



US00D769229S

(12) **United States Design Patent** (10) **Patent No.:** **US D769,229 S**  
**Gao et al.** (45) **Date of Patent:** **\*\* Oct. 18, 2016**

(54) **SATELLITE ANTENNA** D356,795 S \* 3/1995 Schultheiss ..... D14/231  
 D368,476 S \* 4/1996 DeLeon ..... D12/400  
 5,894,290 A \* 4/1999 Oona ..... H01Q 15/16  
 343/840

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 D423,511 S \* 4/2000 Bai ..... 343/765  
 D553,615 S \* 10/2007 Courtney ..... D14/231  
 7,898,491 B1 \* 3/2011 Curran ..... H01Q 19/134  
 343/781 CA

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 D696,650 S \* 12/2013 Siemers ..... D14/231  
 D707,208 S \* 6/2014 Kirkland ..... D14/231  
 2008/0186242 A1 \* 8/2008 Shuster ..... H01Q 1/1257  
 343/762

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 2011/0267255 A1 \* 11/2011 Locatori ..... H01Q 1/18  
 343/872

\* cited by examiner

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

(21) Appl. No.: **29/520,432**

(22) Filed: **Mar. 13, 2015**

(30) **Foreign Application Priority Data**

Jan. 8, 2015 (CN) ..... 2015 3 0005265

(51) **LOC (10) Cl.** ..... **14-03**

(52) **U.S. Cl.**  
 USPC ..... **D14/231**

(58) **Field of Classification Search**  
 USPC ..... D14/203–238; D21/300–304, 324–325,  
 D21/402–403, 443, 447, 471, 479, 487, 503  
 CPC .. H04B 7/0617; H04B 7/0634; H04B 13/00;  
 H04B 1/001; H04M 1/026; H01Q 3/005;  
 H01Q 3/34; G06F 1/18; H05K 1/00  
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,626,864 A \* 12/1986 Micklethwaite ..... H01Q 3/04  
 248/183.2  
 4,748,451 A \* 5/1988 Edwards ..... H01Q 19/13  
 248/274.1

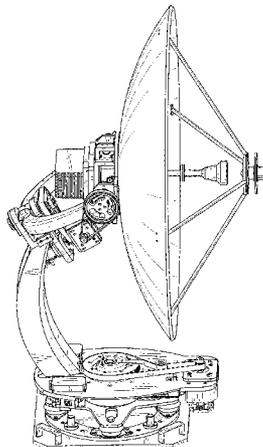
(57) **CLAIM**

The ornamental design for a satellite antenna, as shown and described.

**DESCRIPTION**

FIG. 1 is a top left perspective view of a satellite antenna showing our new design;  
 FIG. 2 is a front elevation view thereof;  
 FIG. 3 is a rear elevation view thereof;  
 FIG. 4 is a right side elevation view thereof;  
 FIG. 5 is a left side elevation view thereof;  
 FIG. 6 is a top plan view thereof;  
 FIG. 7 is a bottom plan view thereof;  
 FIG. 8 is a top right front perspective view thereof;  
 FIG. 9 is a bottom rear left perspective view thereof; and,  
 FIG. 10 is a top left front perspective view thereof.  
 The dashed broken lines illustrate portions of the satellite antenna and form no part of the claimed design.

