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

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(54) **10-SIDED FLAT PANEL ARRAY ANTENNA**

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(73) Assignee: **Andrew LLC**, Hickory, NC (US)

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

(21) Appl. No.: **29/406,540**

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(51) **LOC (9) Cl.** ..... **14-03**

(52) **U.S. Cl.** ..... **D14/230; D14/233**

(58) **Field of Classification Search** ..... D14/138, D14/230-238, 299, 358; D12/42, 43; 343/700 MS, 343/700 R-705, 711-713, 735, 736, 741, 343/748, 767, 795, 819, 840, 846, 866, 871-908; 455/90.2, 90.3, 91, 128, 269, 344, 347, 562.1  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D219,592 S *	12/1970	Gibbons	.....	D14/233
D227,785 S *	7/1973	Kaysen	.....	D14/233
D260,895 S *	9/1981	Luedtke et al.	.....	D14/233

D315,563 S *	3/1991	Takizawa	.....	D14/233
5,552,798 A *	9/1996	Dietrich et al.	.....	343/893
D467,242 S *	12/2002	Warner et al.	.....	D14/230
D470,480 S *	2/2003	Ikeda	.....	D14/230
D535,648 S *	1/2007	Miura	.....	D14/233
D548,730 S *	8/2007	Inoue	.....	D14/230
D574,369 S *	8/2008	Oliver	.....	D14/230
D611,460 S *	3/2010	Chao	.....	D14/230
D631,873 S *	2/2011	Jin	.....	D14/231
2007/0210972 A1 *	9/2007	Robin et al.	.....	343/705

\* cited by examiner

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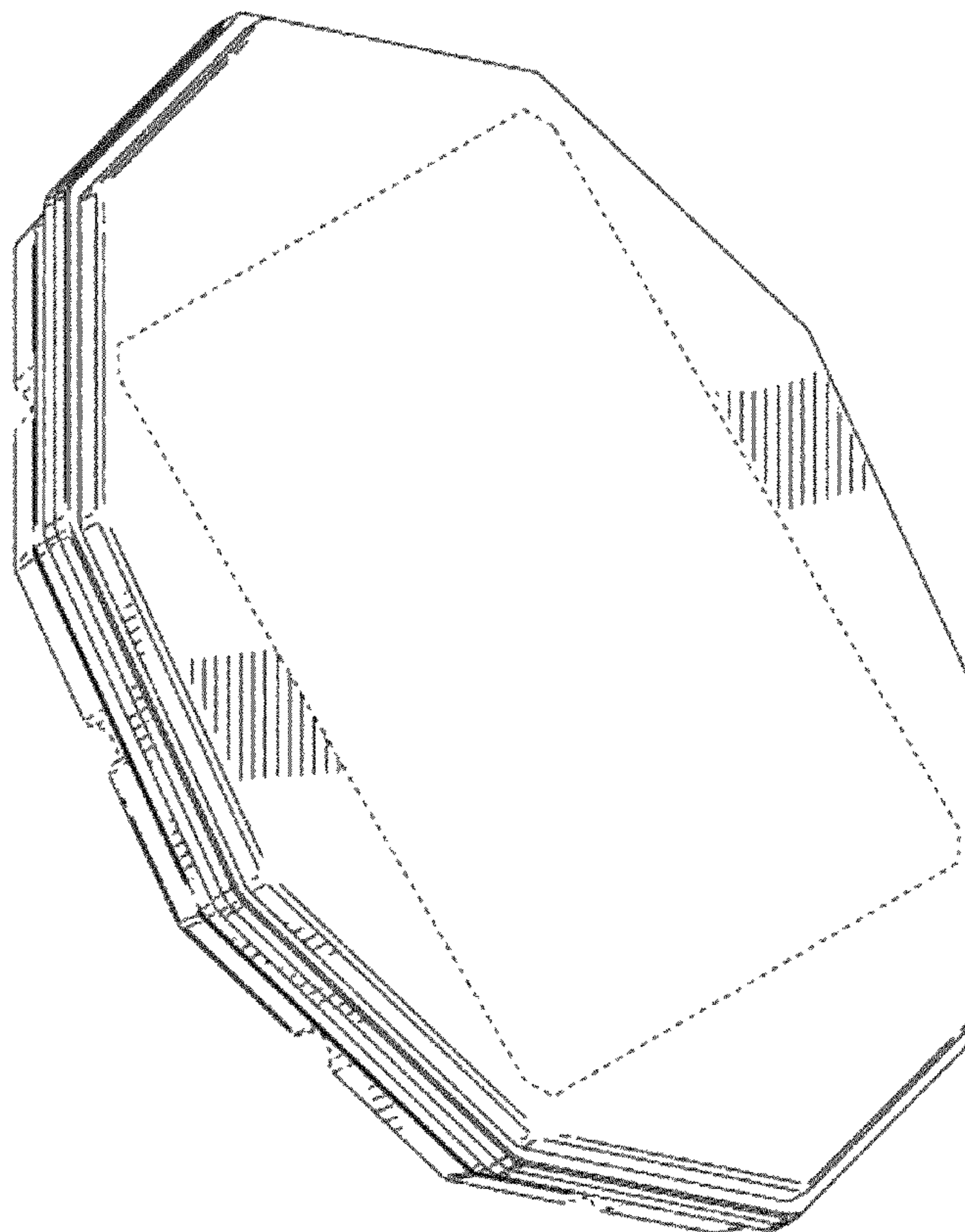
(57) **CLAIM**

