

US00D848740S

(12) **United States Design Patent** (10) **Patent No.:** **US D848,740 S**
Karl (45) **Date of Patent:** **** May 21, 2019**

(54) **LUGGAGE WHEEL** 2,942,290 A 6/1960 Segal
2,980,944 A 4/1961 Bolinger
(71) Applicant: **Samsonite IP Holdings S.a r.l.**, 2,987,752 A 6/1961 Black
Luxembourg (LU) 3,102,744 A 9/1963 Reuter et al.
(Continued)

(72) Inventor: **Philip J. Karl**, Rehoboth, MA (US)

FOREIGN PATENT DOCUMENTS

(73) Assignee: **Samsonite IP Holdings S.a r.l.**,
Luxembourg (LU)

CA 2720562 A1 10/2009
CN 1315837 A 10/2001

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

(Continued)

(21) Appl. No.: **29/633,909**

OTHER PUBLICATIONS

(22) Filed: **Jan. 17, 2018**

Extended European Search Report dated Aug. 5, 2014, Application No. 13188762.2, 6 pages.

Related U.S. Application Data

(62) Division of application No. 29/569,350, filed on Jun. 27, 2016, now Pat. No. Des. 811,090.

Primary Examiner — Holly H Baynham

(51) **LOC (11) Cl.** **03-01**

(74) *Attorney, Agent, or Firm* — Dorsey & Whitney LLP

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

(57) **CLAIM**

USPC **D3/318; D8/375**

The ornamental design for a luggage wheel, as shown and described.

(58) **Field of Classification Search**

DESCRIPTION

USPC **D3/318; D8/375**

CPC **B62B 5/04; B60B 33/00**

See application file for complete search history.

FIG. 1 shows a front perspective view of a luggage wheel; FIG. 2 shows a front elevation view of the luggage wheel of FIG. 1;

(56) **References Cited**

U.S. PATENT DOCUMENTS

72,956 A 12/1867 Young et al.
128,925 A 7/1872 Taylor
D47,390 S 5/1915 Schwab
1,936,701 A 11/1933 Wilson
1,940,823 A 12/1933 Shinn
2,086,557 A 7/1937 Kaptuller
D114,527 S 5/1939 Boden
2,738,542 A 3/1956 Clark, Jr.
2,830,545 A 4/1958 Robinson et al.
2,914,340 A 11/1959 Black
2,923,961 A 2/1960 Black

FIG. 3 shows a rear elevation view of the luggage wheel of FIG. 1;

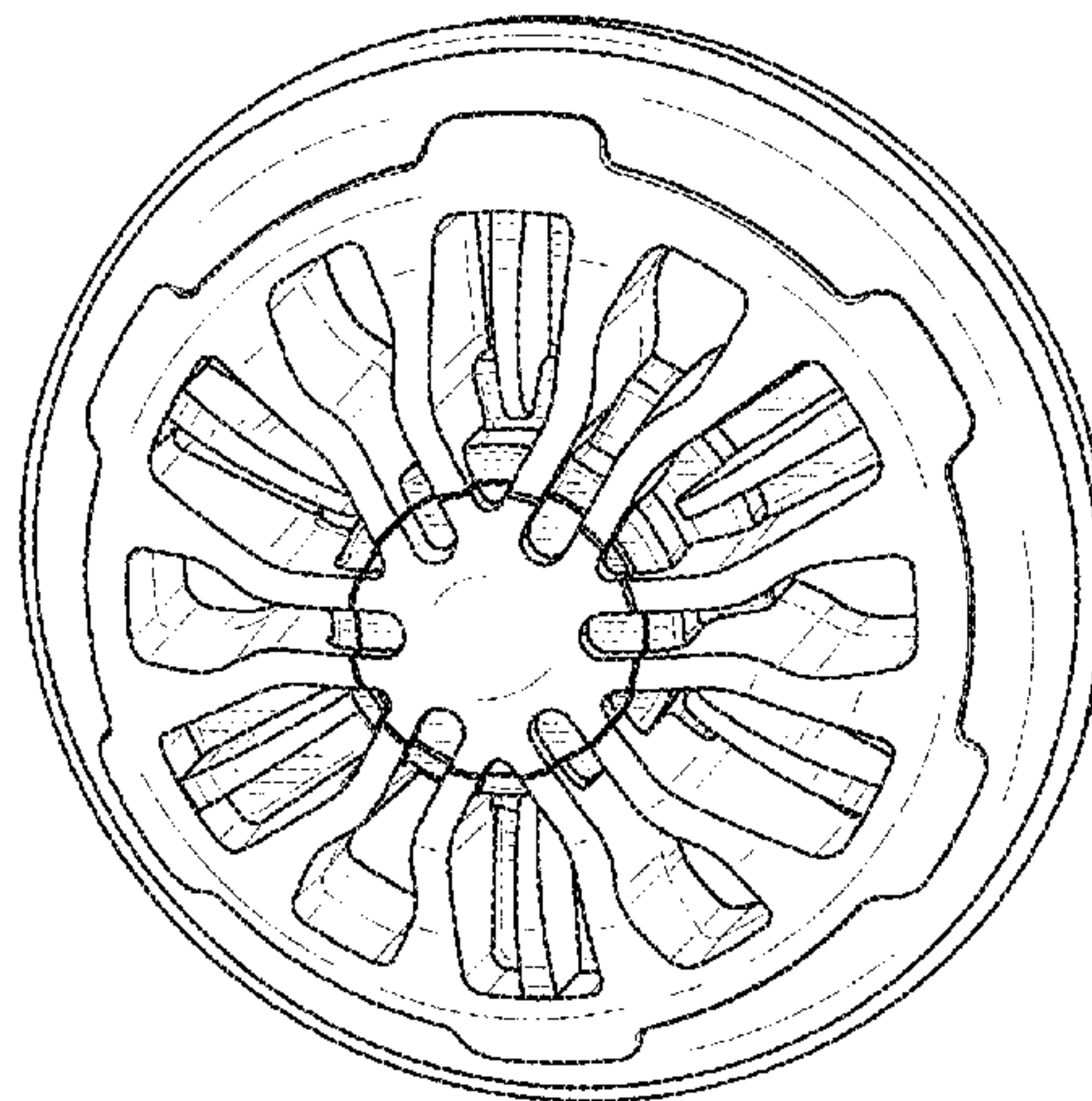
FIG. 4 shows a right elevation view of the luggage wheel of FIG. 1;

