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

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(54) **CATHETER PLACEMENT DEVICE**

4,354,491 A 10/1982 Marbry
4,417,886 A 11/1983 Frankhouser et al.
4,581,019 A 4/1986 Curelaru et al.

(75) Inventors: **Daniel B. Blanchard**, North Salt Lake, UT (US); **Jay A. Muse**, Centerville, UT (US)

(Continued)

FOREIGN PATENT DOCUMENTS

(73) Assignee: **C. R. Bard, Inc.**, Murray Hill, NJ (US)

CN 102939129 A 2/2013
EP 747075 A2 12/1996

(**) Term: **14 Years**

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OTHER PUBLICATIONS

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Related U.S. Application Data

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Primary Examiner — David Muller

(51) **LOC (10) Cl.** **24-02**

(74) *Attorney, Agent, or Firm* — Rutan & Tucker, LLP

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

USPC **D24/112**

(58) **Field of Classification Search**

USPC D24/112-114, 133, 186, 130, 127;
606/181, 185; 604/264, 272, 115,
604/164.01-164.09, 533, 232, 187, 168.01,
604/192, 19, 48, 93.01, 523, 524, 526;
600/101, 139, 143; 128/200.24,
128/207.14, 207.15

See application file for complete search history.

(57) **CLAIM**

The ornamental design for a catheter placement device, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a first embodiment of a catheter placement device;

FIG. 2 is a top view of the catheter placement device illustrated in FIG. 1;

FIG. 3 is a bottom view of the catheter placement device illustrated in FIG. 1;

FIG. 4 is a first side view of the catheter placement device illustrated in FIG. 1;

FIG. 5 is a second side view of the catheter placement device illustrated in FIG. 1;

FIG. 6 is a front view of the catheter placement device illustrated in FIG. 1; and,

FIG. 7 is a rear view of the catheter placement device illustrated in FIG. 1.