**1 Claim, 10 Drawing Sheets**



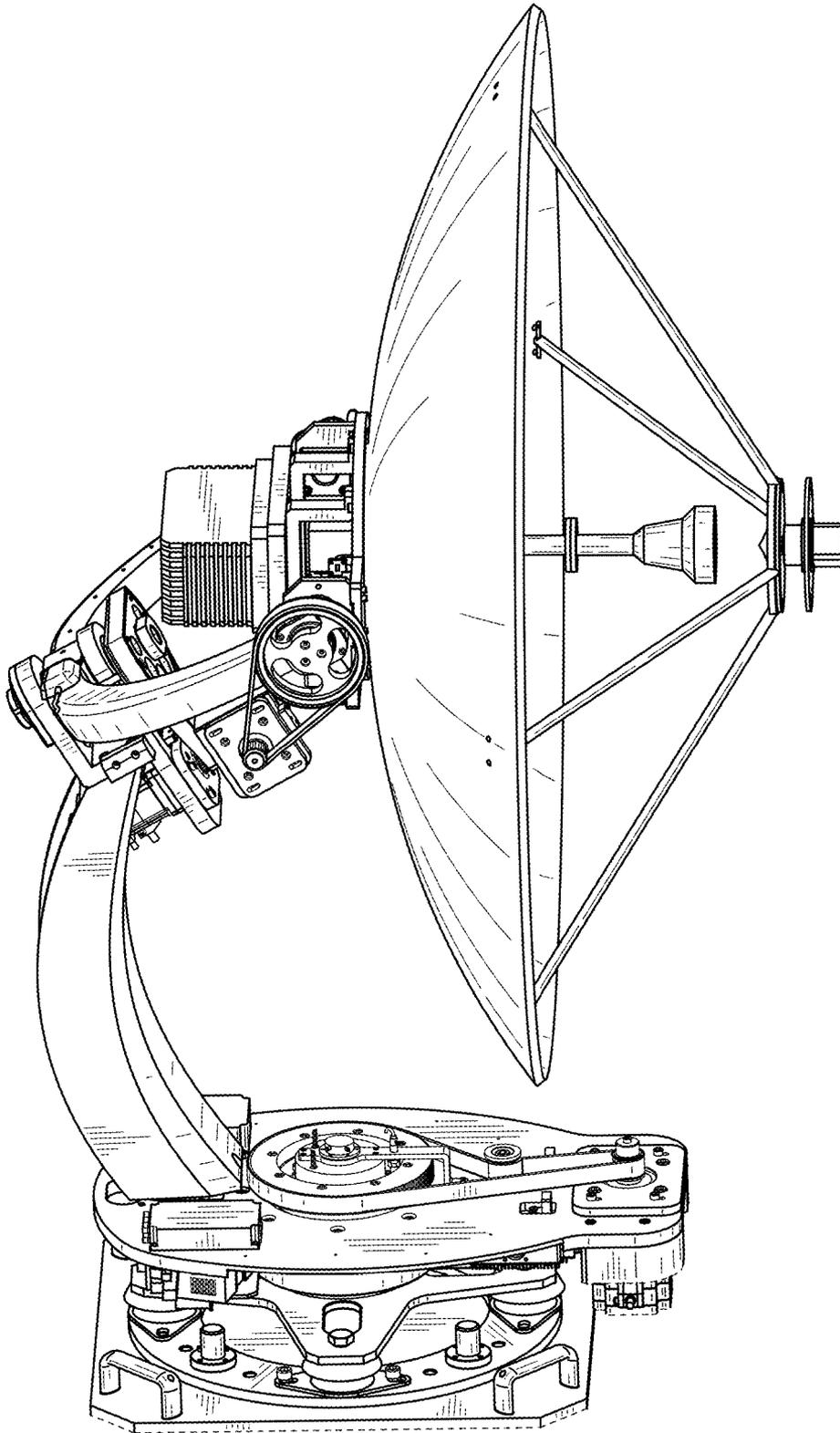


