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(12) **United States Design Patent**
Morrison et al.

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(54) **NONAGON CUTTING INSERT**

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(**) Term: **14 Years**

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(51) **LOC (10) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/139**

(58) **Field of Classification Search**
USPC D8/70, 71; D15/131, 138, 139, 140;
407/35, 42, 112-119
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | |
|--------------|------|---------|-------------------|---------|
| 4,556,345 | A | 12/1985 | Philippi | |
| 4,631,994 | A | 12/1986 | Jester et al. | |
| 5,934,844 | A * | 8/1999 | Woolley | 407/114 |
| D429,261 | S * | 8/2000 | Hartlohner et al. | D15/139 |
| D481,048 | S * | 10/2003 | Brockett et al. | D15/139 |
| 6,733,212 | B2 | 5/2004 | Nagaya et al. | |
| 7,367,753 | B2 | 5/2008 | Maurer | |
| D638,452 | S * | 5/2011 | Morrison et al. | D15/139 |
| 7,976,250 | B2 | 7/2011 | Fang et al. | |
| D658,218 | S * | 4/2012 | Morrison et al. | D15/139 |
| 8,337,123 | B2 | 12/2012 | Ishida | |
| D687,078 | S * | 7/2013 | Shibata et al. | D15/139 |
| 2009/0052998 | A1 * | 2/2009 | Sladek et al. | 407/61 |

| | | | | |
|--------------|------|---------|-----------------|---------|
| 2009/0285646 | A1 | 11/2009 | Oprasic et al. | |
| 2010/0034602 | A1 * | 2/2010 | Sung et al. | 407/113 |
| 2010/0080662 | A1 * | 4/2010 | Satran et al. | 407/40 |
| 2011/0103905 | A1 * | 5/2011 | Morrison et al. | 407/48 |
| 2011/0116878 | A1 * | 5/2011 | Ebert et al. | 407/103 |
| 2012/0045289 | A1 * | 2/2012 | Ishi | 409/132 |
| 2012/0051855 | A1 | 3/2012 | Lof | |
| 2012/0070239 | A1 * | 3/2012 | Park et al. | 407/42 |
| 2012/0093596 | A1 * | 4/2012 | Ishi | 407/113 |
| 2012/0114435 | A1 * | 5/2012 | Park | 407/104 |
| 2012/0155976 | A1 * | 6/2012 | Ishi | 407/33 |
| 2012/0251250 | A1 * | 10/2012 | Morrison et al. | 407/42 |
| 2013/0028670 | A1 * | 1/2013 | Luik | 407/66 |
| 2013/0108383 | A1 * | 5/2013 | Scheicher | 407/113 |
| 2013/0142581 | A1 * | 6/2013 | Volokh | 407/114 |
| 2013/0195567 | A1 | 8/2013 | Sunnvius et al. | |
| 2013/0202371 | A1 * | 8/2013 | Chen | 407/107 |
| 2013/0251466 | A1 * | 9/2013 | Rao et al. | 407/113 |
| 2013/0279994 | A1 * | 10/2013 | Morrison et al. | 407/64 |