FIG. 5 shows a left elevation view of the luggage wheel of FIG. 1;

FIG. 6 shows a top view of the luggage wheel of FIG. 1; and, FIG. 7 shows a bottom view of the luggage wheel of FIG. 1.

The broken lines in FIGS. 1-7 illustrate the environment of the luggage wheel and form no part of the claimed invention.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

3,214,786 A	11/1965	Butsch	D582,160 S	12/2008	Sijmons
3,222,708 A	12/1965	Butsch	D582,678 S	12/2008	Rekuc
3,922,754 A	12/1975	Andersen	7,497,449 B2	3/2009	Logger
4,027,898 A	6/1977	Steen	7,506,404 B2	3/2009	Block et al.
4,084,288 A	4/1978	Black	D592,490 S	5/2009	Frame
4,161,803 A	7/1979	Propst	D603,163 S	11/2009	Van Himbeek
4,336,629 A	1/1982	Jarvis, Jr. et al.	7,657,969 B2	2/2010	Trivini
4,392,668 A	7/1983	Mulholland	7,744,102 B2	6/2010	Balley et al.
4,402,521 A	9/1983	Mongeon et al.	7,832,533 B2	11/2010	Selvi
4,403,784 A	9/1983	Gray	7,891,051 B2	2/2011	Chou
4,422,212 A	12/1983	Sheiman et al.	D633,299 S	3/2011	Moon
4,467,496 A	8/1984	Gregg	D634,124 S *	3/2011	Fair D3/318
4,524,482 A	6/1985	Mueller	D643,705 S	8/2011	Maeda et al.
4,649,595 A	3/1987	Shane	8,020,679 B2 *	9/2011	Wu A45C 5/143 16/18 CG
4,752,986 A	6/1988	Rivkin et al.	D652,216 S *	1/2012	Fair D3/318
4,759,097 A	7/1988	Black	D659,395 S	5/2012	Sijmons
5,068,943 A	12/1991	Estkowsk	8,452,508 B2	5/2013	Frolik et al.
5,075,924 A	12/1991	Estkowski et al.	8,490,243 B2	7/2013	Guo et al.
5,102,107 A	4/1992	Simon et al.	8,533,908 B2	9/2013	Scicluna
D359,676 S	6/1995	Liang	D697,717 S	1/2014	Santy
5,533,231 A	7/1996	Bai	D698,153 S	1/2014	Santy
5,615,450 A	4/1997	Butler	8,662,516 B1	3/2014	Slagerman
5,634,538 A	6/1997	Tsai	D703,442 S	4/2014	Parker
D384,629 S	10/1997	Nagashima	8,752,243 B2	7/2014	Guo et al.
5,785,154 A	7/1998	Chen	8,783,700 B2	7/2014	Li
5,961,131 A	10/1999	Hilgarth	8,806,714 B2	8/2014	Eguchi
5,967,535 A	10/1999	King	8,807,584 B2	8/2014	Lasher
D421,338 S	3/2000	Moon	D718,938 S *	12/2014	Parker D3/318
D433,088 S	10/2000	Galy	D721,497 S	1/2015	Parker
D434,904 S	12/2000	Huang	D721,501 S	1/2015	Parker
6,193,324 B1	2/2001	Chan	D728,354 S	5/2015	Fan
D438,382 S	3/2001	Chang	D729,051 S	5/2015	Fan
D439,410 S	3/2001	Chang	D732,293 S *	6/2015	Parker D3/318
6,256,835 B1	7/2001	Wang	9,044,656 B2	6/2015	Zhang
D448,278 S	9/2001	Chi	D735,022 S	7/2015	Fan
D448,826 S	10/2001	Galy	D741,599 S *	10/2015	Parker D3/318
6,322,156 B1	11/2001	Kuo	9,216,754 B2 *	12/2015	Chen B62B 5/0447
6,354,412 B1	3/2002	Kuo	D753,920 S	4/2016	Parker
6,357,793 B1	3/2002	Dickie et al.	D755,524 S	5/2016	Parker
