



US00D974333S

(12) **United States Design Patent**
Takahashi

(10) **Patent No.:** **US D974,333 S**
(45) **Date of Patent:** **** Jan. 3, 2023**

(54) **ON-VEHICLE SPEAKER**
(71) Applicant: **JVCKENWOOD Corporation,**
Yokohama (JP)
(72) Inventor: **Noriyuki Takahashi,** Yokohama (JP)
(73) Assignee: **JVCKENWOOD Corporation,**
Yokohama-Shi (JP)

D291,079 S * 7/1987 Ohtsuji D14/215
5,625,701 A * 4/1997 Scanlan H04R 7/16
381/403
D451,499 S * 12/2001 Stompler D14/224
(Continued)

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

FOREIGN PATENT DOCUMENTS

CN 305478943 * 12/2019
IN 329946-001-0001 * 6/2020
(Continued)

(21) Appl. No.: **29/731,885**

OTHER PUBLICATIONS

(22) Filed: **Apr. 20, 2020**

What Are the Advantages of a Three-Way Front Stage?, announced May 1, 2020 [online], retrieved Jan. 10, 2022, retrieved from internet, <https://www.bestcaraudio.com/what-are-the-advantages-of-a-three-way-front-stage/>.*

(30) **Foreign Application Priority Data**

Oct. 25, 2019 (JP) 2019-023754

(Continued)

(51) **LOC (14) Cl.** **14-01**

Primary Examiner — Messina L Smith

(52) **U.S. Cl.**
USPC **D14/222**

(74) *Attorney, Agent, or Firm* — Amin, Turocy & Watson, LLP

(58) **Field of Classification Search**
USPC D14/159, 218, 217, 219, 220, 221, 222,
D14/223, 224, 224.1, 225, 227, 228, 229,
D14/299, 204, 209, 185
CPC . H04R 1/00; H04R 1/02; H04R 1/323; H04R
1/326; H04R 1/403; H04R 1/406; H04R
1/222; H04R 1/023; H04R 7/00; H04R
7/20; H04R 27/00; H04R 2201/00; H04R
2400/00; H04R 17/02; H04R 29/004;
H04R 29/005; H04R 19/00; H04R
2420/07; H04R 2410/00
See application file for complete search history.

(57) **CLAIM**

The ornamental design for an on-vehicle speaker, as shown and described.