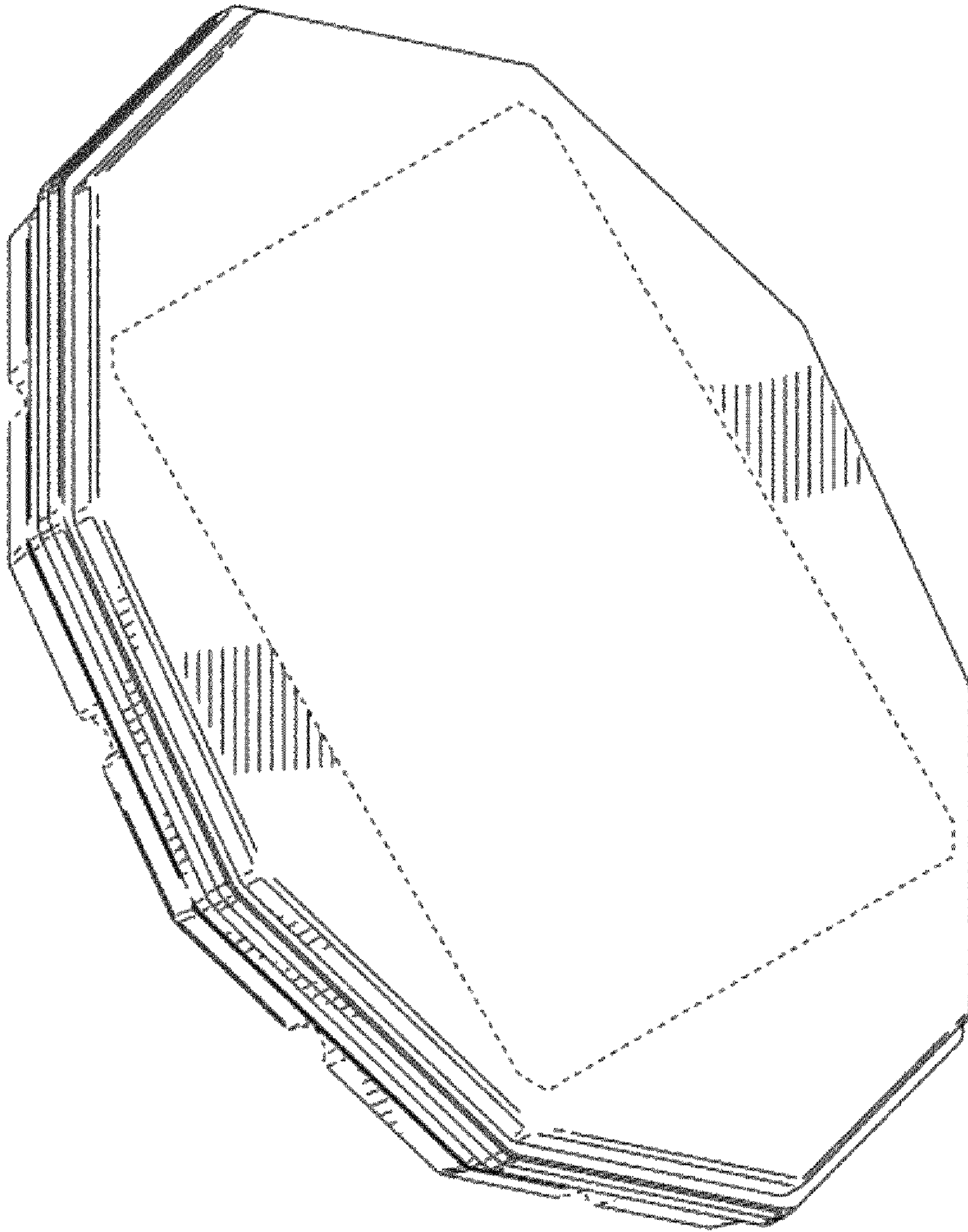
The ornamental design for a 10-sided flat panel array antenna, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective front view of the antenna.  
FIG. 2 is a perspective back view of the antenna.  
FIG. 3 is a front view of the antenna.  
FIG. 4 is a left side view of the antenna, the right side being a mirror image; and,  
FIG. 5 is a back view of the antenna.  
The broken lines showing a radome, radio mount and fastener connections are for environmental purposes only and form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**





