



US00D958366S

(12) **United States Design Patent** (10) **Patent No.:** **US D958,366 S**  
**Blain et al.** (45) **Date of Patent:** **\*\* Jul. 19, 2022**

(54) **INTERBODY BONE IMPLANT**

(71) Applicant: **Spinal Elements, Inc.**, Carlsbad, CA (US)

(72) Inventors: **Jason Blain**, Encinitas, CA (US);  
**Gregory Martin**, Encinitas, CA (US)

(73) Assignee: **Spinal Elements, Inc.**, Carlsbad, CA (US)

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

(21) Appl. No.: **29/797,602**

(22) Filed: **Jul. 1, 2021**

**Related U.S. Application Data**

(60) Continuation of application No. 29/732,354, filed on Apr. 23, 2020, now Pat. No. Des. 926,982, which is a continuation of application No. 29/696,411, filed on Jun. 27, 2019, now Pat. No. Des. 884,896, which is a continuation of application No. 29/665,662, filed on Oct. 5, 2018, now Pat. No. Des. 857,900, which is a continuation of application No. 29/632,794, filed on Jan. 10, 2018, now Pat. No. Des. 834,194, which is a continuation of application No. 29/602,768, filed on May 3, 2017, now Pat. No. Des. 810,942, which is a continuation of application No. 29/562,284, filed on Apr. 25, 2016, now Pat. No. Des. 790,062, which is a continuation of application No. 29/537,496, filed on Aug. 26, 2015, now Pat. No. Des. 765,854, which is a division of application No. 29/404,921, filed on Oct. 26, 2011, now Pat. No. Des. 739,935.

(51) **LOC (13) Cl.** ..... **24-03**

(52) **U.S. Cl.**  
USPC ..... **D24/155**

(58) **Field of Classification Search**  
USPC ..... D24/155  
CPC ..... A61B 17/8061; A61B 17/7059; A61B 17/8052; A61B 17/8605; A61B 17/8085; A61B 17/809; A61B 17/8014; A61B 17/8033; A61B 17/8004; A61B 17/888; A61B 17/842; A61B 17/8023; A61B

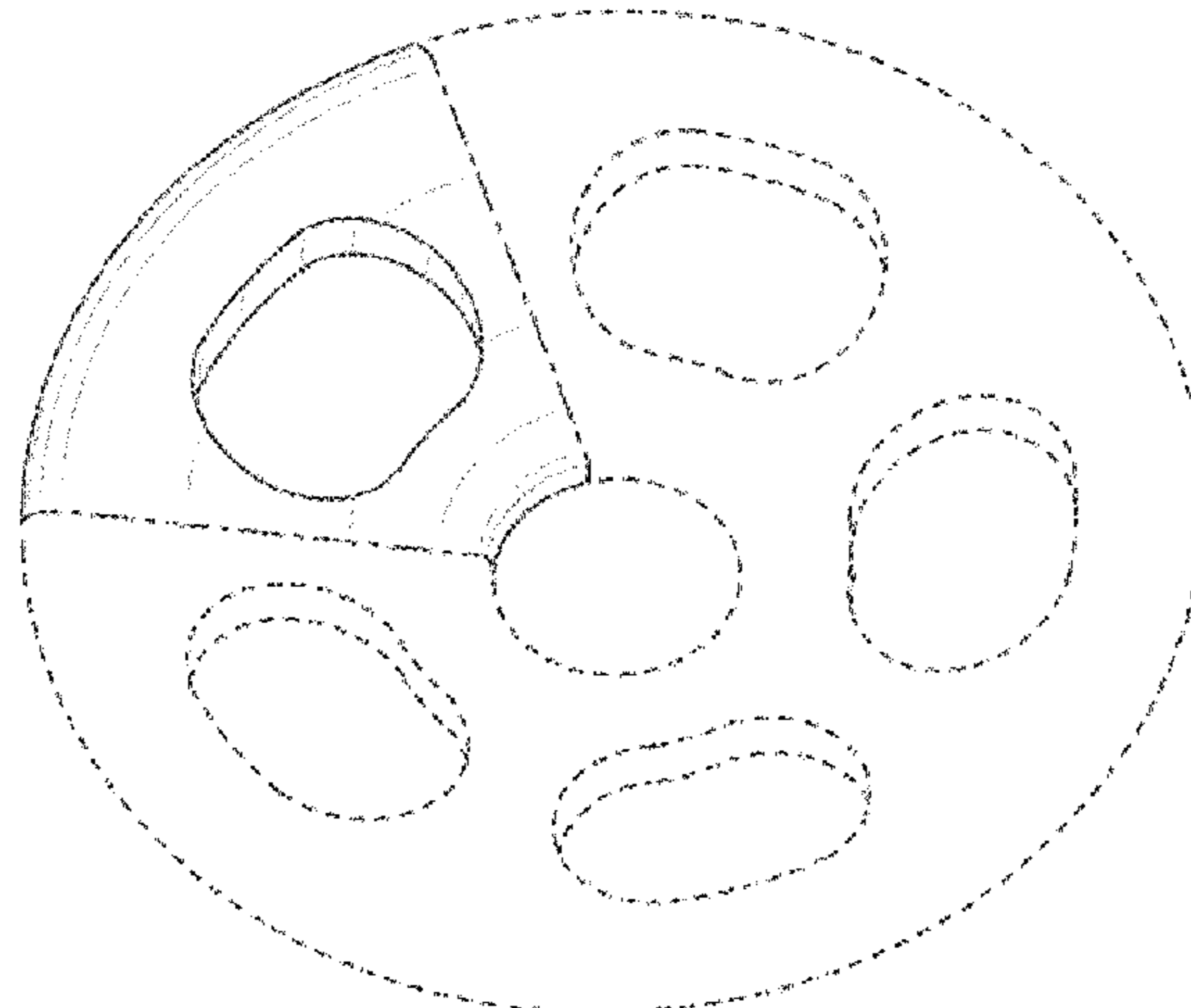
17/8009; A61B 17/86; A61B 17/1739; A61B 17/8066; A61B 17/1671; A61B 17/1757; A61B 17/8071; A61B 17/176

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

86,016 A	1/1869	Howell
1,630,239 A	5/1927	Binkley et al.
1,822,280 A	9/1931	Ervay
1,822,330 A	9/1931	Anslie
2,486,303 A	10/1949	Longfellow
2,706,023 A	4/1955	Merritt
2,967,282 A	1/1961	Schwartz et al.
3,111,945 A	11/1963	Von Solbrig
3,149,808 A	9/1964	Weckesser
3,570,497 A	3/1971	Lemole
3,867,728 A	2/1975	Stubstad et al.
3,875,595 A	4/1975	Froning
3,879,767 A	4/1975	Stubstad
4,001,896 A	1/1977	Arkangel
4,037,603 A	7/1977	Wendorff
4,085,466 A	4/1978	Goodfellow et al.
4,119,091 A	10/1978	Partridge
4,156,296 A	5/1979	Johnson et al.
4,164,793 A	8/1979	Swanson
4,166,292 A	9/1979	Bokros
4,231,121 A	11/1980	Lewis
D261,935 S	11/1981	Halloran
4,312,337 A	1/1982	Donohue
4,323,217 A	4/1982	Dochterman
4,349,921 A	9/1982	Kuntz
4,502,161 A	3/1985	Wall
D279,502 S	7/1985	Halloran
D279,503 S	7/1985	Halloran
4,535,764 A	8/1985	Ebert
4,573,458 A	3/1986	Lower
4,573,459 A	3/1986	Litton
4,634,445 A	1/1987	Helal
4,662,371 A	5/1987	Whipple et al.
4,706,659 A	11/1987	Matthews et al.
4,714,469 A	12/1987	Kenna
4,722,331 A	2/1988	Fox
4,730,615 A	3/1988	Sutherland et al.
4,759,766 A	7/1988	Buettner-Janz et al.
4,759,769 A	7/1988	Hedman et al.
4,772,287 A	9/1988	Ray et al.
4,773,402 A	9/1988	Asher et al.
4,834,757 A	5/1989	Brantigan
4,863,477 A	9/1989	Monson
4,880,429 A	11/1989	Stone



