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(12) **United States Design Patent** (10) **Patent No.:** **US D911,399 S**
Atkins (45) **Date of Patent:** **** Feb. 23, 2021**

- (54) **INNERMOST CUTTER FOR A FIXED-CUTTER DRILL BIT**
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- (51) **LOC (13) Cl.** **15-09**
- (52) **U.S. Cl.**
USPC **D15/139**
- (58) **Field of Classification Search**
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D8/353, 354, 403; D15/10, 12, 13, 15,
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D15/124, 130, 138, 139, 140, 144, 144.1,
D15/144.2, 147, 199
CPC E21B 10/5673; E21B 10/43; E21B 10/26
See application file for complete search history.

- D477,005 S * 7/2003 Arvidsson D15/139
- 6,904,984 B1 6/2005 Estes et al.
- D554,162 S * 10/2007 Hall D15/139
- D606,569 S * 12/2009 Ford D15/138
- 8,037,951 B2 10/2011 Shen et al.
- 8,061,456 B2 11/2011 Patel et al.
- 8,096,372 B2 1/2012 Shen et al.
- D656,166 S * 3/2012 Michelet D15/139
- D656,973 S * 4/2012 Michelet D15/139
- 8,186,460 B2 5/2012 Garcia et al.
- D682,898 S * 5/2013 Fujii D15/139
- 8,783,387 B2 7/2014 Durairajan et al.
- D738,412 S * 9/2015 Choi D15/139
- D753,748 S * 4/2016 Schneider et al.
- 9,309,724 B2 4/2016 Scott et al.
- 9,415,447 B2 8/2016 Myers

(Continued)

FOREIGN PATENT DOCUMENTS

- GB 2274129 B 7/1994
- GB 2453472 B 5/2011

OTHER PUBLICATIONS

PCT Application Serial No. PCT/US2019/051340, International Search Report, dated Jan. 7, 2020, 4 pages.
(Continued)

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(57) **CLAIM**

I claim the ornamental design for an innermost cutter for a fixed-cutter drill bit, as shown and described.

