



US00D820967S

(12) **United States Design Patent** (10) **Patent No.:** **US D820,967 S**
Avedon (45) **Date of Patent:** **** Jun. 19, 2018**

(54) **AIR MOVING DEVICE**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **AIRIUS IP HOLDINGS LLC**,
Longmont, CO (US)

AU 2013203632 11/2016
CN 1426729 7/2003

(Continued)

(72) Inventor: **Raymond B. Avedon**, Boulder, CO
(US)

OTHER PUBLICATIONS

(73) Assignee: **Airius IP Holdings LLC**, Longmont,
CO (US)

Airius Model R20 EC 'Eyeball' data sheet, published Jun. 15, 2016,
airius.com.au, site visited May 23, 2017, Copyright © 2017, Avail-
able from Internet, <http://airius.com.au/products/new-retail-series-2/attachment/na_std_retailseries/>.*

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

(Continued)

(21) Appl. No.: **29/563,679**

Primary Examiner — Cathron C Brooks

(22) Filed: **May 6, 2016**

Assistant Examiner — Sharon S Oum

(51) **LOC (11) Cl.** **23-04**

(74) *Attorney, Agent, or Firm* — Knobbe Martens Olson
& Bear LLP

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

(57) **CLAIM**

USPC **D23/370**

The ornamental design for an air moving device, as shown
and described.

(58) **Field of Classification Search**

USPC D23/314, 351, 355, 364, 370–403,
D23/415–418, 499

CPC F04D 9/042; F04D 29/646; F04D 19/002
See application file for complete search history.

DESCRIPTION

(56) **References Cited**

U.S. PATENT DOCUMENTS

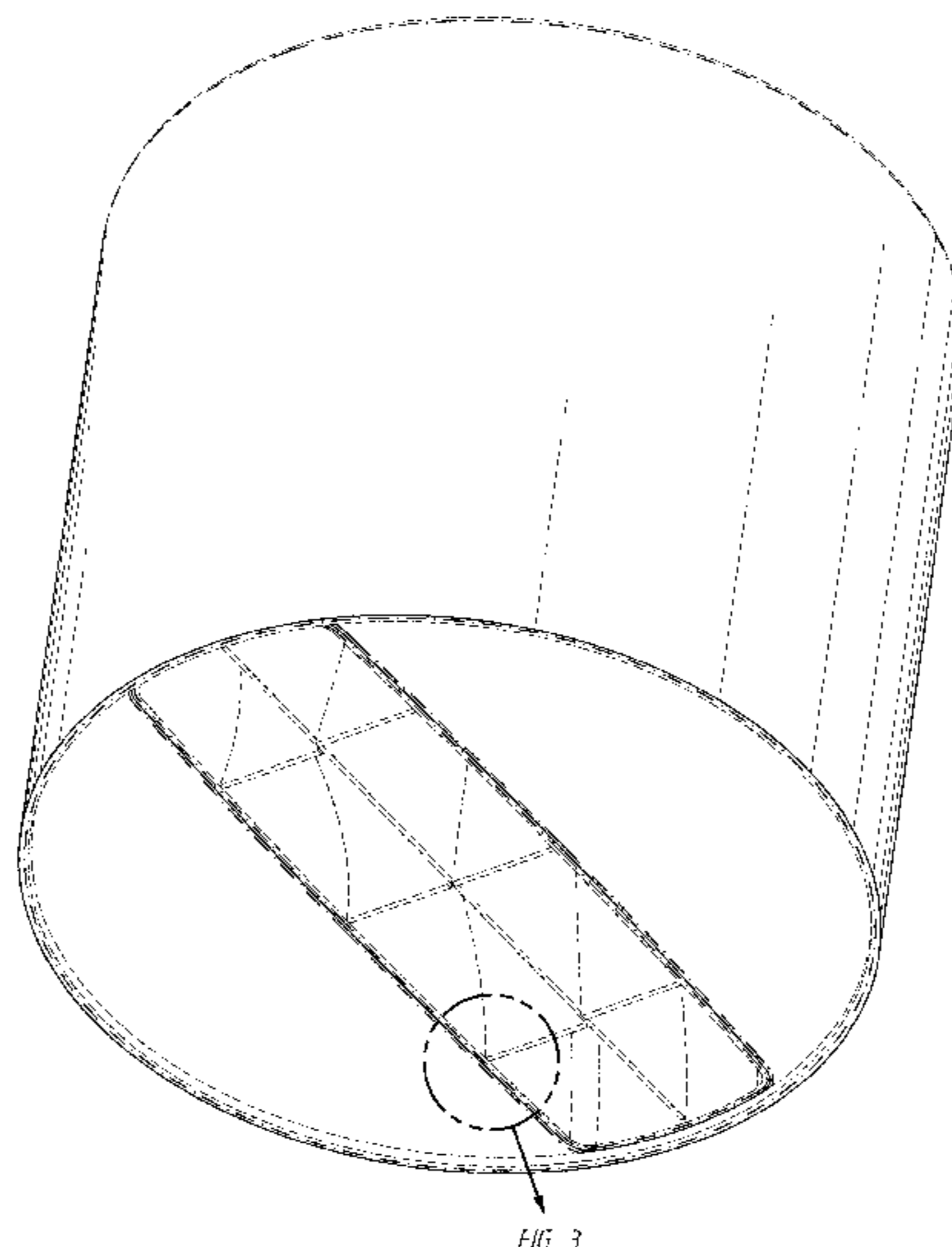
866,292 A	9/1907	Meston	
917,206 A	4/1909	Watts	
1,858,067 A	5/1932	Warren	
1,877,347 A	9/1932	McCurdie	
1,926,795 A	9/1933	Sassenberg	
2,016,778 A	10/1935	Hall et al.	
2,189,008 A	2/1940	Kurth	
2,189,502 A	2/1940	Johnston	
2,232,573 A	2/1941	Teves	
2,258,731 A	10/1941	Blumenthal	
D133,120 S *	7/1942	Spear	416/244 R
2,359,021 A	9/1944	Campbell et al.	
2,366,773 A	1/1945	Eklund et al.	

(Continued)

FIG. 1 is a front, left, and top side perspective view of an air moving device embodying our new design;
FIG. 2 is a front, bottom, and right side perspective view thereof;
FIG. 3 is an expanded front, bottom, and right side perspective view of a portion of the bottom thereof;
FIG. 4 front side elevational view thereof;
FIG. 5 is a back side elevational view thereof;
FIG. 6 is a top plan view thereof; and
FIG. 7 is a bottom plan view thereof; and,
FIG. 8 is an expanded bottom plan view of a portion of the bottom thereof.