# US D958,366 S

Page 2

4,904,260 A	2/1990	Ray et al.	5,674,296 A	10/1997	Bryan et al.
4,907,577 A	3/1990	Wu	5,676,701 A	10/1997	Yuan et al.
4,911,718 A	3/1990	Lee et al.	5,683,464 A	11/1997	Wagner et al.
4,919,667 A	4/1990	Richmond	5,683,466 A	11/1997	Vitale
4,923,471 A	5/1990	Morgan	5,700,265 A	12/1997	Romano
4,936,848 A	6/1990	Bagby	5,702,450 A	12/1997	Bisserie
4,941,466 A	7/1990	Romano	5,707,373 A	1/1998	Sevrain et al.
4,959,065 A	9/1990	Arnett et al.	5,713,542 A	2/1998	Benoit
4,969,909 A	11/1990	Barouk	5,716,415 A	2/1998	Steffee
5,000,165 A	3/1991	Watanabe	5,725,582 A	3/1998	Bevan et al.
5,002,546 A	3/1991	Romano	5,741,260 A	4/1998	Songer et al.
5,011,484 A	4/1991	Bréard	5,741,261 A	4/1998	Moskovitz et al.
5,015,255 A	5/1991	Kuslich	D395,138 S	6/1998	Ohata
5,047,055 A	9/1991	Bao et al.	5,766,251 A	6/1998	Koshino
5,062,845 A	11/1991	Kuslich	5,766,253 A	6/1998	Brosnahan
5,071,437 A	12/1991	Steffee	5,772,663 A	6/1998	Whiteside et al.
5,092,866 A	3/1992	Breard et al.	5,797,916 A	8/1998	McDowell
5,112,013 A	5/1992	Tolbert et al.	5,824,093 A	10/1998	Ray et al.
5,112,346 A	5/1992	Hiltebrandt et al.	5,824,094 A	10/1998	Serhan et al.
5,127,912 A	7/1992	Ray et al.	5,836,948 A	11/1998	Zucherman et al.
5,135,188 A	8/1992	Anderson et al.	5,851,208 A	12/1998	Trott
5,147,404 A	9/1992	Downey	5,860,977 A	1/1999	Zucherman et al.
5,171,280 A	12/1992	Baumgartner	5,865,846 A	2/1999	Bryan et al.
5,192,326 A	3/1993	Bao et al.	5,868,745 A	2/1999	Alleyne
5,192,327 A	3/1993	Brantigan	5,876,404 A	3/1999	Zucherman et al.
5,209,755 A	5/1993	Abrahan et al.	5,879,396 A	3/1999	Walston et al.
5,258,031 A	11/1993	Salib et al.	5,888,203 A	3/1999	Goldberg
5,282,861 A	2/1994	Kaplan	5,893,889 A	4/1999	Harrington
5,286,249 A	2/1994	Thibodaux	5,895,428 A	4/1999	Berry
5,300,073 A	4/1994	Ray et al.	RE36,221 E	6/1999	Breard et al.
5,306,275 A	4/1994	Bryan	5,918,604 A	7/1999	Whelan
5,306,308 A	4/1994	Gross et al.	5,951,555 A	9/1999	Rehak et al.
5,306,309 A	4/1994	Wagner et al.	5,964,765 A	10/1999	Fenton et al.
5,326,364 A	7/1994	Clift, Jr. et al.	5,993,452 A	11/1999	Vandewalle
5,330,479 A	7/1994	Whitmore	5,997,542 A	12/1999	Burke
5,360,431 A	11/1994	Puno et al.	6,001,130 A	12/1999	Bryan et al.
5,368,596 A	11/1994	Burkhart	6,014,588 A	1/2000	Fitz
5,370,697 A	12/1994	Baumgartner	6,019,763 A	2/2000	Nakamura et al.
5,372,598 A	12/1994	Luhr et al.	6,019,792 A	2/2000	Cauthen
5,400,784 A	3/1995	Durand et al.	6,039,763 A	3/2000	Shelokov
5,401,269 A	3/1995	Buttner-Janz et al.	6,048,342 A	4/2000	Zucherman et al.
5,413,576 A	5/1995	Rivard	6,050,998 A	4/2000	Fletcher
5,415,661 A	5/1995	Holmes	6,063,121 A	5/2000	Xavier et al.
5,425,773 A	6/1995	Boyd et al.	6,066,325 A	5/2000	Wallace et al.
5,437,672 A	8/1995	Alleyne	6,068,630 A	5/2000	Zucherman et al.
5,445,639 A	8/1995	Kuslich et al.	RE36,758 E	6/2000	Fitz
5,458,642 A	10/1995	Beer et al.	6,080,157 A	6/2000	Cathro et al.
5,458,643 A	10/1995	Oka et al.	6,099,531 A	8/2000	Bonutti
5,462,542 A	10/1995	Alesi, Jr.	6,102,347 A	8/2000	Benoit
5,487,756 A	1/1996	Kallesoe et al.	6,106,558 A	8/2000	Picha
5,491,882 A	2/1996	Walston et al.	6,113,637 A	9/2000	Gill et al.
5,496,142 A	3/1996	Fodor et al.	6,132,464 A	10/2000	Martin
5,496,318 A	3/1996	Howland et al.	6,132,465 A	10/2000	Ray et al.
5,507,823 A	4/1996	Walston et al.	6,146,422 A	11/2000	Lawson
5,509,918 A	4/1996	Romano	6,156,067 A	12/2000	Bryan et al.
5,514,180 A	5/1996	Heggeness et al.	6,179,839 B1	1/2001	Weiss et al.
5,527,312 A	6/1996	Ray	D439,340 S	3/2001	Michelson
5,527,314 A	6/1996	Brumfield et al.	6,200,322 B1	3/2001	Branch et al.
5,534,028 A	7/1996	Bao et al.	6,293,949 B1	9/2001	Justis et al.
5,534,030 A	7/1996	Navarro et al.	D450,122 S	11/2001	Michelson
5,540,706 A	7/1996	Aust et al.	6,325,803 B1	12/2001	Schumacher et al.
5,545,229 A	8/1996	Parsons et al.	D454,953 S	3/2002	Michelson
5,549,619 A	8/1996	Peters et al.	6,368,325 B1	4/2002	McKinley et al.
5,556,431 A	9/1996	Buttner-Janz	6,368,350 B1	4/2002	Erickson et al.
5,562,738 A	10/1996	Boyd et al.	6,371,958 B1	4/2002	Overaker
5,571,105 A	11/1996	Gundolf	6,375,573 B2	4/2002	Romano
5,571,131 A	11/1996	Ek et al.	6,379,386 B1	4/2002	Resch et al.
5,571,189 A	11/1996	Kuslich	6,409,765 B1	6/2002	Bianchi et al.
5,571,191 A	11/1996	Fitz	D460,188 S	7/2002	Michelson
5,577,995 A	11/1996	Walker et al.	D460,189 S	7/2002	Michelson
5,586,989 A	12/1996	Bray, Jr.	6,419,678 B1	7/2002	Asfora
5,591,165 A	1/1997	Jackson	6,419,703 B1	7/2002	Fallin et al.
5,603,713 A	2/1997	Aust et al.	6,436,099 B1	8/2002	Drewry et al.
5,638,700 A	6/1997	Shechter	6,436,101 B1	8/2002	Hamada et al.
5,645,597 A	7/1997	Krapiva	6,436,146 B1	8/2002	Hassler et al.
5,645,599 A	7/1997	Samani	D463,560 S	9/2002	Michelson
5,649,947 A	7/1997	Auerbach et al.	6,447,544 B1	9/2002	Michelson
5,653,762 A	8/1997	Pisharodi	6,470,207 B1	10/2002	Simon et al.
5,674,295 A	10/1997	Ray et al.	6,565,605 B2	5/2003	Goble et al.

