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(12) **United States Design Patent** (10) **Patent No.:** **US D837,368 S**
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(54) **CATHETER ADAPTER GRIP**

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

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(52) **U.S. Cl.**
USPC **D24/129**

(58) **Field of Classification Search**

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D8/311

CPC .. A61M 5/158; A61M 5/1582; A61M 5/3243;
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25/0612; A61M 25/0631; A61M 25/0637

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,046,984 A	7/1962	Eby
3,547,119 A	12/1970	Hall et al.
3,589,361 A	6/1971	Loper et al.
3,853,127 A	12/1974	Spademan
3,859,998 A	1/1975	Thomas et al.
4,003,403 A	1/1977	Nehring
4,043,346 A	8/1977	Mobley et al.

4,099,528 A	7/1978	Sorenson et al.
4,149,539 A	4/1979	Cianci
4,172,448 A	10/1979	Brush
4,193,399 A	3/1980	Robinson
4,200,096 A	4/1980	Charvin
4,269,186 A	5/1981	Loveless et al.

(Continued)

FOREIGN PATENT DOCUMENTS

CA	2 133 053 A1	3/1995
CN	101879341 A	11/2010

(Continued)

OTHER PUBLICATIONS

Silva, Elson, Email Regarding "Respecting Hydrology Science and
IP Rights-U.S. Pat. No. 20110130728," pp. 1-6 (Jun. 2, 2011).

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(57) **CLAIM**

The ornamental design of a catheter adapter grip, as shown
and described.

DESCRIPTION

FIG. 1 is a perspective front, top and side view of a catheter
adapter grip.

FIG. 2 is a perspective front, top and side view thereof.

FIG. 3 is a front view thereof.

FIG. 4 is a rear view thereof.

FIG. 5 is a right side view thereof.

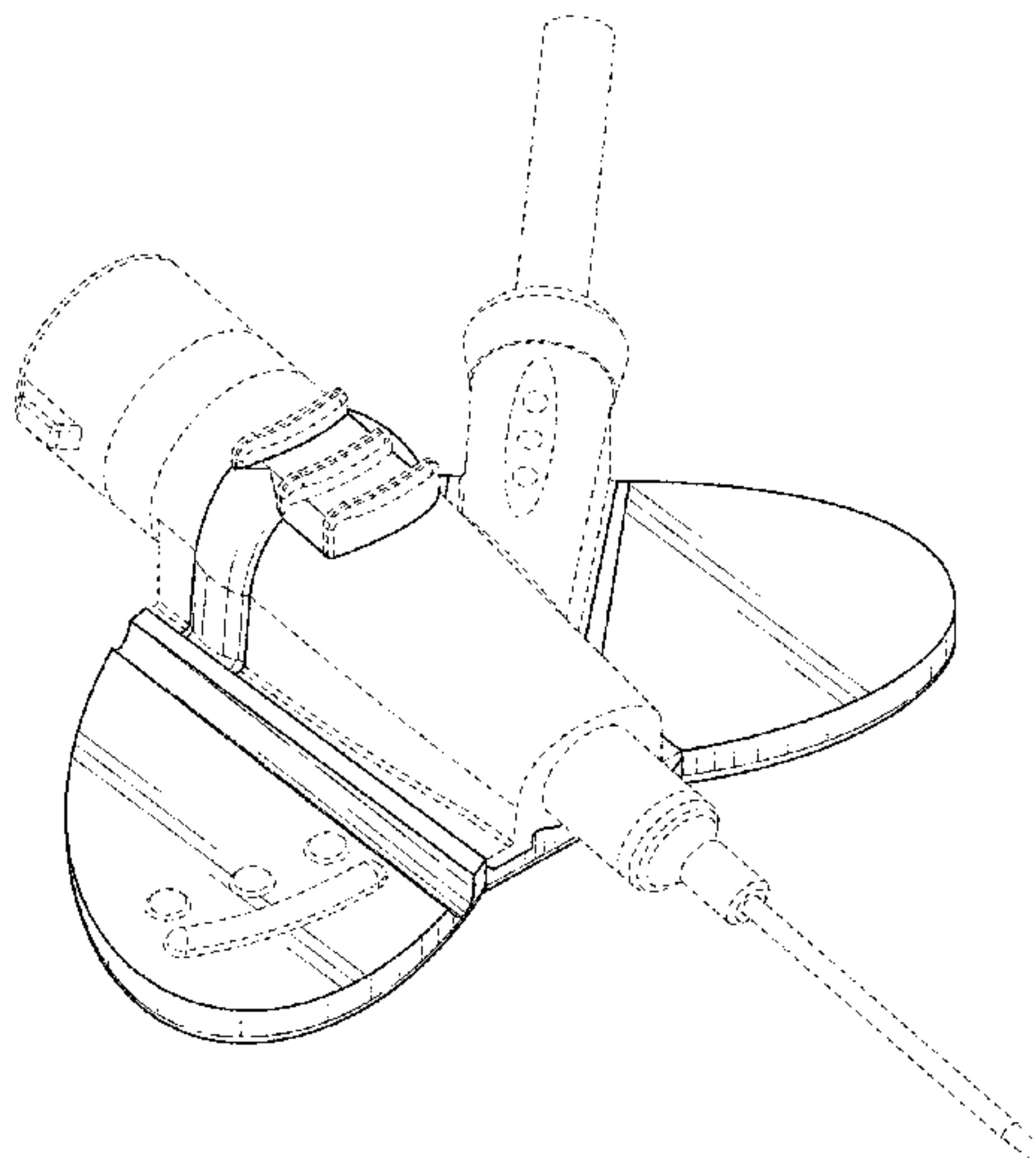
FIG. 6 is a left side view thereof.