Broken lines are used to illustrate features of the air moving device which form no part of the claimed design. Dot-dash lines are used to illustrate boundary lines and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2,371,821 A	3/1945	Havis	4,930,987 A	6/1990	Stahl	
D152,397 S	1/1949	Damond	4,971,143 A	11/1990	Hogan	
2,513,463 A	7/1950	Eklund et al.	4,973,016 A	11/1990	Hertenstein	
2,524,974 A	10/1950	Hickmott	5,000,081 A	3/1991	Gilmer	
2,615,620 A	10/1952	Goettl	5,021,932 A	6/1991	Ivey	
2,632,375 A	3/1953	Stair et al.	5,033,711 A	7/1991	Gregorich et al.	
2,658,719 A	11/1953	Johanson	5,042,366 A	8/1991	Panetski et al.	
D174,230 S *	3/1955	Lewis D23/390	5,078,574 A	1/1992	Olsen	
2,830,523 A	4/1958	Vehige	5,094,676 A *	3/1992	Karbacher B01D 50/00	
D187,699 S *	4/1960	vanRijn D23/379				416/146 R
2,982,198 A	5/1961	Mohrman	D325,628 S	4/1992	Cho	
3,012,494 A	12/1961	Drummond	5,107,755 A	4/1992	Leban et al.	
3,036,509 A	5/1962	Babbitt	5,121,675 A	6/1992	Muller et al.	
3,068,341 A	12/1962	Ortiz et al.	5,127,876 A	7/1992	Howe et al.	
D195,287 S	5/1963	Downing	5,152,606 A	10/1992	Borraccia et al.	
3,099,949 A	8/1963	Davidson	5,156,568 A	10/1992	Ricci	
3,165,294 A	1/1965	Anderson	5,191,618 A	3/1993	Hisey	
3,188,007 A	6/1965	Myklebust	D340,765 S	10/1993	Joss et al.	
3,212,425 A	10/1965	Lindner et al.	5,251,461 A	10/1993	Fallows, III et al.	
3,246,699 A	4/1966	Jocz	5,328,152 A	7/1994	Castle	
3,300,123 A	1/1967	Freyholdt et al.	5,358,443 A	10/1994	Mitchell et al.	
3,320,869 A	5/1967	Schach	5,399,119 A	3/1995	Birk et al.	
3,364,839 A	1/1968	Sweeney et al.	5,429,481 A	7/1995	Liu	
3,382,791 A	5/1968	Henry-Biabaud	5,439,352 A	8/1995	Line	
3,386,368 A	6/1968	Fielding	5,443,625 A	8/1995	Schaffhausen	
3,413,905 A	12/1968	Johnson	5,458,505 A	10/1995	Prager	
3,524,399 A	8/1970	Bohanon	5,462,484 A	10/1995	Jung et al.	
3,584,968 A	6/1971	Keith	5,511,942 A	4/1996	Meier	
3,601,184 A	8/1971	Hauville	5,513,953 A	5/1996	Hansen	
3,690,244 A	9/1972	Kallel et al.	5,520,515 A	5/1996	Bailey et al.	
3,699,872 A	10/1972	Kruger	5,545,241 A	8/1996	Vanderauwera et al.	
3,765,317 A	10/1973	Lowe	5,547,343 A	8/1996	Jané et al.	
3,785,271 A	1/1974	Joy	5,551,841 A	9/1996	Kamada	
3,827,342 A	8/1974	Hughes	5,561,952 A	10/1996	Damron	
3,835,759 A	9/1974	Lloyd	5,569,019 A	10/1996	Katariya et al.	
3,876,331 A	4/1975	DenHerder et al.	5,584,656 A	12/1996	Rose	
3,927,300 A	12/1975	Wada et al.	5,595,068 A	1/1997	Amr	
3,932,054 A	1/1976	McKelvey	5,613,833 A	3/1997	Wolfe et al.	
3,934,494 A	1/1976	Butler	5,658,196 A	8/1997	Swaim	
3,967,927 A	7/1976	Patterson	5,664,872 A	9/1997	Spearman et al.	
3,973,479 A	8/1976	Whiteley	5,709,458 A	1/1998	Metz	
3,988,973 A	11/1976	Honmann	5,725,356 A	3/1998	Carter	
4,006,673 A	2/1977	Meyer et al.	5,791,985 A	8/1998	Schiedegger et al.	
D251,851 S *	5/1979	Palm D23/418	5,822,186 A	10/1998	Bull	
4,152,973 A	5/1979	Peterson	5,918,972 A	7/1999	Van Belle	
4,185,545 A	1/1980	Rusth et al.	5,934,783 A	8/1999	Yoshikawa	
D255,488 S *	6/1980	Kanarek D23/370	D414,550 S	9/1999	Bloom	
D256,273 S	8/1980	Townsend et al.	5,947,816 A	9/1999	Schiedegger et al.	
4,261,255 A	4/1981	Anderson et al.	5,967,891 A	10/1999	Riley et al.	
4,321,659 A	3/1982	Wheeler	5,997,253 A	12/1999	Fechan	
4,344,112 A	8/1982	Brown	6,004,097 A	12/1999	Wark et al.	
4,396,352 A	8/1983	Pearce	6,068,385 A	5/2000	Hsieh	
4,473,000 A	9/1984	Perkins	6,095,671 A	8/2000	Hutain	
4,512,242 A	4/1985	Bohanon, Sr.	6,109,874 A	8/2000	Steiner	
4,515,538 A	5/1985	Shih	6,145,798 A	11/2000	Janisse et al.	
4,522,255 A	6/1985	Baker	6,149,513 A	11/2000	Lyu	
4,524,679 A	6/1985	Lyons	6,155,782 A	12/2000	Hsu	
4,546,420 A	10/1985	Wheeler et al.	6,168,517 B1	1/2001	Cook	
4,548,548 A	10/1985	Gray, III	6,176,680 B1	1/2001	Ringblom et al.	
4,550,649 A	11/1985	Zambolin	6,183,203 B1	2/2001	Grintz	
4,630,182 A	12/1986	Moroi et al.	6,192,702 B1	2/2001	Shimogori	
4,662,912 A	5/1987	Perkins	6,196,915 B1	3/2001	Schiedegger et al.	
4,678,410 A	7/1987	Kullen	6,319,304 B1	11/2001	Moredock	
4,681,024 A	7/1987	Ivey	6,352,473 B1	3/2002	Clark	
4,715,784 A	12/1987	Mosiewicz	6,360,816 B1	3/2002	Wagner	
4,716,818 A	1/1988	Brown	6,361,428 B1	3/2002	Tosconi et al.	
4,730,551 A	3/1988	Peludat	6,361,431 B1	3/2002	Kawano	
4,790,863 A	12/1988	Nobiraki et al.	6,364,760 B1	4/2002	Rooney	
4,794,851 A	1/1989	Kurrle	6,383,072 B2	5/2002	Schiedegger et al.	
4,796,343 A	1/1989	Wing	6,384,494 B1	5/2002	Avidano et al.	
4,848,669 A	7/1989	George	6,386,828 B1	5/2002	Davis et al.	
4,850,265 A	7/1989	Raisanen	6,386,970 B1	5/2002	Vernier, II et al.	
4,890,547 A	1/1990	Wagner et al.	6,386,972 B1	5/2002	Schiedegger et al.	
4,895,065 A	1/1990	Lamparter	6,435,964 B1	8/2002	Chang	
D308,416 S	6/1990	Brumbach	6,451,080 B1	9/2002	Rocklitz et al.	
			6,458,028 B2	10/2002	Snyder	
			6,458,628 B1	10/2002	Distefano et al.	
			6,484,524 B1	11/2002	Ulanov	
			6,551,185 B1	4/2003	Miyake et al.	