# US D958,366 S

6,572,617 B1	6/2003	Senegas	8,858,597 B2	10/2014	Blain
6,579,318 B2	6/2003	Varga et al.	8,882,804 B2	11/2014	Blain
6,579,319 B2	6/2003	Goble et al.	8,961,613 B2	2/2015	Assell et al.
6,589,244 B1	7/2003	Sevrain et al.	D724,733 S *	3/2015	Blain ..... D24/155
6,600,956 B2	7/2003	Maschino et al.	8,974,456 B2	3/2015	Allen et al.
6,607,530 B1	8/2003	Carl et al.	8,979,529 B2	3/2015	Marcus
6,610,091 B1	8/2003	Ley	8,992,533 B2	3/2015	Blain et al.
D479,331 S	9/2003	Pike et al.	8,998,953 B2	4/2015	Blain
6,626,944 B1	9/2003	Taylor	9,017,389 B2	4/2015	Assell et al.
6,641,614 B1	11/2003	Wagner et al.	9,060,787 B2	6/2015	Blain et al.
6,656,178 B1	12/2003	Veldhuizen et al.	9,101,410 B1	8/2015	Urrea
6,656,195 B2	12/2003	Peters et al.	D739,935 S *	9/2015	Blain ..... D24/155
6,669,697 B1	12/2003	Pisharodi	9,149,283 B2	10/2015	Assell et al.
6,669,729 B2	12/2003	Chin	9,161,763 B2	10/2015	Assell et al.
6,679,914 B1	1/2004	Gabbay	9,179,943 B2	11/2015	Blain
6,706,068 B2	3/2004	Ferree	9,220,547 B2	12/2015	Blain et al.
6,743,232 B2	6/2004	Overaker et al.	D748,262 S *	1/2016	Blain ..... D24/155
6,761,720 B1	7/2004	Senegas	9,233,006 B2	1/2016	Assell et al.
6,764,491 B2	7/2004	Frey et al.	D748,793 S *	2/2016	Blain ..... D24/155
6,770,095 B2	8/2004	Grinberg et al.	9,265,546 B2	2/2016	Blain
6,783,527 B2	8/2004	Drewry et al.	9,271,765 B2	3/2016	Blain
6,790,210 B1	9/2004	Cragg et al.	9,301,786 B2	4/2016	Blain
6,802,863 B2	10/2004	Lawson et al.	9,314,277 B2	4/2016	Assell et al.
6,811,567 B2	11/2004	Reiley	9,345,488 B2	5/2016	Assell et al.
6,902,566 B2	6/2005	Zucherman et al.	9,421,044 B2	8/2016	Blain et al.
6,908,484 B2	6/2005	Zubok et al.	D765,853 S	9/2016	Blain et al.
6,966,930 B2	11/2005	Arnin et al.	D765,854 S *	9/2016	Blain ..... D24/155
6,974,478 B2	12/2005	Reiley et al.	9,456,855 B2	10/2016	Blain et al.
6,974,479 B2	12/2005	Trieu	9,517,077 B2	12/2016	Blain et al.
7,004,971 B2	2/2006	Serhan et al.	D777,921 S *	1/2017	Blain ..... D24/155
D517,404 S	3/2006	Schluter	D780,315 S	2/2017	Blain et al.
7,008,429 B2	3/2006	Golobek	9,572,602 B2	2/2017	Blain et al.
7,013,675 B2	3/2006	Marquez-Pickering	9,615,861 B2	4/2017	Perez-Cruet et al.
7,051,451 B2	5/2006	Augostino et al.	D790,062 S *	6/2017	Blain ..... D24/155
7,074,238 B2	7/2006	Stinson et al.	9,675,387 B2	6/2017	Blain
7,101,375 B2	9/2006	Zucherman et al.	9,743,937 B2	8/2017	Blain et al.
7,223,269 B2	5/2007	Chappuis	9,808,294 B2	11/2017	Blain
D565,180 S	3/2008	Schluter	9,820,784 B2	11/2017	Blain et al.
7,371,238 B2	5/2008	Sololeski et al.	9,839,450 B2	12/2017	Blain et al.
7,458,981 B2	12/2008	Fielding et al.	D810,942 S *	2/2018	Blain ..... D24/155
7,517,358 B2	4/2009	Petersen	D812,754 S	3/2018	Blain et al.
7,537,611 B2	5/2009	Lee	9,936,984 B2	4/2018	Blain
7,559,940 B2	7/2009	McGuire et al.	10,022,161 B2	7/2018	Blain
7,563,286 B2	7/2009	Gerber et al.	10,085,776 B2	10/2018	Blain
7,585,300 B2	9/2009	Cha	D834,194 S *	11/2018	Blain ..... D24/155
7,608,104 B2	10/2009	Yuan et al.	10,194,955 B2	2/2019	Blain et al.
7,695,472 B2	4/2010	Young	10,251,679 B2	4/2019	Blain et al.
7,799,077 B2	9/2010	Lang et al.	D857,900 S *	8/2019	Blain ..... D24/155
7,806,895 B2	10/2010	Weier et al.	10,368,921 B2	8/2019	Blain
7,846,183 B2	12/2010	Blain	10,426,524 B2	10/2019	Blain
7,862,590 B2	1/2011	Lim et al.	10,624,680 B2	4/2020	Blain
7,935,136 B2	5/2011	Alamin et al.	D884,896 S *	5/2020	Blain ..... D24/155
D643,121 S	8/2011	Milford et al.	10,758,361 B2	9/2020	Blain
7,993,370 B2	8/2011	Jahng	D926,982 S *	8/2021	Blain ..... D24/155
7,998,172 B2	8/2011	Blain	2001/0018614 A1	8/2001	Bianchi
8,052,728 B2	11/2011	Hestad	2002/0018799 A1	2/2002	Spector et al.
8,109,971 B2	2/2012	Hale	2002/0019637 A1	2/2002	Frey et al.
8,133,225 B2	3/2012	Pieske	2002/0029039 A1	3/2002	Zucherman et al.
8,163,016 B2	4/2012	Linares	2002/0040227 A1	4/2002	Harari
8,172,877 B2	5/2012	Winslow et al.	2002/0065557 A1	5/2002	Goble et al.
8,177,810 B2	5/2012	Ferree	2002/0072800 A1	6/2002	Goble et al.
8,192,468 B2	6/2012	Biedermann et al.	2002/0077700 A1	6/2002	Varga et al.
8,216,275 B2	7/2012	Fielding et al.	2002/0086047 A1	7/2002	Mueller et al.
8,231,661 B2	7/2012	Carls	2002/0120335 A1	8/2002	Angelucci et al.
8,246,655 B2	8/2012	Jackson et al.	2002/0123806 A1	9/2002	Reiley
8,267,966 B2	9/2012	McCormack et al.	2002/0138077 A1	9/2002	Ferree
8,292,954 B2	10/2012	Robinson et al.	2002/0151895 A1	10/2002	Soboleski et al.
8,306,307 B2	11/2012	Koike et al.	2002/0173800 A1	11/2002	Dreyfuss et al.
8,382,801 B2	2/2013	Lamborne et al.	2002/0173813 A1	11/2002	Peterson et al.
8,394,125 B2	3/2013	Assell	2002/0198527 A1	12/2002	Muckter
8,460,346 B2	6/2013	Ralph et al.	2003/0004572 A1	1/2003	Goble
8,486,078 B2	7/2013	Carl et al.	2003/0028250 A1	2/2003	Reiley et al.
8,496,691 B2	7/2013	Blain	2003/0040797 A1	2/2003	Fallin et al.
8,579,903 B2	11/2013	Carl	2003/0093152 A1	5/2003	Pedersen et al.
8,652,137 B2	2/2014	Blain et al.	2003/0093154 A1	5/2003	Estes et al.
8,740,942 B2	6/2014	Blain	2003/0120343 A1	6/2003	Whelan
8,740,949 B2	6/2014	Blain	2003/0176919 A1	9/2003	Schmieding
8,753,345 B2	6/2014	McCormack et al.	2003/0176922 A1	9/2003	Lawson et al.
8,784,423 B2	7/2014	Kowarsch et al.	2003/0187454 A1	10/2003	Gill et al.