FIG. 7 is a top view thereof; and,

FIG. 8 is a bottom view thereof.

The dashed lines depict portions of the catheter adapter grip
that form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,311,137 A	1/1982	Gerard	5,549,566 A	8/1996	Elias et al.
4,317,445 A	3/1982	Robinson	5,549,576 A	8/1996	Patterson et al.
4,326,519 A	4/1982	D'Alo et al.	5,549,577 A	8/1996	Siegel et al.
4,353,369 A	10/1982	Muetterties et al.	5,562,631 A	10/1996	Bogert
4,362,156 A	12/1982	Feller, Jr. et al.	5,562,633 A	10/1996	Wozencroft
4,365,630 A	12/1982	McFarlane	5,573,510 A	11/1996	Isaacson
4,387,879 A	6/1983	Tauschinski	5,575,769 A	11/1996	Vaillancourt
4,419,094 A	12/1983	Patel	5,575,777 A	11/1996	Cover et al.
4,449,693 A	5/1984	Gereg	5,584,809 A	12/1996	Gaba
4,496,348 A	1/1985	Genese et al.	5,599,310 A	2/1997	Bogert
4,525,157 A	6/1985	Vaillancourt	5,601,536 A	2/1997	Crawford et al.
4,531,935 A	7/1985	Berryessa	5,613,663 A	3/1997	Schmidt et al.
4,682,980 A	7/1987	Suzuki	5,651,772 A	7/1997	Arnett
4,703,761 A	11/1987	Rathbone et al.	5,657,963 A	8/1997	Hinchliffe et al.
4,758,225 A	7/1988	Cox et al.	5,676,656 A	10/1997	Brimhall
4,765,588 A	8/1988	Atkinson	5,690,619 A	11/1997	Erskine
4,772,264 A	9/1988	Cragg	5,697,907 A	12/1997	Gaba
4,813,939 A	3/1989	Marcus	5,697,914 A	12/1997	Brimhall
4,834,708 A	5/1989	Pillari	5,697,915 A	12/1997	Lynn
4,842,591 A	6/1989	Luther	5,699,821 A	12/1997	Paradis
4,874,377 A	10/1989	Newgard et al.	5,700,244 A	12/1997	Kriesel
4,894,052 A	1/1990	Crawford	5,700,250 A	12/1997	Erskine
4,917,668 A	4/1990	Haindl	5,704,919 A	1/1998	Kraus et al.
4,917,671 A	4/1990	Chang	5,718,688 A	2/1998	Wozencroft
4,935,010 A	6/1990	Cox et al.	5,730,123 A	3/1998	Lorenzen et al.
4,950,257 A	8/1990	Hibbs et al.	5,738,144 A	4/1998	Rogers
4,966,586 A	10/1990	Vaillancourt	5,749,856 A	5/1998	Zadini et al.
D315,822 S *	3/1991	Ryan D24/128	5,749,861 A	5/1998	Guala et al.
5,032,116 A	7/1991	Peterson et al.	5,800,399 A	9/1998	Bogert et al.
5,041,097 A	8/1991	Johnson	5,806,831 A	9/1998	Paradis
5,053,014 A	10/1991	Van Heugten	5,810,780 A	9/1998	Brimhall et al.
5,059,186 A	10/1991	Yamamoto et al.	5,817,069 A	10/1998	Arnett
5,062,836 A	11/1991	Wendell	5,843,046 A	12/1998	Motisi et al.
5,064,416 A	11/1991	Newgard et al.	5,853,393 A	12/1998	Bogert
5,084,023 A	1/1992	Lemieux	5,882,345 A	3/1999	Yoon
5,085,645 A	2/1992	Purdy et al.	5,911,710 A	6/1999	Barry et al.
5,108,374 A	4/1992	Lemieux	5,935,109 A	8/1999	Donnan
5,127,905 A	7/1992	Lemieux	5,935,110 A	8/1999	Brimhall
5,135,504 A	8/1992	McLees	5,947,932 A	9/1999	Desecki et al.
5,154,703 A	10/1992	Bonaldo	5,954,698 A	9/1999	Pike
5,156,596 A	10/1992	Balbierz et al.	5,961,497 A	10/1999	Larkin
5,176,653 A	1/1993	Metals	5,967,490 A	10/1999	Pike
5,176,662 A	1/1993	Bartholomew et al.	6,039,302 A	3/2000	Cote, Sr. et al.
5,201,717 A	4/1993	Wyatt et al.	6,056,726 A	5/2000	Isaacson
5,211,634 A	5/1993	Vaillancourt	6,077,244 A	6/2000	Botich et al.
5,215,525 A	6/1993	Sturman	6,117,108 A	9/2000	Woehr et al.
5,215,528 A	6/1993	Purdy et al.	6,142,981 A	11/2000	Heck et al.
5,215,529 A	6/1993	Fields et al.	6,171,287 B1	1/2001	Lynn et al.
5,226,883 A	7/1993	Katsaros et al.	6,206,851 B1	3/2001	Prosl
5,234,410 A	8/1993	Graham et al.	6,221,047 B1	4/2001	Greene et al.
5,242,411 A	9/1993	Yamamoto et al.	6,224,569 B1	5/2001	Brimhall
5,254,097 A	10/1993	Schock et al.	6,273,869 B1	8/2001	Vaillancourt
5,267,971 A	12/1993	Brimhall	6,287,278 B1	9/2001	Woehr et al.
5,269,764 A	12/1993	Vetter et al.	D451,600 S *	12/2001	Crawford D24/112
5,273,546 A	12/1993	McLaughlin et al.	6,379,332 B1	4/2002	Van Landuyt
5,290,222 A	3/1994	Feng et al.	D458,678 S *	6/2002	Cindrich D24/130
5,290,246 A	3/1994	Yamamoto et al.	D458,994 S *	6/2002	Cindrich D24/130
5,295,969 A	3/1994	Fischell et al.	6,461,362 B1	10/2002	Halseth et al.
5,306,243 A	4/1994	Bonaldo	6,485,473 B1	11/2002	Lynn
5,312,359 A	5/1994	Wallace	6,506,181 B2	1/2003	Meng et al.
5,328,482 A	7/1994	Sircom et al.	D469,870 S *	2/2003	Niermann D24/112
5,330,435 A	7/1994	Vaillancourt	6,565,542 B2	5/2003	Kumar et al.
5,342,315 A	8/1994	Rowe et al.	6,575,960 B2	6/2003	Becker et al.
5,350,363 A	9/1994	Goode et al.	6,595,954 B1	7/2003	Luther et al.
5,352,205 A	10/1994	Dales et al.	6,595,981 B2	7/2003	Huet
5,356,381 A	10/1994	Ensminger et al.	6,616,630 B1	9/2003	Woehr et al.
5,368,029 A	11/1994	Holcombe et al.	6,652,486 B2	11/2003	Bialecki et al.
5,405,323 A	4/1995	Rogers et al.	6,663,592 B2	12/2003	Rhad et al.
5,447,501 A	9/1995	Karlsson et al.	6,689,102 B2	2/2004	Greene
5,456,675 A	10/1995	Wolbring et al.	6,695,814 B2	2/2004	Greene et al.
5,458,658 A	10/1995	Sircom	6,699,221 B2	3/2004	Vaillancourt
5,487,728 A	1/1996	Vaillancourt	6,709,419 B2	3/2004	Woehr
5,509,912 A	4/1996	Vaillancourt et al.	6,719,726 B2	4/2004	Meng et al.
5,520,666 A	5/1996	Choudhury et al.	6,740,063 B2	5/2004	Lynn
5,542,932 A	8/1996	Daugherty	D491,266 S *	6/2004	Cindrich D24/130
			D492,031 S *	6/2004	Cindrich D24/130
			6,749,588 B1	6/2004	Howell et al.
			D492,774 S *	7/2004	Cindrich D24/130
			6,837,884 B2	1/2005	Woloszko