(56)

References Cited

U.S. PATENT DOCUMENTS

6,575,011 B1 6/2003 Busby et al.
 6,581,974 B1 6/2003 Ragner et al.
 6,582,291 B2 6/2003 Clark
 6,592,328 B1 7/2003 Cahill
 6,595,747 B2 7/2003 Bos
 6,626,003 B1 9/2003 Kortüm et al.
 6,626,636 B2 9/2003 Bohn
 D481,101 S 10/2003 Boehrs et al.
 6,648,752 B2 11/2003 Vernier, II et al.
 6,679,433 B2 1/2004 Gordon et al.
 6,682,308 B1 1/2004 Fei et al.
 6,700,266 B2 3/2004 Winkel et al.
 6,767,281 B2 7/2004 McKee
 6,783,578 B2 8/2004 Tillman, Jr.
 6,804,627 B1 10/2004 Marokhovsky et al.
 6,805,627 B2 10/2004 Marts et al.
 6,812,849 B1 11/2004 Ancel
 6,886,270 B2 5/2005 Gilmer
 6,916,240 B1 7/2005 Morton
 6,938,631 B2 9/2005 Gridley
 6,951,081 B2 10/2005 Bonshor
 6,966,830 B2 11/2005 Hurlstone et al.
 6,974,381 B1 12/2005 Walker et al.
 D514,688 S * 2/2006 Avedon D23/379
 7,011,578 B1 3/2006 Core
 7,044,849 B2 5/2006 Dippel
 7,048,499 B2 5/2006 Mathson et al.
 7,056,092 B2 6/2006 Stahl
 7,056,368 B2 6/2006 Moredock et al.
 7,101,064 B2 9/2006 Ancel
 7,152,425 B2 12/2006 Han et al.
 7,166,023 B2 1/2007 Haigh et al.
 7,175,309 B2 2/2007 Craw et al.
 7,185,504 B2 3/2007 Kasai et al.
 7,201,110 B1 4/2007 Pawlak
 7,201,650 B2 4/2007 Demerath et al.
 7,214,035 B2 5/2007 Bussieres et al.
 7,288,023 B2 10/2007 Leopold
 7,320,636 B2 1/2008 Seliger et al.
 7,331,764 B1 2/2008 Reynolds et al.
 D567,930 S * 4/2008 Smith D23/382
 7,374,408 B2 5/2008 Savage et al.
 D570,981 S * 6/2008 McClelland D23/370
 7,381,129 B2 6/2008 Avedon
 7,467,931 B2 12/2008 O'Toole
 7,497,773 B1 3/2009 Schmidt
 7,516,578 B2 4/2009 Bonshor
 7,544,124 B2 6/2009 Polston
 7,549,258 B2 6/2009 Lajewski
 7,566,034 B2 7/2009 Bonshor
 D599,471 S * 9/2009 Borovicka D23/412
 7,607,935 B2 10/2009 Dahl
 7,610,726 B2 11/2009 Lajewski
 D605,332 S * 12/2009 Miranda D26/88
 7,645,188 B1 1/2010 Peerbolt
 7,651,390 B1 1/2010 Profeta et al.
 7,677,770 B2 3/2010 Mazzochette
 7,677,964 B1 3/2010 Bucher et al.
 7,708,625 B2 5/2010 Leseman et al.
 D617,890 S * 6/2010 Thomas D23/393
 D620,096 S * 7/2010 Underwood D23/379
 7,752,814 B2 7/2010 Bonshor
 7,774,999 B2 8/2010 McKee
 7,780,510 B2 8/2010 Polston
 D631,148 S * 1/2011 Benton D23/370
 7,901,278 B2 3/2011 O'Hagin
 7,930,858 B2 4/2011 Lajewski
 8,052,386 B1 11/2011 Fitzpatrick et al.
 D672,863 S * 12/2012 Romero Carreras D23/370
 D681,184 S * 4/2013 Romero Carreras D23/370
 8,529,324 B2 9/2013 Moredock et al.
 8,596,596 B2 12/2013 Naji et al.
 8,616,842 B2 12/2013 Avedon
 D698,916 S * 2/2014 Avedon D23/379
 D710,490 S * 8/2014 Shurtleff D23/411

8,967,983 B2 3/2015 Kampf
 8,992,174 B2 3/2015 Chang
 9,151,295 B2 10/2015 Avedon
 D743,521 S * 11/2015 Jackson D23/393
 D746,971 S * 1/2016 Avedon D23/379
 D755,438 S * 5/2016 Kimmet D26/118
 D756,498 S * 5/2016 Norman D23/355
 9,335,061 B2 5/2016 Avedon
 D758,642 S * 6/2016 Eguchi D26/113
 D768,844 S * 10/2016 Koseoglu D23/386
 9,459,020 B2 10/2016 Avedon
 D775,719 S * 1/2017 Smith D23/370
 D783,795 S * 4/2017 Avedon D23/379
 2001/0049927 A1 12/2001 Toepel
 2002/0045420 A1 4/2002 Taillon
 2002/0137454 A1 9/2002 Baker
 2003/0092373 A1 5/2003 Kuo
 2004/0050077 A1 3/2004 Kasai et al.
 2004/0052641 A1 3/2004 Chen
 2004/0240214 A1 12/2004 Whitlow et al.
 2004/0253095 A1 12/2004 Sasaki et al.
 2005/0092888 A1 5/2005 Gonce
 2005/0159101 A1 7/2005 Hrdina et al.
 2006/0087810 A1 4/2006 Rockenfeller
 2006/0172688 A1 8/2006 Johnson
 2006/0276123 A1 12/2006 Sanagi et al.
 2006/0284435 A1 12/2006 Vitito
 2007/0213003 A1 9/2007 Railkar et al.
 2007/0231145 A1 * 10/2007 Jin F04D 19/02
 416/198 R
 2007/0297906 A1 12/2007 Wu
 2008/0019836 A1 1/2008 Butz et al.
 2008/0188175 A1 8/2008 Wilkins
 2008/0227381 A1 9/2008 Avedon
 2009/0041580 A1 2/2009 Wichmann et al.
 2009/0155080 A1 6/2009 Yu
 2009/0170421 A1 7/2009 Adrian et al.
 2009/0219727 A1 9/2009 Weaver
 2009/0262550 A1 10/2009 Inoue
 2010/0009621 A1 1/2010 Hsieh
 2010/0052495 A1 3/2010 Liu et al.
 2010/0176706 A1 7/2010 Fu et al.
 2010/0192611 A1 8/2010 Yamaguchi et al.
 2010/0202932 A1 8/2010 Danville
 2011/0037368 A1 2/2011 Huang
 2011/0057551 A1 3/2011 Lee et al.
 2011/0057552 A1 3/2011 Weaver
 2011/0080096 A1 4/2011 Dudik et al.
 2011/0084586 A1 4/2011 Lain et al.
 2011/0133622 A1 6/2011 Mo et al.
 2011/0140588 A1 6/2011 Chen
 2011/0223016 A1 9/2011 Ediger et al.
 2012/0195749 A1 8/2012 Avedon
 2013/0023195 A1 1/2013 Avedon
 2013/0196588 A1 8/2013 Liao
 2014/0314560 A1 10/2014 Avedon
 2015/0176834 A1 6/2015 Avedon
 2015/0176851 A1 6/2015 Avedon
 2015/0354578 A1 12/2015 Avedon
 2016/0146222 A1 * 5/2016 Avedon F04D 19/002
 415/211.2
 2016/0186765 A1 6/2016 Avedon
 2016/0238029 A1 8/2016 Avedon