# US D958,366 S

2003/0191532 A1	10/2003	Goble et al.	2008/0161853 A1	7/2008	Arnold et al.
2003/0204259 A1	10/2003	Goble et al.	2008/0177264 A1	7/2008	Alamin et al.
2003/0216669 A1	11/2003	Lang et al.	2008/0177326 A1	7/2008	Thompson
2003/0233146 A1	12/2003	Grinberg et al.	2008/0183209 A1	7/2008	Robinson et al.
2004/0006391 A1	1/2004	Reiley	2008/0183211 A1	7/2008	Lamborne et al.
2004/0010318 A1	1/2004	Ferree	2008/0228225 A1	9/2008	Trautwein et al.
2004/0024462 A1	2/2004	Ferree et al.	2008/0255664 A1	10/2008	Hogendijk et al.
2004/0049271 A1	3/2004	Biedermann et al.	2008/0262549 A1	10/2008	Bennett et al.
2004/0049272 A1	3/2004	Reiley	2008/0287996 A1	11/2008	Soholeski et al.
2004/0049273 A1	3/2004	Reiley	2009/0005818 A1	1/2009	Chin et al.
2004/0049274 A1	3/2004	Reiley	2009/0005873 A1	1/2009	Slivka et al.
2004/0049275 A1	3/2004	Reiley	2009/0018662 A1	1/2009	Pasquet et al.
2004/0049276 A1	3/2004	Reiley	2009/0024166 A1	1/2009	Carl et al.
2004/0049277 A1	3/2004	Reiley	2009/0036926 A1	2/2009	Hestad
2004/0049278 A1	3/2004	Reiley	2009/0072006 A1	3/2009	Clauson et al.
2004/0049281 A1	3/2004	Reiley	2009/0076617 A1	3/2009	Ralph et al.
2004/0059429 A1	3/2004	Amin et al.	2009/0105766 A1	4/2009	Thompson et al.
2004/0087954 A1	5/2004	Allen et al.	2009/0125066 A1	5/2009	Kraus et al.
2004/0116927 A1	6/2004	Graf	2009/0138048 A1	5/2009	Baccelli et al.
2004/0127989 A1	7/2004	Dooris et al.	2009/0171360 A1	7/2009	Whelan
2004/0143264 A1	7/2004	McAfee	2009/0198282 A1	8/2009	Fielding et al.
2004/0176844 A1	9/2004	Zubok et al.	2009/0248077 A1	10/2009	Johns
2004/0195727 A1	10/2004	Stoy	2009/0248082 A1	10/2009	Crook et al.
2004/0199166 A1	10/2004	Schmieding et al.	2009/0264928 A1	10/2009	Blain
2004/0215341 A1	10/2004	Sybert et al.	2009/0264929 A1	10/2009	Alamin et al.
2004/0230201 A1	11/2004	Yuan et al.	2009/0270918 A1	10/2009	Attia et al.
2004/0230304 A1	11/2004	Yuan et al.	2009/0270929 A1	10/2009	Suddaby
2005/0010291 A1	1/2005	Stinson et al.	2009/0306716 A1	12/2009	Beger et al.
2005/0015146 A1	1/2005	Louis et al.	2009/0326589 A1	12/2009	Lemoine et al.
2005/0043797 A1	2/2005	Lee	2010/0010548 A1	1/2010	Hermida Ochoa
2005/0043799 A1	2/2005	Reiley	2010/0063550 A1	3/2010	Felix et al.
2005/0049705 A1	3/2005	Hale et al.	2010/0076503 A1	3/2010	Beyar et al.
2005/0055096 A1	3/2005	Serhan et al.	2010/0087859 A1	4/2010	Jackson, Jr.
2005/0059972 A1	3/2005	Biscup	2010/0131008 A1	5/2010	Overes et al.
2005/0107879 A1	5/2005	Christensen et al.	2010/0168864 A1	7/2010	White et al.
2005/0131409 A1	6/2005	Chervitz et al.	2010/0179553 A1	7/2010	Ralph et al.
2005/0131538 A1	6/2005	Chervitz et al.	2010/0185241 A1	7/2010	Malandain et al.
2005/0143818 A1	6/2005	Yuan et al.	2010/0191286 A1	7/2010	Butler
2005/0154463 A1	7/2005	Trieu	2010/0204700 A1	8/2010	Falahee
2005/0159746 A1	7/2005	Grab et al.	2010/0204732 A1	8/2010	Aschmann et al.
2005/0197700 A1	9/2005	Boehem et al.	2010/0234894 A1	9/2010	Alamin et al.
2005/0204515 A1	9/2005	Hewes	2010/0274289 A1	10/2010	Carls et al.
2005/0216017 A1	9/2005	Fielding et al.	2010/0292698 A1	11/2010	Hulliger et al.
2005/0240201 A1	10/2005	Yeung	2010/0298829 A1	11/2010	Schaller et al.
2005/0251256 A1	11/2005	Reiley	2010/0318133 A1	12/2010	Tornier
2005/0256494 A1	11/2005	Datta	2011/0015744 A1	1/2011	Squires et al.
2006/0004367 A1	1/2006	Alamin et al.	2011/0022050 A1	1/2011	McClellan et al.
2006/0036323 A1	2/2006	Carl et al.	2011/0022089 A1	1/2011	Assell et al.
2006/0041311 A1	2/2006	McLeer	2011/0034956 A1	2/2011	Mazda et al.
2006/0084985 A1	4/2006	Kim	2011/0060366 A1	3/2011	Heim et al.
2006/0085006 A1	4/2006	Ek et al.	2011/0098816 A1	4/2011	Jacob et al.
2006/0085072 A1	4/2006	Funk et al.	2011/0106163 A1	5/2011	Hochschuler et al.
2006/0111782 A1	5/2006	Petersen	2011/0160772 A1	6/2011	Arcenio et al.
2006/0116684 A1	6/2006	Whelan	2011/0172712 A1	7/2011	Chee et al.
2006/0149289 A1	7/2006	Winslow et al.	2011/0245875 A1	10/2011	Karim
2006/0149375 A1	7/2006	Yuan et al.	2011/0295318 A1	12/2011	Alamin et al.
2006/0200137 A1	9/2006	Soboleski et al.	2011/0301644 A1	12/2011	Belliard
2006/0241597 A1	10/2006	Mitchell et al.	2012/0022591 A1	1/2012	Baccelli et al.
2006/0241601 A1	10/2006	Trautwein et al.	2012/0022649 A1	1/2012	Robinson et al.
2006/0241758 A1	10/2006	Peterman et al.	2012/0035658 A1	2/2012	Goble et al.
2006/0241778 A1	10/2006	Ogilvie	2012/0041441 A1	2/2012	Bernstein et al.
2006/0247650 A1	11/2006	Yerby et al.	2012/0046749 A1	2/2012	Tatsumi
2006/0293691 A1	12/2006	Mitra et al.	2012/0101502 A1	4/2012	Kartalian et al.
2007/0055236 A1	3/2007	Hudgins et al.	2012/0150231 A1	6/2012	Alamin et al.
2007/0055252 A1	3/2007	Blain et al.	2012/0221060 A1	8/2012	Blain
2007/0055373 A1	3/2007	Hudgins et al.	2012/0245586 A1	9/2012	Lehenkari et al.
2007/0078464 A1	4/2007	Jones et al.	2012/0271354 A1	10/2012	Baccelli et al.
2007/0100452 A1	5/2007	Prosser	2012/0277801 A1	11/2012	Marik et al.
2007/0118218 A1	5/2007	Hooper	2013/0023878 A1	1/2013	Belliard et al.
2007/0123863 A1	5/2007	Winslow et al.	2013/0041410 A1	2/2013	Hestad et al.
2007/0135814 A1	6/2007	Farris	2013/0079778 A1	3/2013	Azuero et al.
2007/0149976 A1	6/2007	Hale et al.	2013/0123923 A1	5/2013	Pavlov et al.
2007/0179619 A1	8/2007	Grab	2013/0197643 A1	8/2013	Greenberg et al.
2007/0250166 A1	10/2007	McKay	2013/0204250 A1	8/2013	McDevitt et al.
2007/0270812 A1	11/2007	Peckham	2013/0253649 A1	9/2013	Davis
2008/0009866 A1	1/2008	Alamin et al.	2013/0261625 A1	10/2013	Koch et al.
2008/0046083 A1	2/2008	Hewko	2013/0325065 A1	12/2013	Malandain et al.
2008/0058929 A1	3/2008	Whelan	2014/0012318 A1	1/2014	Goel
2008/0082103 A1	4/2008	Hutton et al.	2014/0018816 A1	1/2014	Fenn et al.

