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(12) **United States Design Patent** (10) **Patent No.:** **US D873,237 S**
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(54) **HEADPHONE**

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(52) **U.S. Cl.**
USPC **D14/205**

(58) **Field of Classification Search**
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CPC H04R 25/00; H04R 5/02; H04R 1/1016;
H04R 5/033; H04R 5/0335; H04R 1/10;
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,650,865 A * 11/1927 Edwards H04R 1/10
381/377
2,149,341 A * 3/1939 Harrison H04R 1/1066
248/274.1

D209,249 S * 11/1967 Milletello D23/412
3,408,658 A * 11/1968 Beguin A61F 11/14
128/866
3,505,684 A * 4/1970 Hutchinson A61F 11/14
2/209
D246,519 S * 11/1977 Kato D14/205
D274,723 S * 7/1984 Kawachi D14/212
4,511,768 A * 4/1985 Patel H04R 1/222
181/144
D302,429 S * 7/1989 Leer D14/137
D313,092 S * 12/1990 Nilsson D14/205

(Continued)

FOREIGN PATENT DOCUMENTS

CN 304967842 * 12/2018
JP D1594991 * 12/2017

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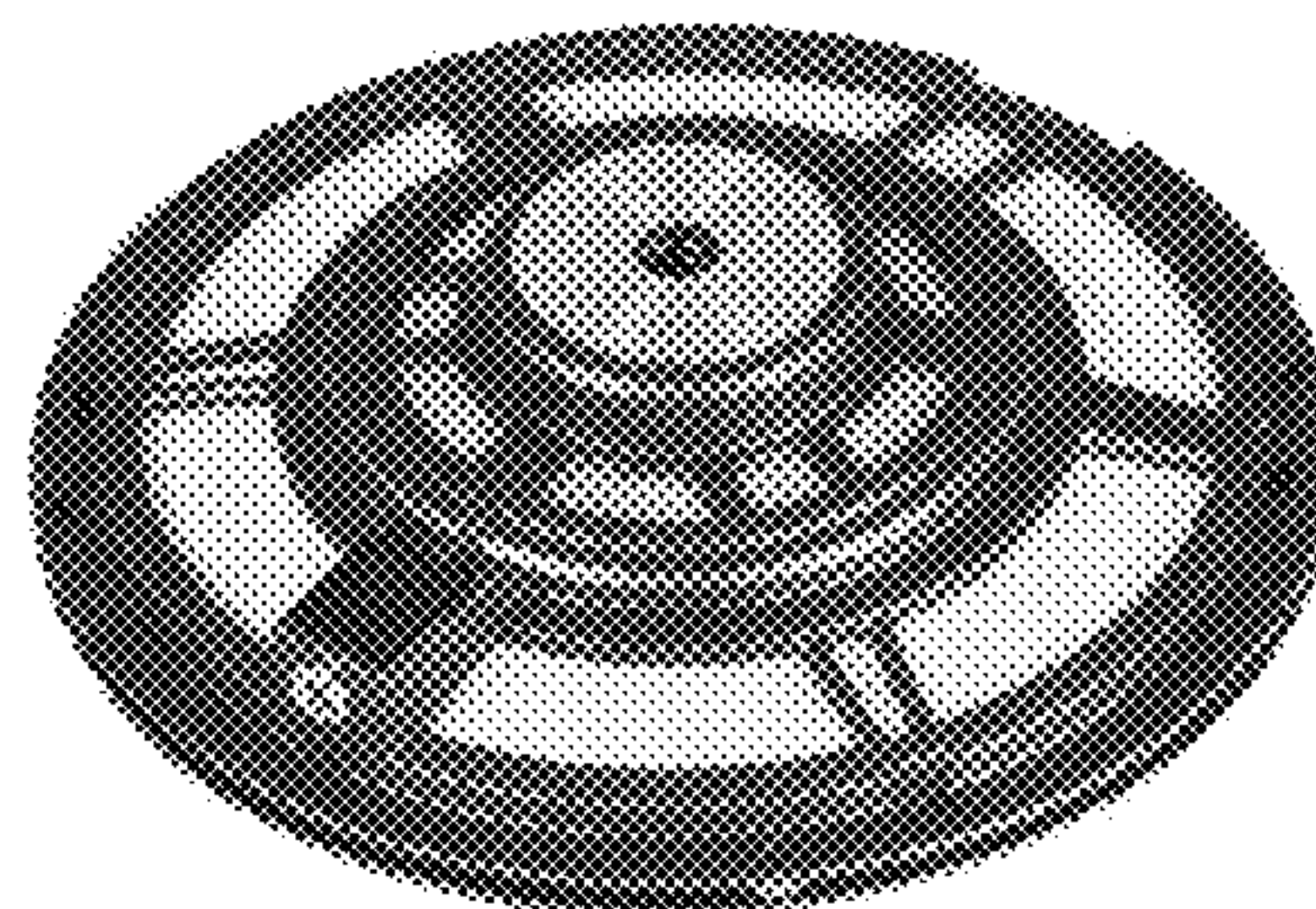
(57) **CLAIM**