DESCRIPTION

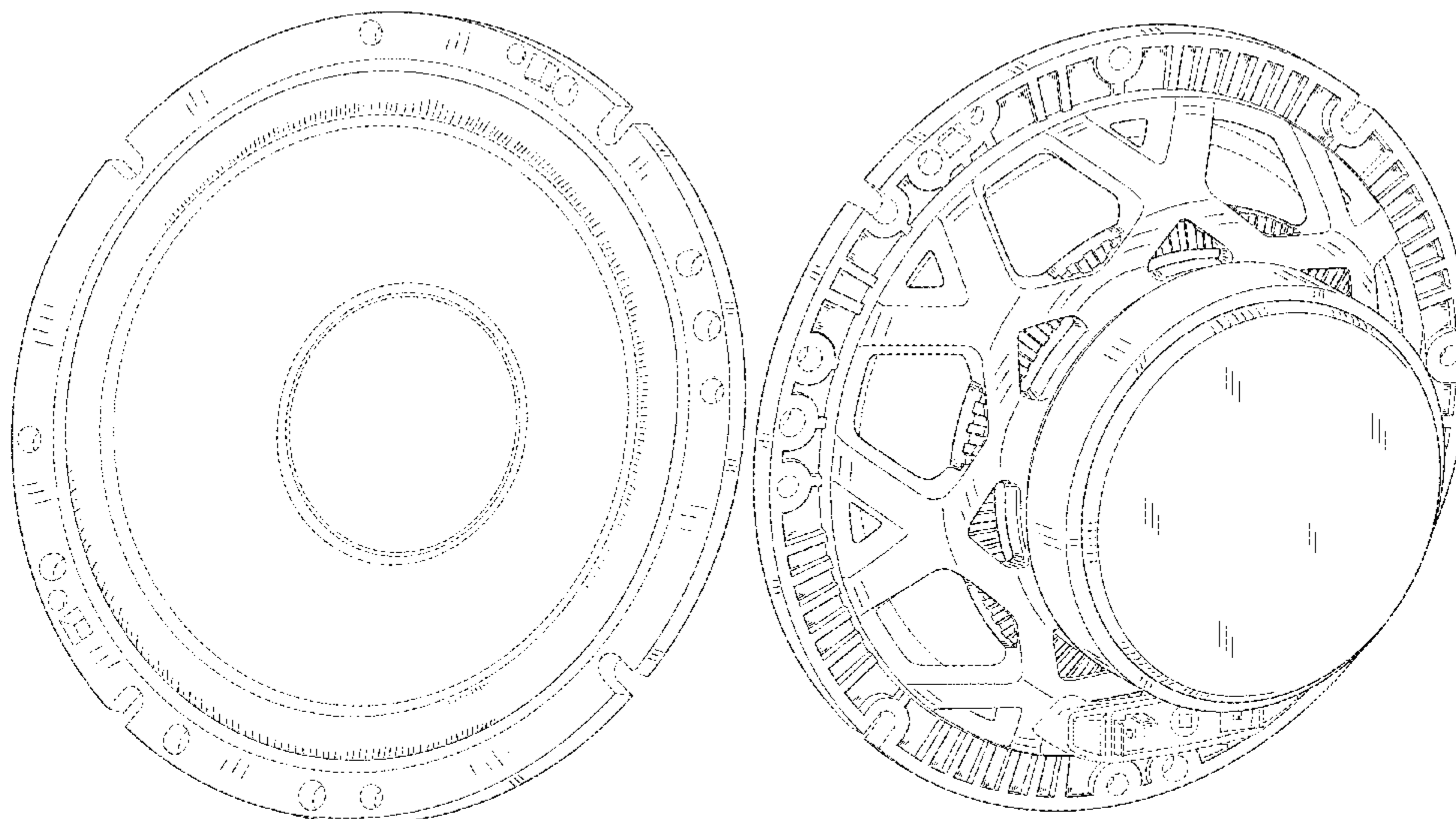
FIG. 1 is a right, front, and bottom perspective view of an on-vehicle speaker showing my new design; FIG. 2 is a right, rear, and top perspective view thereof; FIG. 3 is a front elevational view thereof; FIG. 4 is a rear elevational view thereof; FIG. 5 is a top plan view thereof; FIG. 6 is a bottom plan view thereof; FIG. 7 is a left side elevational view thereof; and, FIG. 8 is a right side elevational view thereof. The broken lines in the drawings are for the purpose of illustrating portions of the on-vehicle speaker that form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,894,182 A * 7/1959 Zuerker H01F 7/0289
335/296
4,198,550 A * 4/1980 Matsuda H04R 7/06
181/167

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D455,733 S * 4/2002 Stompler D14/224
 D463,407 S * 9/2002 Ballard D14/224
 D483,743 S * 12/2003 Vosse D14/224
 6,938,726 B1 * 9/2005 Roark H04R 9/04
 181/171
 D691,598 S * 10/2013 Fuller D14/224
 D705,756 S * 5/2014 Kerstein D14/222
 D749,058 S * 2/2016 Sung D14/216
 D756,973 S * 5/2016 Wright D14/224
 D762,194 S * 7/2016 Komazaki D14/216
 D767,541 S * 9/2016 Baird D14/222
 D804,453 S * 12/2017 Katsuno D14/222
 D804,454 S * 12/2017 Katsuno D14/222
 D808,935 S * 1/2018 Bullimore D14/224
 D840,375 S * 2/2019 Sakata D14/216
 D851,737 S * 6/2019 Krombein D23/259
 D864,913 S * 10/2019 Kitamura D14/216
 D864,914 S * 10/2019 Kitamura D14/216
 D864,916 S * 10/2019 Wakasa D14/221
 D865,719 S * 11/2019 Tanabe D14/221
 D877,125 S * 3/2020 Fuller D14/224
 D884,683 S * 5/2020 Muramoto D14/224
 D886,776 S * 6/2020 Bunning D14/204
 D892,766 S * 8/2020 Matsubayashi D14/216
 D897,312 S * 9/2020 Matsubayashi D14/216
 D898,707 S * 10/2020 Burkhardt D14/221
 D900,061 S * 10/2020 Mihara D14/216
 D920,286 S * 5/2021 Jensen D14/216
 D924,835 S * 7/2021 DeLuna D14/204
 D924,846 S * 7/2021 Brown D14/222
 D926,723 S * 8/2021 Kitamura D14/204
 D931,837 S * 9/2021 Lum D14/219
 2001/0004954 A1 * 6/2001 Kato H04R 7/02
 181/173