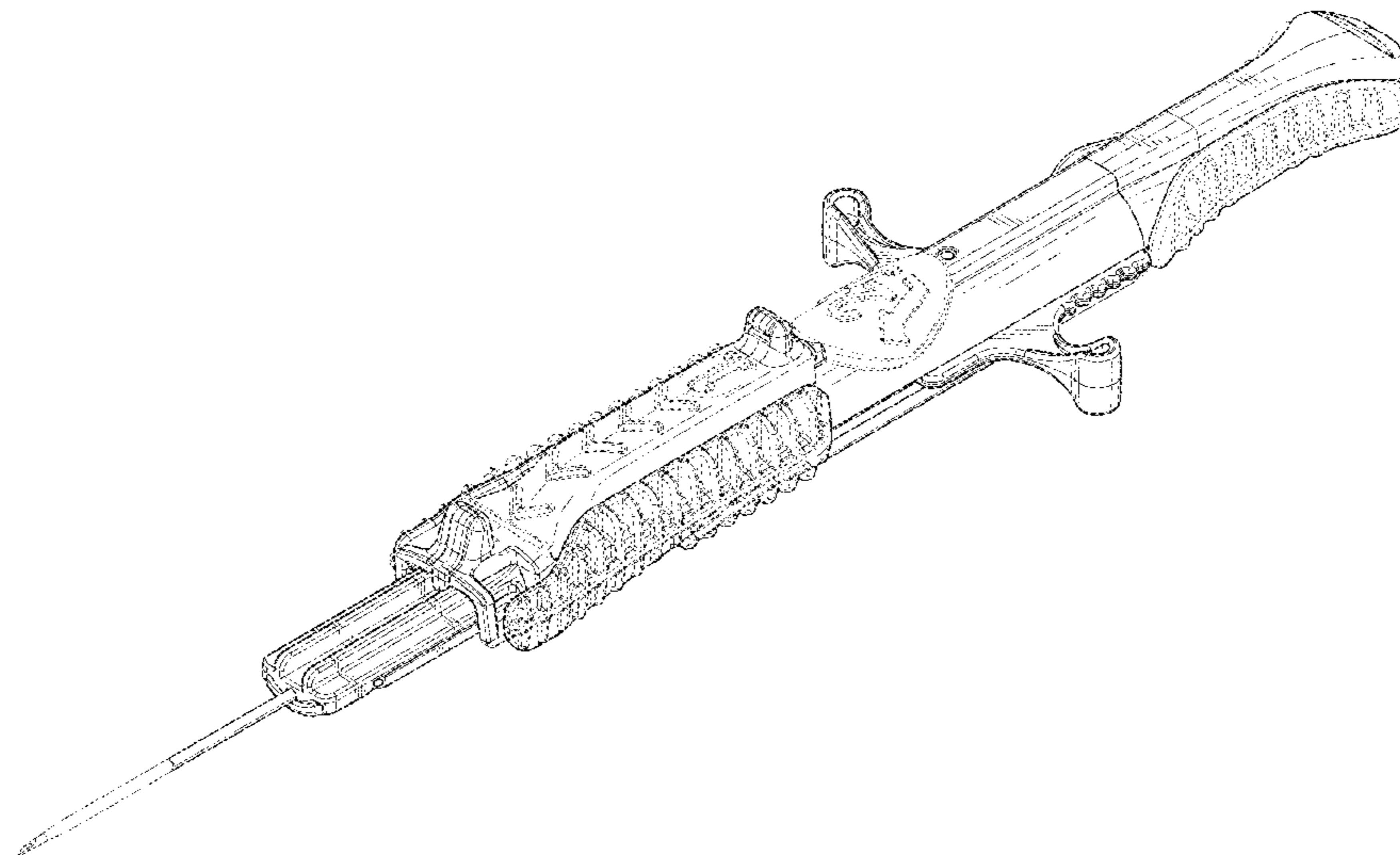
The broken line showing of parts of the drawings is included for the purpose of illustrating use and environment and forms no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,185,151 A 5/1965 Czorny
3,297,030 A 1/1967 Czorny et al.
3,500,828 A 3/1970 Podhora
3,589,361 A 6/1971 Loper et al.
3,592,192 A 7/1971 Harautuneian
3,682,173 A 8/1972 Center
3,921,631 A 11/1975 Thompson
3,995,628 A 12/1976 Gula et al.
4,079,738 A 3/1978 Dunn et al.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D287,877	S *	1/1987	Holewinski et al.	D24/114	5,562,633	A	10/1996	Wozencroft et al.
4,728,322	A	3/1988	Walker et al.		5,569,202	A	10/1996	Kovalic et al.
4,772,267	A	9/1988	Brown		5,569,217	A	10/1996	Luther
4,781,703	A	11/1988	Walker et al.		5,591,194	A	1/1997	Berthiaume
4,792,531	A	12/1988	Kakahana		5,599,291	A	2/1997	Balbierz et al.
4,826,070	A	5/1989	Kakahana		5,613,663	A	3/1997	Schmidt et al.
4,828,547	A	5/1989	Sahi et al.		5,634,475	A	6/1997	Wolvek
4,834,708	A	5/1989	Pillari		5,634,913	A	6/1997	Stinger
4,840,613	A	6/1989	Balbierz		5,651,772	A	7/1997	Arnett
4,840,622	A	6/1989	Hardy		5,674,241	A	10/1997	Bley et al.
4,846,812	A	7/1989	Walker et al.		5,683,368	A	11/1997	Schmidt
4,869,259	A	9/1989	Elkins		5,683,370	A	11/1997	Luther et al.
D304,079	S *	10/1989	McFarlane	D24/112	5,685,855	A	11/1997	Erskine
4,871,358	A	10/1989	Gold		5,685,858	A	11/1997	Kawand
4,883,699	A	11/1989	Aniuk et al.		5,685,860	A	11/1997	Chang et al.
4,894,052	A	1/1990	Crawford		5,688,249	A	11/1997	Chang et al.
4,906,956	A	3/1990	Kakahana		5,702,369	A	12/1997	Mercereau
4,911,691	A	3/1990	Aniuk et al.		5,725,503	A	3/1998	Arnett
4,913,704	A	4/1990	Kurimoto		5,730,150	A	3/1998	Peppel et al.
4,955,863	A	9/1990	Walker et al.		5,738,660	A	4/1998	Luther
4,994,042	A	2/1991	Vadher		5,743,882	A	4/1998	Luther
4,994,047	A	2/1991	Walker et al.		5,743,888	A	4/1998	Wilkes et al.
5,009,642	A	4/1991	Sahi		5,749,371	A	5/1998	Zadini et al.
5,019,048	A	5/1991	Margolin		5,755,693	A	5/1998	Walker et al.
5,019,049	A	5/1991	Haining		5,762,630	A	6/1998	Bley et al.
D318,733	S *	7/1991	Wyzgala	D24/112	5,762,636	A	6/1998	Rupp et al.
5,034,347	A	7/1991	Kakahana		5,765,682	A	6/1998	Bley et al.
5,061,254	A	10/1991	Karakelle et al.		5,807,342	A	9/1998	Musgrave et al.
5,078,694	A	1/1992	Wallace		5,813,411	A	9/1998	Van Bladel et al.
5,093,692	A	3/1992	Su et al.		5,817,069	A	10/1998	Arnett
5,098,395	A	3/1992	Fields		5,827,202	A	10/1998	Miraki et al.
5,108,375	A	4/1992	Harrison et al.		5,839,470	A	11/1998	Hiejima et al.
5,108,376	A	4/1992	Bonaldo		5,846,259	A	12/1998	Berthiaume
5,112,312	A	5/1992	Luther		5,851,196	A	12/1998	Arnett
5,120,317	A	6/1992	Luther		5,853,393	A	12/1998	Bogert