FOREIGN PATENT DOCUMENTS

CN 10 1592328 12/2009
 CN 201 560 963 8/2010
 DE 44 13 542 10/1995
 DE 196 38 518 4/1998
 DE 10 2008 044874 3/2010
 EP 0 037 958 10/1981
 EP 0 212 749 3/1987
 EP 0 772 007 5/1997
 EP 2 248 692 11/2010
 FR 0 715 101 11/1931
 FR 2 784 423 4/2000
 GB 0 824 390 11/1959
 GB 0 981 188 1/1965

(56)

References Cited

FOREIGN PATENT DOCUMENTS

GB	2 344 619	6/2000
GB	2 468 504	9/2010
JP	55-032965	3/1980
JP	61-502267	10/1986
JP	01-067548	3/1989
JP	07-167097	7/1995
JP	07-253231	10/1995
JP	08-219939	8/1996
JP	11-132543	5/1999
JP	2001-193979	7/2001
JP	2002-349489	12/2002
JP	2006-350237	12/2006
JP	2010-181124	8/2010
KR	20-0176664	4/2000
KR	2003-0025428	3/2003
KR	10-1255739	4/2013
RU	2400254 C2	9/2010
TW	M337636	8/2008

WO	WO 01/034983	5/2001
WO	WO 2005/091896	10/2005
WO	WO 2006/078102	7/2006
WO	WO 2008/062319	5/2008
WO	WO 2010/046536	4/2010
WO	WO 2010/114702	10/2010
WO	WO 2011/067430	6/2011
WO	WO 2012/174155	12/2012
WO	WO 2012/174156	12/2012
WO	WO 2015/187856	12/2015
WO	WO 2016/081693	5/2016

OTHER PUBLICATIONS

OC oval cylinder escutcheon, published date unknown, keelerhardware.com.au, site visited Nov. 13, 2017, Copyright © 2017, Available from Internet, <<https://www.keelerhardware.com.au/collections/grade-316-stainless-steel/products/oc-oval-cylinder-escutcheon>>.*