US D837,368 S

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(56)

References Cited

U.S. PATENT DOCUMENTS

6,883,778 B1 4/2005 Newton et al.
7,008,404 B2 3/2006 Nakajima
7,347,839 B2 3/2008 Hiejima
7,396,346 B2 7/2008 Nakajima
7,470,254 B2 12/2008 Basta et al.
D592,302 S * 5/2009 Stokes D24/112
7,670,317 B2 3/2010 Cindrich et al.
7,736,339 B2 6/2010 Woehr et al.
7,905,856 B2 3/2011 McGuckin, Jr. et al.
7,914,494 B2 3/2011 Hiejima
8,066,670 B2 11/2011 Cluff et al.
8,066,675 B2 11/2011 Cindrich et al.
8,070,725 B2 12/2011 Christensen
8,357,119 B2 1/2013 Stout et al.
8,361,020 B2 1/2013 Stout et al.
8,388,583 B2 3/2013 Stout et al.
8,574,203 B2 11/2013 Stout et al.
8,597,252 B2 12/2013 Burkholz et al.
8,641,675 B2 2/2014 Stout et al.
8,679,063 B2 3/2014 Stout et al.
D713,522 S * 9/2014 Woehr D24/112
2001/0053895 A1 12/2001 Vaillancourt
2002/0072712 A1 6/2002 Nool et al.
2002/0177814 A1 11/2002 Meng et al.
2003/0083620 A1 5/2003 Luther et al.
2004/0078003 A1 4/2004 Smith et al.
2004/0092889 A1 5/2004 Ferguson et al.
2004/0102735 A1 5/2004 Moulton et al.
2004/0181192 A1 9/2004 Cuppy
2004/0193112 A1 9/2004 Glazier et al.
2004/0204681 A1 10/2004 Thoresen et al.
2004/0225260 A1 11/2004 Villa et al.
2004/0243060 A1 12/2004 Rossi et al.
2004/0243061 A1 12/2004 McGurk
2005/0273019 A1 12/2005 Conway et al.
2006/0163515 A1 7/2006 Ruschke
2007/0043334 A1 2/2007 Guala
2007/0083157 A1 4/2007 Belley et al.
2007/0083162 A1 4/2007 O'Reagan et al.
2007/0191777 A1 8/2007 King
2007/0225648 A1 9/2007 Winsor et al.
2007/0233007 A1 10/2007 Adams
2008/0039796 A1 2/2008 Nakajima
2008/0108944 A1 5/2008 Woehr et al.
2008/0132832 A1 6/2008 McKinnon et al.
2008/0255473 A1 10/2008 Dalebout et al.
2008/0287906 A1 11/2008 Burkholz et al.
2009/0054845 A1 2/2009 Puhasmagi et al.
2009/0099431 A1 4/2009 Dalebout et al.
2009/0287189 A1 * 11/2009 Suwito A61M 25/0606
604/529
2010/0204648 A1 8/2010 Stout et al.
2010/0204675 A1 8/2010 Woehr et al.