5,125,906	A	6/1992	Fleck		5,855,615	A	1/1999	Bley et al.
5,135,487	A	8/1992	Morrill et al.		5,879,332	A	3/1999	Schwemberger et al.
5,137,515	A	8/1992	Hogan		5,885,251	A	3/1999	Luther
5,149,326	A	9/1992	Woodgrift et al.		5,891,105	A	4/1999	Mahurkar
5,156,596	A	10/1992	Balbierz et al.		5,902,274	A	5/1999	Yamamoto et al.
5,158,544	A	10/1992	Weinstein		5,902,832	A	5/1999	Van Bladel et al.
5,186,168	A	2/1993	Spofford et al.		5,913,848	A	6/1999	Luther et al.
5,186,712	A	2/1993	Kelso et al.		5,916,208	A	6/1999	Luther et al.
5,190,528	A	3/1993	Fonger et al.		5,928,199	A	7/1999	Nakagami
5,192,301	A	3/1993	Kamiya et al.		5,944,690	A	8/1999	Falwell et al.
5,195,974	A	3/1993	Hardy		5,947,930	A	9/1999	Schwemberger et al.
5,215,527	A	6/1993	Beck et al.		5,951,520	A	9/1999	Burzynski et al.
5,217,435	A	6/1993	Kring		5,954,698	A	9/1999	Pike
5,219,335	A	6/1993	Willard et al.		5,957,893	A	9/1999	Luther et al.
5,225,369	A	7/1993	Su et al.		5,964,744	A	10/1999	Balbierz et al.
5,226,899	A	7/1993	Lee et al.		5,997,510	A	12/1999	Schwemberger
D338,955	S *	8/1993	Gresl et al.	D24/130	6,004,294	A	12/1999	Brimhall et al.
5,257,980	A	11/1993	Van Antwerp et al.		6,004,295	A	12/1999	Langer et al.
5,297,546	A	3/1994	Spofford et al.		6,011,988	A	1/2000	Lynch et al.
5,312,361	A	5/1994	Zadini et al.		6,022,319	A	2/2000	Willard et al.
5,352,205	A	10/1994	Dales et al.		6,045,734	A	4/2000	Luther et al.
5,358,796	A	10/1994	Nakamura et al.		6,056,726	A	5/2000	Isacson
5,368,661	A	11/1994	Nakamura et al.		6,066,100	A	5/2000	Willard et al.
5,395,341	A	3/1995	Slater		6,080,137	A	6/2000	Pike
5,397,311	A	3/1995	Walker et al.		6,126,641	A	10/2000	Shields
5,405,323	A	4/1995	Rogers et al.		6,139,532	A	10/2000	Howell et al.
5,415,177	A	5/1995	Zadini et al.		6,176,842	B1	1/2001	Tachibana et al.
5,419,766	A	5/1995	Chang et al.		6,203,527	B1	3/2001	Zadini et al.
5,431,506	A	7/1995	Masunaga		6,213,978	B1	4/2001	Voyten
5,454,785	A	10/1995	Smith		6,228,062	B1	5/2001	Howell et al.
5,458,658	A	10/1995	Sircom		6,228,073	B1	5/2001	Noone et al.
5,480,389	A	1/1996	McWha et al.		6,268,399	B1	7/2001	Hultine et al.
5,482,395	A	1/1996	Gasparini		6,270,480	B1	8/2001	Dorr et al.
5,484,419	A	1/1996	Fleck		6,309,379	B1	10/2001	Willard et al.
5,507,300	A	4/1996	Mukai et al.		6,368,337	B1	4/2002	Kieturakis et al.
5,522,807	A	6/1996	Luther		6,379,333	B1	4/2002	Brimhall et al.
5,531,701	A	7/1996	Luther		D457,955	S *	5/2002	Bilitz D24/133
5,533,988	A	7/1996	Dickerson et al.		D460,179	S *	7/2002	Isoda et al. D24/130
5,554,136	A	9/1996	Luther		6,422,989	B1	7/2002	Hektner
5,562,631	A	10/1996	Bogert		6,451,052	B1	9/2002	Burmeister et al.
					6,461,362	B1	10/2002	Halseth et al.
					6,475,217	B1	11/2002	Platt
					6,478,779	B1	11/2002	Hu
					6,497,681	B1	12/2002	Brenner