2002/0025059 A1 * 2/2002 Kudo H04R 7/125
 381/423
 2002/0071592 A1 * 6/2002 Proni H04R 9/06
 381/423
 2004/0101155 A1 * 5/2004 Chan H04R 9/045
 381/407
 2004/0175014 A1 * 9/2004 Liu H04R 1/028
 381/386
 2005/0185816 A1 * 8/2005 Roark H04R 9/06
 381/400
 2016/0127832 A1 * 5/2016 Chou H04R 7/16
 381/398
 2019/0126844 A1 * 5/2019 Kim H04R 5/02
 2019/0174224 A1 * 6/2019 Chen H04R 9/06
 2020/0304918 A1 * 9/2020 Shigeta H04R 7/12
 2021/0021918 A1 * 1/2021 Skovgaard H04R 9/06

FOREIGN PATENT DOCUMENTS

JP D1589863 * 10/2017
 JP D1663431 * 6/2020

OTHER PUBLICATIONS

Car Subwoofer and Speaker Systems, announced © 2021 [online],
 retrieved Jan. 10, 2022, retrieved from internet, <https://www.tintworld.com/services/automotive-services/car-audio-video/car-subwoofers-speakers/>.
 Focal 3 Way 160 Watt Speaker, announced May 3, 2016 [online],
 retrieved Jan. 10, 2022, retrieved from internet, <https://www.amazon.in/Focal-3-Way-Component-Speaker/dp/B00II0WBXS>.
 GoMechanic Godryft Premium A1 260 Watt Peak 60 Watt RMS
 In-wall Speaker, announced Apr. 12, 2021 [online], retrieved Jan.
 10, 2022, retrieved from internet, <https://www.amazon.in/GoMechanic-Premium-Coaxial-Speaker-Inbuilt/dp/B08W8GZ3H9>.