6,409,196 B1	6/2002	McFarland	D767,280 S *	9/2016	Parker D3/318
6,478,315 B1	11/2002	Manesis	9,636,948 B2	5/2017	Hillaert et al.
D470,748 S	2/2003	Tsai	D790,215 S *	6/2017	Nair D3/243
6,532,623 B1	3/2003	Watanabe	D792,093 S *	7/2017	Venturini Fendi D3/243
D473,379 S	4/2003	Moon	D798,049 S *	9/2017	Hawkes D3/243
6,539,578 B1	4/2003	Guttmann et al.	D799,818 S *	10/2017	Nair D3/243
D474,024 S	5/2003	Santy	9,788,623 B1	10/2017	Chen
D476,484 S	7/2003	Santy et al.	D803,554 S *	11/2017	Maier D3/243
D481,931 S	11/2003	Chi	D803,555 S *	11/2017	Maier D3/243
D482,265 S	11/2003	Wicha	D811,090 S	2/2018	Karl
D484,028 S	12/2003	Moon	2002/0069479 A1	6/2002	Kuo
D487,348 S	3/2004	Fenton et al.	2002/0144375 A1	10/2002	Drucker et al.
D491,365 S	6/2004	Proot	2004/0111830 A1	6/2004	Cooper et al.
D492,894 S	7/2004	Cheng	2006/0043688 A1	3/2006	Chang
6,776,428 B2	8/2004	Strong	2007/0056141 A1	3/2007	Armano et al.
D496,259 S	9/2004	Cheng	2007/0119661 A1	5/2007	Chang
6,789,810 B2	9/2004	Strong	2008/0007022 A1	1/2008	Jones
D505,316 S	5/2005	Topel	2008/0116660 A1	5/2008	Nicholls
6,892,421 B2	5/2005	Cooper et al.	2008/0120803 A1	5/2008	Bryant
6,908,087 B2	6/2005	Wintersgill et al.	2009/0031533 A1	2/2009	Yan
D513,560 S	1/2006	Neumann	2010/0230223 A1	9/2010	Wu
D525,033 S	7/2006	Neumann	2011/0168508 A1	7/2011	Jiang
D539,543 S	4/2007	Wu	2012/0005858 A1	1/2012	Lai
D541,047 S	4/2007	Moon	2012/0086193 A1	4/2012	Guo
D541,048 S	4/2007	Moon	2012/0255141 A1	10/2012	Lin et al.
7,210,690 B2	5/2007	Yi-Cheng	2012/0311821 A1	12/2012	Eguchi
7,213,818 B2	5/2007	Chang	2013/0093155 A1	4/2013	Gong
D550,950 S	9/2007	Vanderminden	2013/0205544 A1	8/2013	Dayt et al.
D556,555 S	12/2007	Tamara	2014/0041978 A1	2/2014	Chang
D556,556 S	12/2007	Tamara	2014/0110204 A1	4/2014	Wu
D557,900 S	12/2007	Sijmons	2014/0232077 A1	8/2014	Zhang
D575,512 S	8/2008	Moon	2014/0262661 A1	9/2014	Mathieu et al.
D575,957 S	9/2008	Scicluna et al.	2015/0102573 A1	4/2015	Hillaert et al.
D576,407 S	9/2008	Moon	2015/0150347 A1	6/2015	Scicluna
7,437,801 B2	10/2008	Dahl			
D581,161 S	11/2008	Tong			

(56)

References Cited

U.S. PATENT DOCUMENTS

2016/0286914 A1 10/2016 Hillaert et al.
2017/0367450 A1 12/2017 Karl

FOREIGN PATENT DOCUMENTS

CN 1852811 A 10/2006
CN 201194600 Y 2/2009
CN 101443201 B 12/2010
CN 201675239 U 12/2010
CN 202278929 U 6/2012
CN 102578778 A 7/2012
CN 202407510 9/2012
CN 202528768 11/2012
CN 102991559 A 3/2013
CN 202782503 U 3/2013
DE 29710837 U1 8/1997
DE 20309968 U1 8/2003
EM 001175822-0002 4/2009