(56)

References Cited

U.S. PATENT DOCUMENTS

D471,980 S * 3/2003 Caizza D24/130
 6,527,759 B1 3/2003 Tachibana et al.
 6,540,725 B1 4/2003 Ponzi
 6,544,239 B2 4/2003 Kinsey et al.
 6,547,762 B1 * 4/2003 Botich et al. 604/110
 6,582,402 B1 6/2003 Erskine
 6,595,955 B2 7/2003 Ferguson et al.
 6,626,869 B1 9/2003 Bint
 6,632,201 B1 10/2003 Mathias et al.
 6,638,252 B2 10/2003 Moulton et al.
 6,645,178 B1 11/2003 Junker et al.
 6,652,490 B2 11/2003 Howell
 6,663,592 B2 12/2003 Rhad et al.
 6,666,865 B2 12/2003 Platt
 6,679,900 B2 1/2004 Kieturakis et al.
 6,695,856 B2 2/2004 Kieturakis et al.
 6,695,860 B1 2/2004 Ward et al.
 6,712,790 B1 3/2004 Prestidge et al.
 6,749,588 B1 6/2004 Howell et al.
 6,796,962 B2 9/2004 Ferguson et al.
 6,860,871 B2 3/2005 Kuracina et al.
 6,902,546 B2 6/2005 Ferguson
 6,916,311 B2 7/2005 Vojtasek
 6,953,448 B2 10/2005 Moulton et al.
 6,960,191 B2 11/2005 Howlett et al.
 6,972,002 B2 12/2005 Thorne
 7,001,396 B2 2/2006 Glazier et al.
 7,004,927 B2 2/2006 Ferguson et al.
 7,025,746 B2 4/2006 Tal
 7,141,040 B2 11/2006 Lichtenberg
 7,153,276 B2 12/2006 Barker et al.
 7,179,244 B2 2/2007 Smith et al.
 7,191,900 B2 3/2007 Opie et al.
 7,303,548 B2 12/2007 Rhad et al.
 7,354,422 B2 4/2008 Riesenberger et al.
 7,422,572 B2 9/2008 Popov et al.
 7,458,954 B2 12/2008 Ferguson et al.
 7,494,010 B2 2/2009 Opie et al.
 7,530,965 B2 5/2009 Villa et al.
 7,566,323 B2 7/2009 Chang
 D601,243 S 9/2009 Bierman et al.
 7,611,485 B2 11/2009 Ferguson
 7,618,395 B2 11/2009 Ferguson
 7,654,988 B2 2/2010 Moulton et al.
 7,658,725 B2 2/2010 Bialecki et al.
 D612,043 S * 3/2010 Young et al. D24/112
 D615,197 S * 5/2010 Koh et al. D24/133
 7,722,567 B2 5/2010 Tal
 D617,893 S 6/2010 Bierman et al.
 7,736,339 B2 6/2010 Woehr et al.
 7,753,887 B2 7/2010 Botich et al.
 7,762,993 B2 7/2010 Perez
 7,798,994 B2 9/2010 Brimhall
 7,828,773 B2 11/2010 Swisher et al.
 7,905,857 B2 3/2011 Swisher
 7,922,696 B2 4/2011 Tal et al.
 7,922,698 B2 4/2011 Riesenberger et al.
 7,935,080 B2 5/2011 Howell et al.
 8,029,472 B2 10/2011 Leinsing et al.
 D653,329 S * 1/2012 Lee-Sepsick D24/112
 D667,111 S * 9/2012 Robinson D24/133
 8,273,054 B2 9/2012 St. Germain et al.
 D672,456 S * 12/2012 Lee-Sepsick D24/112
 8,337,471 B2 12/2012 Baid
 2003/0032922 A1 2/2003 Moorehead
 2003/0153874 A1 8/2003 Tal
 2003/0187396 A1 10/2003 Ponzi
 2004/0092879 A1 5/2004 Kraus et al.
 2004/0111059 A1 6/2004 Howlett et al.
 2004/0236288 A1 11/2004 Howell et al.
 2005/0020940 A1 1/2005 Opie et al.
 2005/0040061 A1 2/2005 Opie et al.
 2005/0197623 A1 9/2005 Leefflang et al.
 2005/0245847 A1 11/2005 Schaeffer
 2005/0273057 A1 12/2005 Popov

2006/0229563 A1 10/2006 O'Reagan et al.
 2007/0060999 A1 3/2007 Randall et al.
 2007/0100284 A1 5/2007 Leinsing et al.
 2007/0191777 A1 8/2007 King
 2007/0193903 A1 8/2007 Opie et al.
 2008/0108944 A1 5/2008 Woehr et al.
 2008/0262430 A1 10/2008 Anderson et al.
 2008/0262431 A1 10/2008 Anderson et al.
 2008/0294111 A1 11/2008 Tal et al.
 2008/0300574 A1 12/2008 Belson et al.
 2009/0030380 A1 1/2009 Binmoeller
 2009/0036836 A1 2/2009 Nystrom et al.
 2009/0048566 A1 2/2009 Ferguson et al.
 2009/0131872 A1 5/2009 Popov
 2010/0036331 A1 2/2010 Sen
 2010/0094310 A1 4/2010 Warring et al.
 2010/0168674 A1 7/2010 Shaw et al.
 2010/0204675 A1 8/2010 Woehr et al.
 2010/0210934 A1 8/2010 Belson
 2010/0246707 A1 9/2010 Michelitsch
 2010/0331732 A1 12/2010 Raulerson et al.
 2011/0009827 A1 1/2011 Bierman et al.
 2011/0015573 A1 1/2011 Maan et al.
 2011/0021994 A1 1/2011 Anderson et al.
 2011/0137252 A1 6/2011 Oster et al.
 2011/0251559 A1 10/2011 Tal et al.
 2011/0282285 A1 11/2011 Blanchard et al.
 2011/0288482 A1 11/2011 Farrell et al.
 2011/0306933 A1 12/2011 Djordjevic et al.
 2012/0078231 A1 3/2012 Hoshinouchi
 2012/0123332 A1 5/2012 Erskine
 2012/0184896 A1 7/2012 DeLegge et al.
 2012/0220942 A1 8/2012 Hall et al.
 2012/0220956 A1 8/2012 Kuracina et al.
 2014/0031752 A1 1/2014 Blanchard et al.
 2014/0094774 A1 4/2014 Blanchard