2014/0066758	A1	3/2014	Marik et al.	JP	2013-535247	9/2013
2014/0214084	A1	7/2014	Jackson et al.	JP	2014-513583	6/2014
2014/0257397	A1	9/2014	Akbarnia et al.	MX	6012309	1/2007
2014/0277149	A1	9/2014	Rooney et al.	WO	WO 88/006022	8/1988
2014/0309699	A1	10/2014	Houff	WO	WO 93/014721	8/1993
2014/0336653	A1	11/2014	Bromer	WO	WO 94/004088	3/1994
2014/0378976	A1	12/2014	Garcia	WO	WO 97/047246	12/1997
2015/0045794	A1	2/2015	Garcia et al.	WO	WO 98/048717	11/1998
2015/0094767	A1	4/2015	Blain et al.	WO	WO 99/023963	5/1999
2015/0119988	A1	4/2015	Assell et al.	WO	WO 00/038582	7/2000
2015/0164652	A1	6/2015	Assell et al.	WO	WO 00/053126	9/2000
2015/0190149	A1	7/2015	Assell et al.	WO	WO 01/030248	5/2001
2015/0209096	A1	7/2015	Gephart	WO	WO 02/045765	6/2002
2015/0257770	A1	9/2015	Assell et al.	WO	WO 02/065954	8/2002
2015/0327872	A1	11/2015	Assell et al.	WO	WO 02/096300	12/2002
2015/0342648	A1	12/2015	McCormack et al.	WO	WO 03/101350	12/2003
2016/0113692	A1	4/2016	Knoepfle	WO	WO 2004/071358	8/2004
2016/0128838	A1	5/2016	Assell et al.	WO	WO 2005/020850	3/2005
2016/0213481	A1	7/2016	Blain	WO	WO 2005/072661	8/2005
2017/0000527	A1	1/2017	Blain et al.	WO	WO 2006/023980	3/2006
2017/0239060	A1	8/2017	Blain	WO	WO 2006/096803	9/2006
2017/0281232	A1	10/2017	Smith	WO	WO 2008/008522	1/2008
2017/0296234	A1	10/2017	Jackson et al.	WO	WO 2009/013397	1/2009
2017/0333091	A1	11/2017	Taber et al.	WO	WO 2009/015100	1/2009
2018/0085148	A1	3/2018	Blain	WO	WO 2009/021876	2/2009
2018/0085149	A1	3/2018	Blain	WO	WO 2010/060072	5/2010
2019/0142478	A1	5/2019	Blain	WO	WO 2010/122472	10/2010
2019/0192194	A1	6/2019	Blain	WO	WO 2011/011621	1/2011
2019/0328428	A1	10/2019	Blain	WO	WO 2012/007941	1/2012
2019/0365433	A1	12/2019	Blain et al.	WO	WO 2012/116266	8/2012
2020/0000608	A1	1/2020	Bullard	WO	WO 2012/116267	8/2012
2020/0214746	A1	7/2020	Blain et al.	WO	WO 2012/154265	11/2012
2020/0367945	A1	11/2020	Semingson et al.	WO	WO 2013/022880	2/2013
2021/0121207	A1	4/2021	Semingson	WO	WO 2013/138655	9/2013
				WO	WO 2014/078541	5/2014
				WO	WO 2016/044432	3/2016
				WO	WO 2020/236229	11/2020

FOREIGN PATENT DOCUMENTS

CA	2 437 575	4/2009
DE	93 04 368	5/1993
DE	201 12 123	9/2001
DE	101 35 771	2/2003
EP	0 238 219	9/1987
EP	0 322 334	6/1989
EP	0 392 124	10/1990
EP	0 610 837	8/1994
EP	0 928 603	7/1999
EP	1 201 202	5/2002
EP	1 201 256	5/2002
EP	2 138 122	12/2009
EP	2 919 717	9/2015
FR	2 704 745	11/1994
FR	2 722 980	2/1996
GB	2 366 736	3/2002
JP	53-005889	1/1978
JP	62-270147	11/1987
JP	03-100154	4/1991
JP	03-240660	10/1991
JP	08-509918	10/1996
JP	10-179622	7/1998
JP	2000-201941	7/2000
JP	2000-210297	8/2000
JP	2003-079649	3/2003
JP	2004-508888	3/2004
JP	2004-181236	7/2004
JP	2004-537354	12/2004
JP	2006-230722	9/2006
JP	2006-528540	12/2006
JP	2007-503884	3/2007
JP	2007-517627	7/2007
JP	2007-190389	8/2007
JP	2008-510526	4/2008
JP	2008-522787	7/2008
JP	2008-537498	9/2008
JP	2009-533167	9/2009
JP	2010-510852	4/2010
JP	2010-173739	8/2010
JP	2012-509740	4/2012
JP	2012-521221	9/2012
JP	2013-534451	9/2013

OTHER PUBLICATIONS

3rd Party Lab Notebook, "Facet Cartilage Repair," dated May 20, 2003 in 2 pages.

ArthroTek, "CurvTek® Bone Tunneling System," Surgical Technique, 2000, pp. 6.

ArthroTek, "CurvTek® Bone Tunneling System," User's Manual, 2000, pp. 20.

Ash, H.E., "Proximal Interphalangeal Joint Dimensions for the Design of a Surface Replacement Prosthesis", School of Engineering, University of Durham, Proceedings of the Institution of Mechanical Engineers Part H Journal of Engineering in Medicine Feb. 1996, vol. 210, No. 2, pp. 95-108.

Beaman, MD et al., "Substance P Innervation of Lumbar Spine Facet Joints", SPINE, 1993, vol. 18, No. 8, pp. 1044-1049.

Butterman, et al., "An Experimental Method for Measuring Force on the Spinal Facet Joint: Description and Application of the Method", Journal of Biomechanical Engineering, Nov. 1991, vol. 113, pp. 375-386.

Cruess et al., "The Response of Articular Cartilage to Weight-Bearing Against Metal", The Journal of Bone and Joint Surgery, Aug. 1984, vol. 66-B, No. 4, pp. 592-597.

Dalldorf et al., "Rate of Degeneration of Human Acetabular Cartilage after Hemiarthroplasty", The Journal of Bone and Joint Surgery, Jun. 1995, vol. 77, No. 6, pp. 877-882.

E-mail from 3rd Party citing U.S. Appl. No. 60/721,909; U.S. Appl. No. 60/750,005 and U.S. Appl. No. 60/749,000, initial e-mail dated May 11, 2009, reply e-mail dated May 18, 2009.

Frost, Harold M., "From Wolff's Law to the Utah Paradigm: Insights About Bone Physiology and Its Clinical Applications", The Anatomical Record, 2001, vol. 262, pp. 398-419.

King et al., "Mechanism of Spinal Injury Due to Caudocephalad Acceleration," Symposium on the Lumbar Spine, Orthopedic Clinic of North America, Jan. 1975, vol. 6, pp. 19-31.

Kurtz, PhD et al., "Isoelastic Polyaryletheretherketone Implants for Total Joint Replacement", PEEK Biomaterials Handbook, Ch. 14, 2012, pp. 221-226.