* cited by examiner

Fig.1

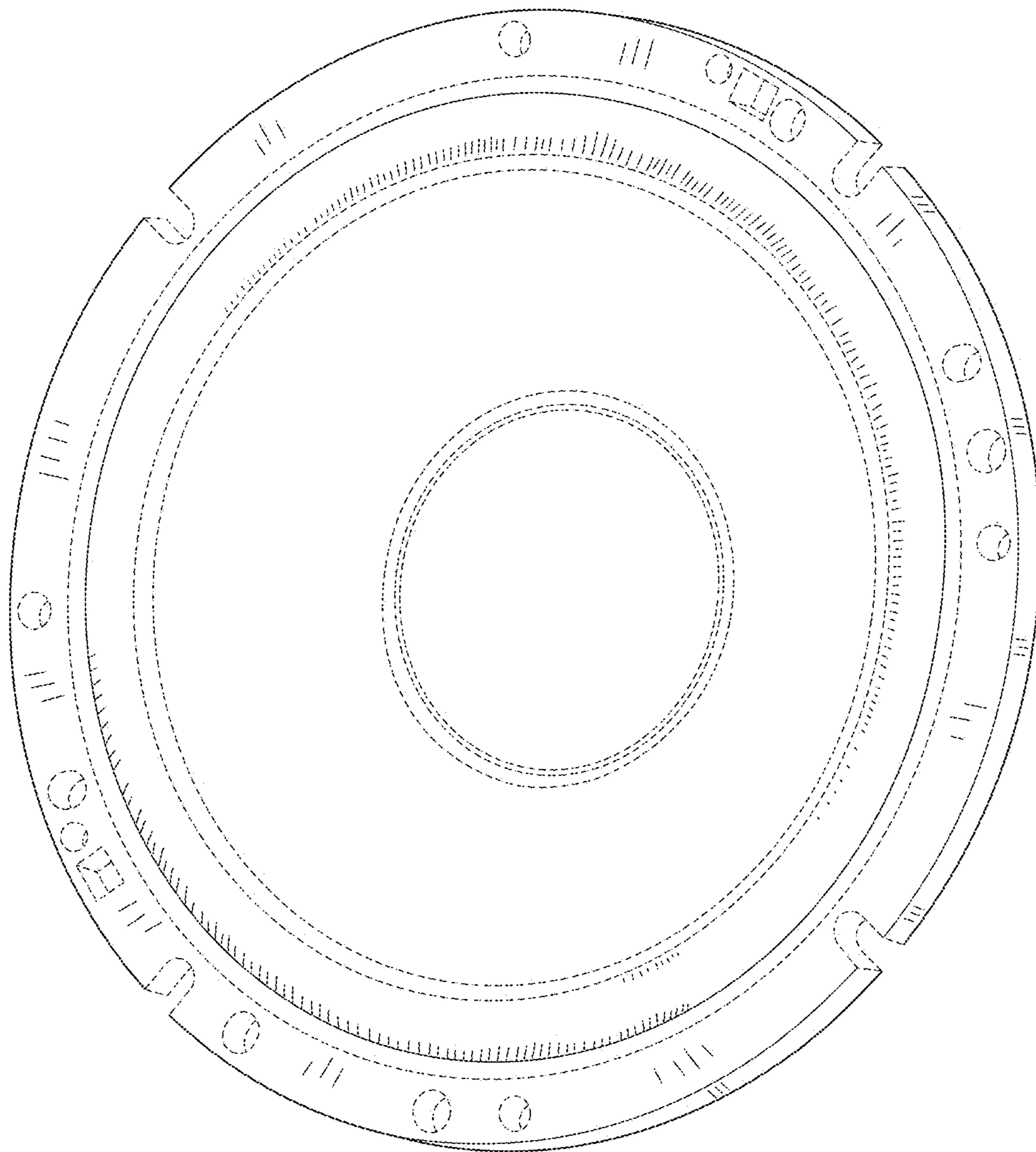