FOREIGN PATENT DOCUMENTS

EP 2569046 A1 3/2013
 JP 2013-529111 7/2013
 WO 0012167 A1 3/2000
 WO 2004106203 A2 12/2000
 WO 0107103 A1 2/2001
 WO 0241932 A2 5/2002
 WO 2005002659 A1 1/2005
 WO 2008030999 A2 3/2008
 WO 2009031161 A1 3/2009
 WO 2009114837 A2 9/2009
 WO 2010015676 A1 2/2010
 WO 2011036574 A1 3/2011
 WO 2011143621 A1 11/2011
 WO 2012154277 A1 11/2012

OTHER PUBLICATIONS

CN 201180029526.7 filed Dec. 14, 2012 First Office Action dated Apr. 21, 2014.
 PCT/US2012/026618 International Preliminary Report on Patentability dated Aug. 27, 2013.
 PCT/US2013/073577 filed Dec. 6, 2013 International Search Report and Written Opinion dated Feb. 24, 2014.
 U.S. Appl. No. 13/107,781, filed May 13, 2011 Final Office Action dated Jul. 18, 2014.
 U.S. Appl. No. 13/107,781, filed May 13, 2011 Non-Final Office Action dated Dec. 30, 2013.
 U.S. Appl. No. 13/405,096, filed Feb. 24, 2012 Advisory Action dated Apr. 18, 2014.
 U.S. Appl. No. 13/405,096, filed Feb. 24, 2012 Final Office Action dated Jan. 31, 2014.
 U.S. Appl. No. 13/405,096, filed Feb. 24, 2012 Non-Final Office Action dated Aug. 20, 2013.
 Access Scientific, The Powerwand® Extended Dwell Catheter Brochure.
 BD Angiocath™ Autoguard™ Shielded IV Catheter Brochure, © 2001.
 BD Medical Systems, I.V. Catheter Family Brochure.

(56)

References Cited

OTHER PUBLICATIONS

BD Saf-T-Intima™ Integrated Safety IV Catheter Brochure, © 2001.
Becton Dickinson, Insyte® AutoGuard™ Shielded I.V. Catheter Brochure, 1998.
Hadaway, Lynn C., A Midline Alternative to Central and Peripheral Venous Access, Caring Magazine, May 1990, pp. 45-50.
Menlo Care, Landmark™ Aquavene® Catheters Brochure, 1992.
Menlo Care, Landmark® Midline Catheter Maintenance and Reference Guide.
Menlo Care, Landmark® Midline Catheters Brochure, 1991.
Menlo Care, Landmark® Venous Access Device Insertion Instructions.
Menlo Care, Publications on Aquavene® Technology, Aug. 1992.
PCT/US2011/036530 filed May 13, 2011 International Search Report dated Oct. 6, 2011.

PCT/US2011/036530 filed May 13, 2011 Written Opinion of the International Searching Authority dated Oct. 6, 2011.
PCT/US2012/026618 International Search Report and Written Opinion dated Jun. 25, 2012.
PR Newswire, Luther Medical Products, Inc. Receives Approval to Supply Improved Neonatal Product to Japan, Aug. 20, 1998.
Rasor, Julia S, Review of Catheter-related infection rates: comparison of conventional catheter materials with Aquavene®, JVAN vol. 1, No. 3, Spring 1991.
Waltimire, B. and Rasor, J.S., Midline catheter: Virtually bloodless insertion technique and needle safety tube minimize potential for transmission of bloodborne disease. Sponsored by national Foundation for Infectious Diseases. 5th National forum on AIDS, Hepatitis, and other blood-borne diseases. Atlanta, GA, Mar. 1992.