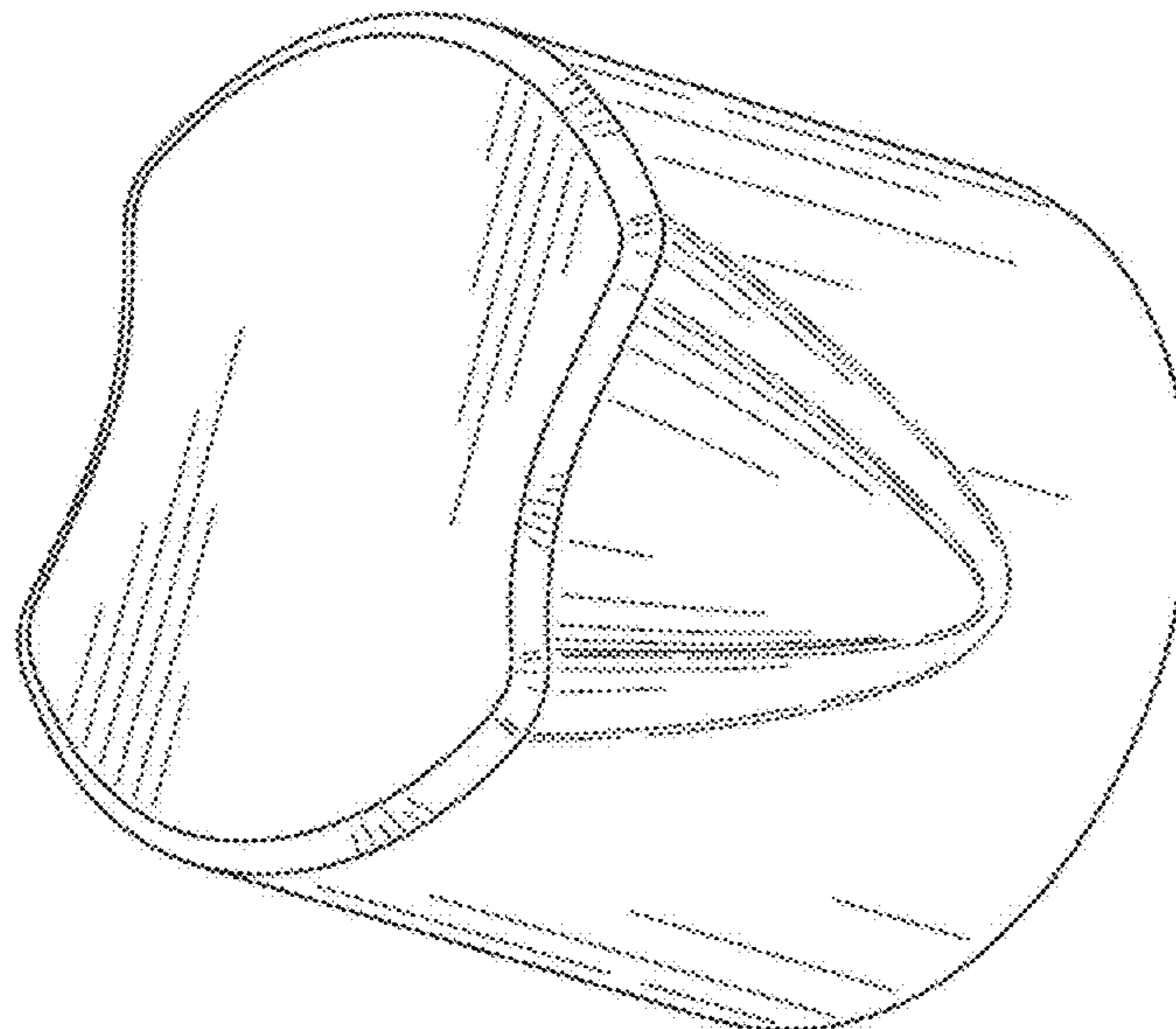
DESCRIPTION

FIG. 1 is a perspective view of an innermost cutter for a fixed-cutter drill bit; and,
FIG. 2 is a top plan view thereof.

1 Claim, 1 Drawing Sheet

(56) **References Cited**
U.S. PATENT DOCUMENTS

- D357,485 S * 4/1995 Mattsson D15/139
- D357,486 S * 4/1995 Mattsson D15/139
- D371,146 S * 6/1996 Fischer D15/139
- D371,374 S * 7/1996 Fischer D15/139
- 5,709,279 A 1/1998 Dennis
- 5,740,874 A 4/1998 Matthias
- 6,045,440 A 4/2000 Johnson et al.
- D424,579 S * 5/2000 Brady D15/139
- 6,065,554 A 5/2000 Taylor et al.
- 6,196,340 B1 3/2001 Jensen et al.



(56)

References Cited

U.S. PATENT DOCUMENTS

9,889,502 B2 * 2/2018 Ownby et al.
 D823,909 S * 7/2018 Kawakami et al.
 D828,415 S * 9/2018 Ota D15/139
 D828,416 S * 9/2018 Ota D15/139
 D845,361 S * 4/2019 Komiyama D15/139
 D852,245 S * 6/2019 Kobayashi D15/138
 D854,063 S * 7/2019 Abe D15/139
 D862,537 S * 10/2019 Larose
 D875,147 S * 2/2020 Xu D15/139
 D878,436 S * 3/2020 Dunaway D15/139
 D879,168 S * 3/2020 Zhao et al.
 D880,547 S * 4/2020 Weinberg D15/139
 D884,039 S * 5/2020 Endoh D15/139
 D884,040 S * 5/2020 Endoh D15/139
 D884,041 S * 5/2020 Endoh D15/139
 2008/0053710 A1 3/2008 Moss
 2010/0059287 A1 3/2010 Durairajan et al.
 2013/0020134 A1 1/2013 Azar et al.

2013/0112485 A1* 5/2013 Richert E21B 10/02
 175/332
 2013/0313403 A1* 11/2013 Atkins et al.
 2013/0316149 A1* 11/2013 Atkins et al.
 2013/0320598 A1* 12/2013 Atkins et al.
 2013/0333950 A1* 12/2013 Atkins et al.
 2014/0332271 A1* 11/2014 Do E21B 10/62
 175/57
 2016/0076308 A1* 3/2016 Anderle et al.
 2016/0177629 A1 6/2016 Azar
 2016/0339515 A1* 11/2016 Atkins F27D 15/02
 2017/0107768 A1* 4/2017 Saini et al.
 2020/0149352 A1* 5/2020 Silveus, III E21B 10/55

OTHER PUBLICATIONS

PCT Application Serial No. PCT/US2019/051340, International
 Written Opinion, dated Jan. 7, 2020, 6 pages.