2010/0222746 A1 9/2010 Burkholz
2011/0046570 A1 2/2011 Stout et al.
2011/0054403 A1 * 3/2011 Tanabe A61M 5/158
604/164.01
2011/0130728 A1 6/2011 McKinnon
2012/0016265 A1 1/2012 Peterson et al.
2012/0016307 A1 1/2012 Burkholz et al.
2012/0053523 A1 3/2012 Harding
2013/0090608 A1 4/2013 Stout et al.
2013/0218082 A1 * 8/2013 Hyer A61M 25/0097
604/167.06
2013/0237925 A1 9/2013 Trainer et al.
2014/0046258 A1 2/2014 Stout et al.
2015/0224296 A1 8/2015 Winsor
2017/0120008 A1 * 5/2017 Burkholz A61M 25/0606
2017/0120014 A1 * 5/2017 Harding A61M 25/0606
2017/0216535 A1 * 8/2017 Mao A61M 5/3245
604/272

FOREIGN PATENT DOCUMENTS

CN 102440822 A 5/2012
CN 102716541 A 10/2012
DE 20 2009 009 602 U1 12/2009
EP 0 268 480 A1 5/1988
EP 0 732 120 A1 9/1996
EP 0 812 601 A2 12/1997
EP 0 993 839 A1 4/2000
EP 1 306 097 5/2003
EP 1 679 043 A1 7/2006
EP 1 884 257 A1 2/2008
EP 1 944 049 A1 7/2008
EP 2 044 970 A1 4/2009
EP 2 327 434 A1 6/2011
GB 2508466 A 6/2014
JP 2011045544 3/2011
JP 2011045544 A * 3/2011 A61M 5/158
WO 88/07388 A1 10/1988
WO 97/45151 12/1997
WO 98/42393 A1 10/1998
WO 99/34849 A1 7/1999
WO 01/12254 A1 2/2001
WO 2004/032995 A2 4/2004
WO 2004/098685 A1 11/2004
WO 2006/037638 A1 4/2006
WO 2008/022258 A2 2/2008
WO 2008/045761 A2 4/2008
WO 2008/052790 A2 5/2008
WO 2008/058132 A2 5/2008
WO 2008/058133 A2 5/2008
WO 2009/114833 A1 9/2009
WO 2010/093791 A1 8/2010
WO 2010/111283 9/2010
WO 2010/111285 A1 9/2010
WO 2011/109542 A1 9/2011