FIG. 1

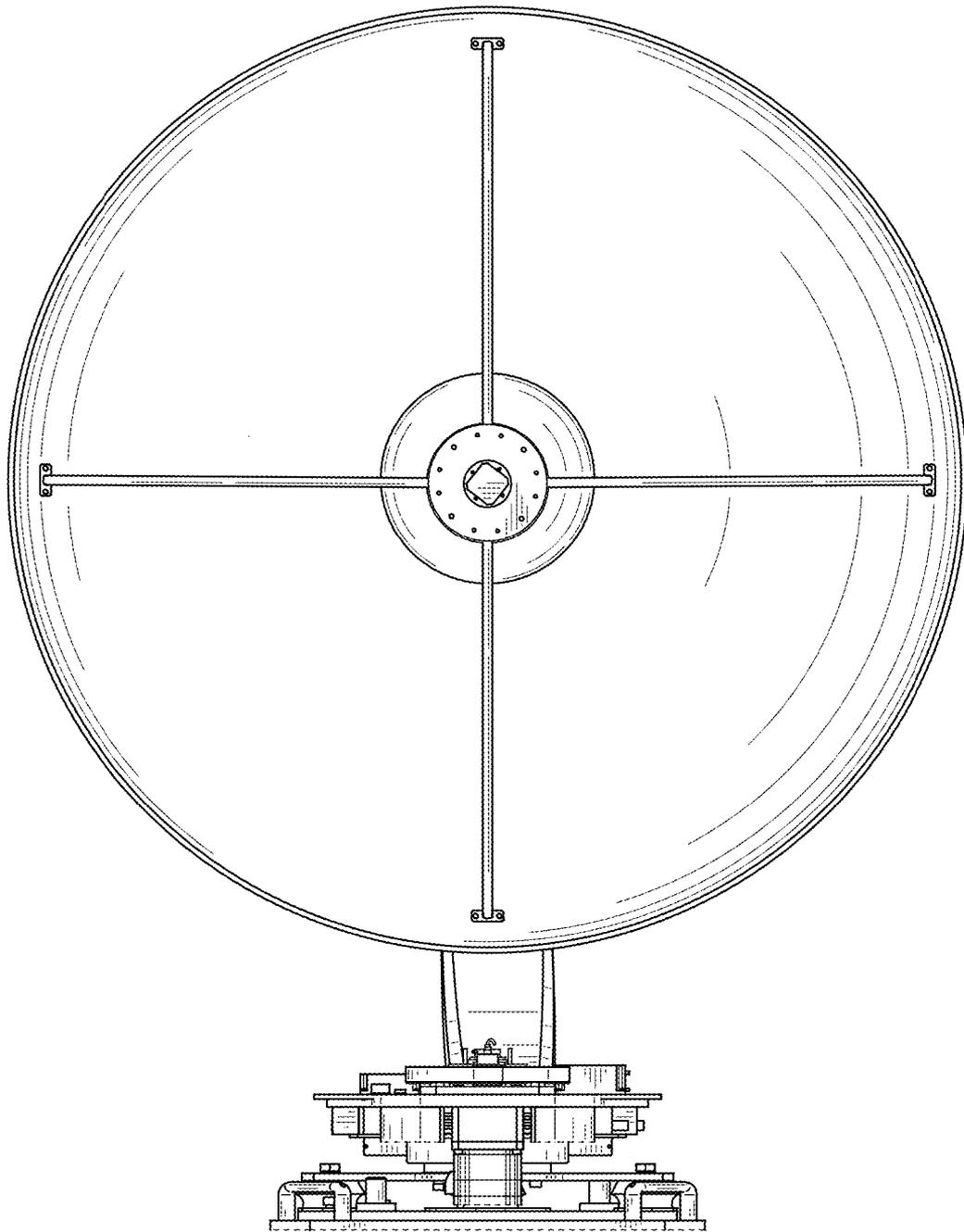


FIG. 2