* cited by examiner

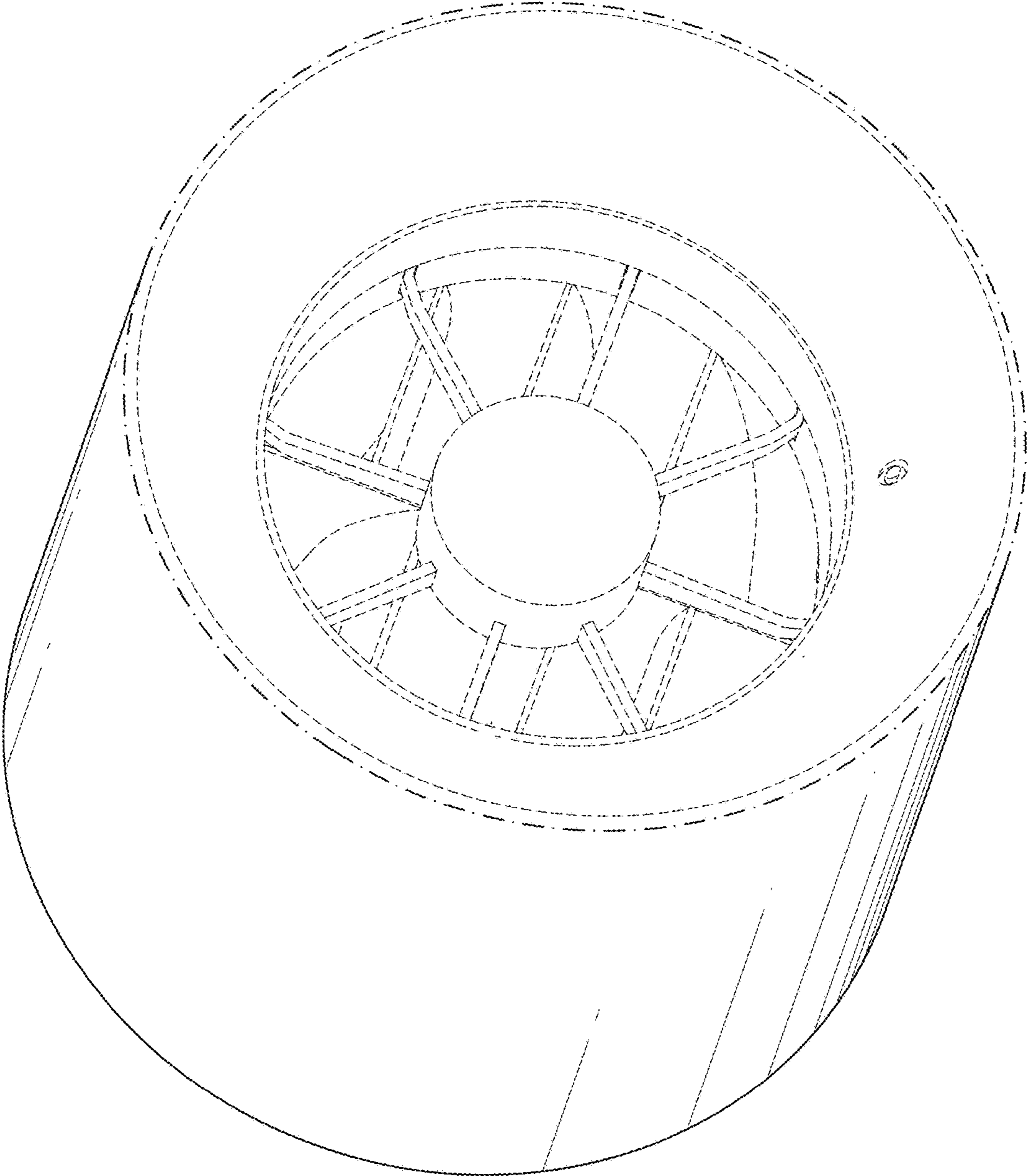


FIG. 1

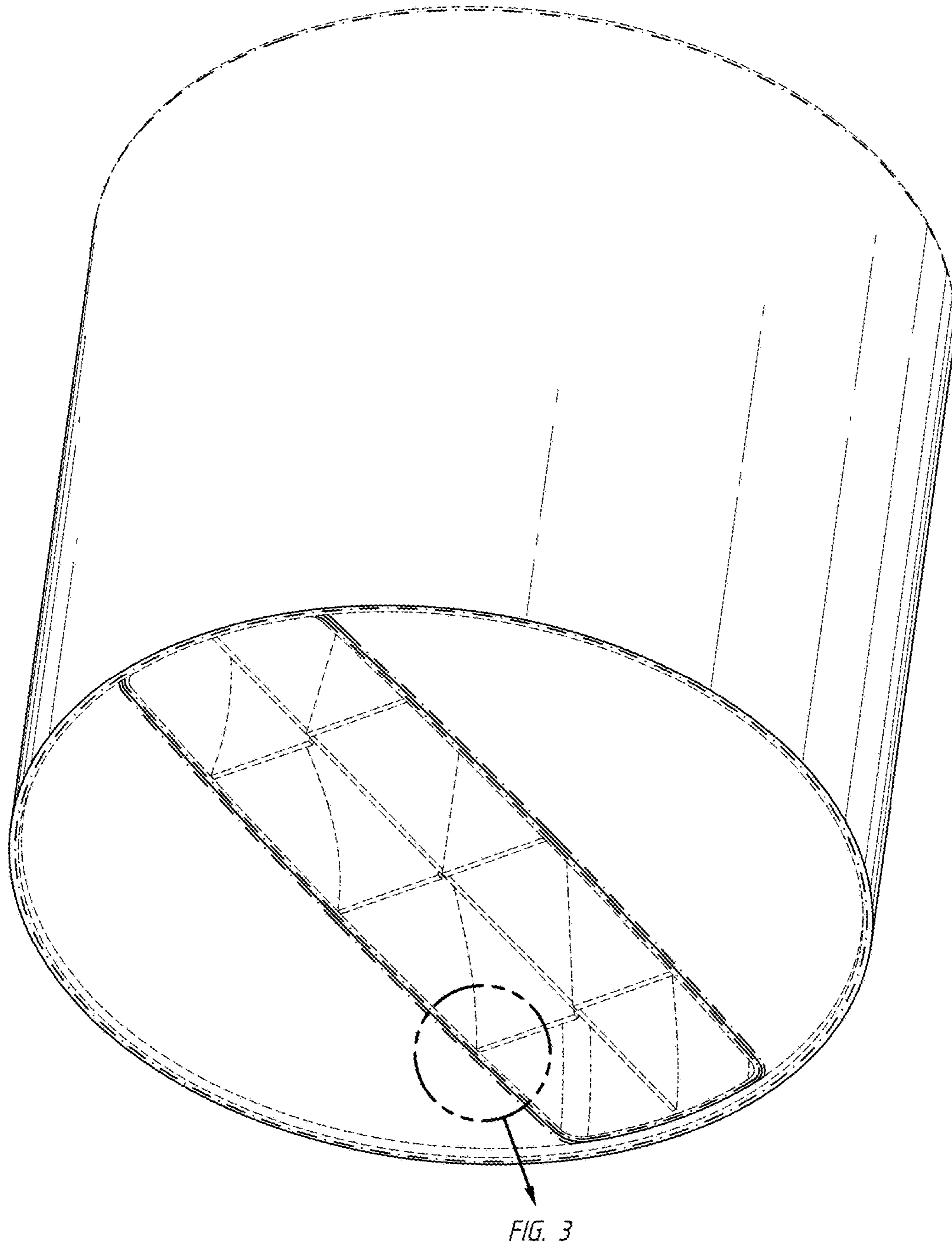