EM 002514364-0002 8/2014
EM 002563783-0003 10/2014
EM 002872192-0001 11/2015
EM 002872192-0002 11/2015
EM 002872192-0011 11/2015
EM 002872192-0012 11/2015
EM 002872192-0015 11/2015
EP 0075456 A1 3/1983
EP 0051995 A1 11/1986
EP 1117311 A1 7/2001
EP 2862473 A1 4/2015
EP 3075567 A1 10/2016
FR 2007012 A1 1/1970
FR 2763285 A1 11/1998
FR 2799179 B3 4/2001
GB 239701 A 9/1925
GB 450893 A 7/1936
GB 928709 A 6/1963
JP 2013237446 A 11/2013
WO 2007/118102 A1 10/2007

* cited by examiner

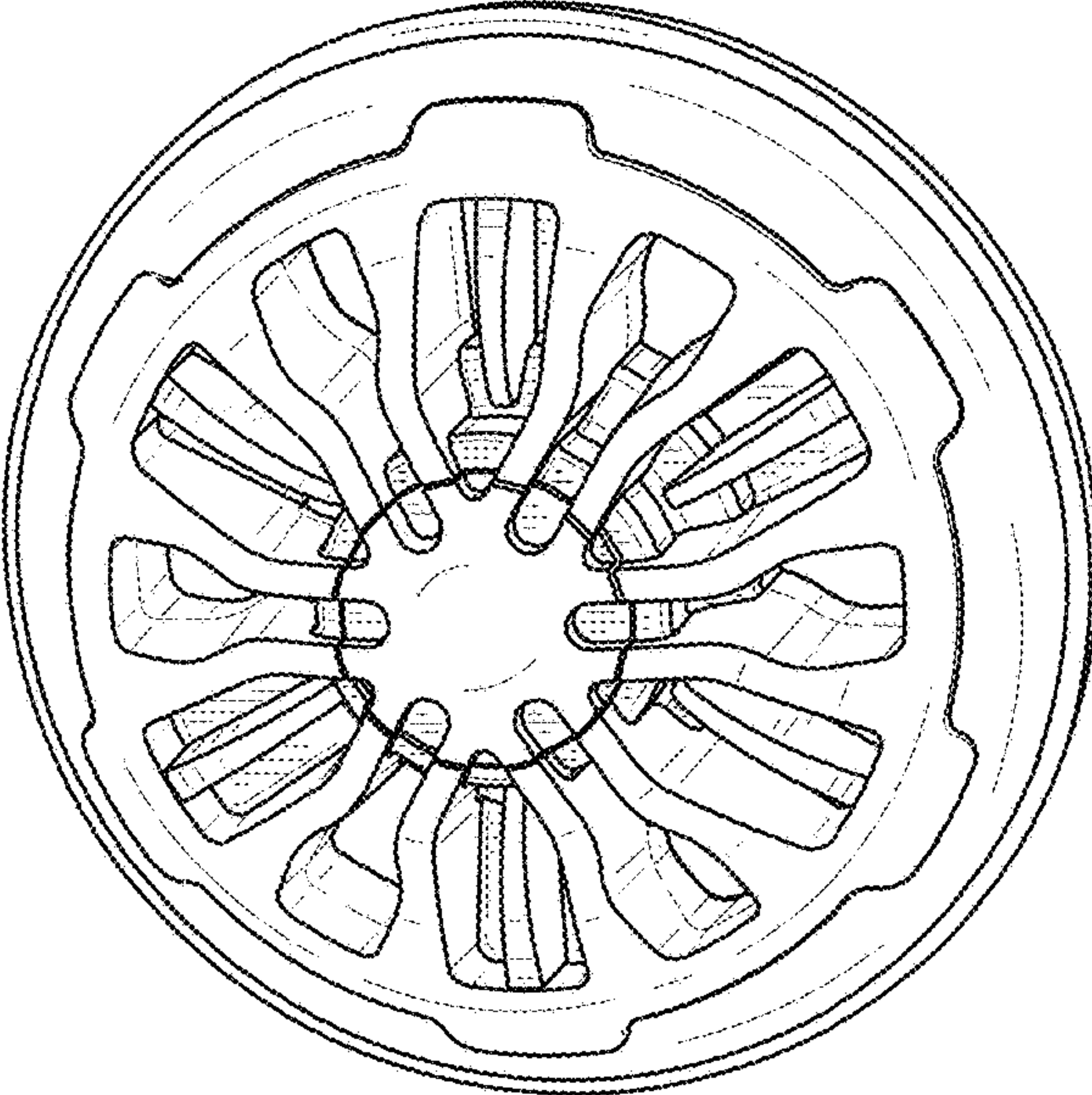


FIG. 1

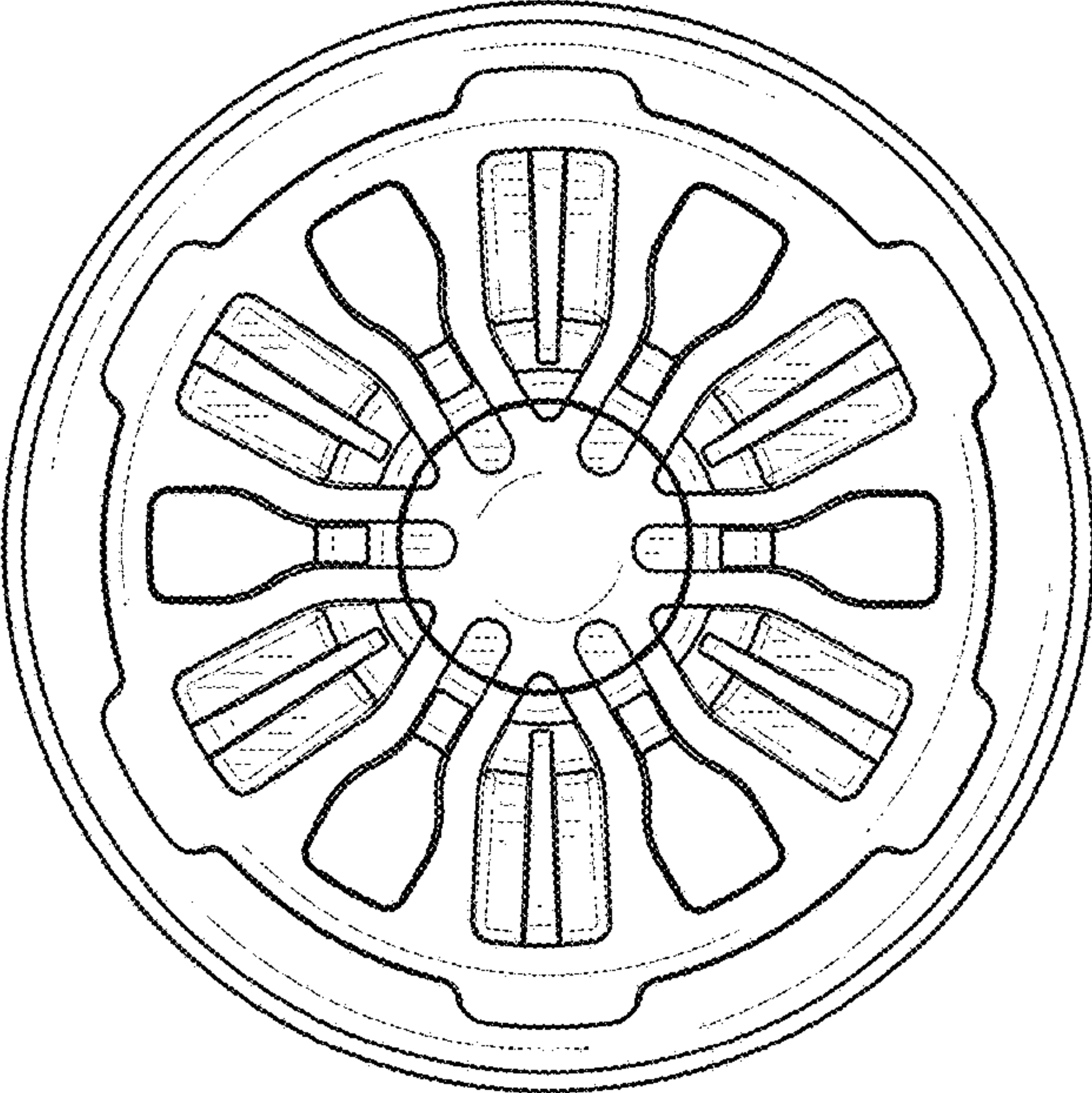


FIG. 2

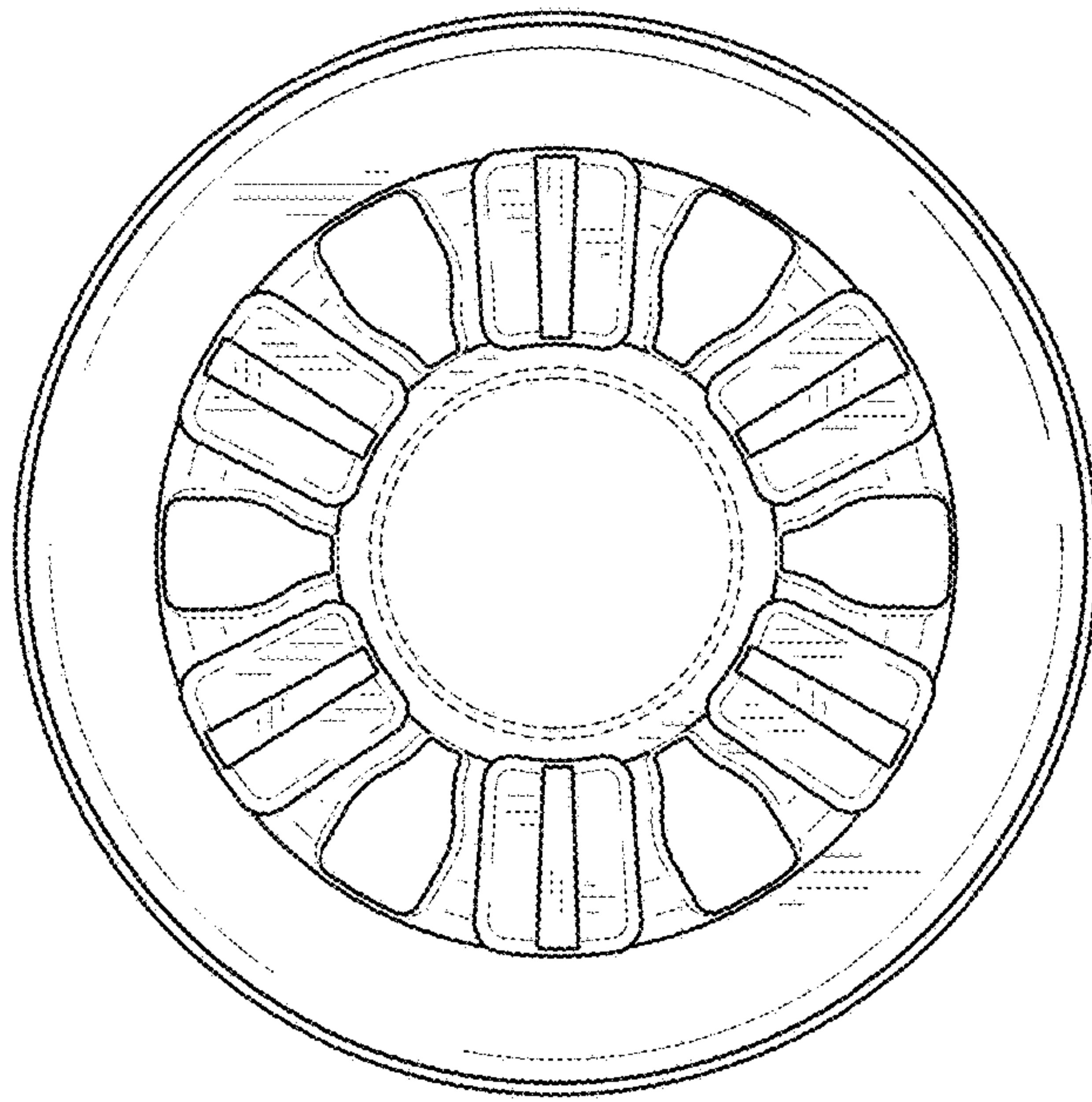


FIG. 3