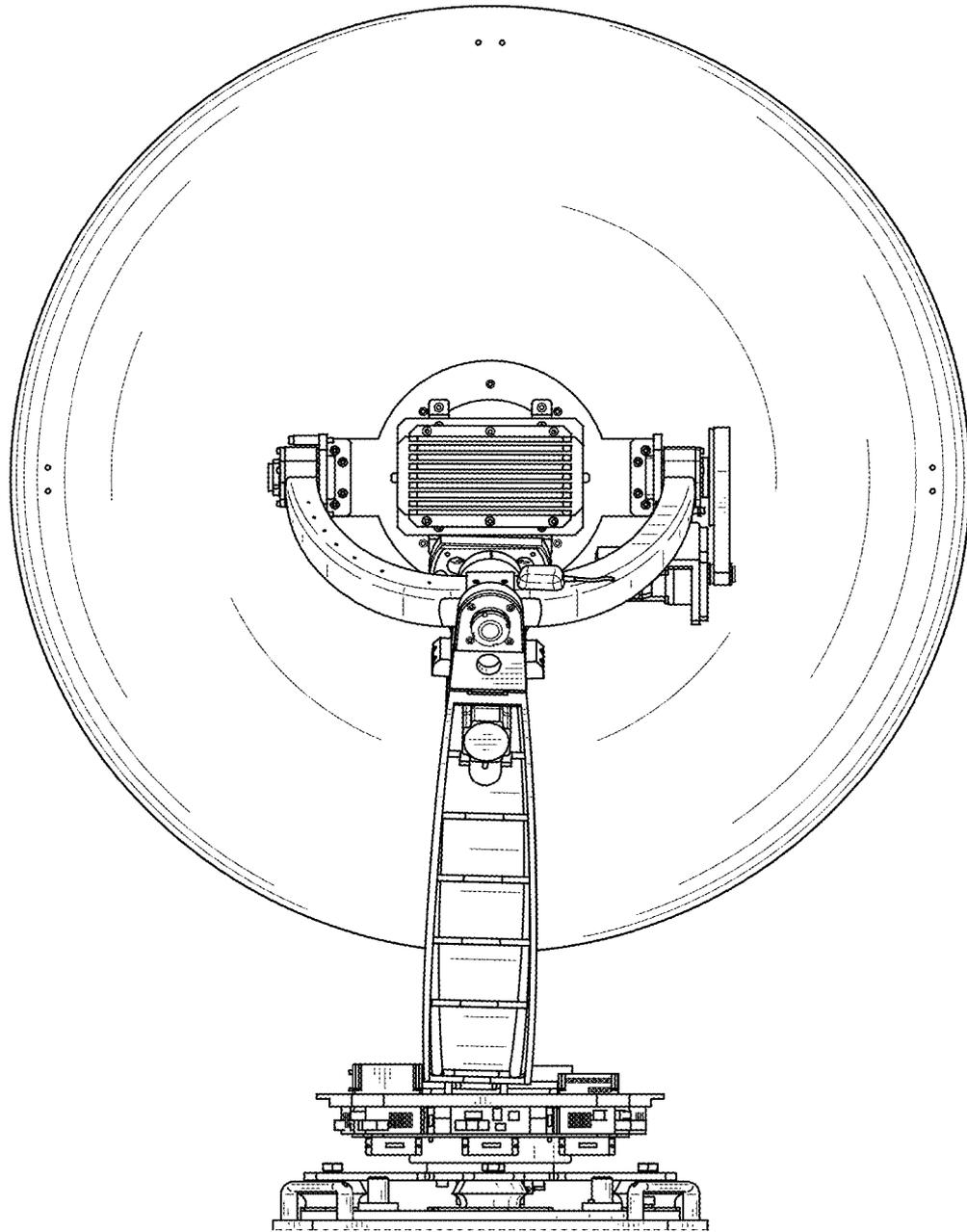


FIG. 3

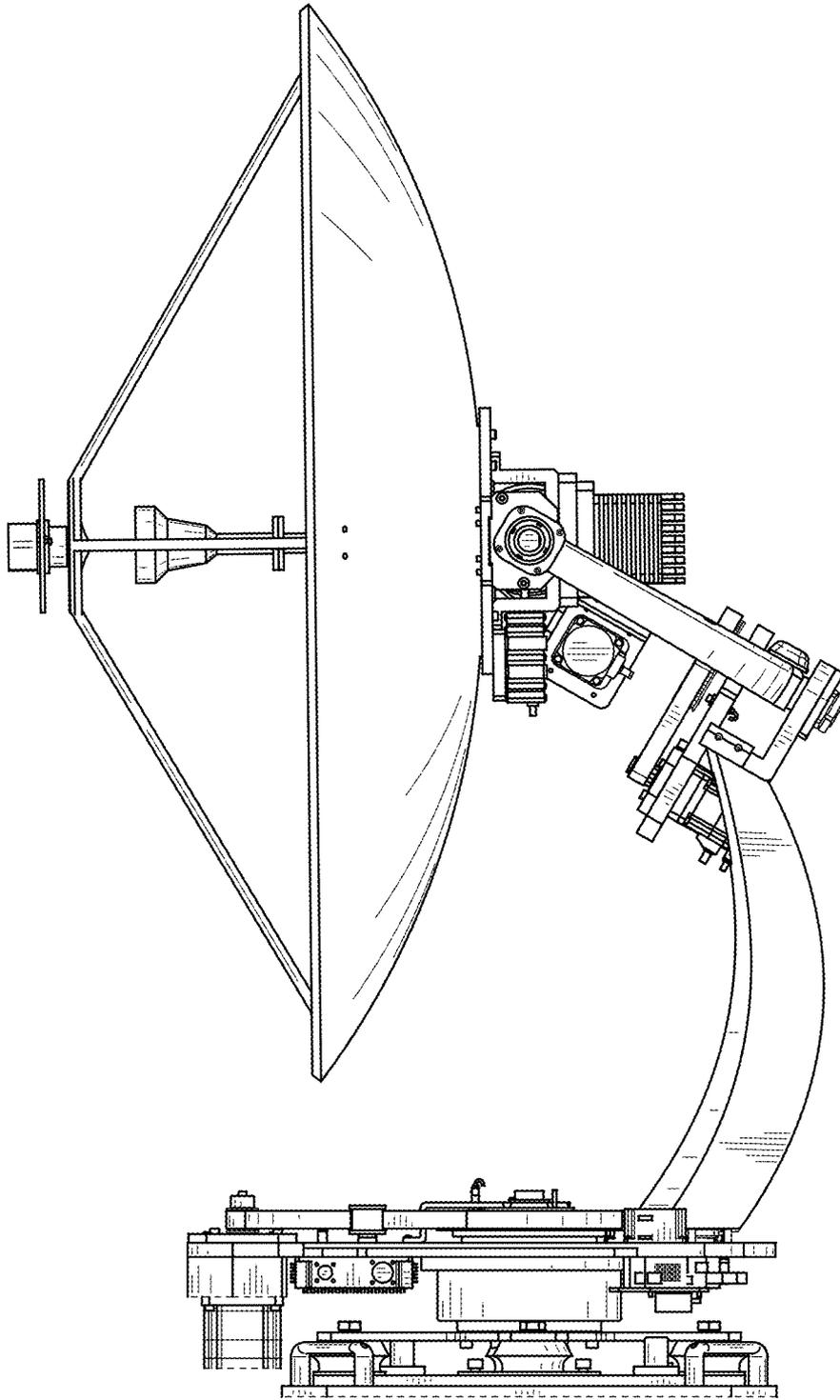


