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(12) **United States Design Patent** (10) **Patent No.:** **US D831,755 S**  
**Wang et al.** (45) **Date of Patent:** **\*\* Oct. 23, 2018**

(54) **JOINT MODULE OF ROBOTIC TOY**

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(\*\*) Term: **15 Years**

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(51) **LOC (11) Cl.** ..... **21-01**

(52) **U.S. Cl.**  
USPC ..... **D21/578**

(58) **Field of Classification Search**  
USPC ..... D14/302, 307; D15/199, 144; D16/134, D16/136, 200, 202–208, 218, 219; D21/578, 579, 576, 621–627, 630; D24/185

CPC . B25J 9/044; B25J 9/003; B25J 9/0078; B25J 9/102; B25J 18/00; B25J 18/002; B25J 18/04; B25J 18/007; B25J 15/00; B25J 15/0033; B25J 15/0038; A63H 27/12; A63H 30/04; A63H 33/005; A63H 33/26; A63H 33/04; A63H 33/042

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D563,486 S \* 3/2008 Slater ..... D21/498  
D673,988 S \* 1/2013 Riegl ..... D16/202

D700,232 S \* 2/2014 Ramsay ..... D16/207  
D740,873 S \* 10/2015 Scalisi ..... D16/203  
D741,931 S \* 10/2015 Huang ..... D16/202  
D745,587 S \* 12/2015 Leung ..... D16/203  
D761,342 S \* 7/2016 Kim ..... D16/203  
D768,223 S \* 10/2016 Wu ..... D16/203  
D792,496 S \* 7/2017 Meyer ..... D16/207  
D811,463 S \* 2/2018 Kim ..... D16/203  
D824,460 S \* 7/2018 Wang ..... D21/578  
2006/0134978 A1 \* 6/2006 Rosen ..... A63H 33/042 439/581  
2016/0339351 A1 \* 11/2016 Akishbekov ..... A63H 33/042

\* cited by examiner

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(57) **CLAIM**

The ornamental design for a joint module of robotic toy, as shown and described.

**DESCRIPTION**

FIG. 1 is a bottom front perspective view of a joint module of robotic toy showing the claimed design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a left side view thereof;

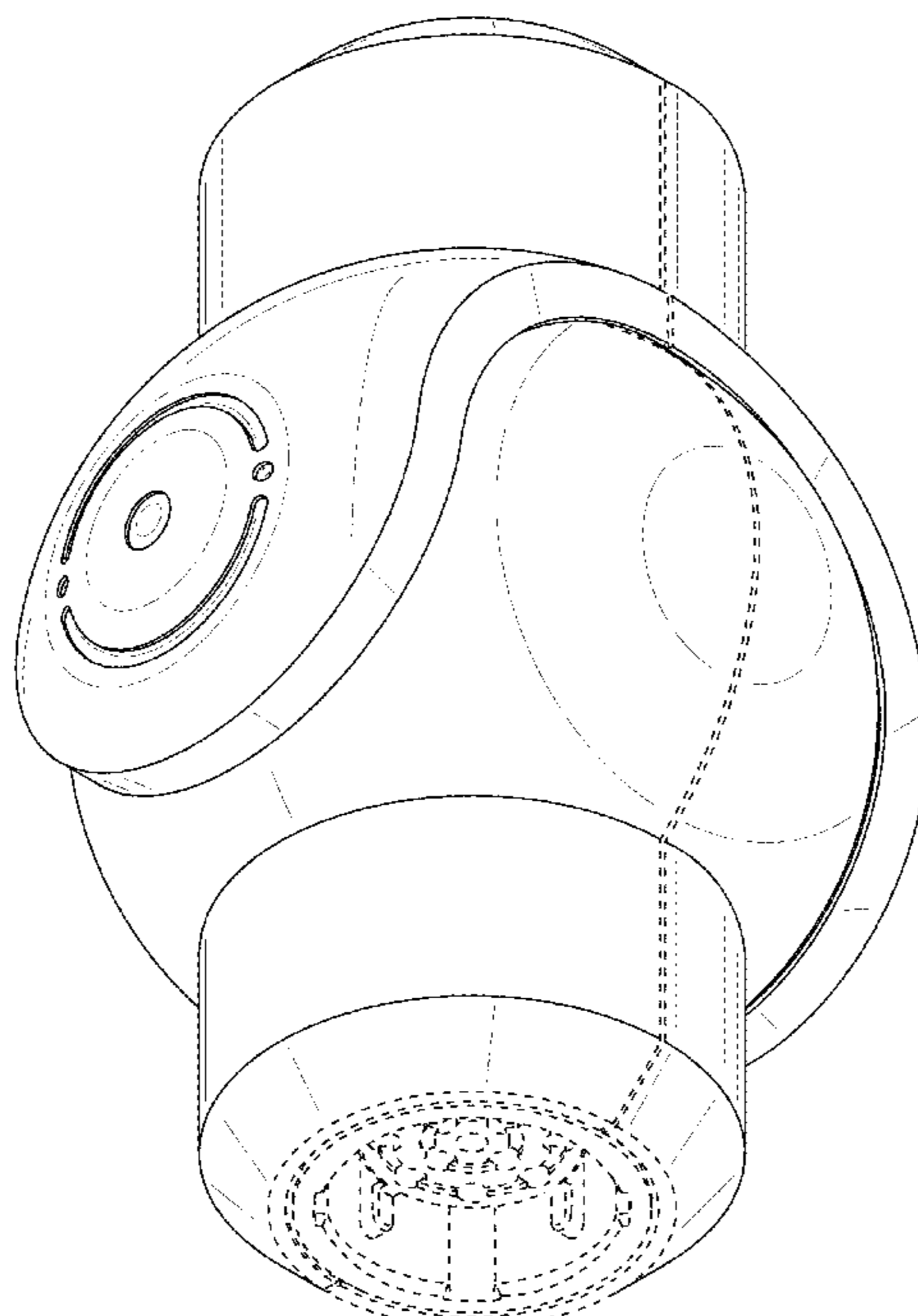
FIG. 5 is a right side view thereof;

