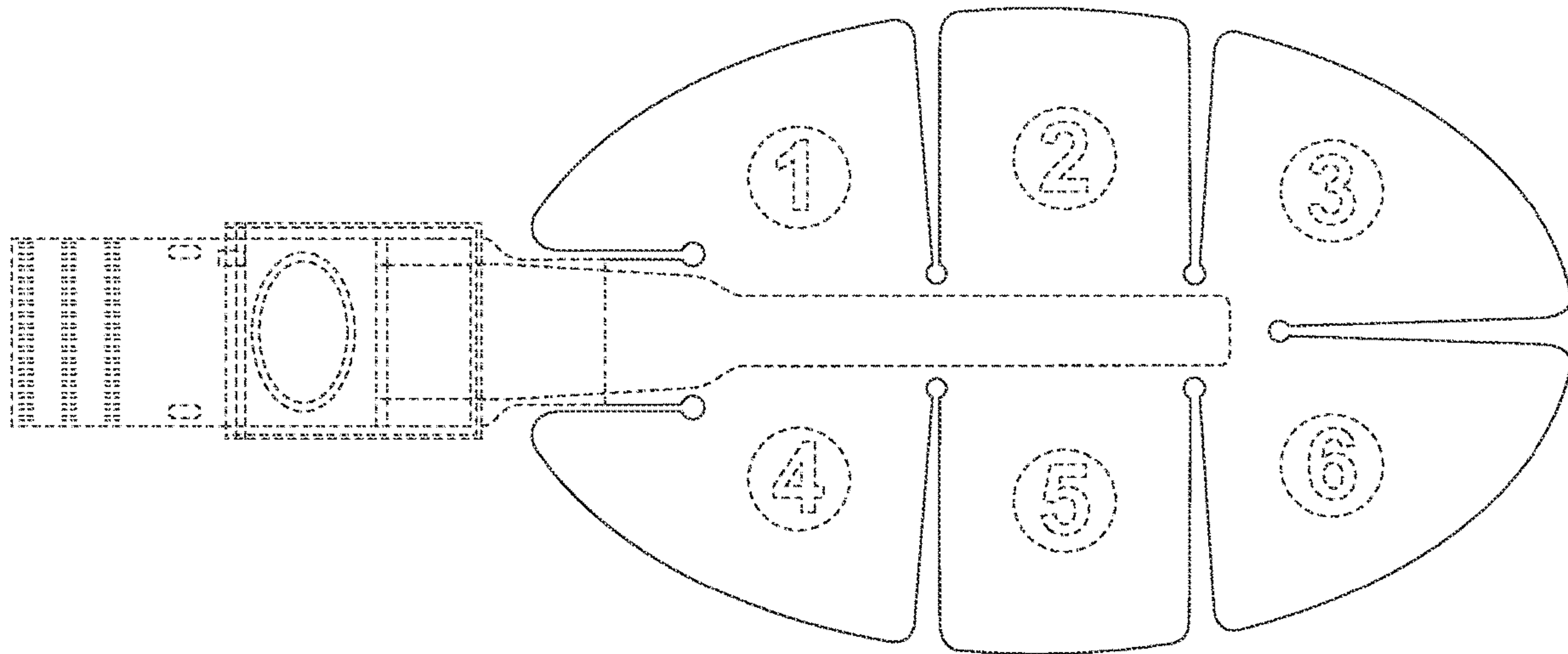


FIG. 6

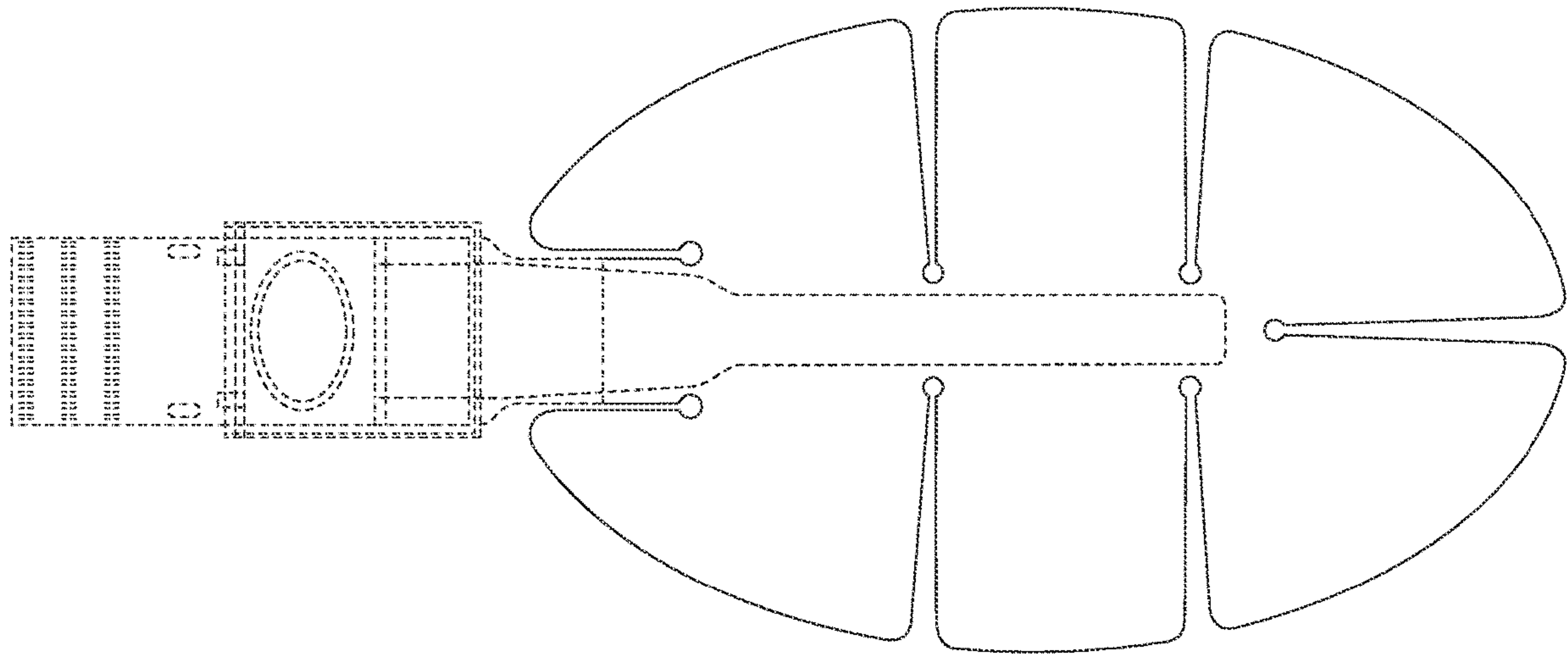


FIG. 7