FIG. 4

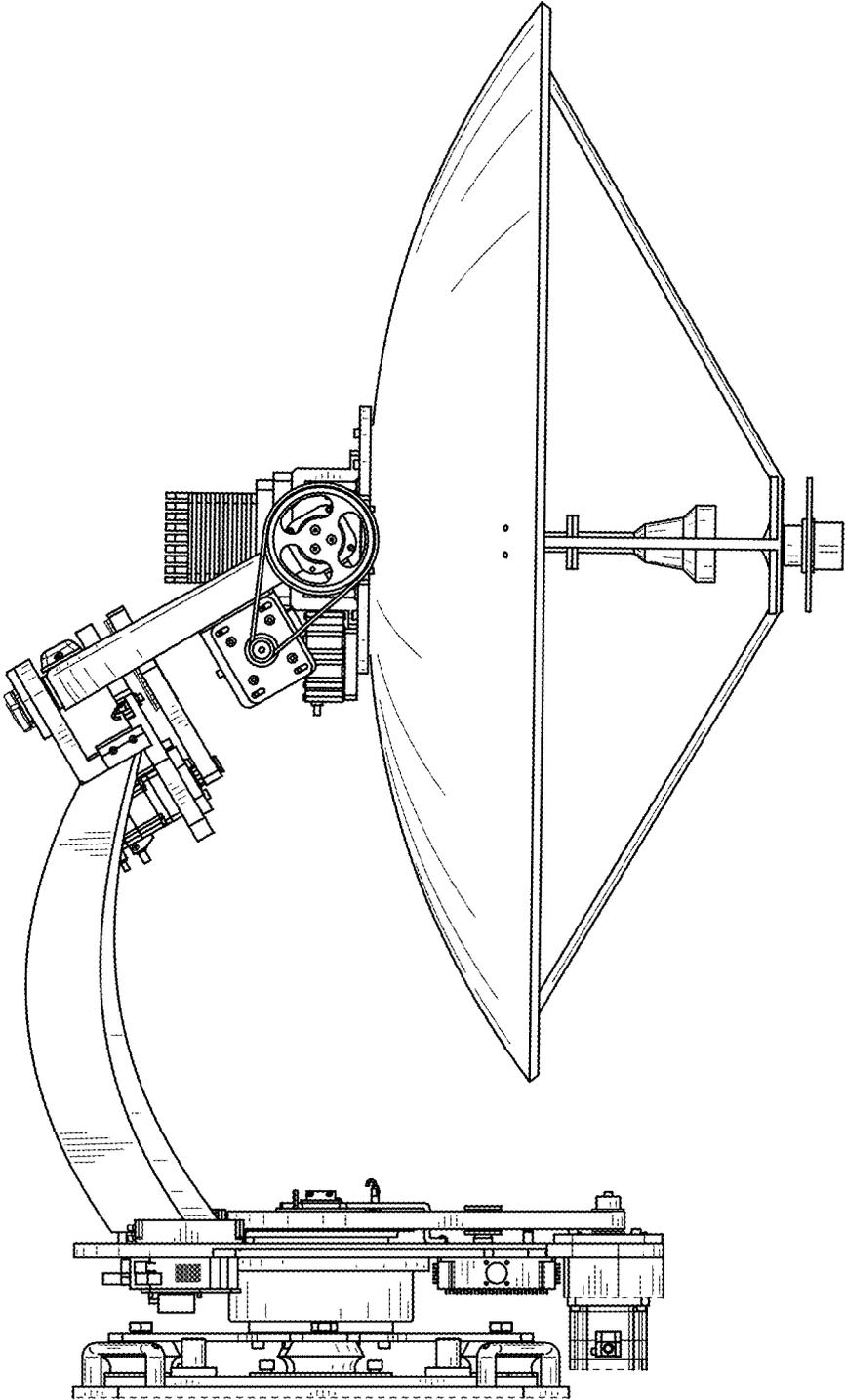


FIG. 5

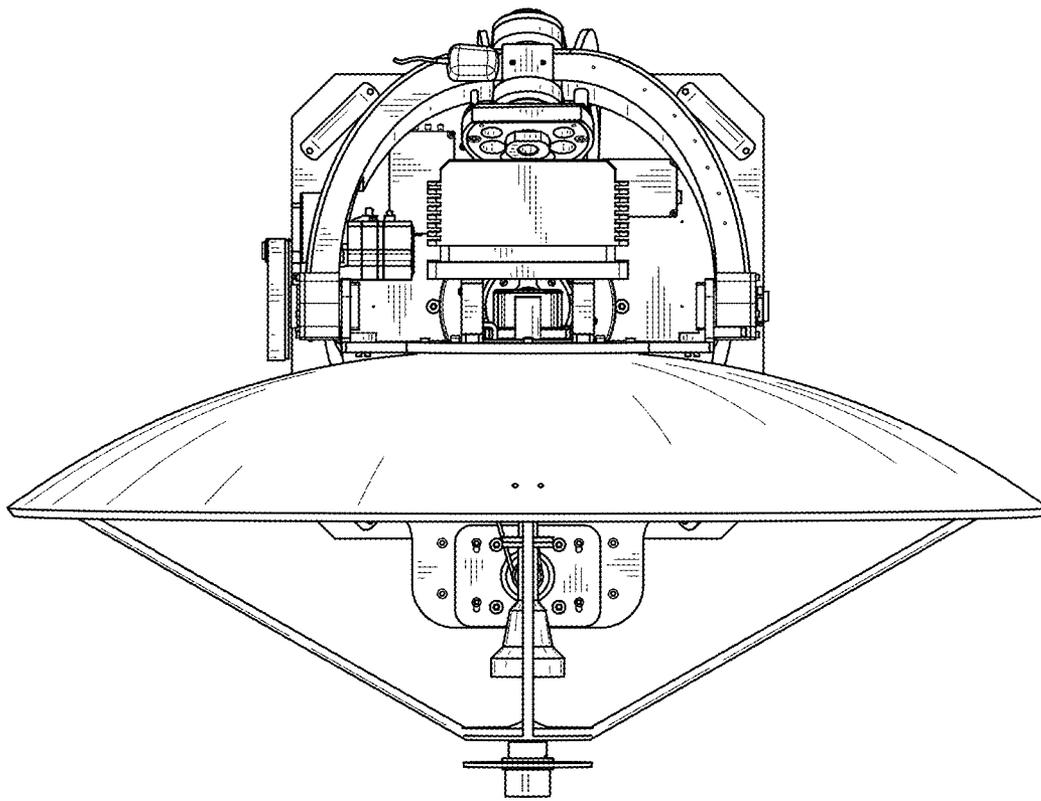