* cited by examiner

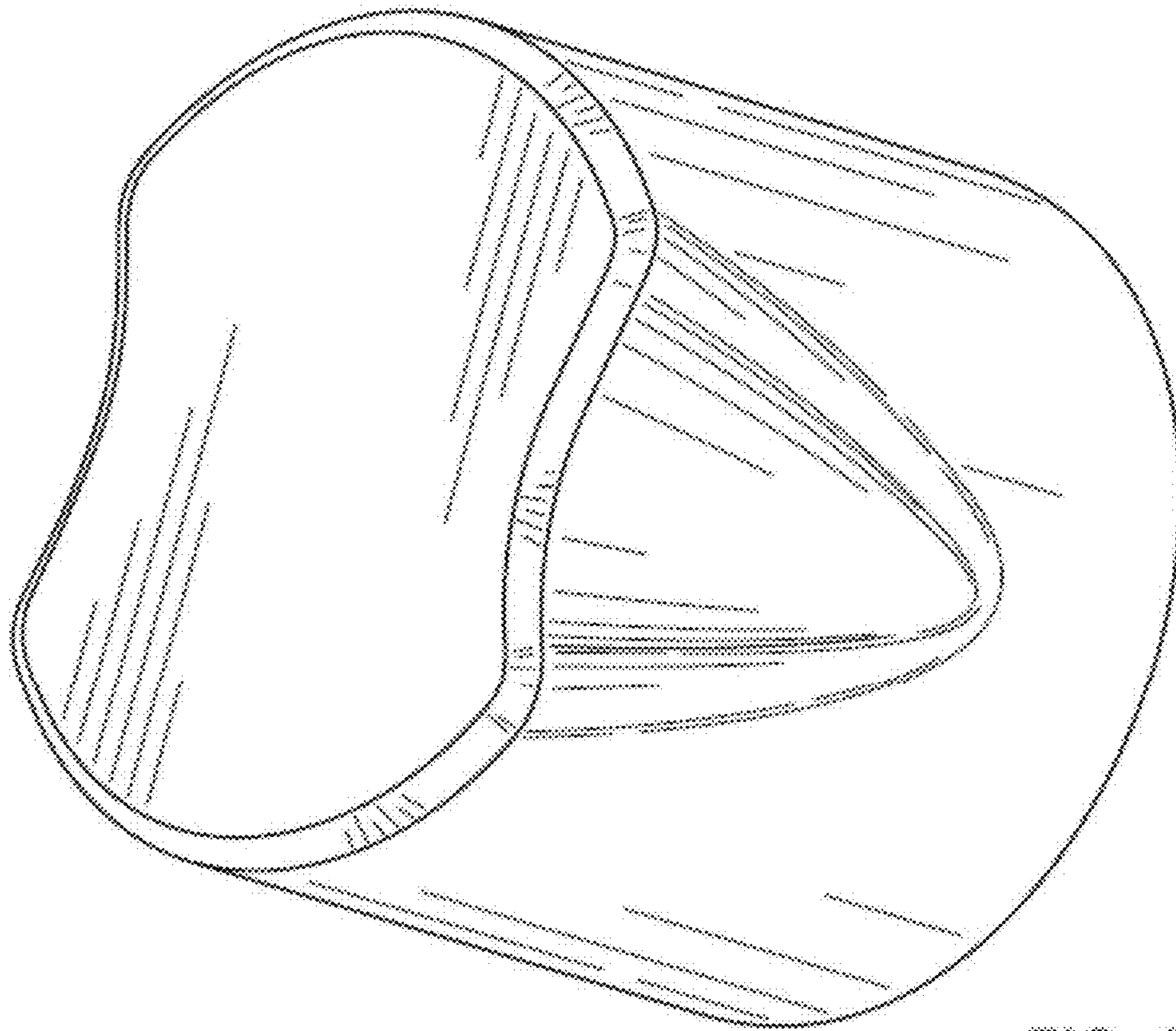