Fig.2

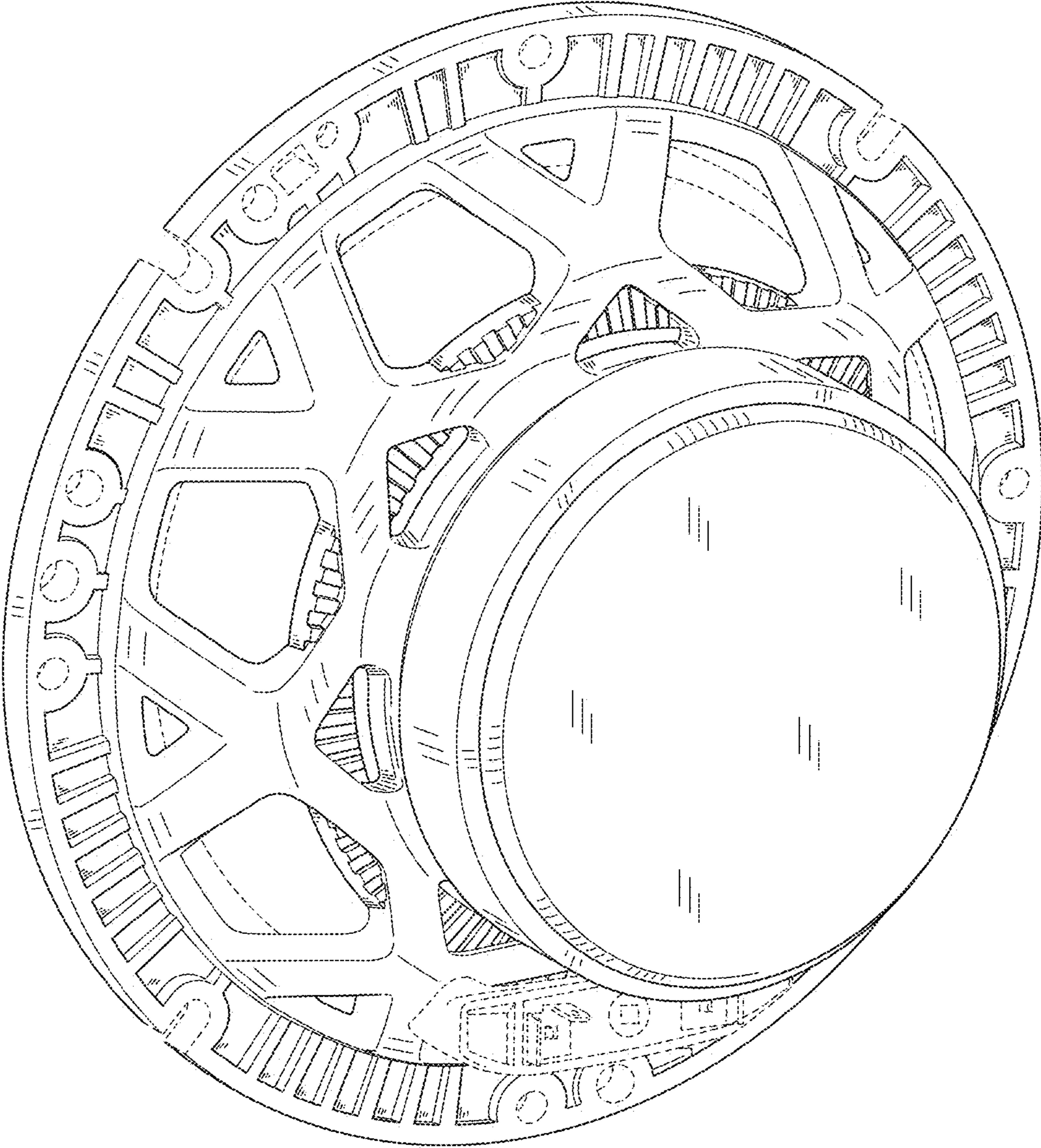


Fig.3