* cited by examiner

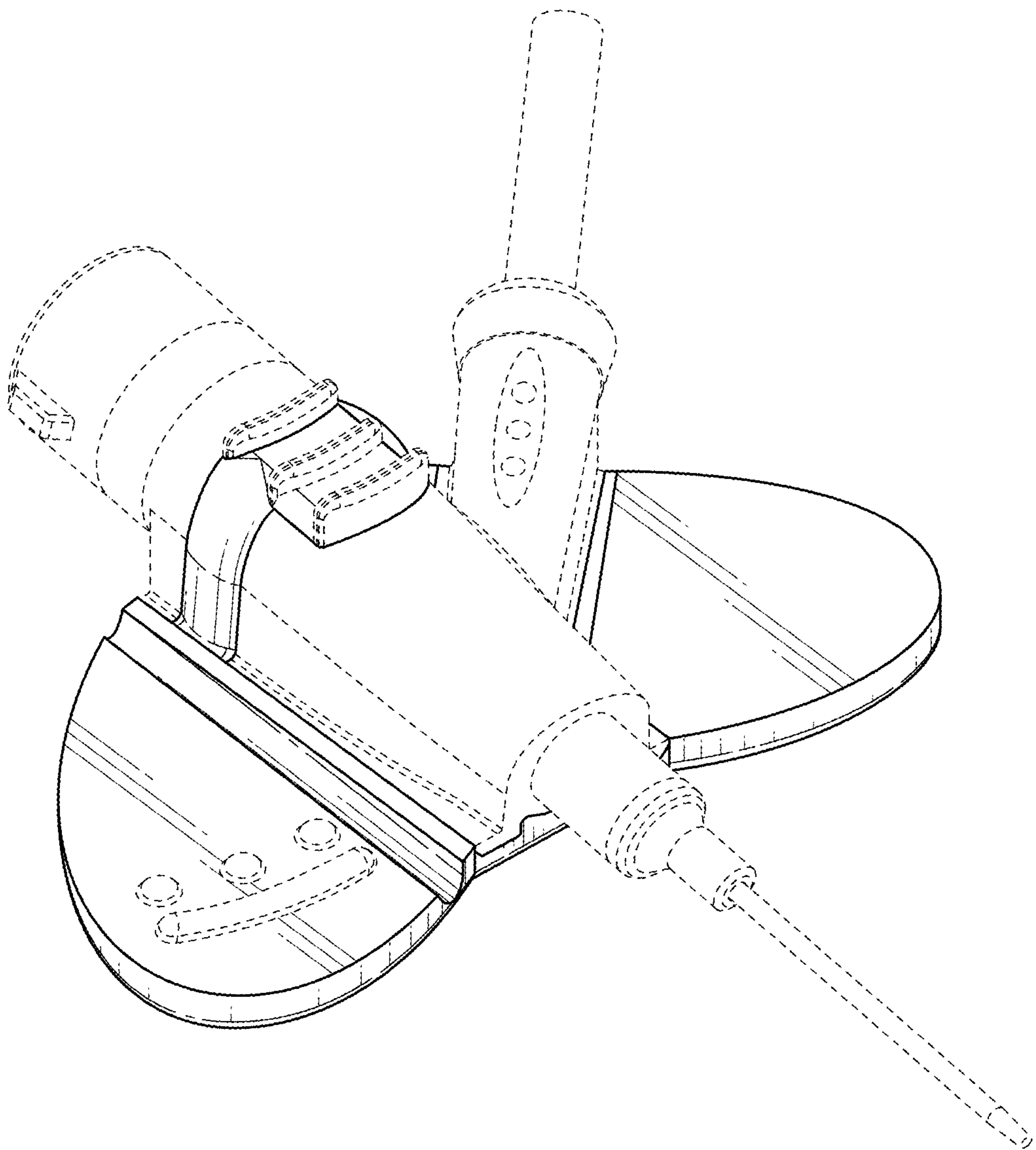


FIG. 1

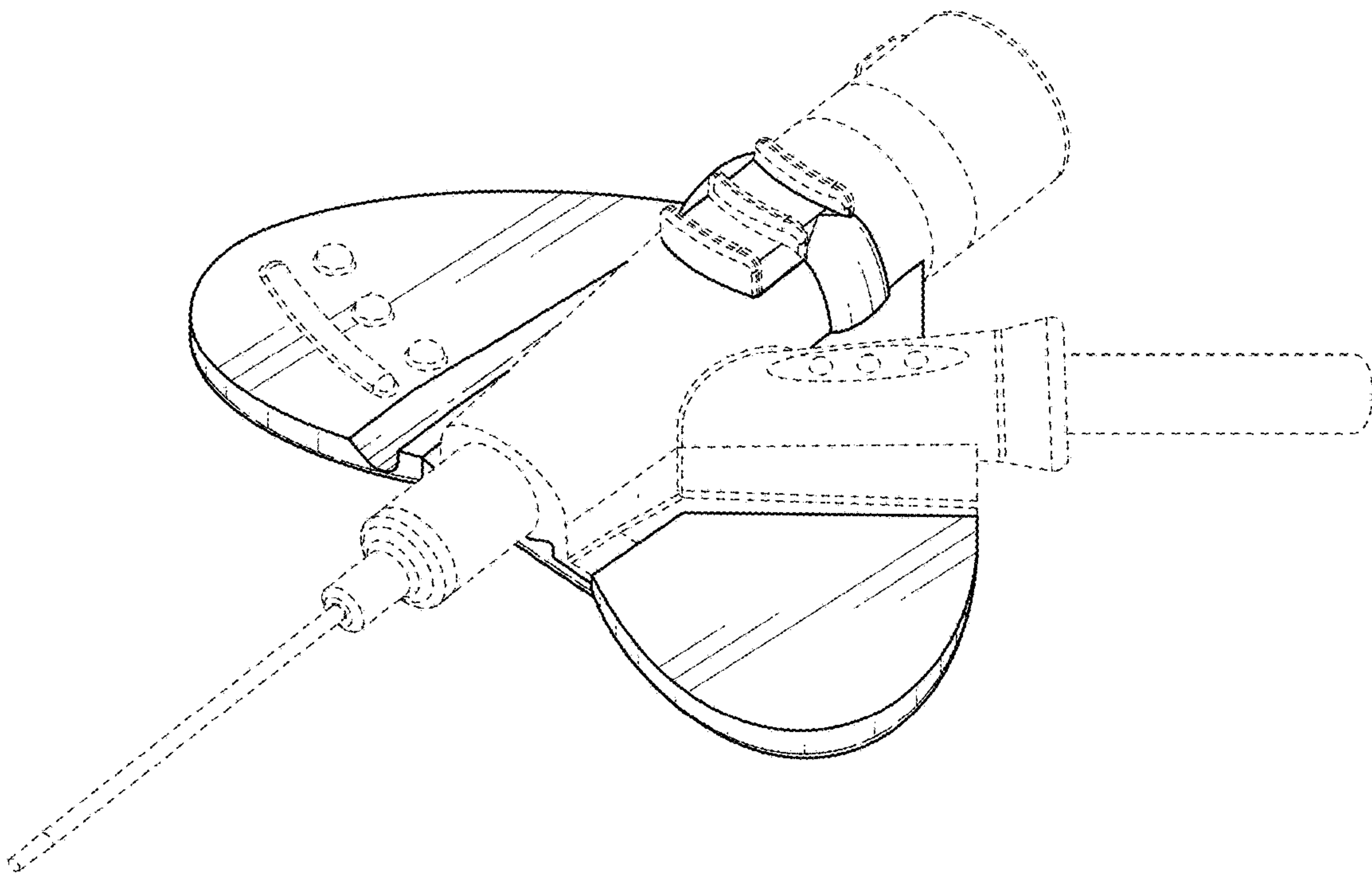