FIG. 2

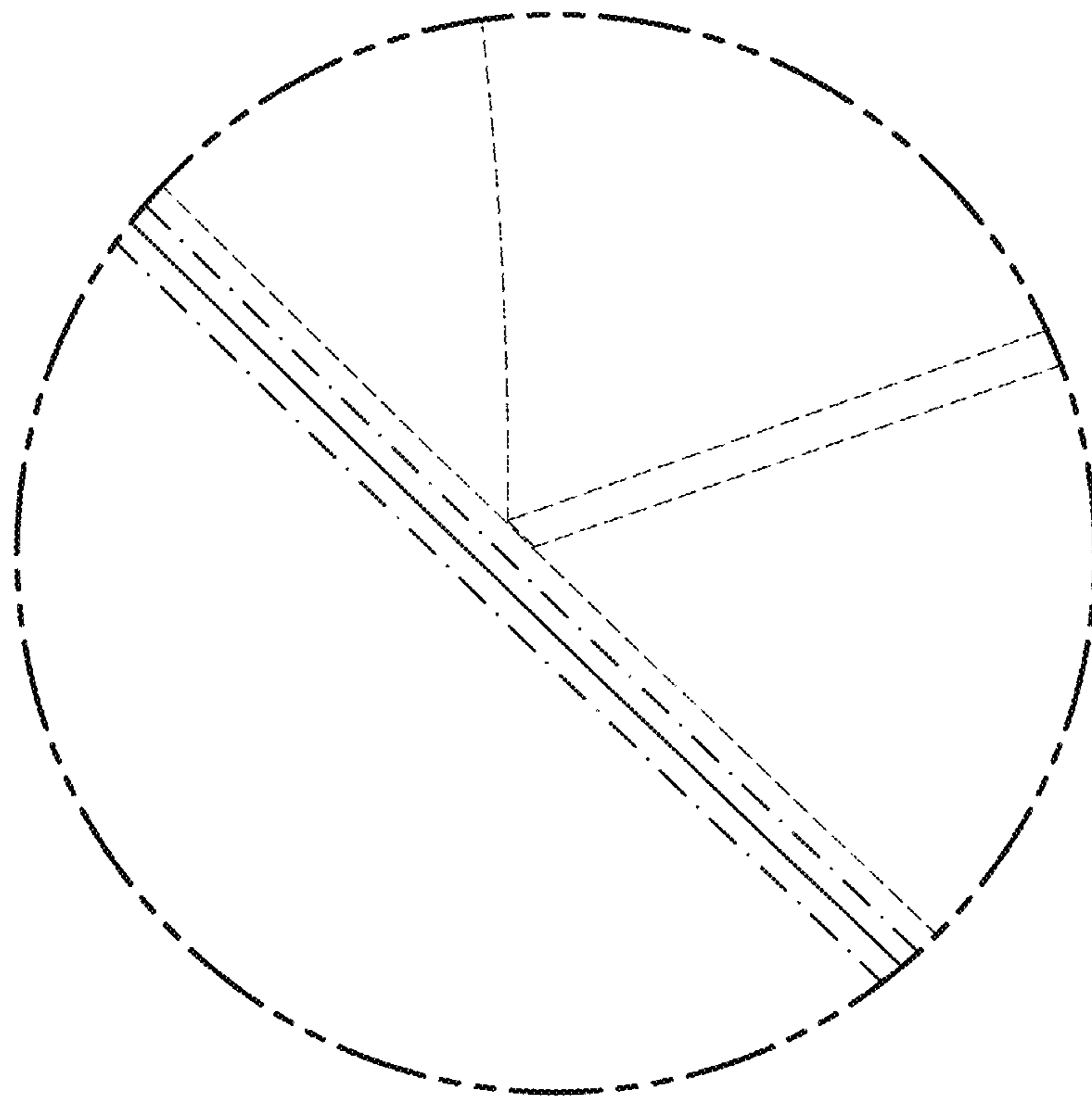


FIG. 3

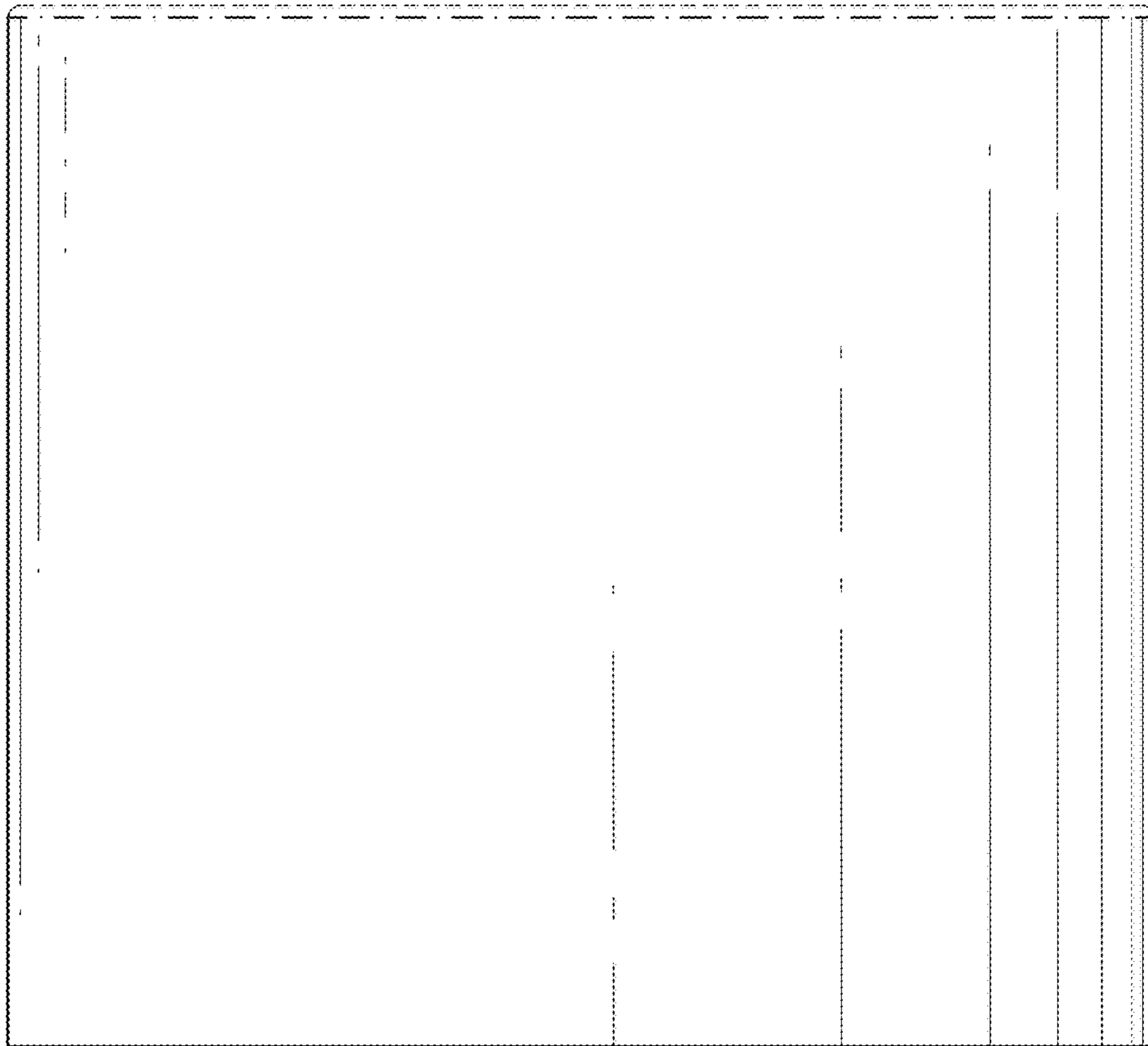