- Meisel et al., “Minimally Invasive Facet Restoration Implant for Chronic Lumbar Zygapophysial Pain: 1-Year Outcomes”, *Annals of Surgical Innovation and Research (ASIR)*, 2014, vol. 8, No. 7, pp. 6.
- Panjabi, PhD et al., “Articular Facets of the Human Spine: Quantitative Three-Dimensional Anatomy”, *SPINE*, 1993, vol. 18, No. 10, pp. 1298-1310.
- Parteq Innovations, “Facet Joint Implants & Resurfacing Devices,” *Technology Opportunity Bulletin*, Tech ID 1999-012, Queen’s University, Ontario Canada, pp. 2.
- Ravikumar et al., “Internal Fixation Versus Hemiarthroplasty Versus Total Hip Arthroplasty for Displaced Subcapital Fractures of Femur—13 year Results of a Prospective Randomised Study”, *International Journal of the Care of the Injured (INJURY)*, 2000, vol. 31, pp. 793-797.
- Schendel et al., “Experimental Measurement of Ligament Force, Facet Force, and Segment Motion in the Human Lumbar Spine”, *Journal of Biomechanics*, 1993, vol. 26, No. 4/5, pp. 427-438.
- Sharpe Products, “Metal Round Disks”, <https://web.archive.org/web/20170705214756/https://sharpeproducts.com/store/metal-round-disks>, as archived Jul. 5, 2017 in 3 pages.
- Official Communication in Australian Application No. 2005213459, dated Dec. 11, 2009.
- Official Communication in Australian Application No. 2005213459, dated Dec. 15, 2010.
- Official Communication in Australian Application No. 2011226832, dated Sep. 4, 2012.
- Official Communication in Australian Application No. 2011226832, dated Oct. 31, 2012.
- Official Communication in Australian Application No. 2013237744, dated Sep. 2, 2014.
- Notice of Acceptance in Australian Application No. 2013237744, dated Apr. 23, 2015.
- Official Communication in Australian Application No. 2015205875, dated Apr. 2, 2016.
- Official Communication in Australian Application No. 2015205875, dated Jun. 15, 2016.
- Official Communication in Australian Application No. 2016231622, dated Dec. 5, 2017.
- Official Communication in Australian Application No. 2016231622, dated Nov. 22, 2018.
- Notice of Acceptance in Australian Application No. 2016231622, dated Dec. 4, 2018.
- Official Communication in Australian Application No. 2019201539, dated Jun. 25, 2019.
- Official Communication in Australian Application No. 2019201539, dated Apr. 3, 2020.
- Official Communication in Canadian Application No. 2,555,355, dated Sep. 2, 2011.
- Official Communication in Canadian Application No. 2,803,783, dated Sep. 29, 2014.
- Official Communication in Canadian Application No. 2,803,783, dated Aug. 5, 2015.
- Official Communication in Canadian Application No. 2,803,783, dated Jul. 7, 2016.
- Official Communication in Canadian Application No. 2,803,783, dated Apr. 5, 2017.
- Official Communication in European Application No. 05712981.9, dated Jul. 24, 2007.
- Official Communication in European Application No. 05712981.9, dated Mar. 10, 2008.
- Official Communication in European Application No. 05712981.9, dated Apr. 6, 2009.
- Official Communication in European Application No. 05712981.9, dated Jun. 15, 2010.
- Official Communication in European Application No. 10178979.0, dated Mar. 14, 2011.
- Official Communication in European Application No. 10178979.0, dated Nov. 13, 2012.
- Official Communication in European Application No. 10178979.0, dated Aug. 5, 2013.
- Official Communication in European Application No. 14175088.5, dated Sep. 8, 2014.
- Official Communication in European Application No. 14175088.5, dated Nov. 18, 2015.
- Official Communication in European Application No. 16180368.9, dated Mar. 31, 2017.
- Official Communication in European Application No. 16180368.9, dated Jan. 11, 2018.
- Official Communication in European Application No. 19158915.9, dated Jul. 1, 2019.
- Official Communication in Japanese Application No. 2006-552309, dated May 25, 2010.
- Official Communication in Japanese Application No. 2006-552309, dated Feb. 15, 2011.
- Official Communication in Japanese Application No. 2010-221380, dated Feb. 15, 2011.
- Official Communication in Japanese Application No. 2012-272106, dated Dec. 3, 2013.
- Official Communication in Japanese Application No. 2012-272106, dated May 26, 2014.
- Official Communication in Japanese Application No. 2012-272106, dated Feb. 23, 2015.
- Official Communication in Japanese Application No. 2012-272106, dated Nov. 2, 2015.
- International Search Report and Written Opinion in International Application No. PCT/US2005/003753, dated Dec. 5, 2006.
- International Preliminary Report on Patentability and Written Opinion in International Application No. PCT/US2005/003753, dated Jan. 9, 2007.
- Official Communication in European Application No. 08730413.5, dated Feb. 16, 2012.
- Official Communication in European Application No. 14177951.2, dated Nov. 13, 2014.
- International Search Report and Written Opinion in International Application No. PCT/US2008/054607, dated Jul. 10, 2008.
- International Preliminary Report on Patentability and Written Opinion in International Application No. PCT/US2008/054607, dated Sep. 3, 2009.
- Official Communication in Australian Application No. 2011292297, dated Jul. 10, 2013.
- Official Communication in Australian Application No. 2014277721, dated Sep. 8, 2016.
- Official Communication in Australian Application No. 2014277721, dated Jan. 9, 2017.
- Official Communication in Canadian Application No. 2,804,223, dated Jun. 5, 2017.
- Official Communication in Canadian Application No. 2,804,223, dated Mar. 14, 2018.
- Official Communication in European Application No. 11818586.7, dated Nov. 6, 2014.
- Official Communication in European Application No. 11818586.7, dated Feb. 3, 2017.
- Official Communication in Japanese Application No. 2013-524882, dated Mar. 2, 2015.
- Official Communication in Japanese Application No. 2013-524882, dated Nov. 16, 2015.
- Official Communication in Japanese Application No. 2015-242990, dated Dec. 12, 2016.
- Official Communication in Japanese Application No. 2015-242990, dated May 8, 2017.
- Official Communication in Japanese Application No. 2015-242990, dated Aug. 21, 2017.
- International Search Report and Written Opinion in International Application No. PCT/US2011/047432, dated Dec. 12, 2011.
- International Preliminary Report on Patentability and Written Opinion in International Application No. PCT/US2011/047432, dated Feb. 28, 2013.
- Official Communication in Australian Application No. 2012222229, dated Aug. 21, 2015.
- Official Communication in Australian Application No. 2012222229, dated May 11, 2016.
- Official Communication in Australian Application No. 2012222230, dated Aug. 21, 2015.
- Official Communication in European Application No. EP12749447.4, dated Jan. 4, 2017.

- Official Communication in European Application No. EP12749447, 4, dated Apr. 4, 2017.
- Official Communication in European Application No. EP12749447, 4, dated Nov. 14, 2018.
- Official Communication in European Application No. 12749251.0, dated Jan. 4, 2017.
- Official Communication in European Application No. 12749251.0, dated May 9, 2017.
- Official Communication in European Application No. 12749251.0, dated Aug. 16, 2019.
- Official Communication in Japanese Application No. 2013-555591, dated Jan. 4, 2016.
- Official Communication in Japanese Application No. 2016-246368, dated Oct. 30, 2017.
- Official Communication in Japanese Application No. 2016-246368, dated Jul. 2, 2018.
- Official Communication in Japanese Application No. 2013-555592, dated Dec. 7, 2015.
- Official Communication in Japanese Application No. 2013-555592, dated Aug. 8, 2016.
- Official Communication in Japanese Application No. 2013-555592, dated Jan. 5, 2018.
- Official Communication in Japanese Application No. 2016-237460, dated Oct. 23, 2017.
- Official Communication in Japanese Application No. 2016-237460, dated Apr. 16, 2018.
- International Search Report in International Application No. PCT/US2012/026470, dated May 30, 2012.
- International Preliminary Report on Patentability and Written Opinion in International Application No. PCT/US2012/026470, dated Sep. 6, 2013.
- International Search Report and Written Opinion in International Application No. PCT/US2012/026472, dated Jun. 20, 2012.
- International Preliminary Report on Patentability and Written Opinion in International Application No. PCT/US2012/026472, dated Mar. 12, 2014.
- Official Communication in Australian Application No. 2014241989, dated Aug. 31, 2017.
- Official Communication in Australian Application No. 2014241989, dated Jun. 20, 2018.
- Official Communication in Australian Application No. 2014241989, dated Aug. 17, 2018.
- Official Communication in Australian Application No. 2018279003, dated Jan. 9, 2020.
- Official Communication in Canadian Application No. 2,903,999, dated Dec. 9, 2019.
- Official Communication in European Application No. 14774714.1, dated Oct. 21, 2016.
- Official Communication in European Application No. 14774714.1, dated May 23, 2019.
- Official Communication in Japanese Application No. 2016-500490, dated Nov. 27, 2017.
- Official Communication in Japanese Application No. 2016-500490, dated May 7, 2018.
- International Search Report and Written Opinion in International Application No. PCT/US2014/019302, dated May 18, 2015.
- Official Communication in Australian Application No. 2014241994, dated Oct. 30, 2017.
- Official Communication in Australian Application No. 2014241994, dated Jan. 31, 2020.
- Official Communication in Canadian Application No. 2,904,280, dated Dec. 9, 2019.
- Official Communication in European Application No. 14776445.0, dated Nov. 7, 2016.
- Official Communication in Japanese Application No. 2016-500498, dated Jan. 5, 2018.
- Official Communication in Japanese Application No. 2016-500498, dated Jul. 2, 2018.
- Official Communication in Japanese Application No. 2016-500498, dated Mar. 4, 2019.
- Official Communication in Japanese Application No. 2016-500498, dated Aug. 9, 2019.
- International Search Report and Written Opinion in International Application No. PCT/US2014/019325, dated Jun. 17, 2014.
- International Preliminary Report on Patentability and Written Opinion in International Application No. PCT/US2014/019325, dated Sep. 24, 2015.
- Official Communication in Australian Application No. 2014327083, dated May 31, 2018.
- Notice of Acceptance in Australian Application No. 2014327083, dated Apr. 3, 2019.
- Official Communication in European Application No. 14850082.0, dated Aug. 31, 2016.
- Official Communication in Japanese Application No. 2016-517392, dated Jun. 4, 2018.
- Official Communication in Japanese Application No. 2016-517392, dated Apr. 22, 2019.
- Official Communication in Japanese Application No. 2016-517392, dated Dec. 2, 2019.
- International Search Report and Written Opinion in International Application No. PCT/US2014/056598, dated Dec. 29, 2014.
- International Preliminary Report on Patentability and Written Opinion in International Application No. PCT/US2014/056598, dated Apr. 7, 2016.
- International Search Report and Written Opinion in International Application No. PCT/US2015/050441, dated Dec. 28, 2015.
- International Preliminary Report on Patentability and Written Opinion in International Application No. PCT/US2015/050441, dated Mar. 30, 2017.
- Official Communication in Australian Application No. 2016212009, dated Sep. 6, 2019.
- Official Communication in European Application No. 16743832.4, dated Jul. 24, 2018.
- Official Communication in Japanese Application No. 2017-557269, dated Oct. 21, 2019.
- International Search Report and Written Opinion in International Application No. PCT/US2016/013062, dated Mar. 16, 2016.
- International Preliminary Report on Patentability and Written Opinion in International Application No. PCT/US2016/013062, dated Aug. 10, 2017.
- International Search Report and Written Opinion in International Application No. PCT/US2020/014985, dated Apr. 24, 2020.
- International Search Report in International Application No. PCT/CA2002/000193 filed Feb. 15, 2002, dated Jun. 18, 2002.
- International Search Report and Written Opinion in International Application No. PCT/US2004/028094, dated May 16, 2005.
- International Preliminary Report on Patentability and Written Opinion in International Application No. PCT/US2004/028094, dated Feb. 25, 2013.
- International Search Report in International Application No. PCT/US2005/000987 filed Jan. 13, 2005, dated May 24, 2005.
- International Preliminary Report on Patentability and Written Opinion in International Application No. PCT/US2005/000987 filed Jan. 13, 2005, dated Jan. 17, 2006.
- Official Communication in European Application No. 11818586.7, dated Apr. 8, 2021.
- Official Communication in Australian Application No. 2018279003, dated Sep. 18, 2020.
- Official Communication in Australian Application No. 2018279003, dated Jan. 12, 2021.
- Official Communication in Canadian Application No. 2,903,999, dated Aug. 31, 2020.
- Official Communication in Canadian Application No. 2,904,280, dated Sep. 1, 2020.
- Official Communication in Canadian Application No. 2,904,280, dated Jun. 7, 2021.
- Official Communication in European Application No. 14776445.0, dated Jun. 10, 2021.
- Official Communication in Japanese Application No. 2019-163133, dated Oct. 5, 2020.