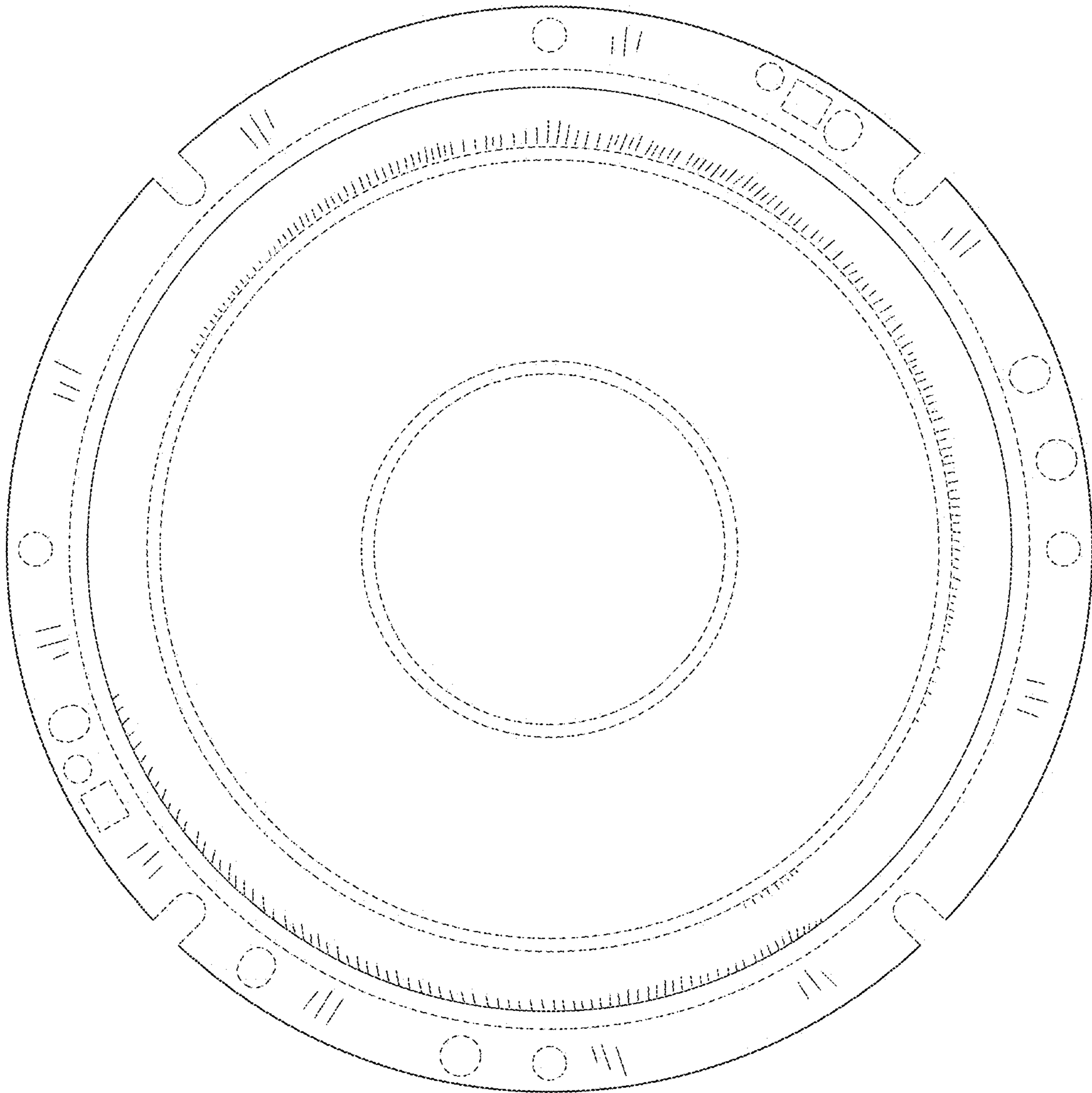


Fig.4



Fig.5