FIG. 6

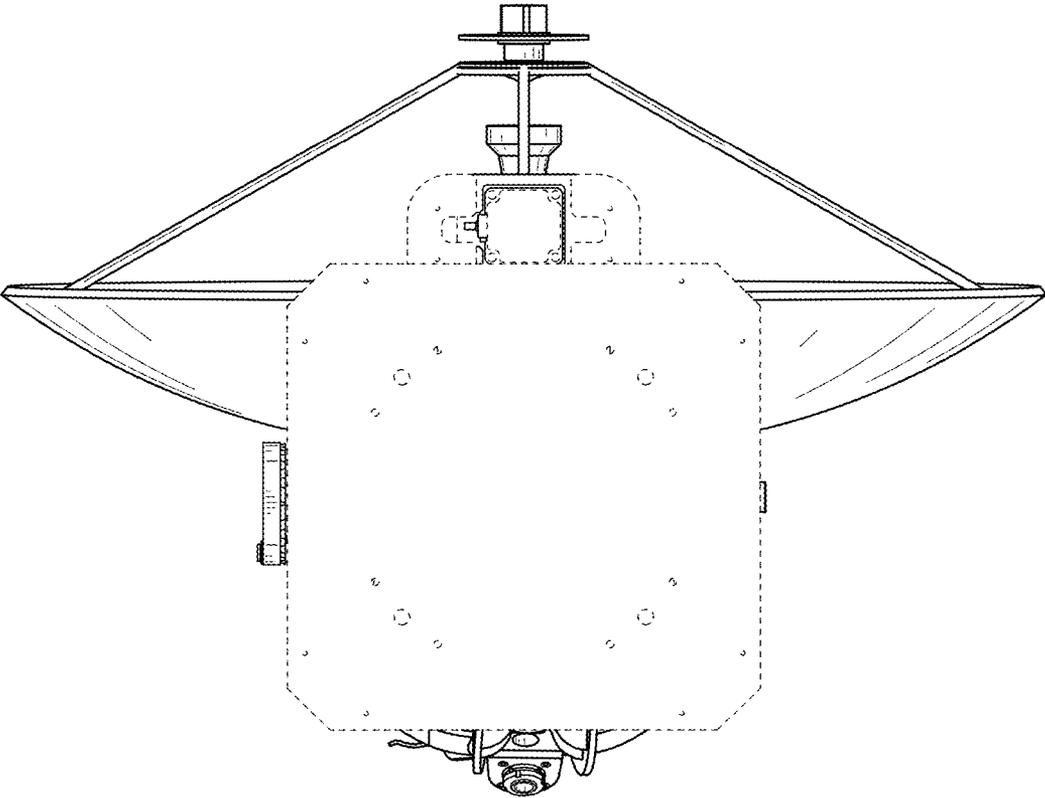


FIG. 7