FIG. 2

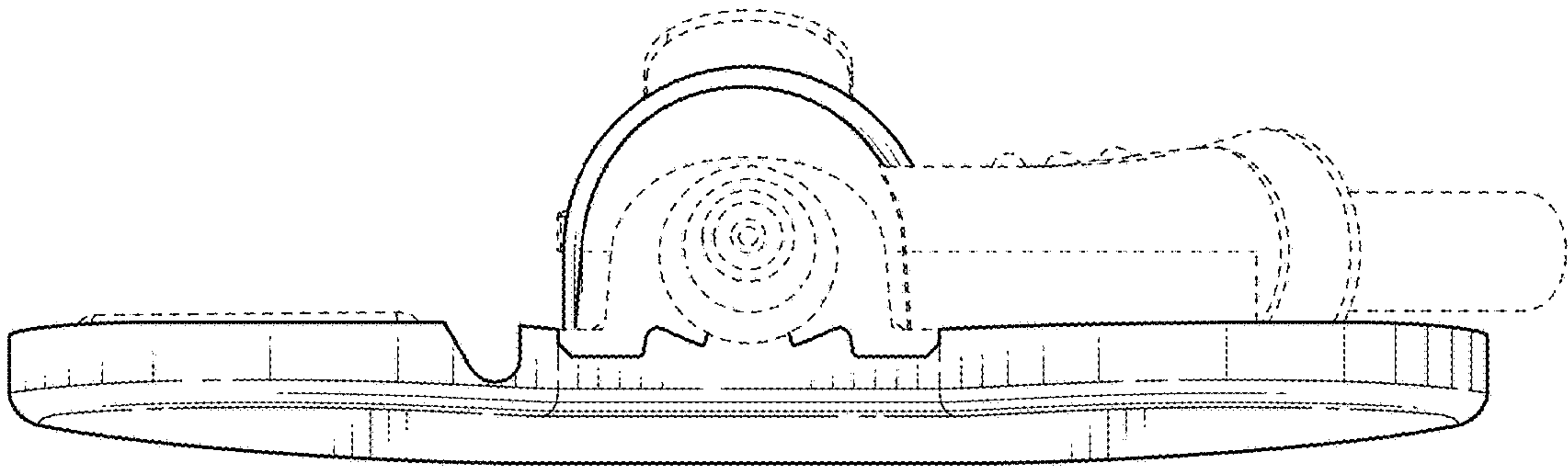


FIG. 3

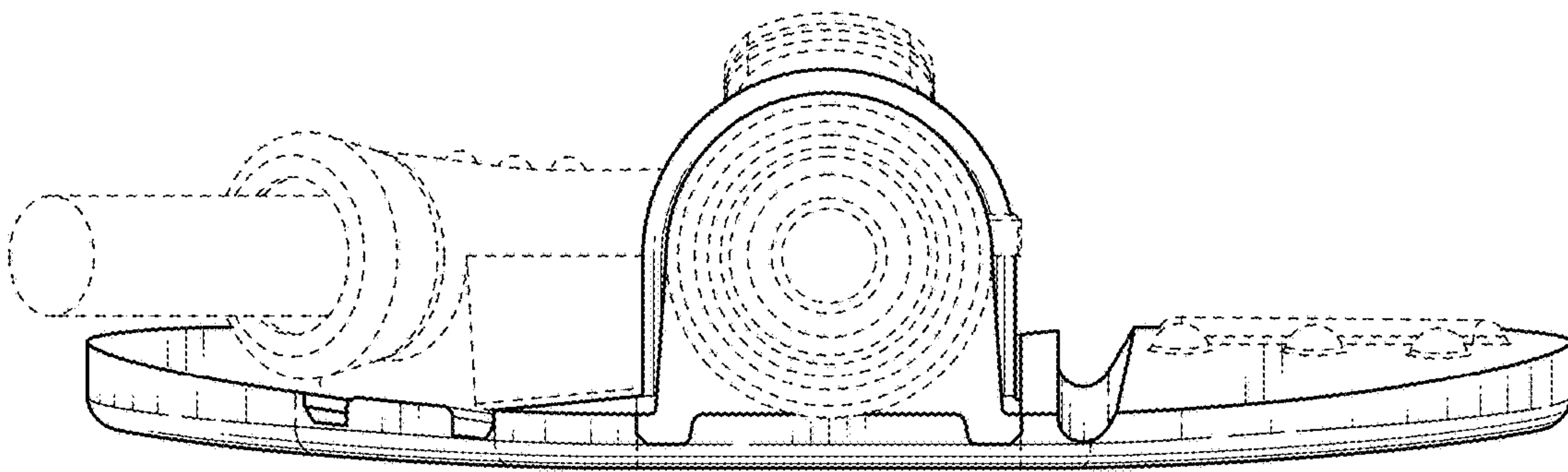