FIG. 4

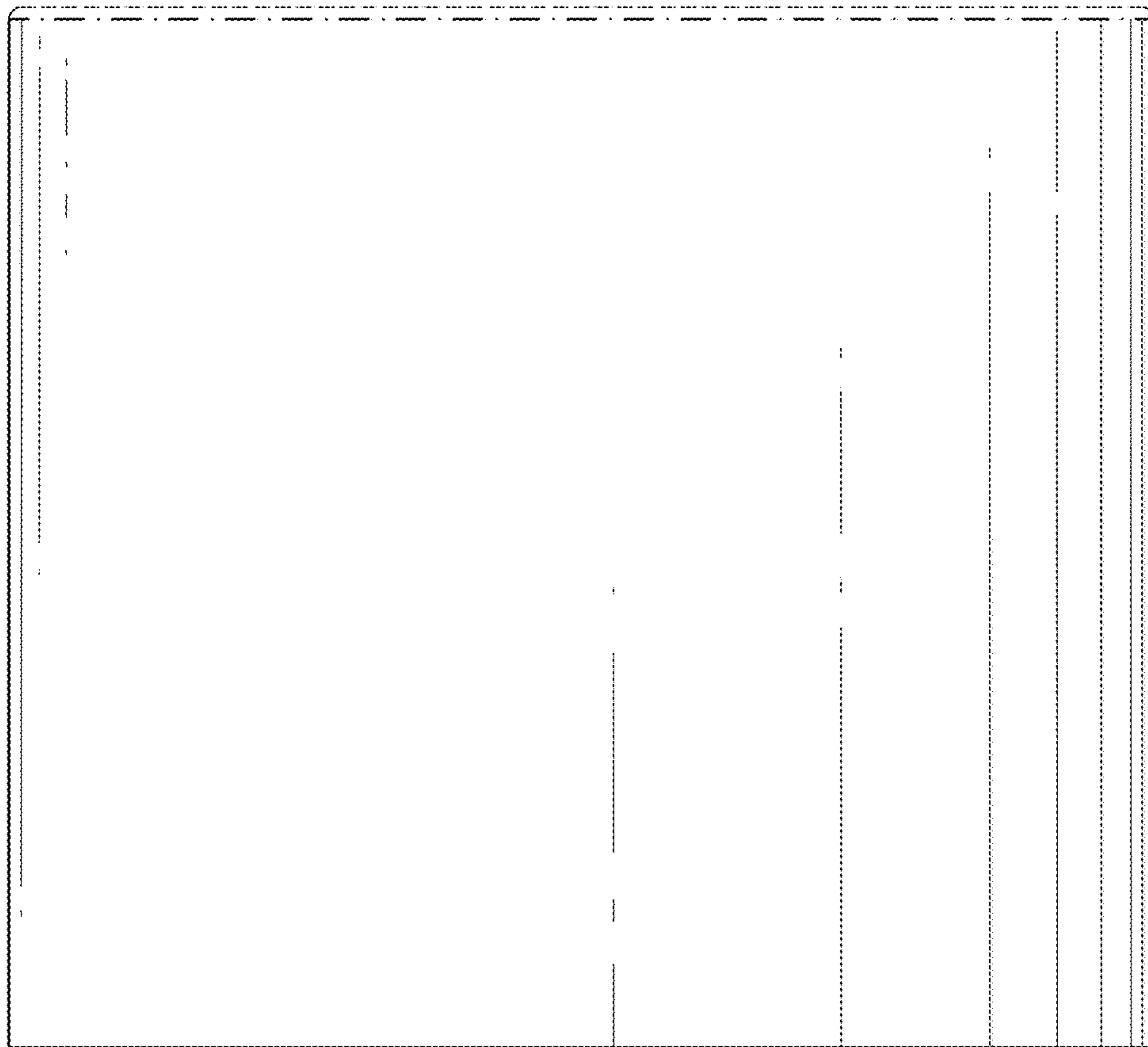


FIG. 5

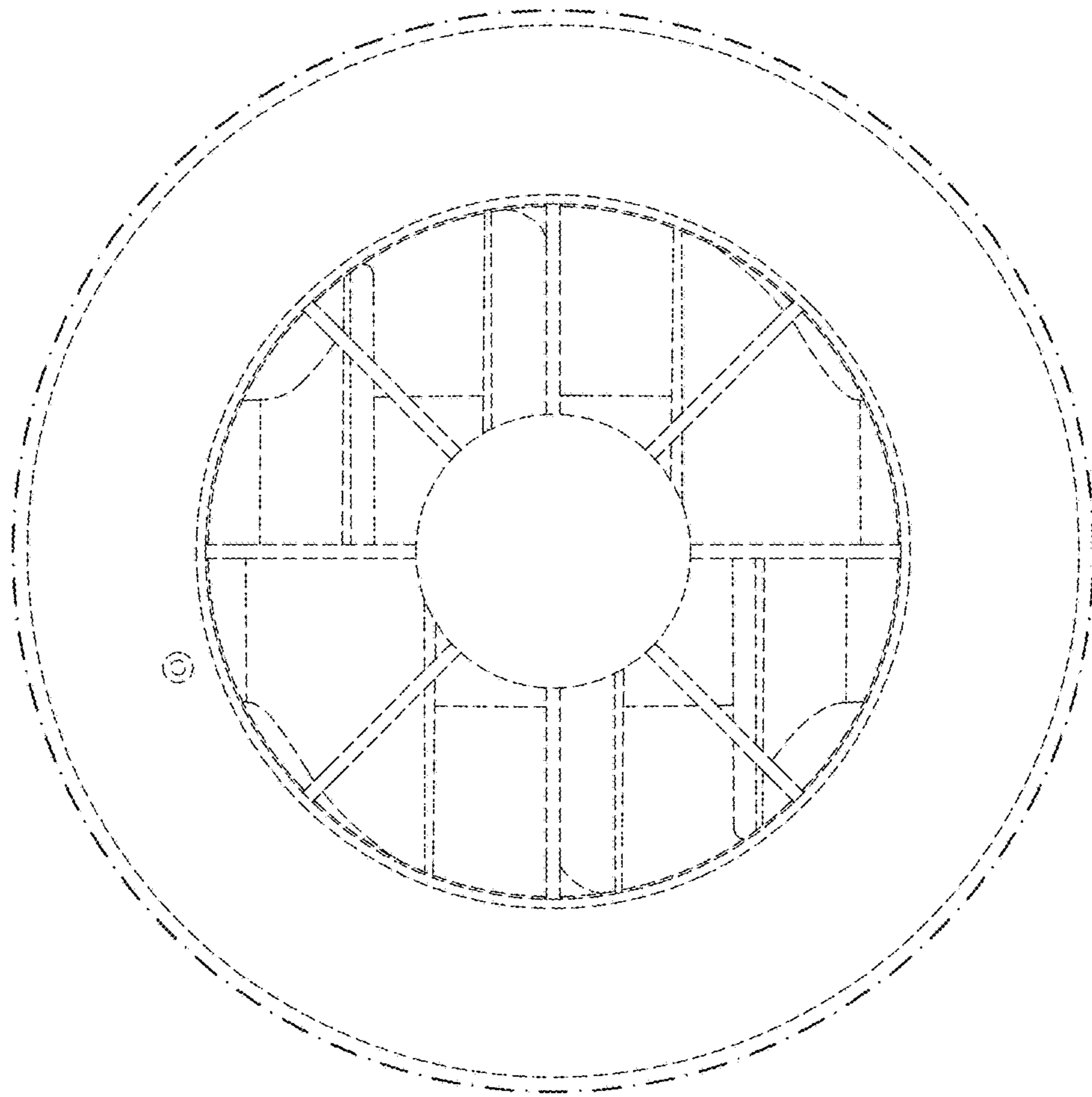