* cited by examiner

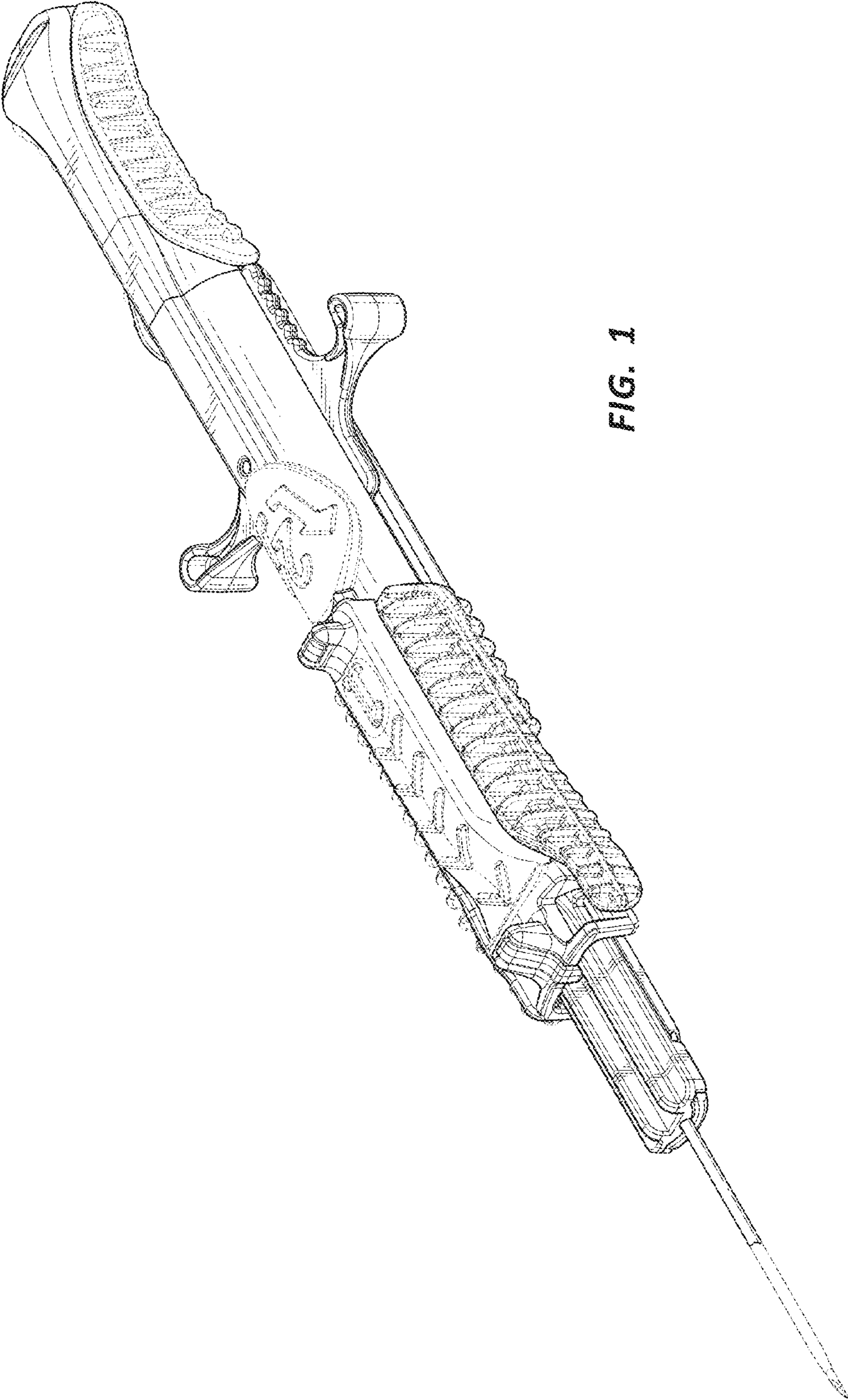


FIG. 1

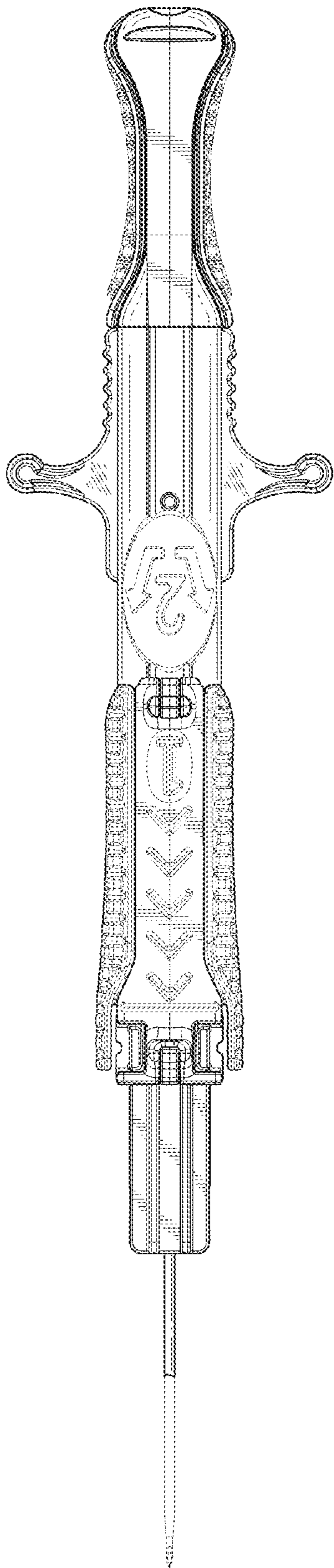


FIG. 2