**FIG. 1**

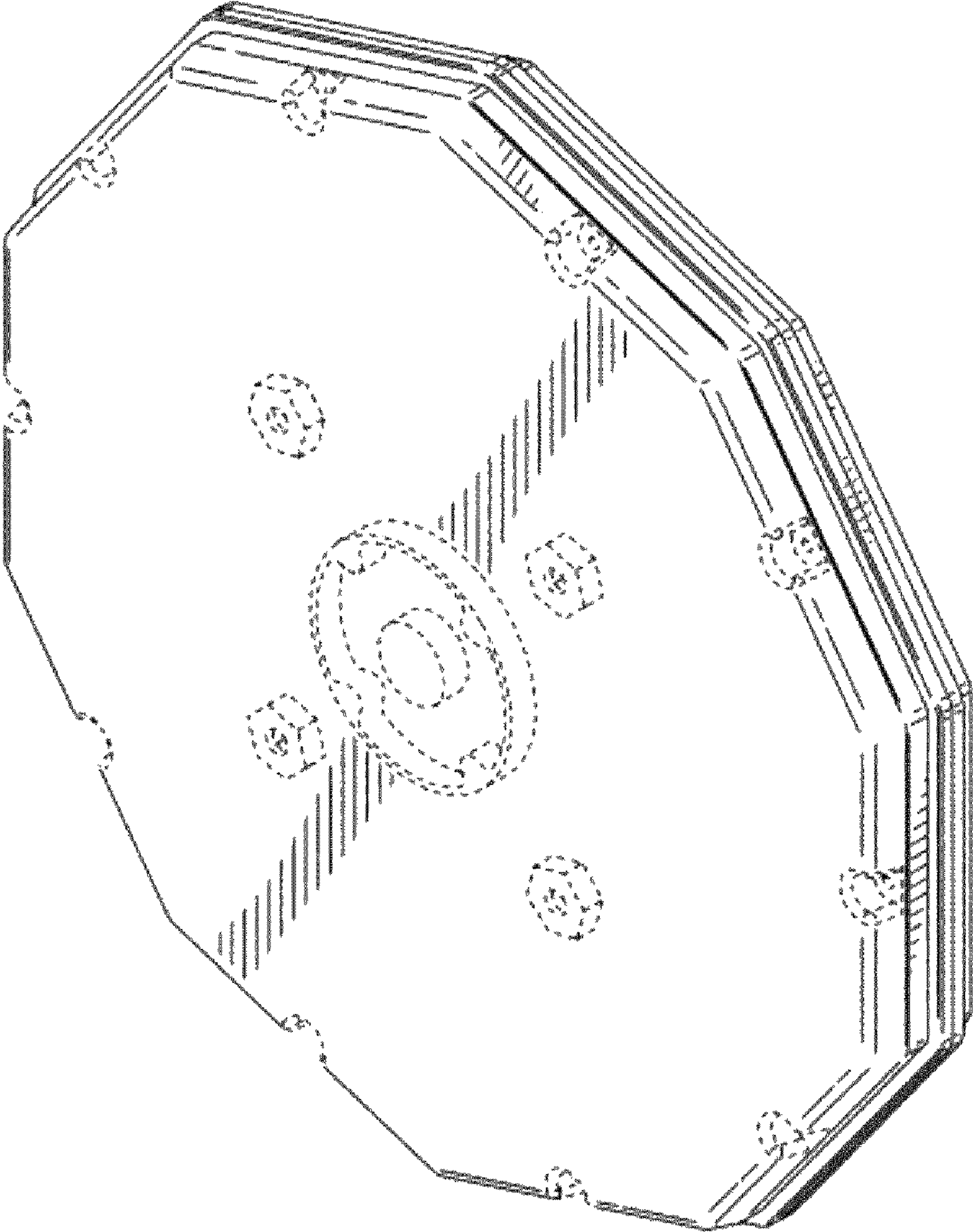


FIG. 2