FIG. 6

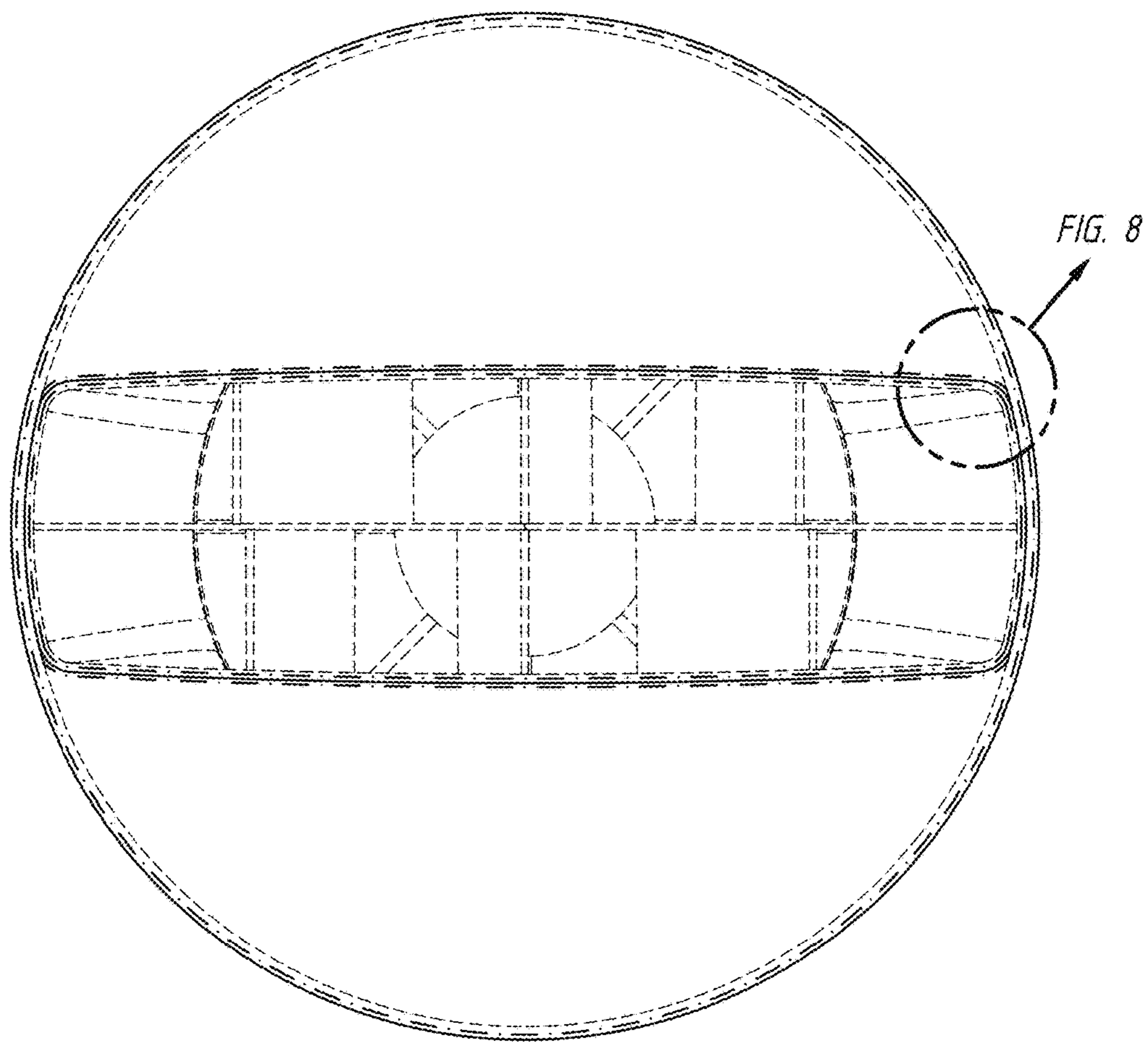


FIG. 7

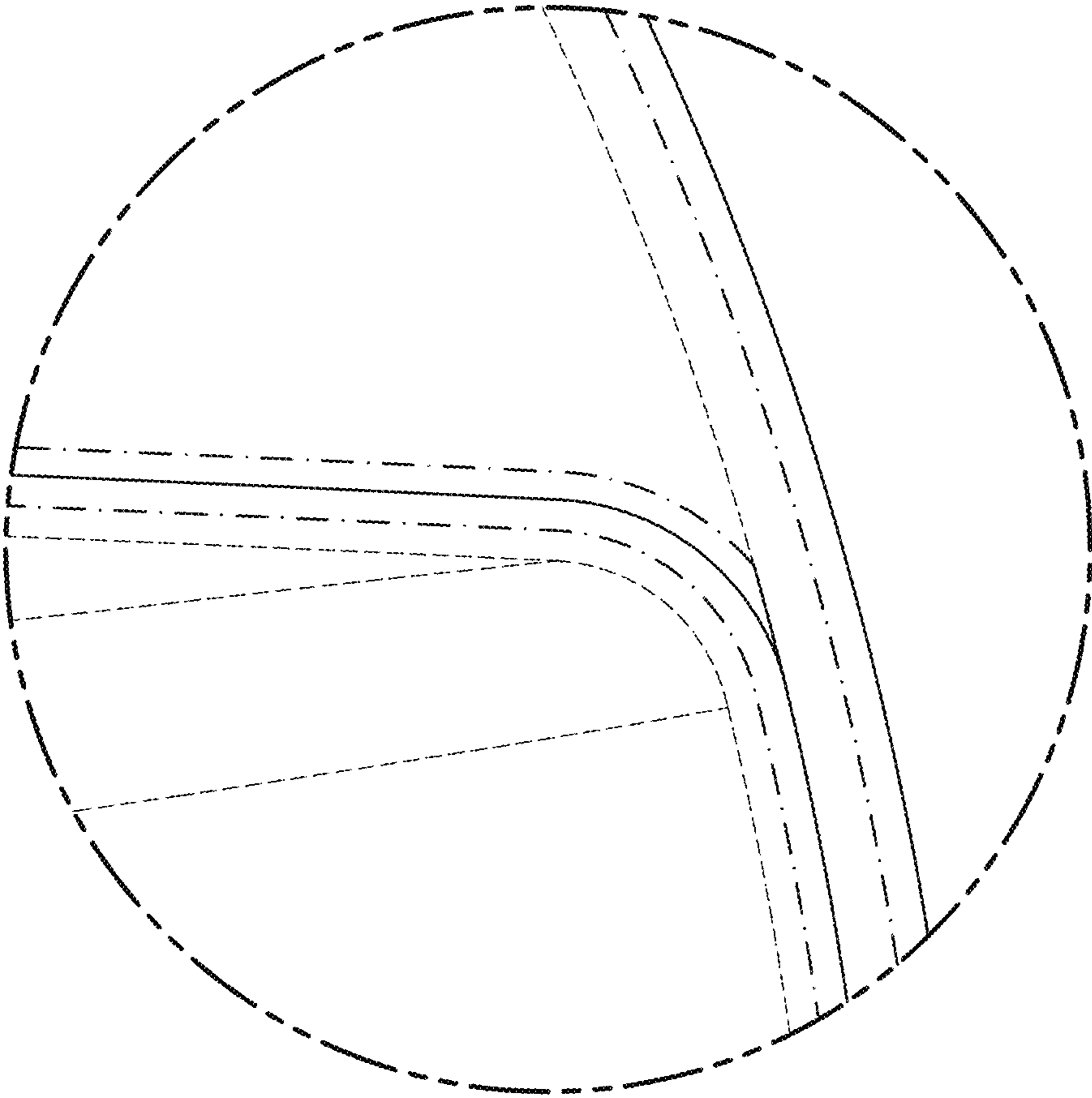


FIG. 8