* cited by examiner

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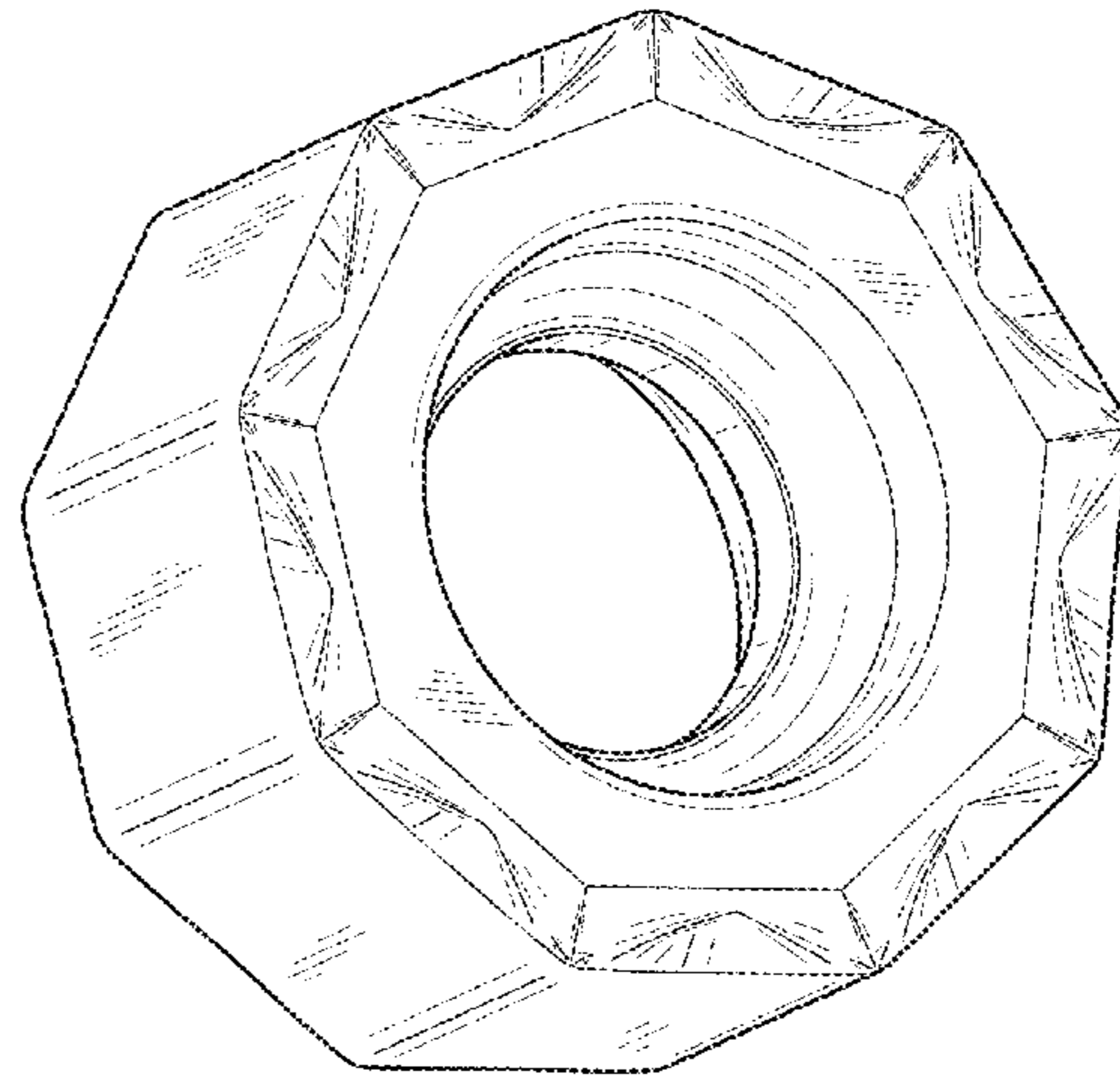
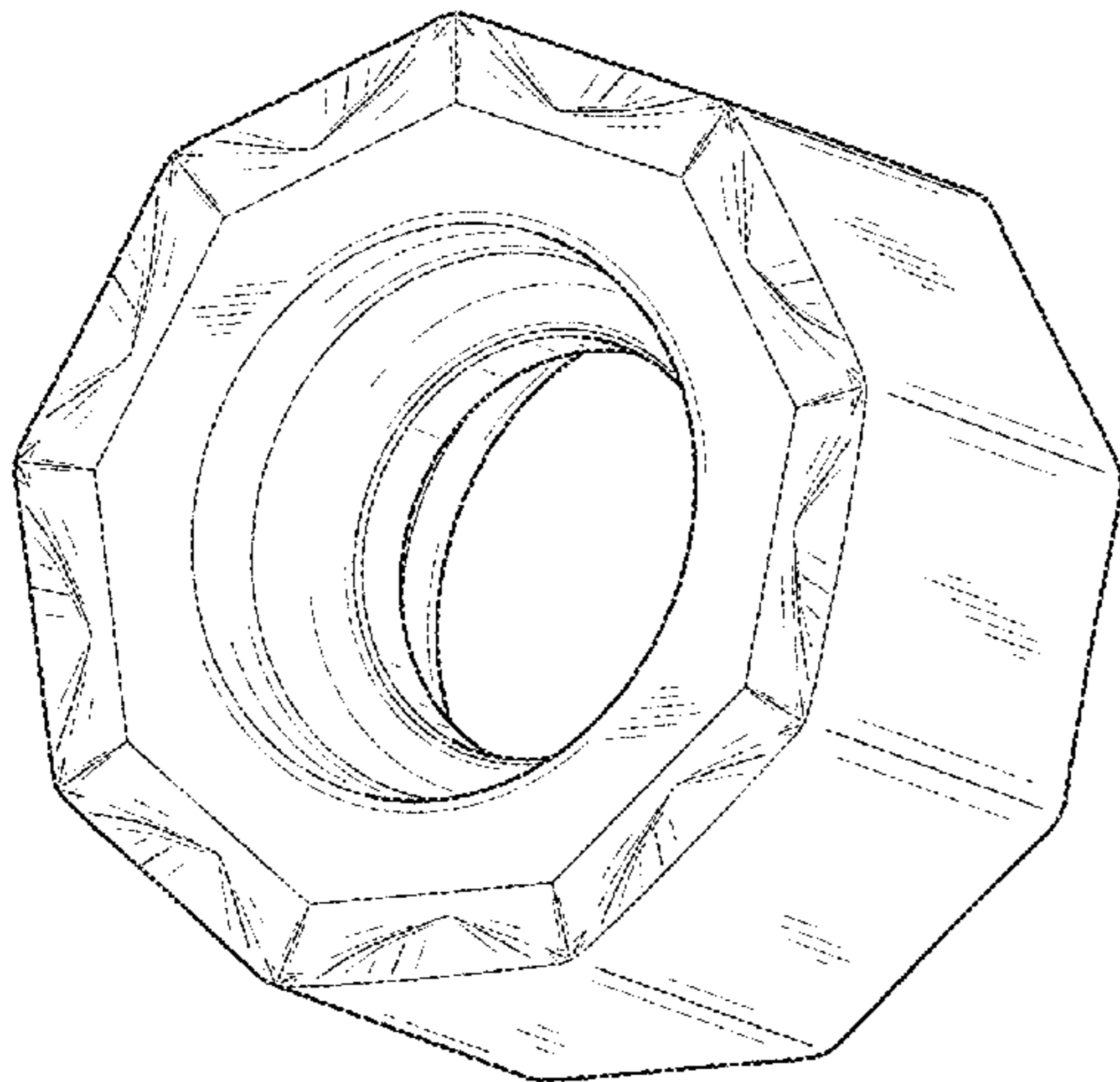
(57) **CLAIM**