Official Communication in Japanese Application No. 2019-163133, dated Jun. 7, 2021.  
Official Communication in Australian Application No. 2019206045, dated Sep. 8, 2020.  
Official Communication in Canadian Application No. 2,923,623, dated Dec. 8, 2020.  
Official Communication in European Application No. 14850082.0, dated Sep. 15, 2020.  
Official Communication in Japanese Application No. 2019-236855, dated Nov. 24, 2020.  
Official Communication in Australian Application No. 2016212009, dated May 26, 2020.  
Official Communication in Australian Application No. 2016212009, dated Jul. 14, 2020.  
Official Communication in Japanese Application No. 2017-557269, dated Jul. 13, 2020.  
International Search Report and Written Opinion in International Application No. PCT/US2021/017643, dated Apr. 28, 2021.

\* cited by examiner

*Primary Examiner* — Charles D Hanson  
(74) *Attorney, Agent, or Firm* — Knobbe, Martens, Olson & Bear, LLP

(57)

**CLAIM**

The ornamental design for an interbody bone implant, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of an interbody bone implant according to an embodiment;  
FIG. 2 is a top view of the interbody bone implant illustrated in FIG. 1;  
FIG. 3 is a bottom view of the interbody bone implant illustrated in FIG. 1;  
FIG. 4 is a first side view of the interbody bone implant illustrated in FIG. 1; and  
FIG. 5 is a second side view of the interbody bone implant illustrated in FIG. 1.  
The broken-jagged lines which define the boundary of the claimed design do not form part of the claimed design. The broken lines are for environmental purposes only and form no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