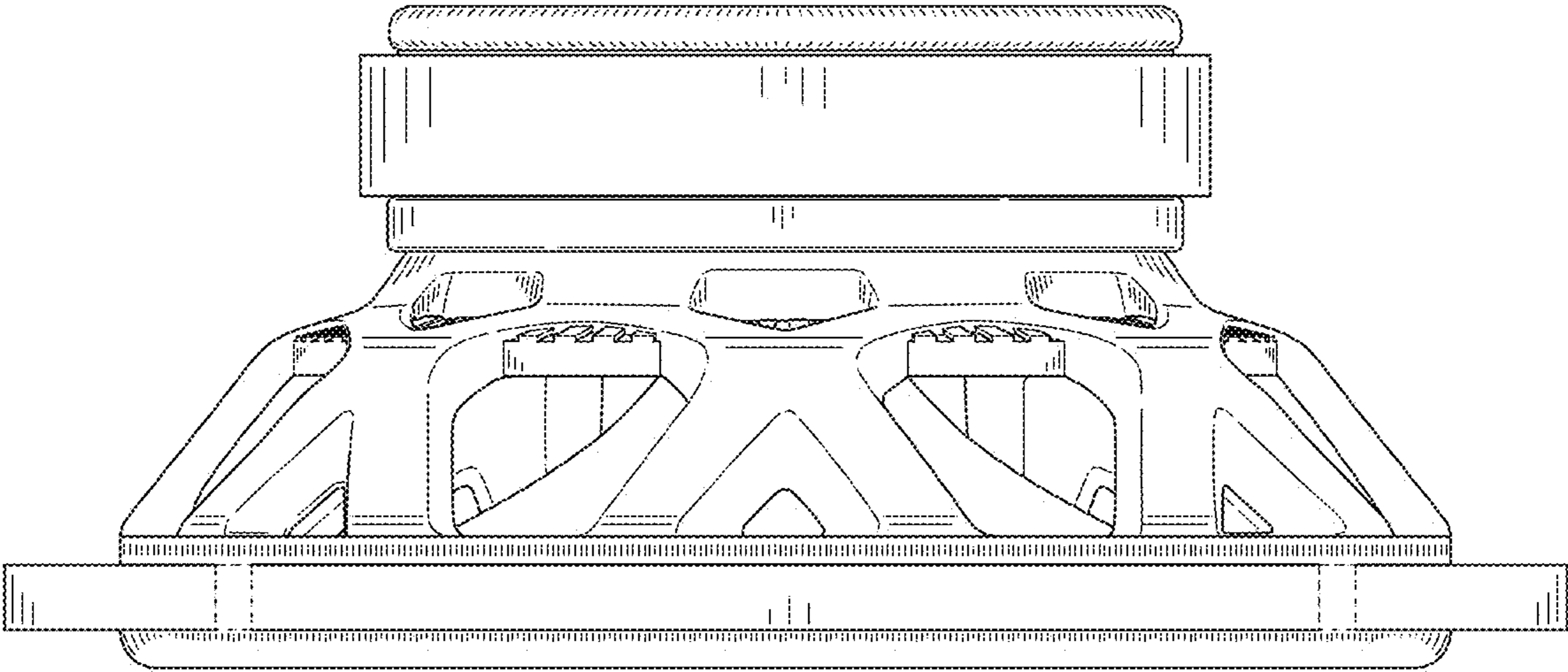


Fig.6

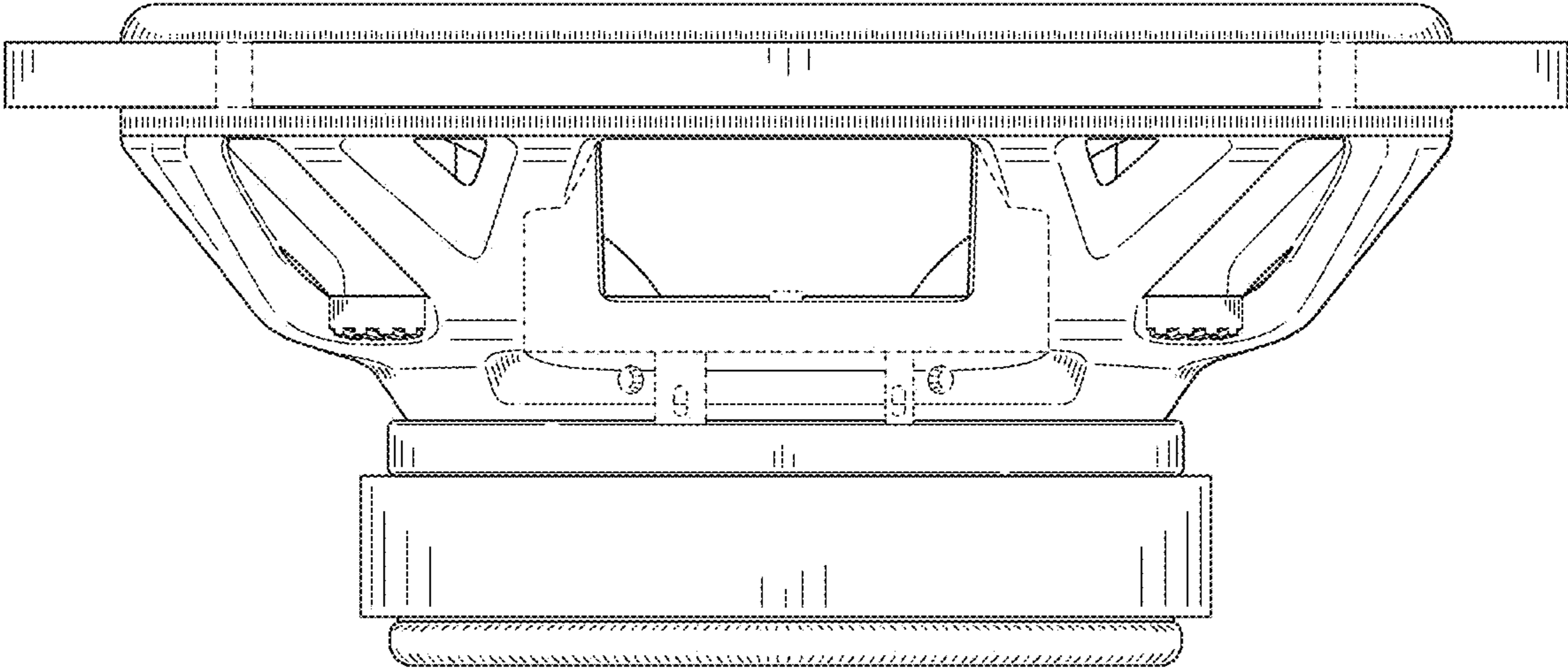