We claim the ornamental design for a headphone, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a headphone;
FIG. 2 is a front elevational view of the headphone;
FIG. 3 is a rear elevational view of the headphone;
FIG. 4 is a top plan view of the headphone;
FIG. 5 is a bottom plan view of the headphone;
FIG. 6 is a left side elevational view of the headphone;
FIG. 7 is a right side elevational view of the headphone;
FIG. 8 is a reference perspective view showing a driver unit of the headphone, separately for ease of illustration; and,
FIG. 9 is a reference perspective view showing a cover of the headphone, separately for ease of illustration.
Shades appearing on the surface of the article in each photograph are reflection shadows due to lighting used for photography or three-dimensional shape of each part of the article and form no part of the claimed design.

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,035,005 A * 7/1991 Hung H04M 1/05
2/209
D354,490 S * 1/1995 Darbee D14/218
5,384,857 A * 1/1995 Nordin A61F 11/14
381/374
D356,089 S * 3/1995 Hedaya D14/215
5,406,037 A * 4/1995 Nageno H04R 5/0335
181/129
5,574,795 A * 11/1996 Seki H04R 5/0335
381/370
D376,598 S * 12/1996 Hayashi D14/205
D391,573 S * 3/1998 Nakamura D14/205
D410,466 S * 6/1999 Mouri D14/205
D420,356 S * 2/2000 Suzuki D14/205
D435,249 S * 12/2000 Yasutomi D14/205
6,449,806 B1 * 9/2002 Engelhard H04M 1/05
2/209
D467,580 S * 12/2002 Mori D14/223
D492,286 S * 6/2004 Azumi D14/219
D508,483 S * 8/2005 Suzuki D14/205
D512,708 S * 12/2005 Harris, Jr. D14/205
D519,497 S * 4/2006 Komiyama D14/223
D560,654 S * 1/2008 Feng D14/205
D567,215 S * 4/2008 Lee D14/205
D570,825 S * 6/2008 Schultz D14/205

D635,958 S * 4/2011 Ando D14/205
8,189,847 B2 * 5/2012 Huang H04R 1/1075
381/186
D668,633 S * 10/2012 Enquist D14/205
D700,590 S * 3/2014 Heath D14/205
D703,183 S * 4/2014 Moriya H04S 1/005
D14/206
D732,001 S * 6/2015 Licht D14/205
D740,254 S * 10/2015 Huang D14/205
D761,761 S * 7/2016 Ando D14/205
D765,055 S * 8/2016 Hsieh D14/205
D766,520 S * 9/2016 Fletcher D29/112
D778,874 S * 2/2017 Lin D14/205
D785,593 S * 5/2017 Nakagawa D14/205
D808,358 S * 1/2018 Dennis D14/205
D809,474 S * 2/2018 Attal D14/205
D811,365 S * 2/2018 Czaniecki D14/205
D837,763 S * 1/2019 Suzuki D14/205
D843,342 S * 3/2019 Yashiro D14/205
2009/0279729 A1 * 11/2009 Huang H04R 1/1016
381/345
2015/0382099 A1 * 12/2015 Chu H04R 1/2811
381/370
2016/0205458 A1 * 7/2016 Huang H04R 1/1016
381/380
2016/0330542 A1 * 11/2016 Hsiao H04R 1/1091
2017/0064436 A1 * 3/2017 Tamura H04R 1/1066