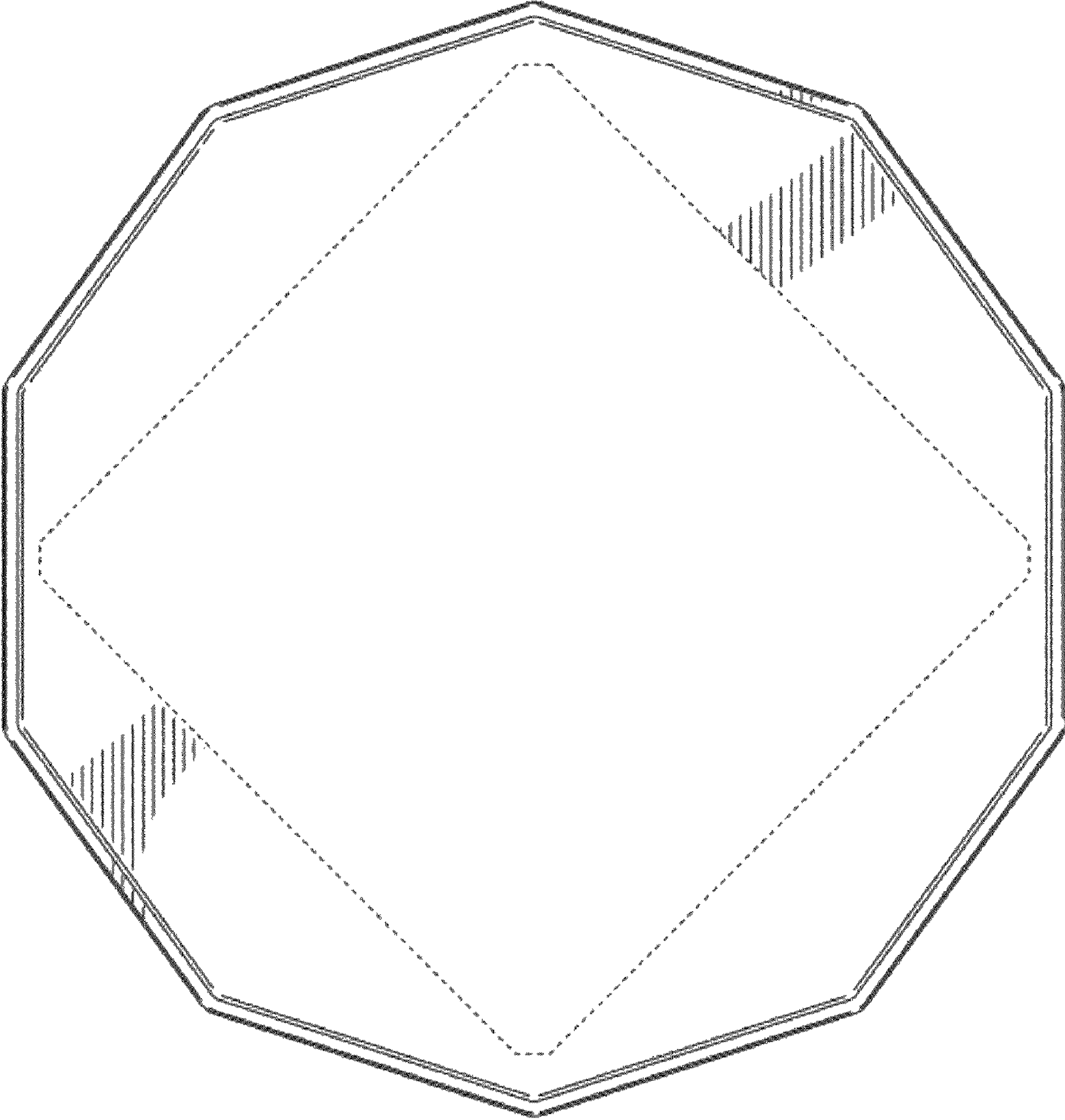


FIG. 3

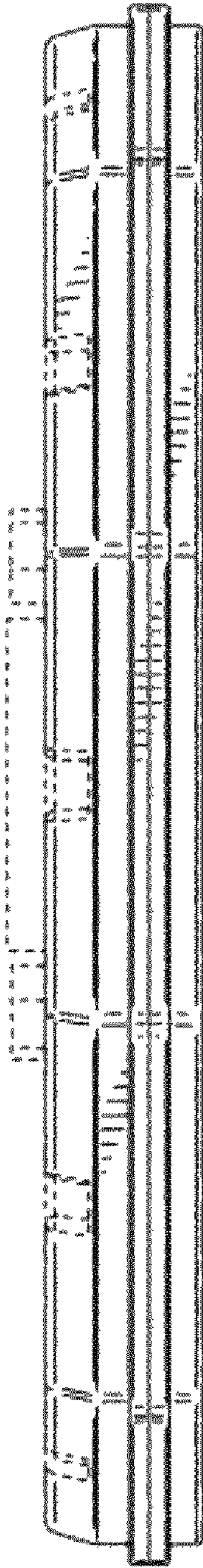