We claim the ornamental design for a nonagon cutting insert, as shown and described.

DESCRIPTION

FIG. 1 is an isometric top view of a nonagon cutting insert showing our new design;
FIG. 2 is an isometric bottom view of the nonagon cutting insert of FIG. 1;
FIG. 3 is a top view of the nonagon cutting insert of FIG. 1, the bottom view being identical to the top view; and,
FIG. 4 is a right side view of the nonagon cutting insert of FIG. 1, the left side view being identical to the right side view.

1 Claim, 2 Drawing Sheets



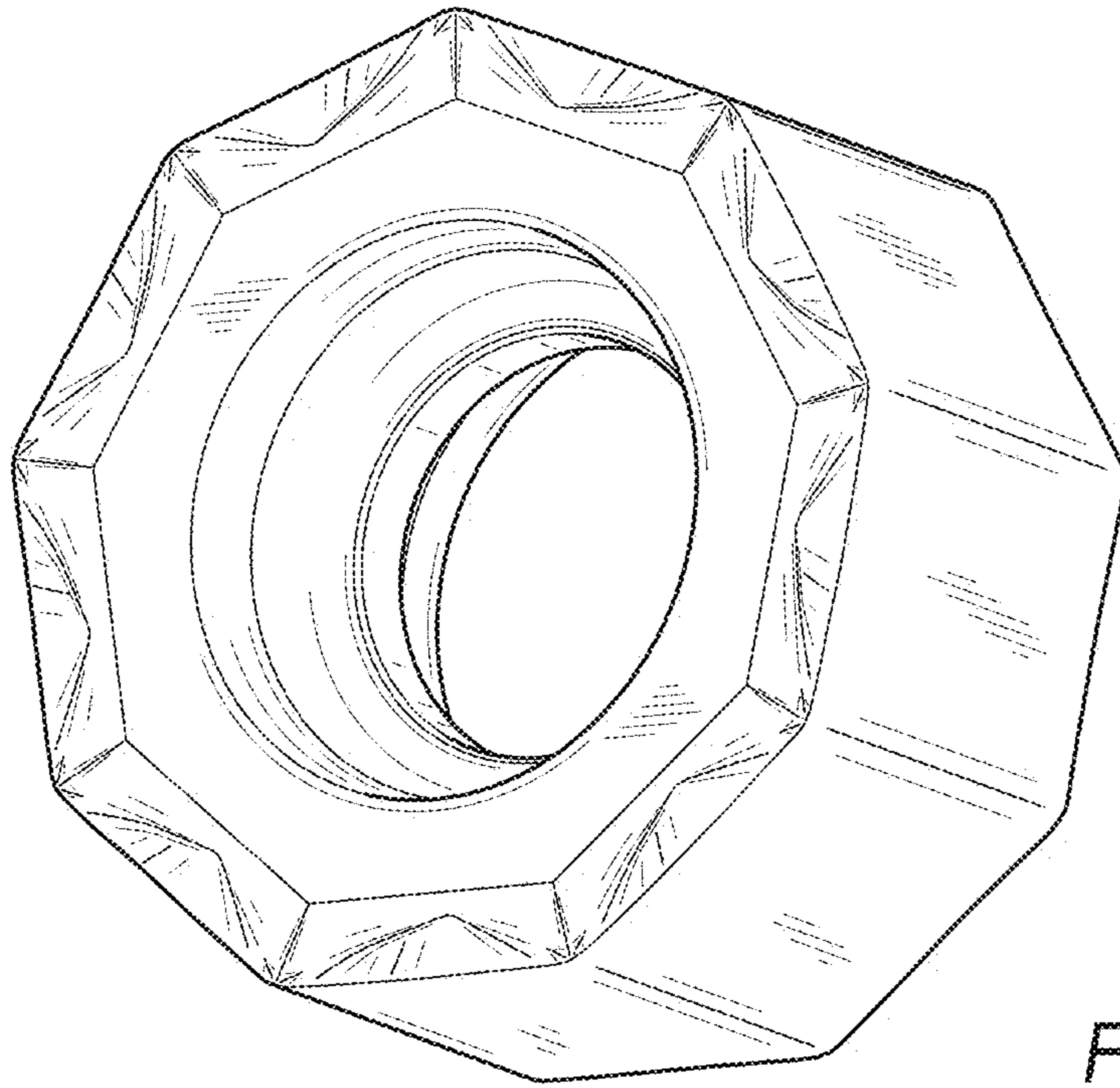


FIG. 1

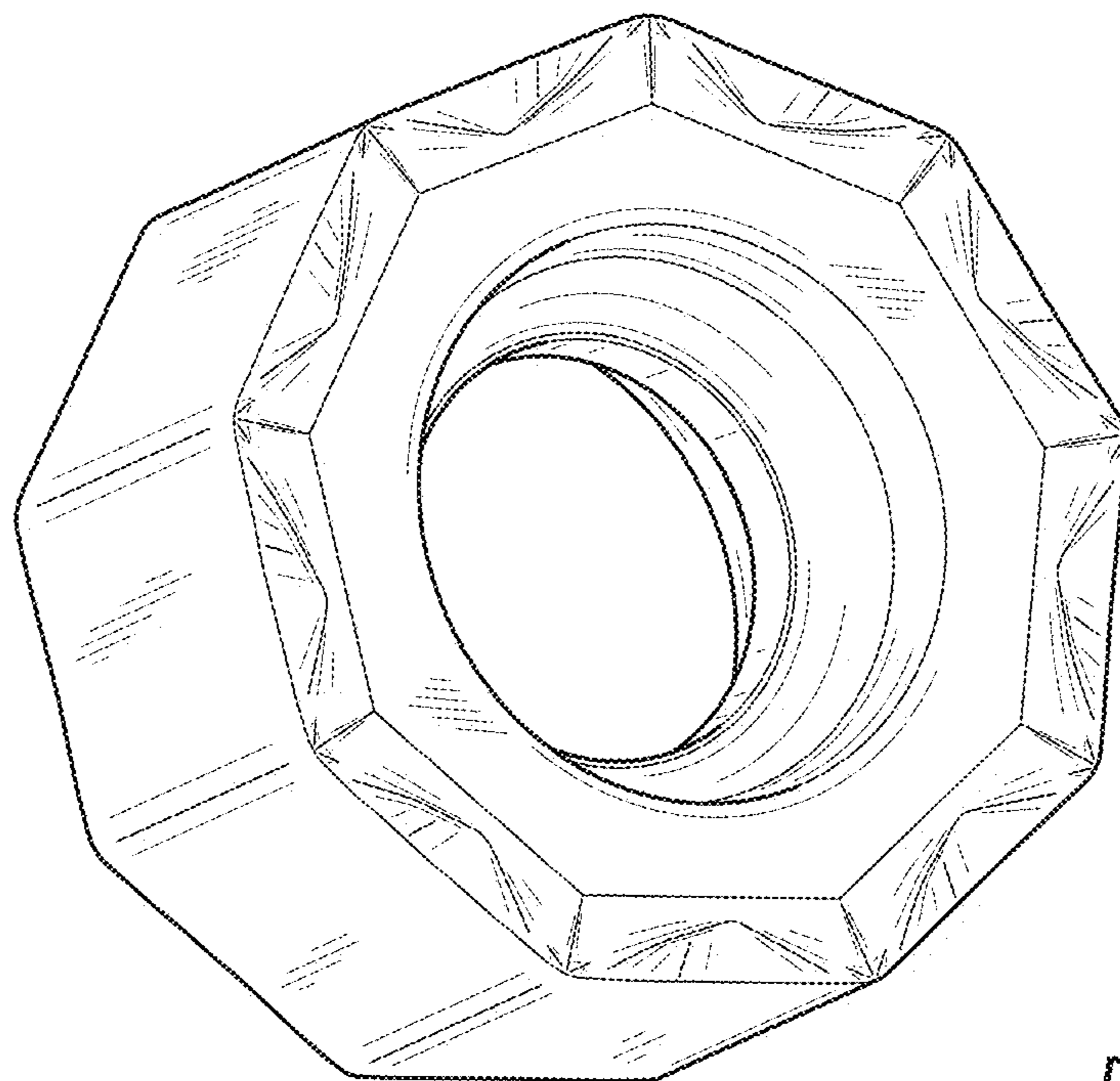


FIG. 2

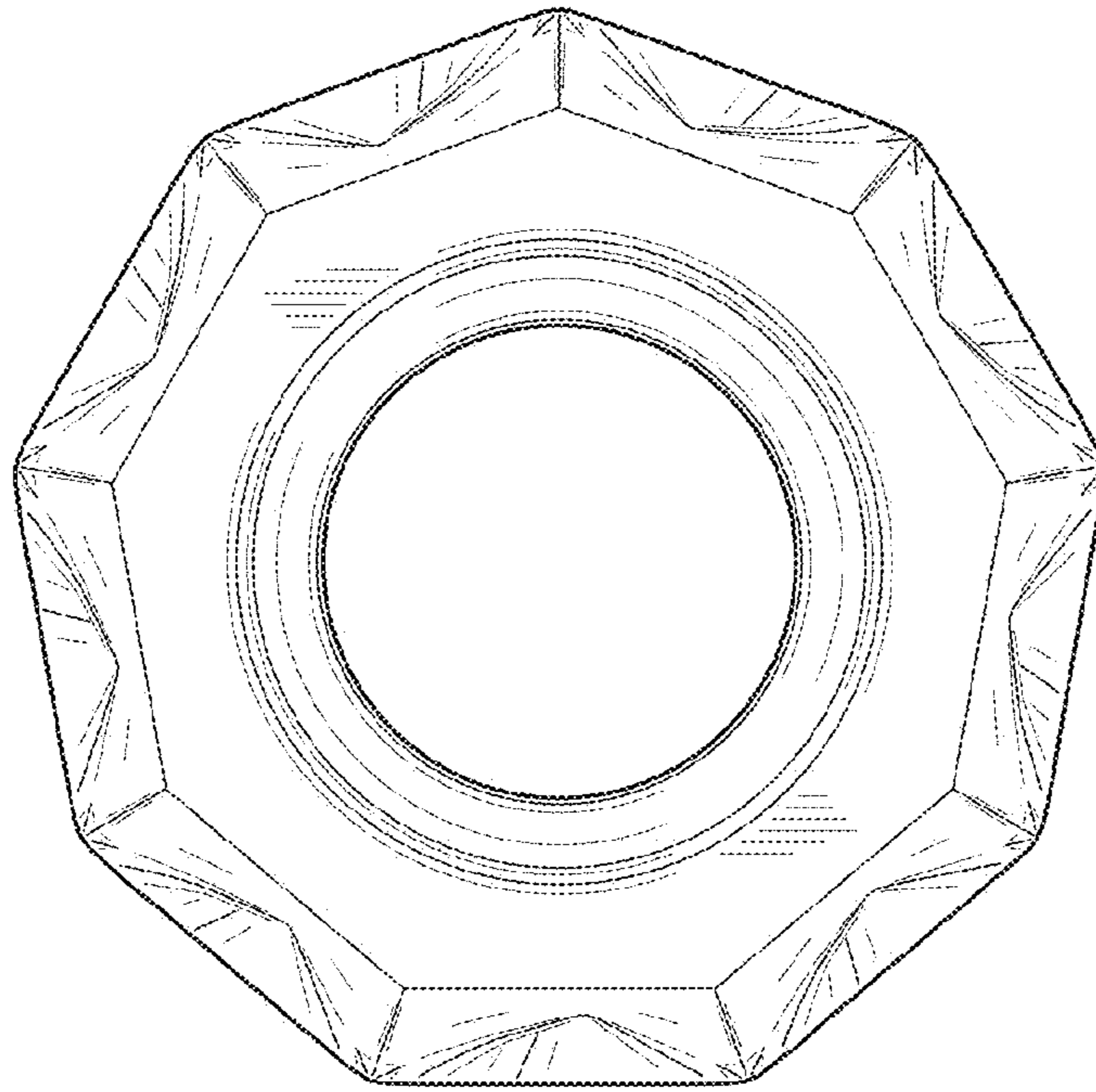


FIG. 3

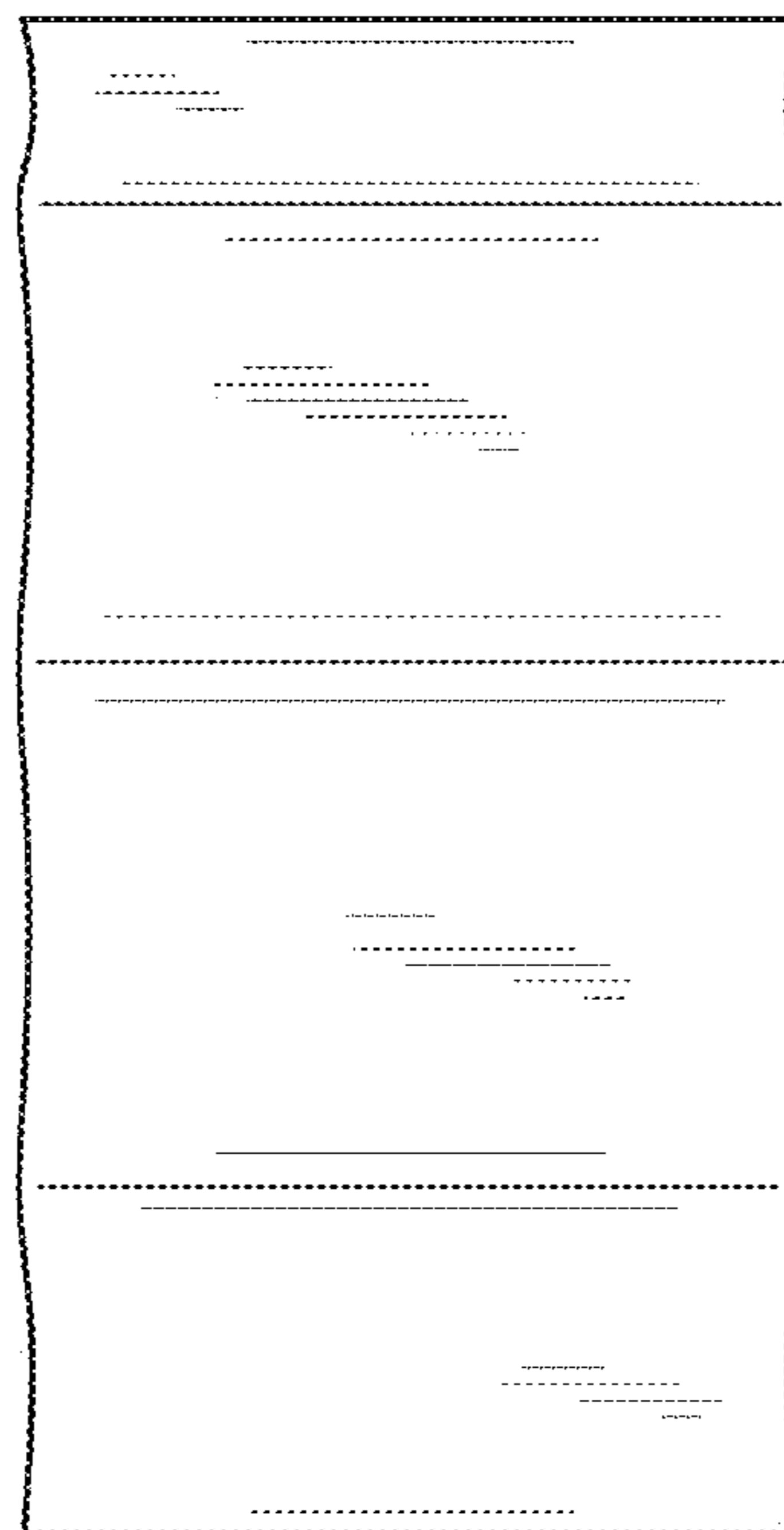


FIG. 4