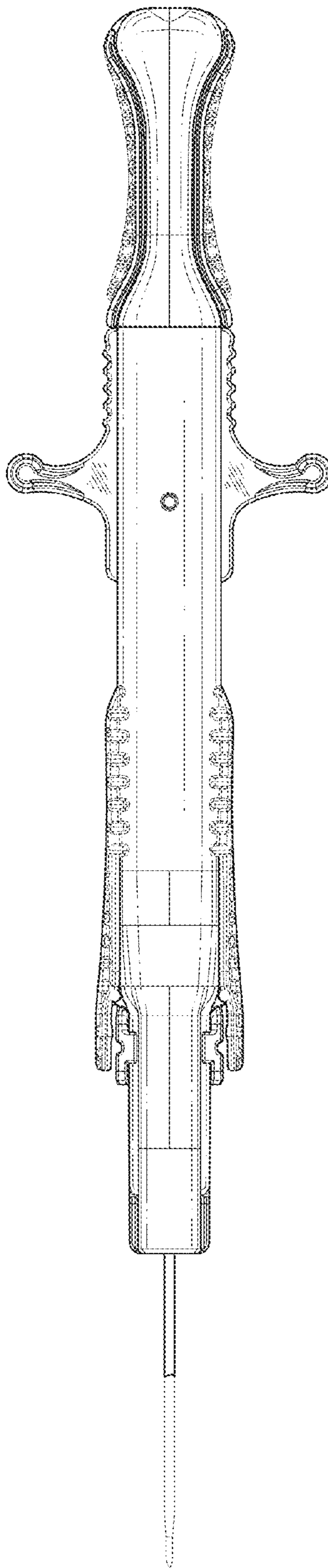


FIG. 3

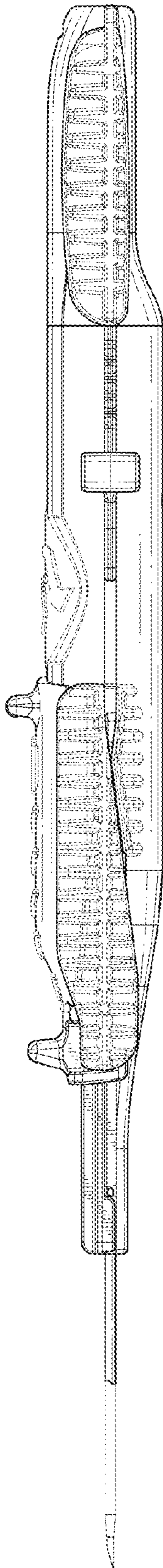


FIG. 4

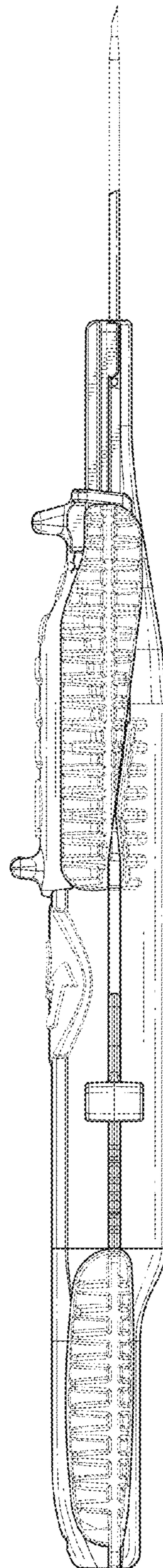


FIG. 5