FIG. 4

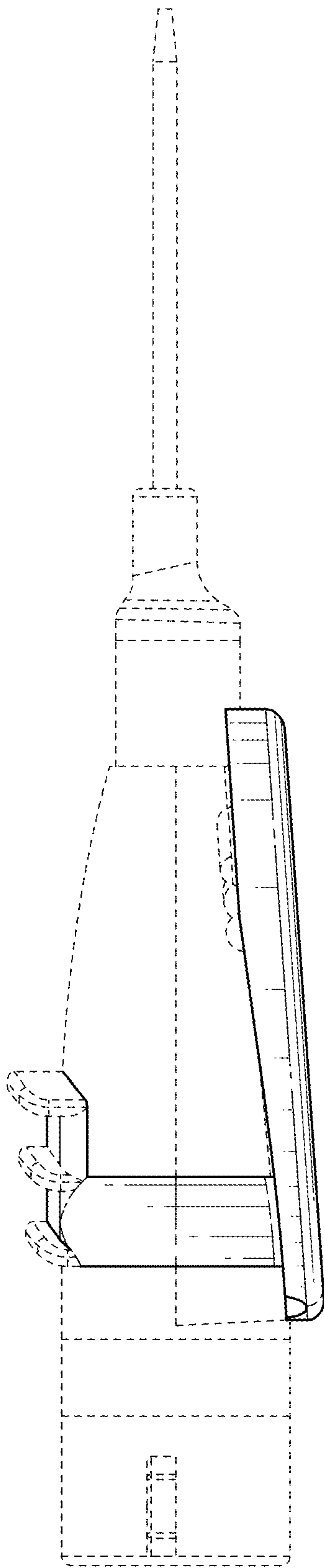


FIG. 5

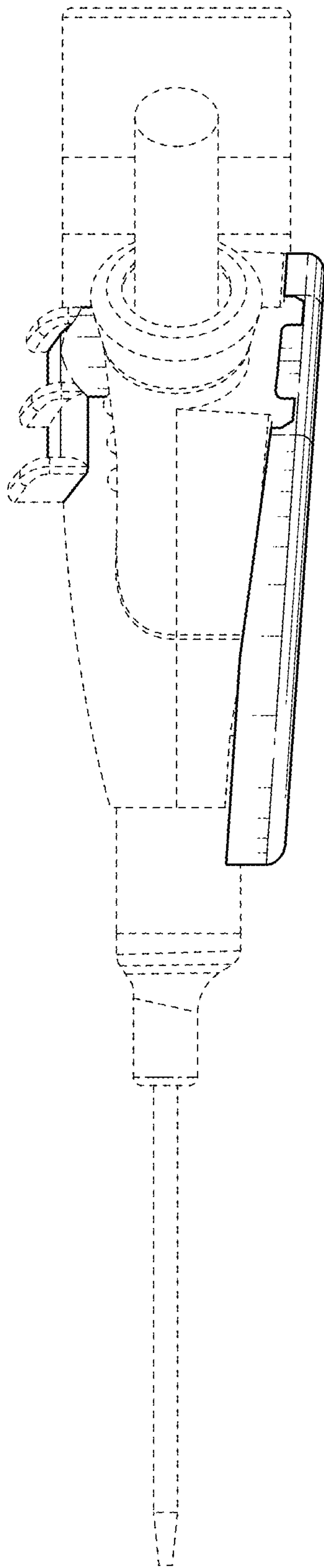