FIG. 1

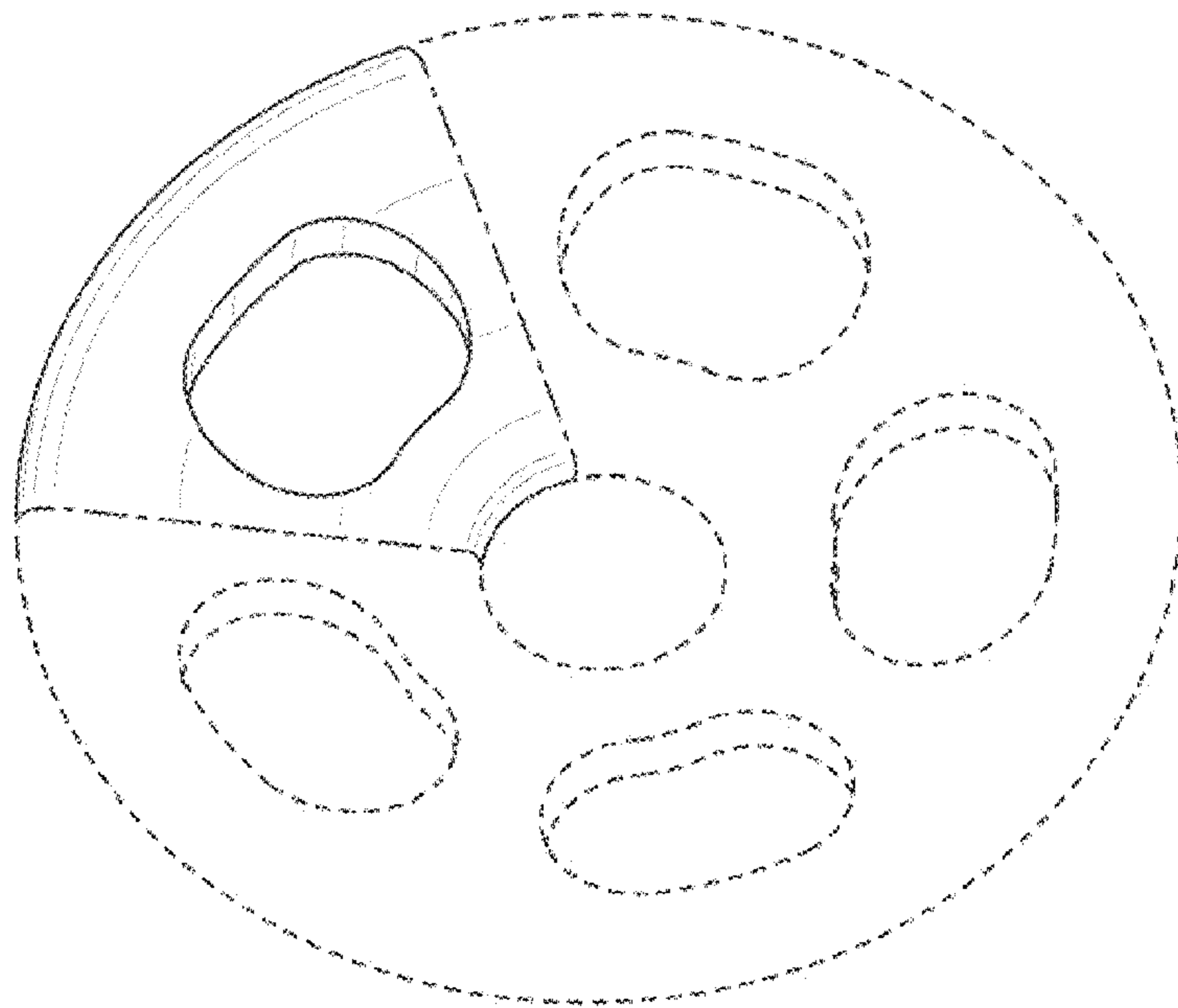


FIG. 2

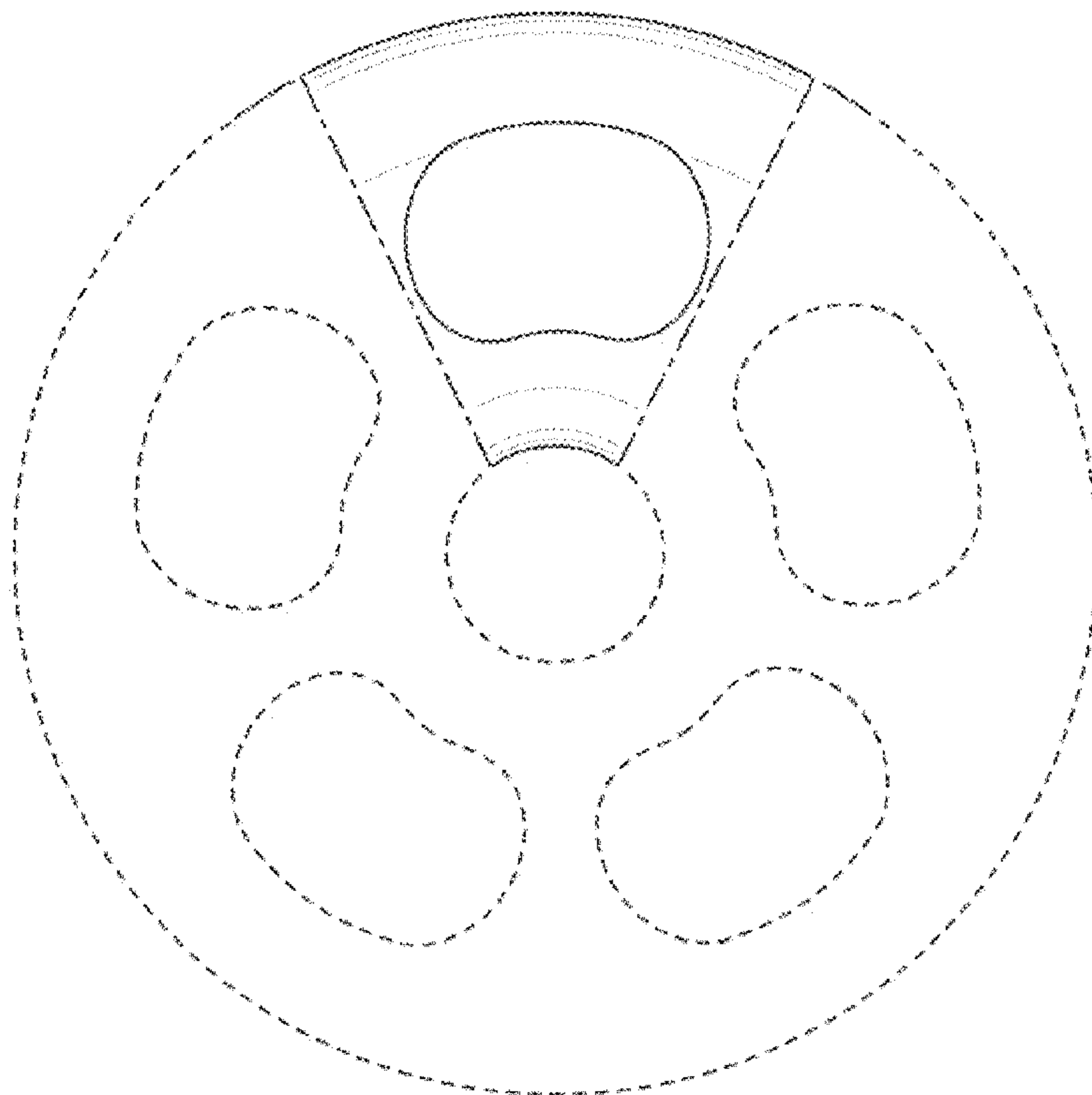


FIG. 3

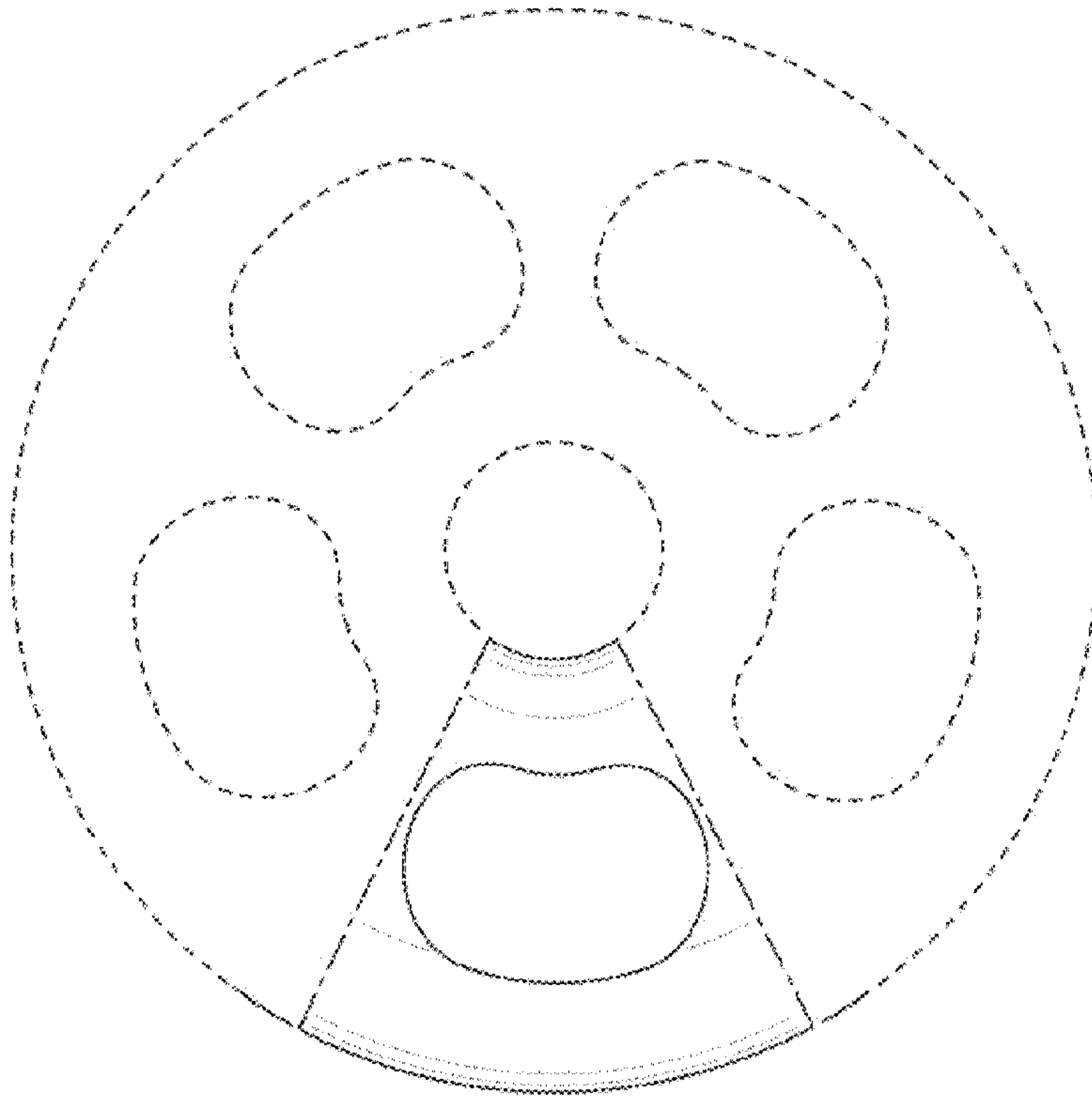


FIG. 4

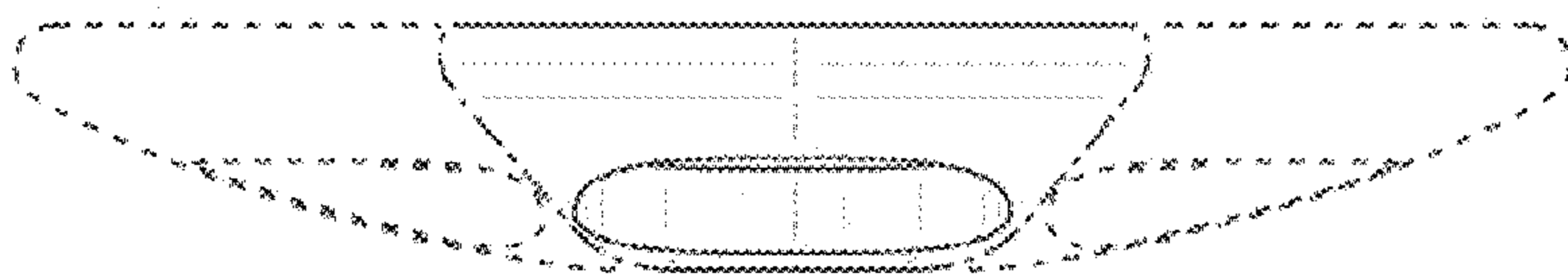


FIG. 5