FIG. 4

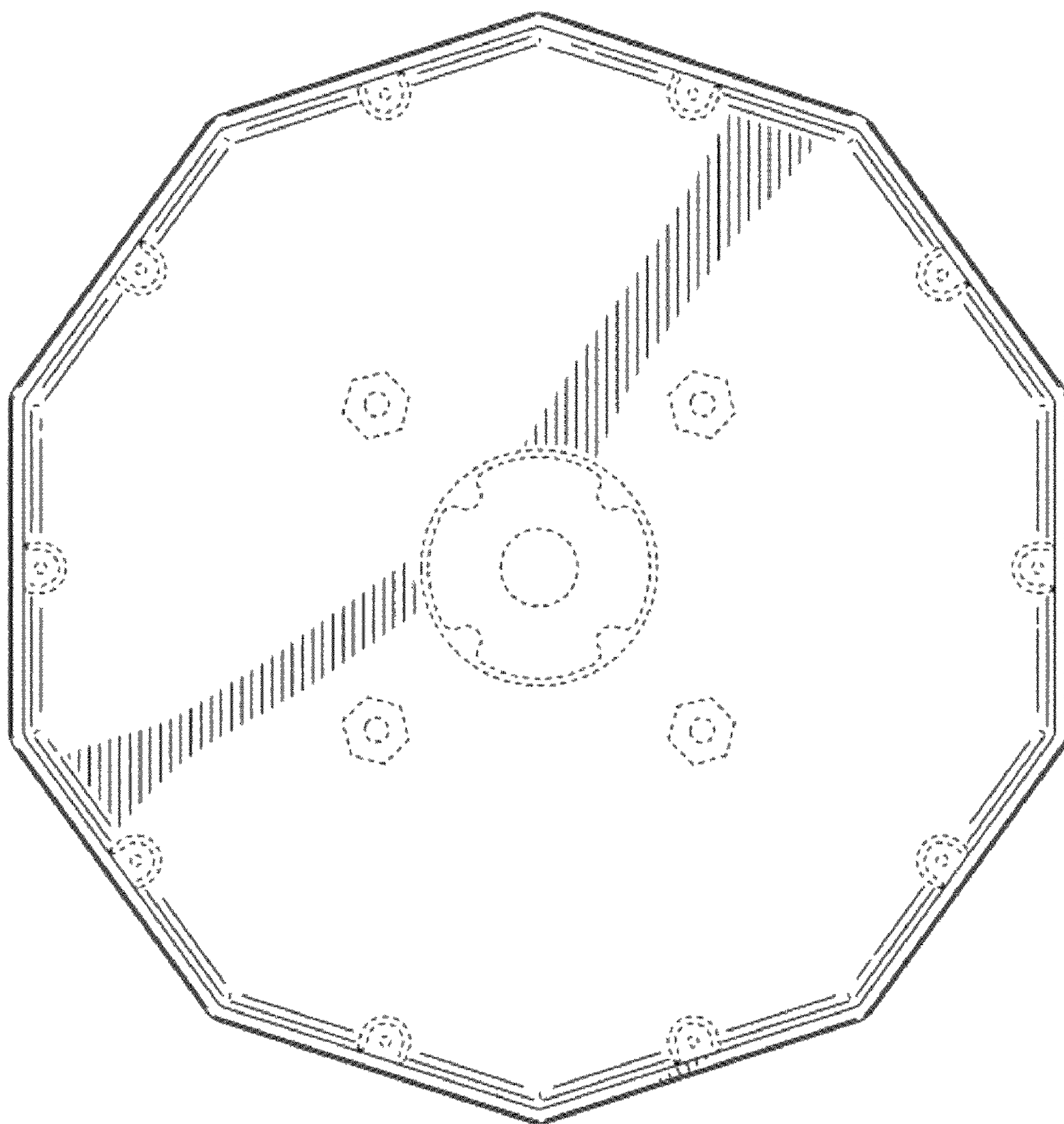


FIG. 5