* cited by examiner



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7

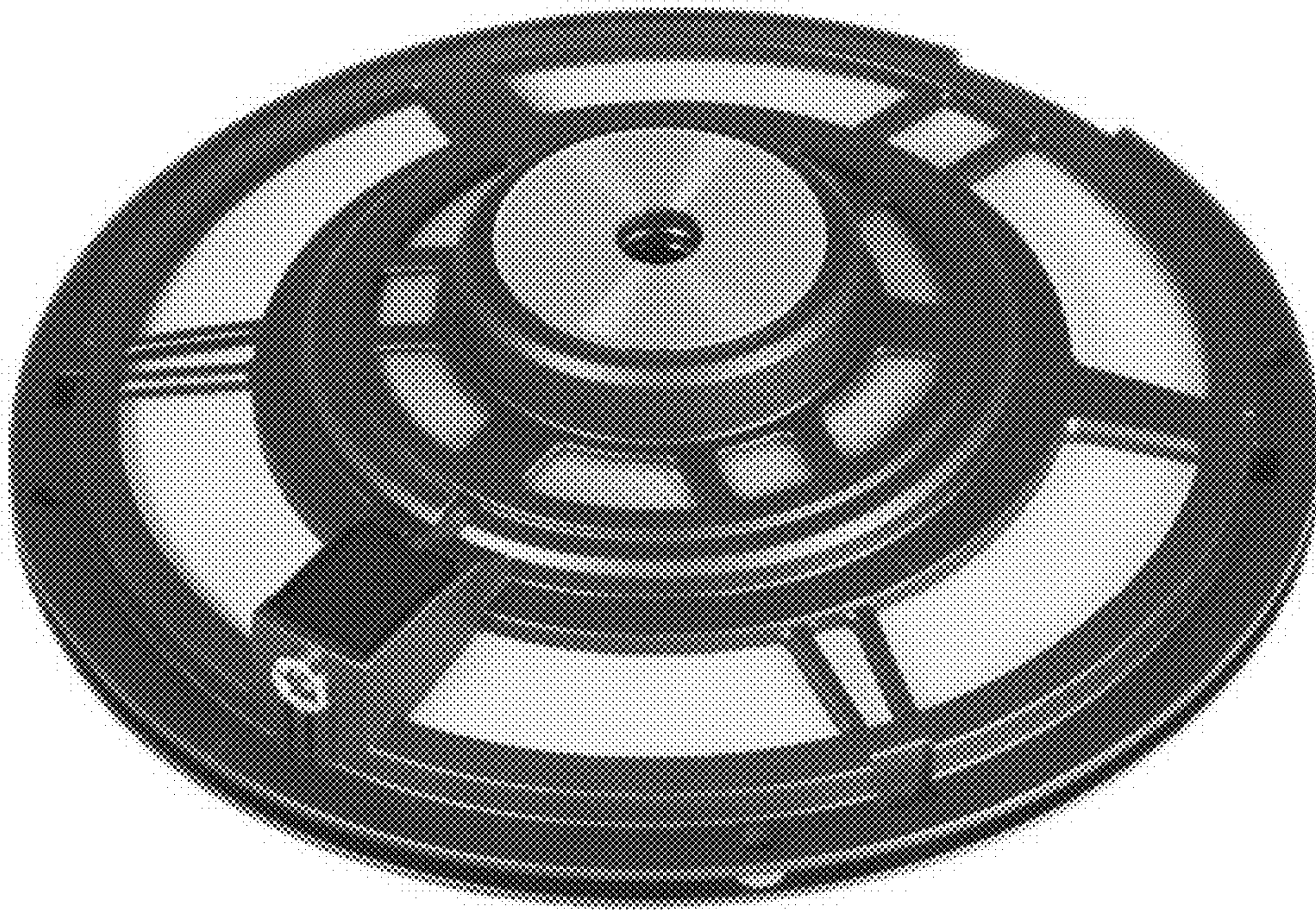


Figure 8

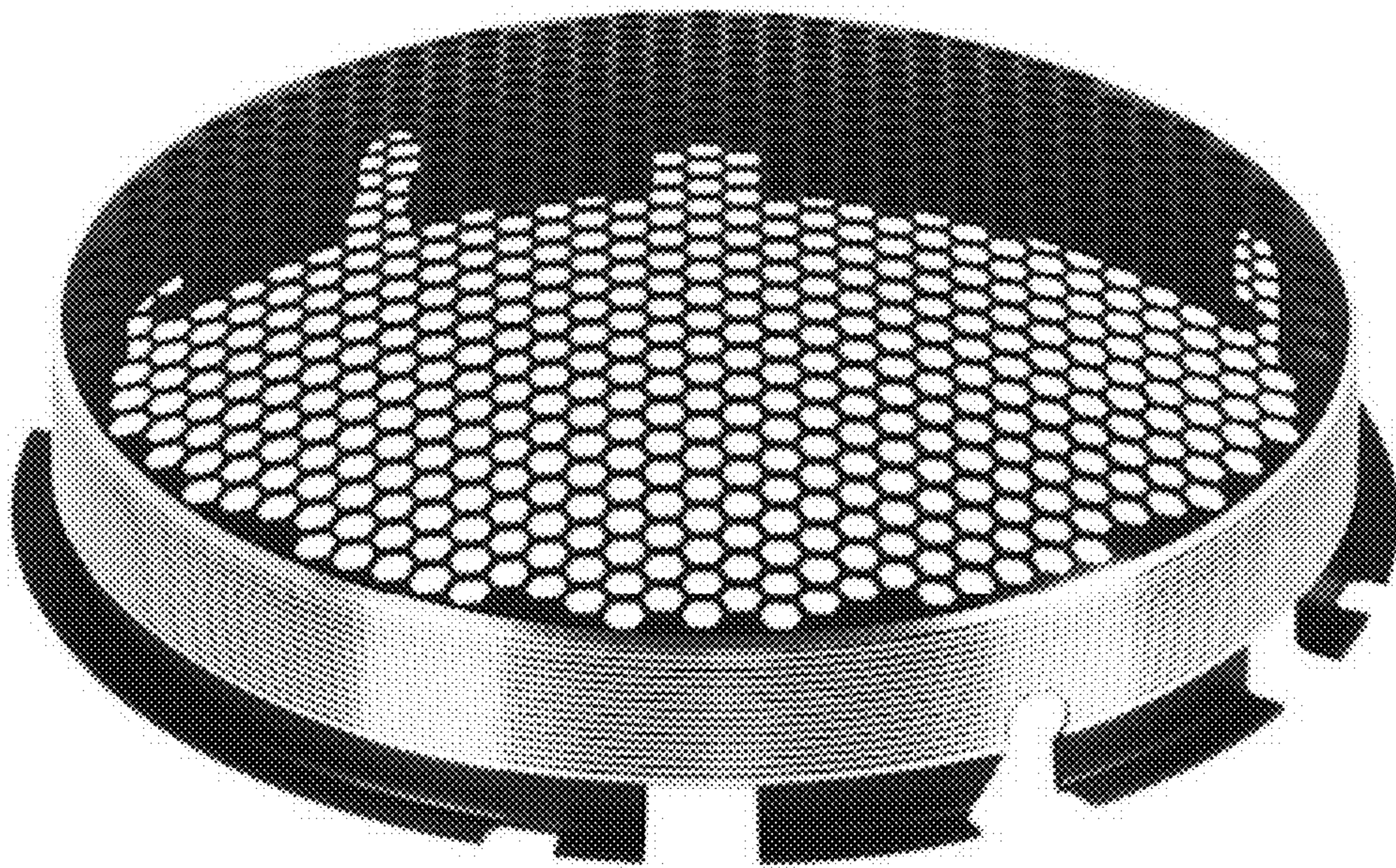


Figure 9