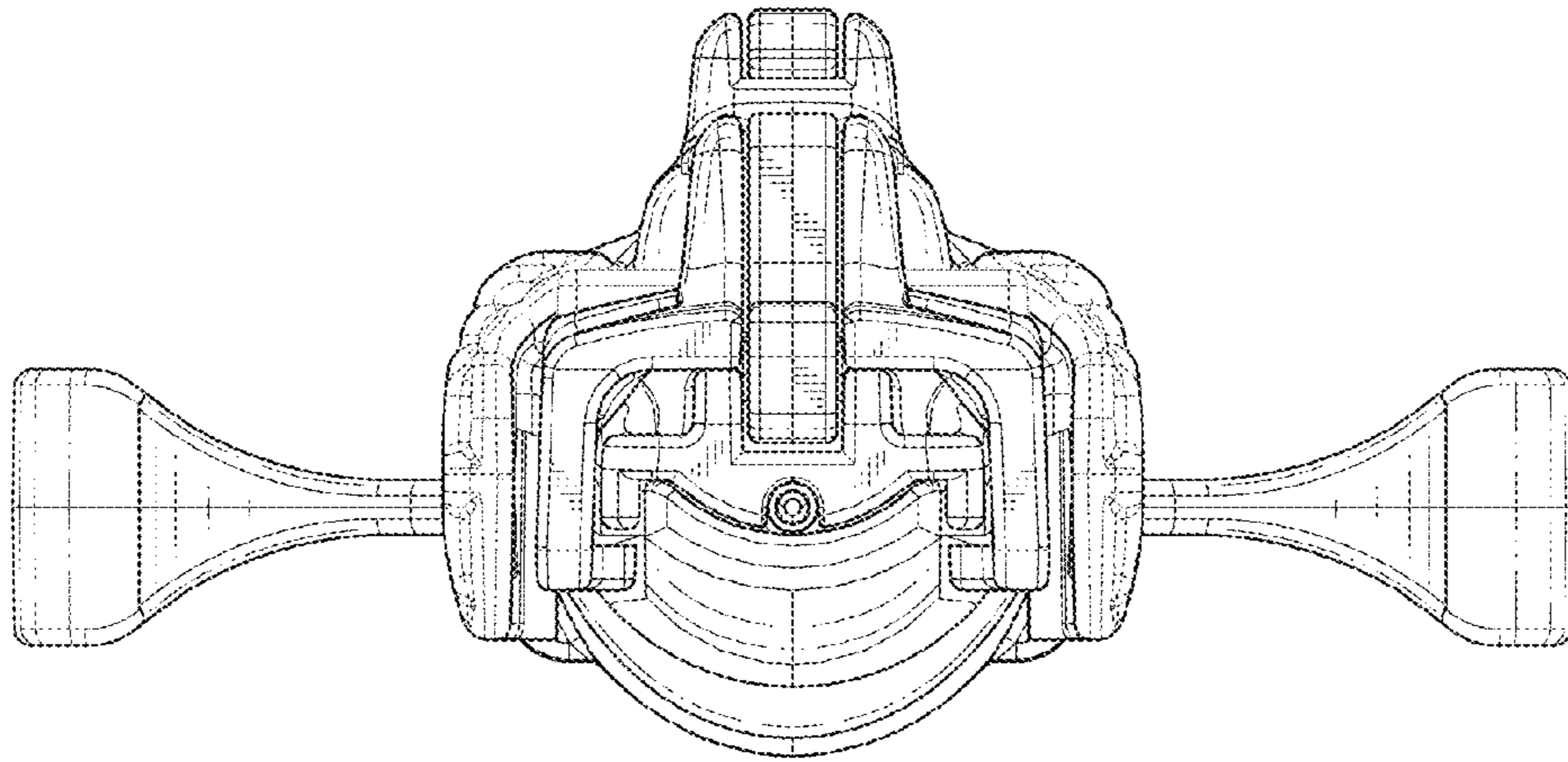


FIG. 6
(Enlarged Scale)

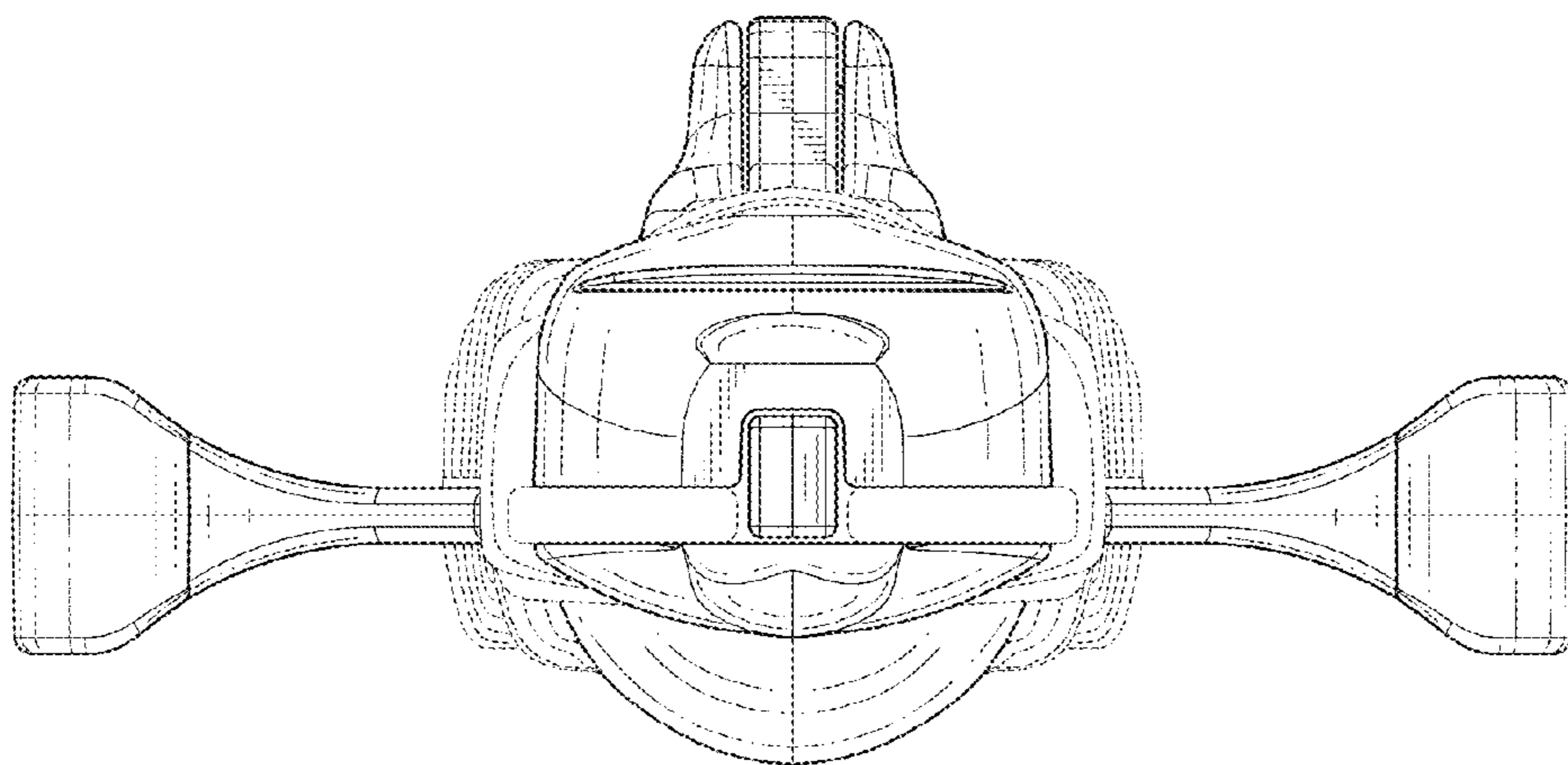


FIG. 7
(Enlarged Scale)