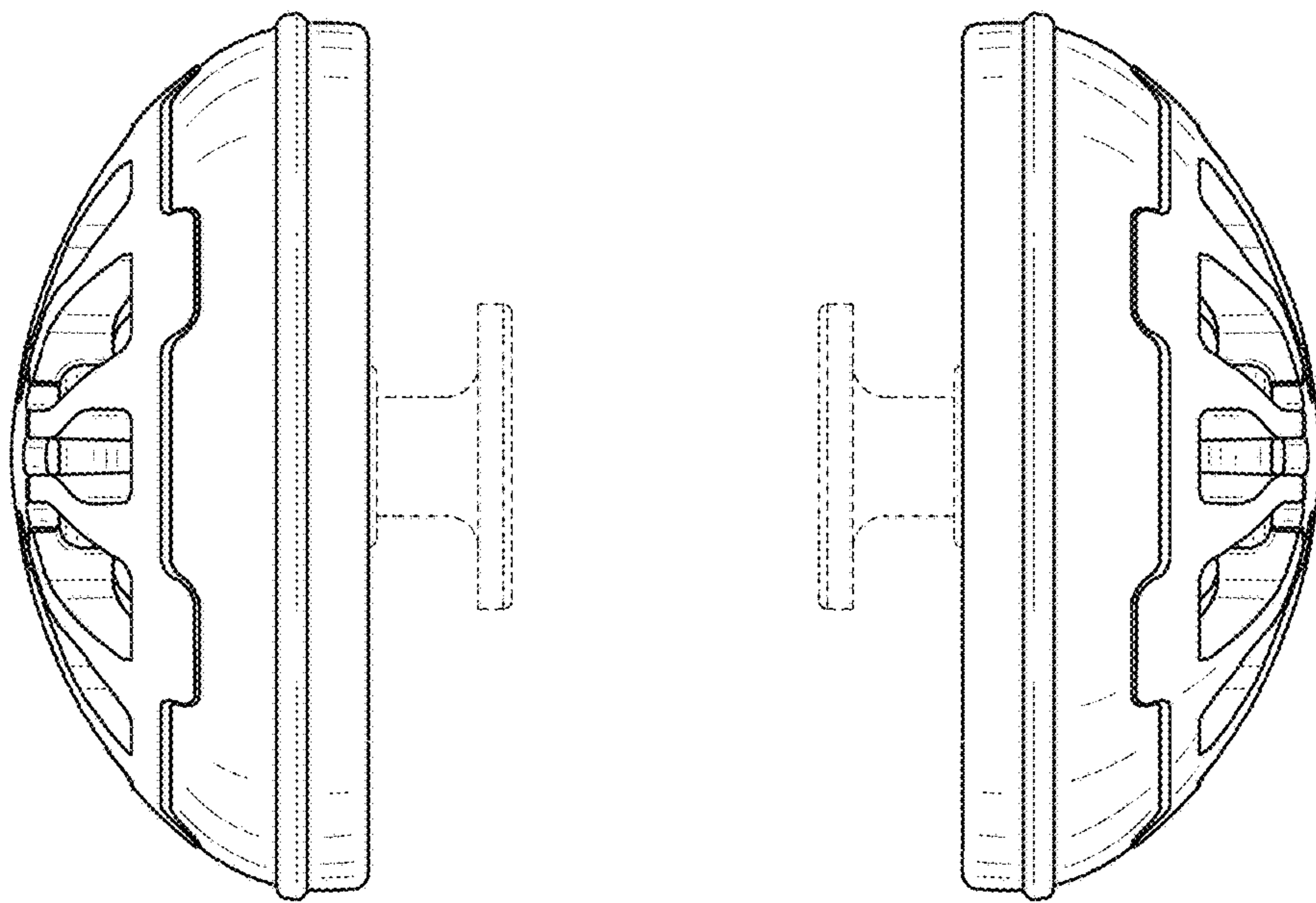


FIG. 4

FIG. 5

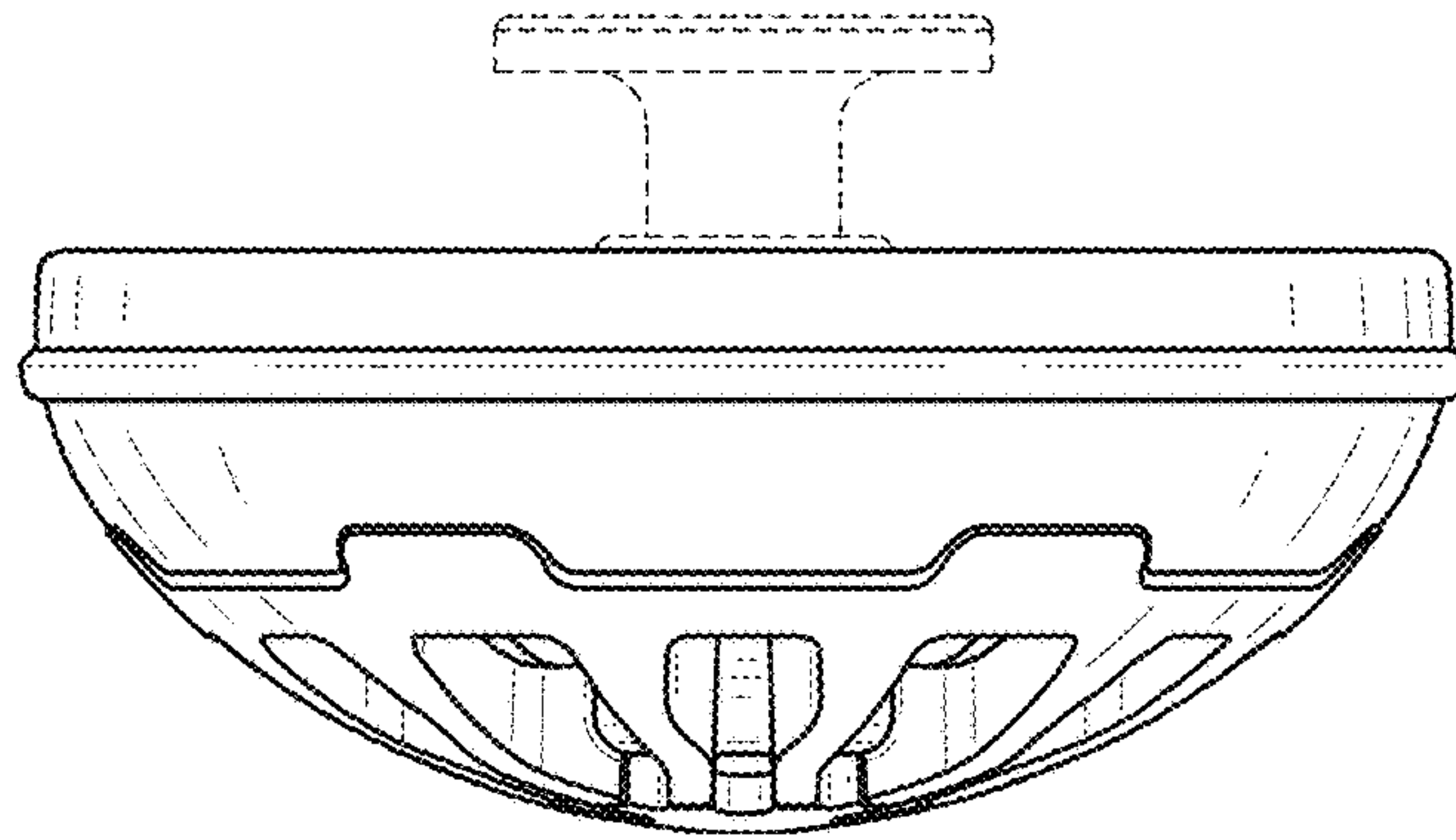


FIG. 6

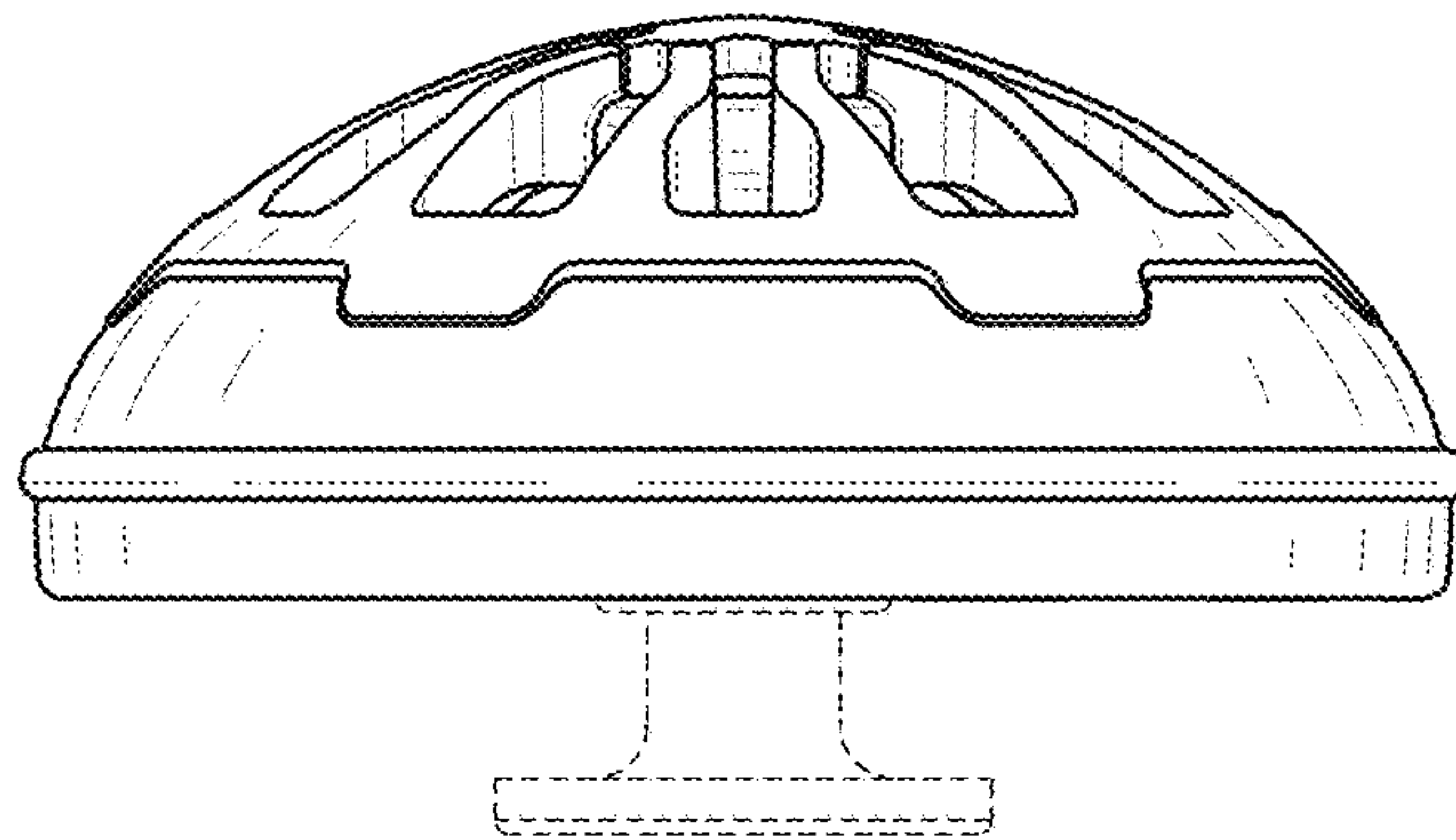


FIG. 7