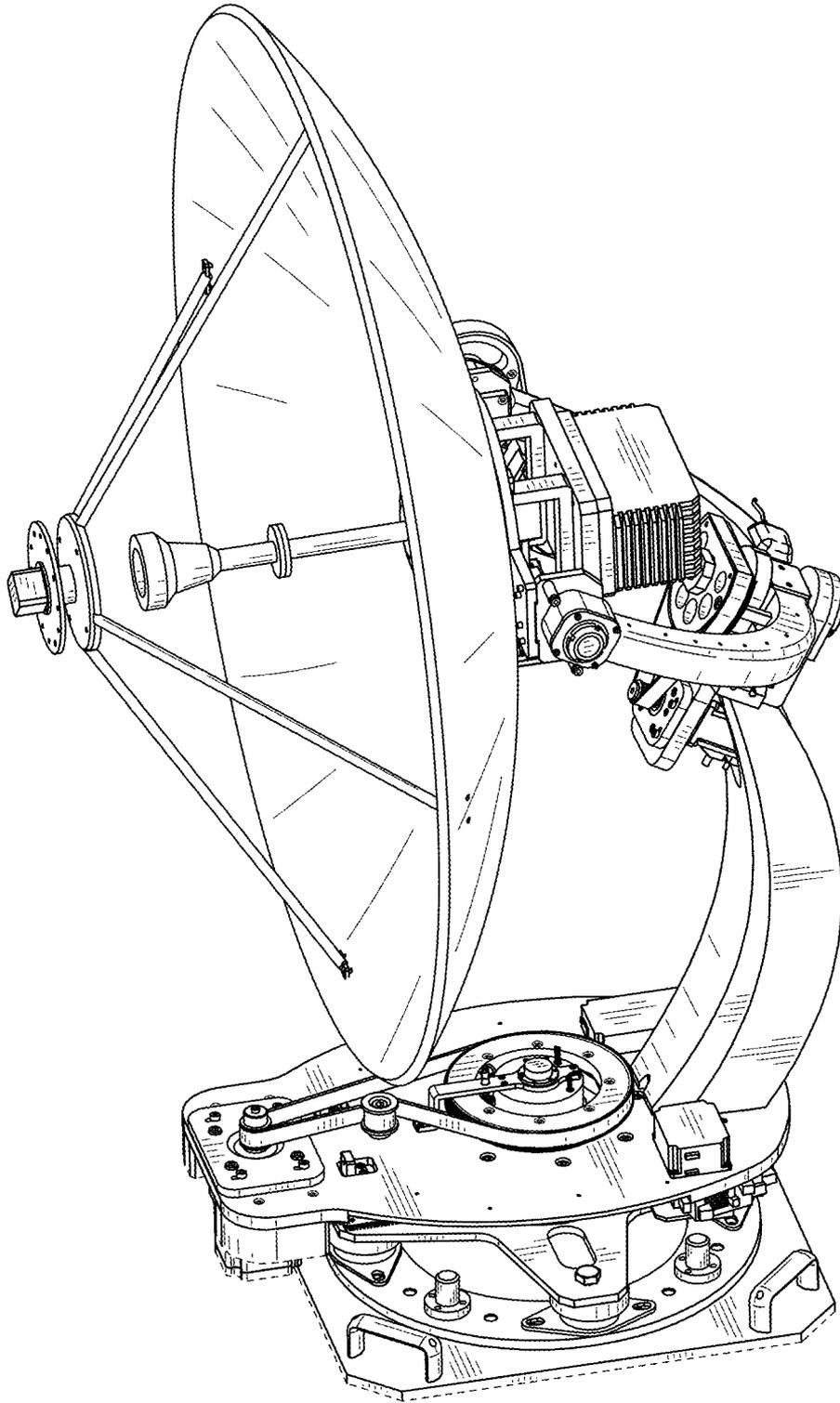


FIG. 8

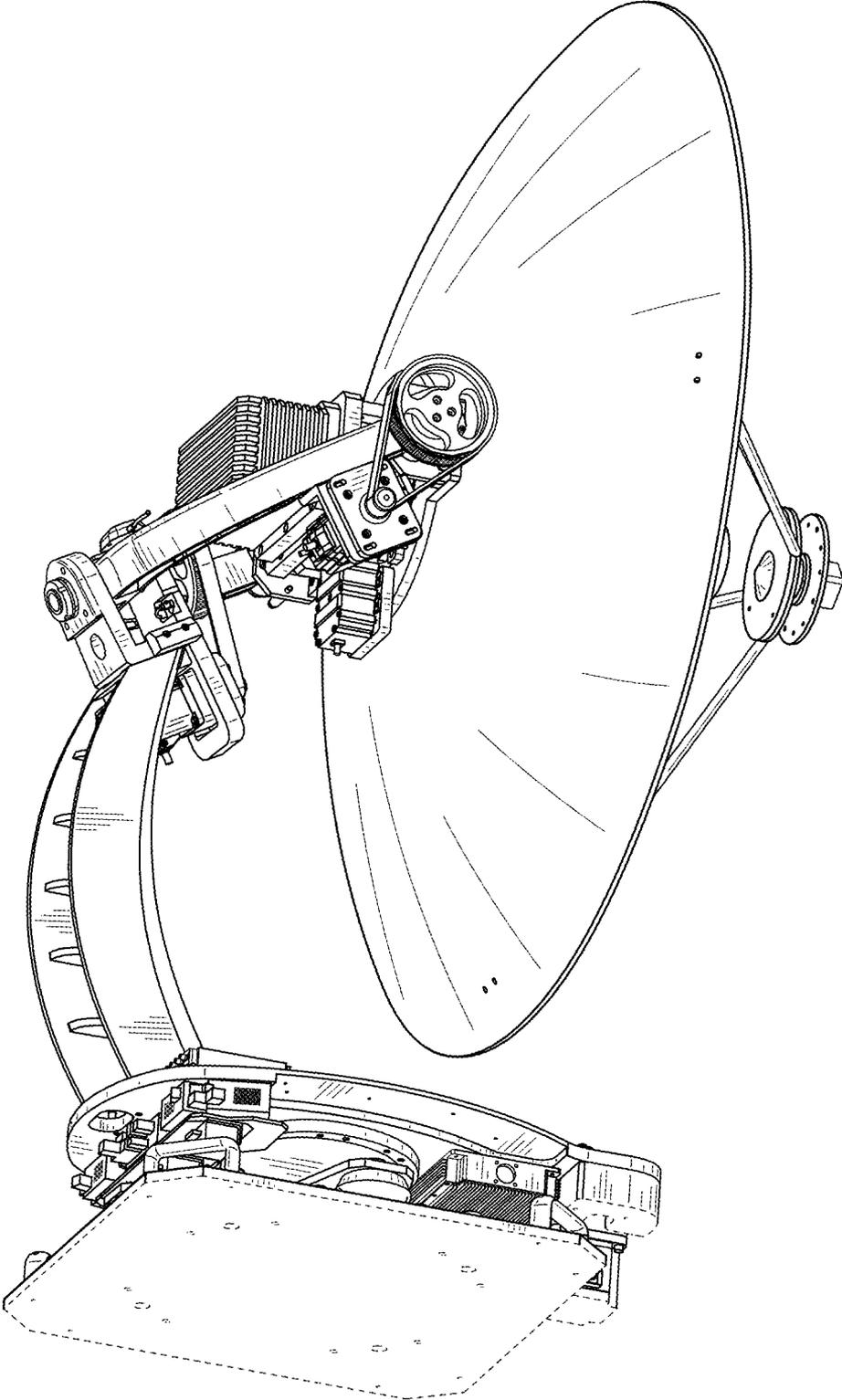