FIG. 6

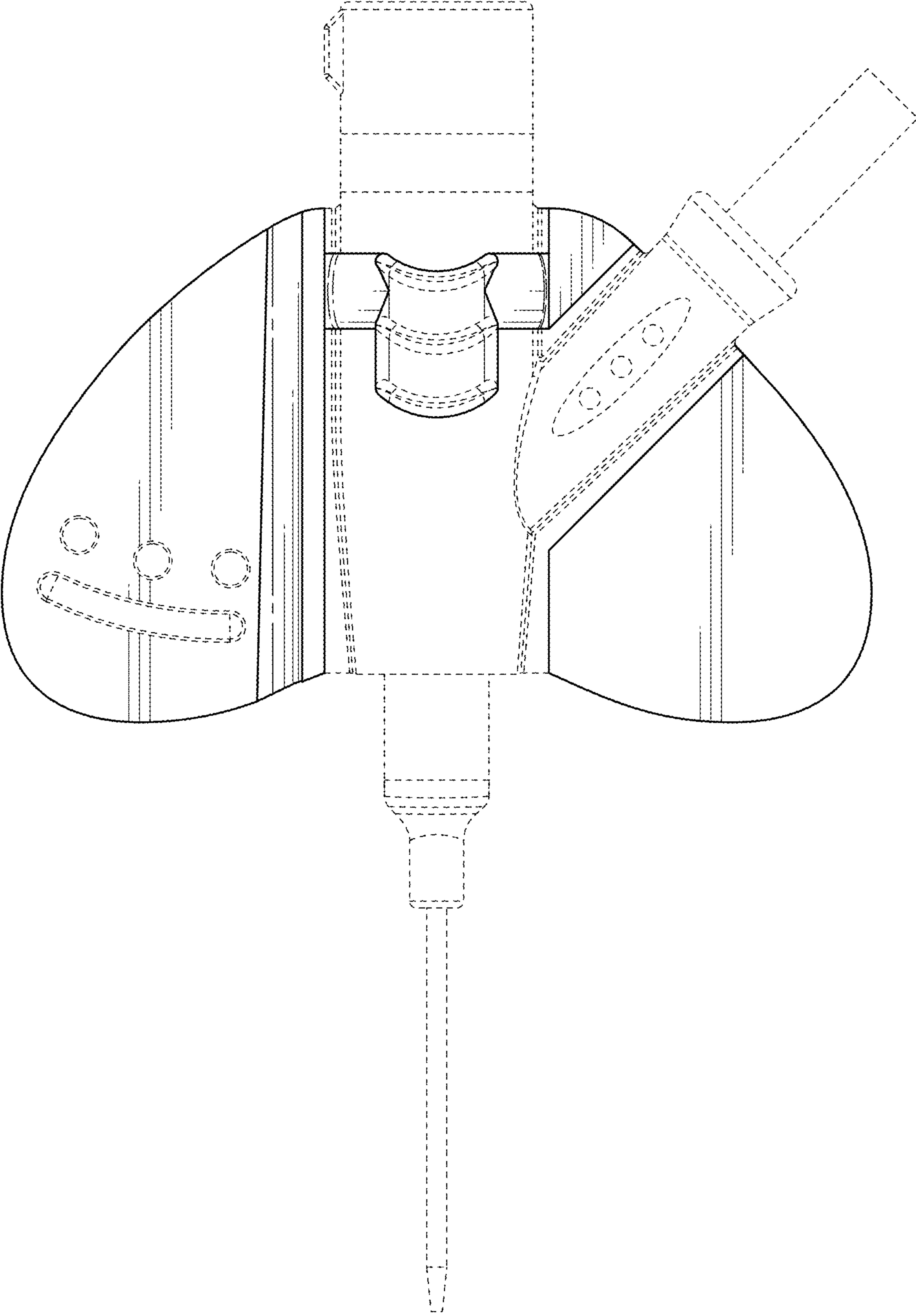


FIG. 7

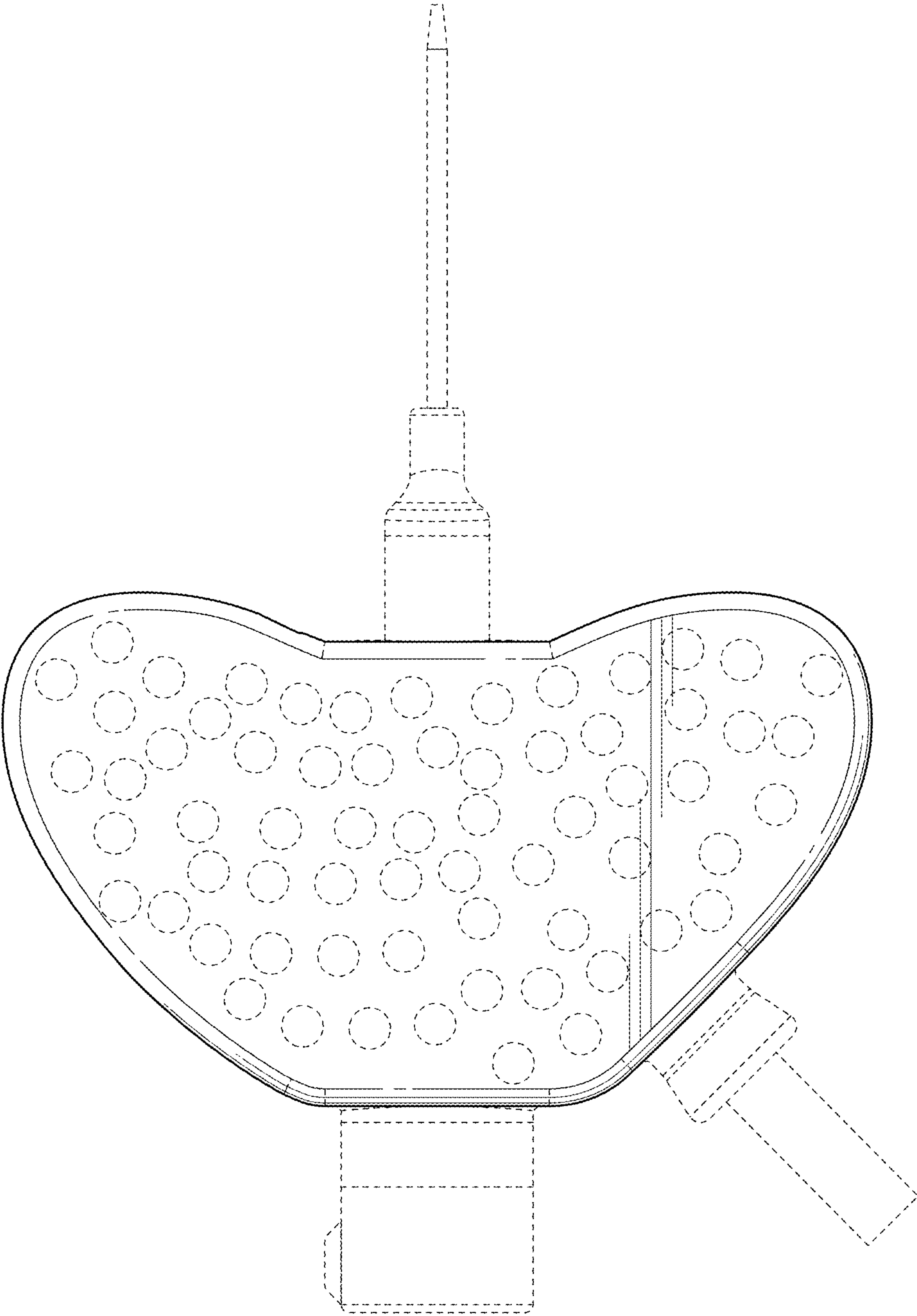


FIG. 8