FIG. 1

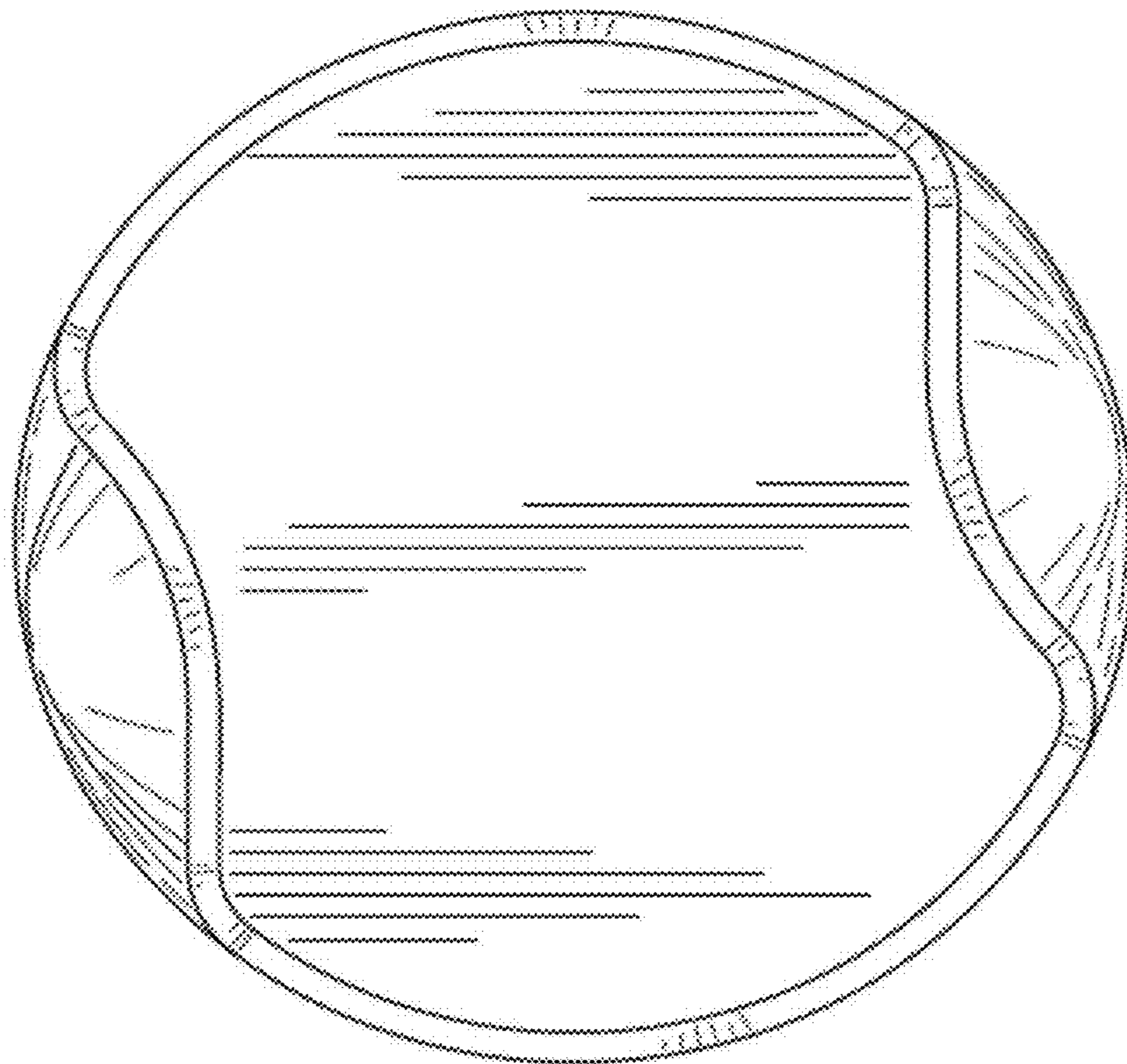


FIG. 2