FIG. 9

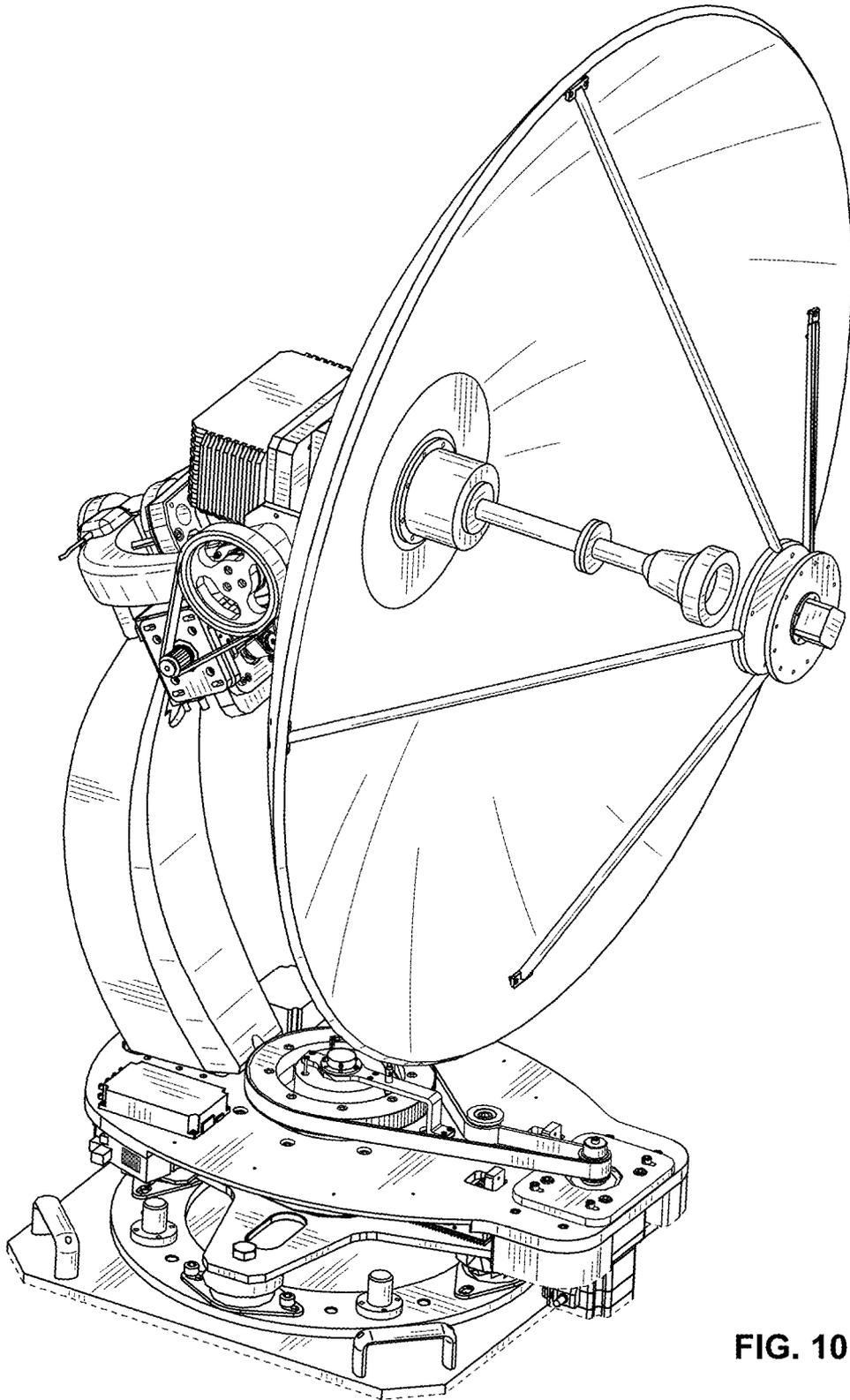


FIG. 10