Fig. 7

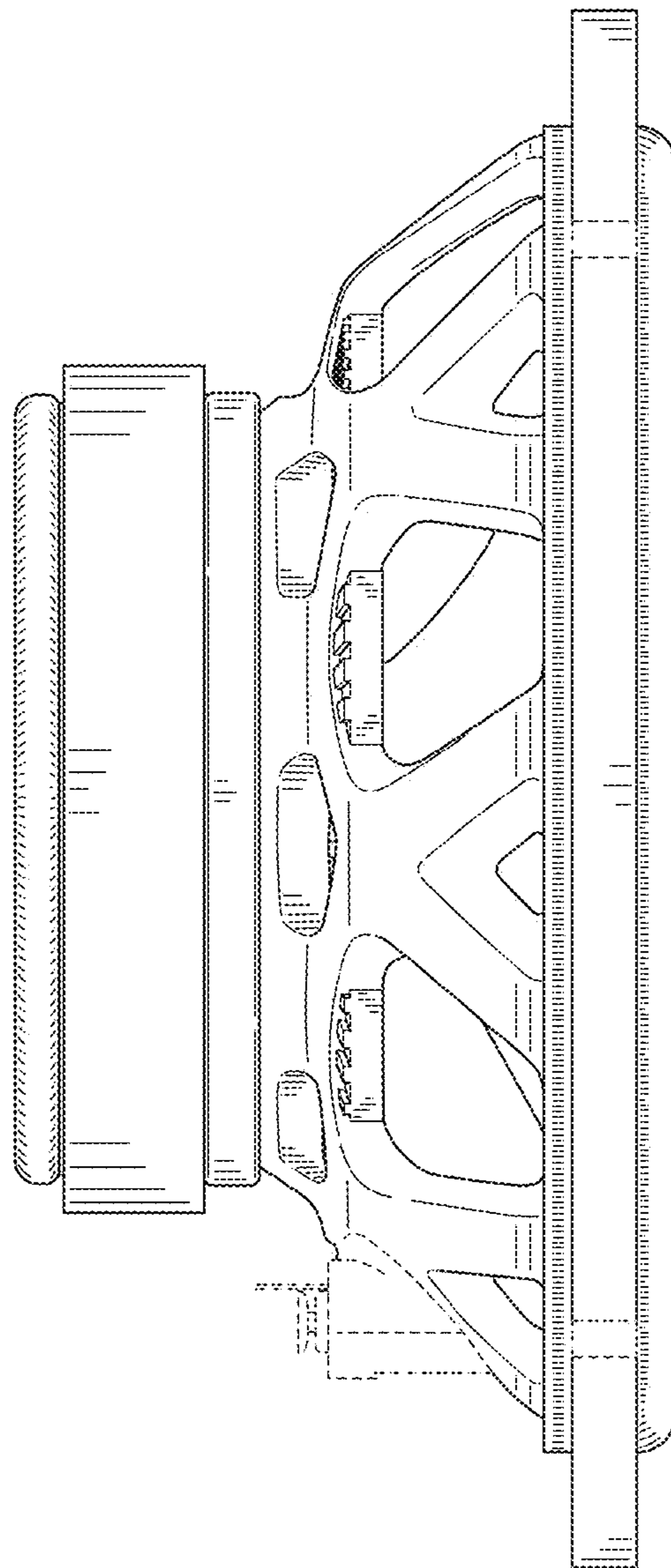


Fig. 8