FIG. 6 is a top view thereof; and,

FIG. 7 is a bottom view thereof.

The broken lines in the figures show portions of the joint module of robotic toy that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



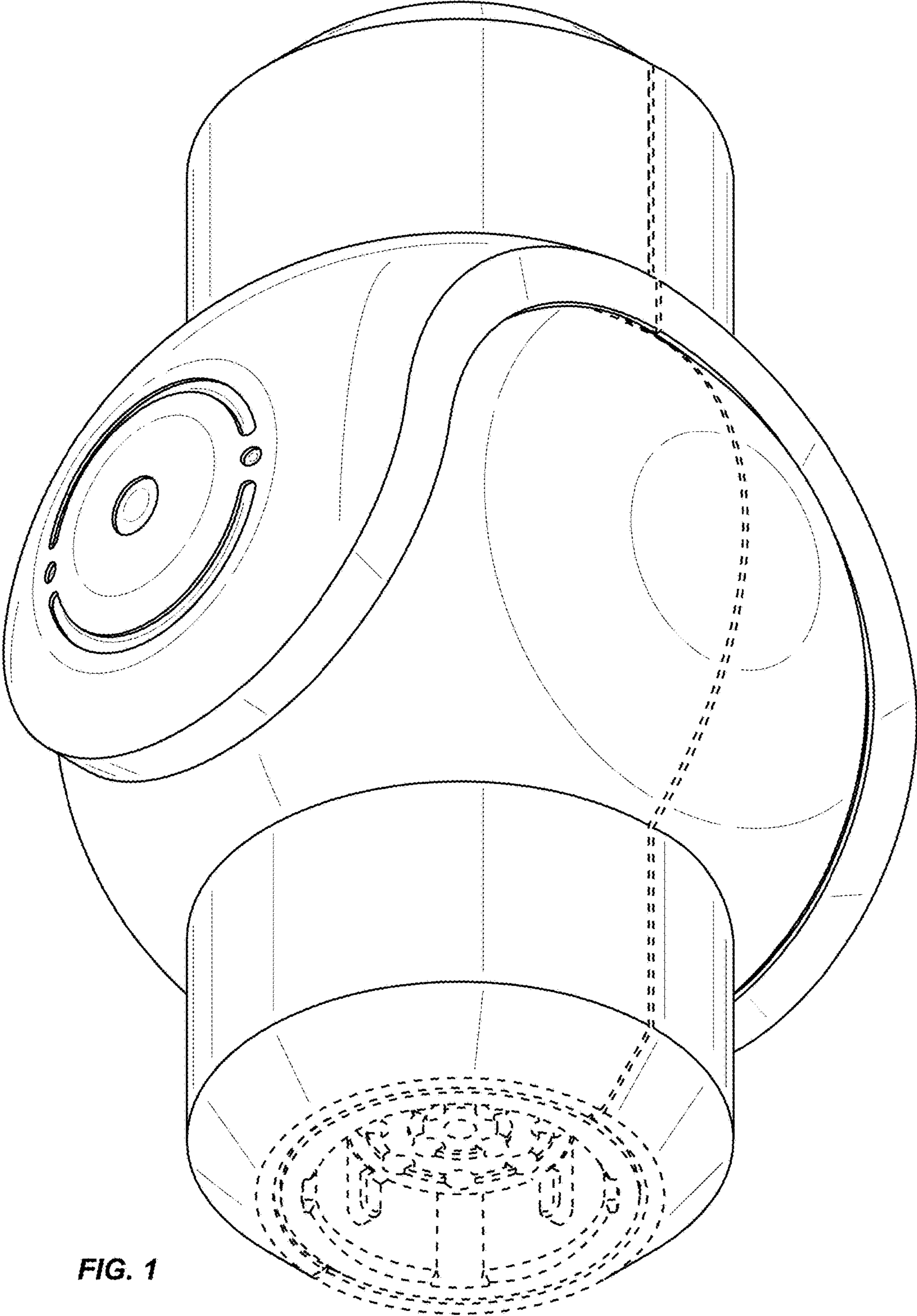


FIG. 1

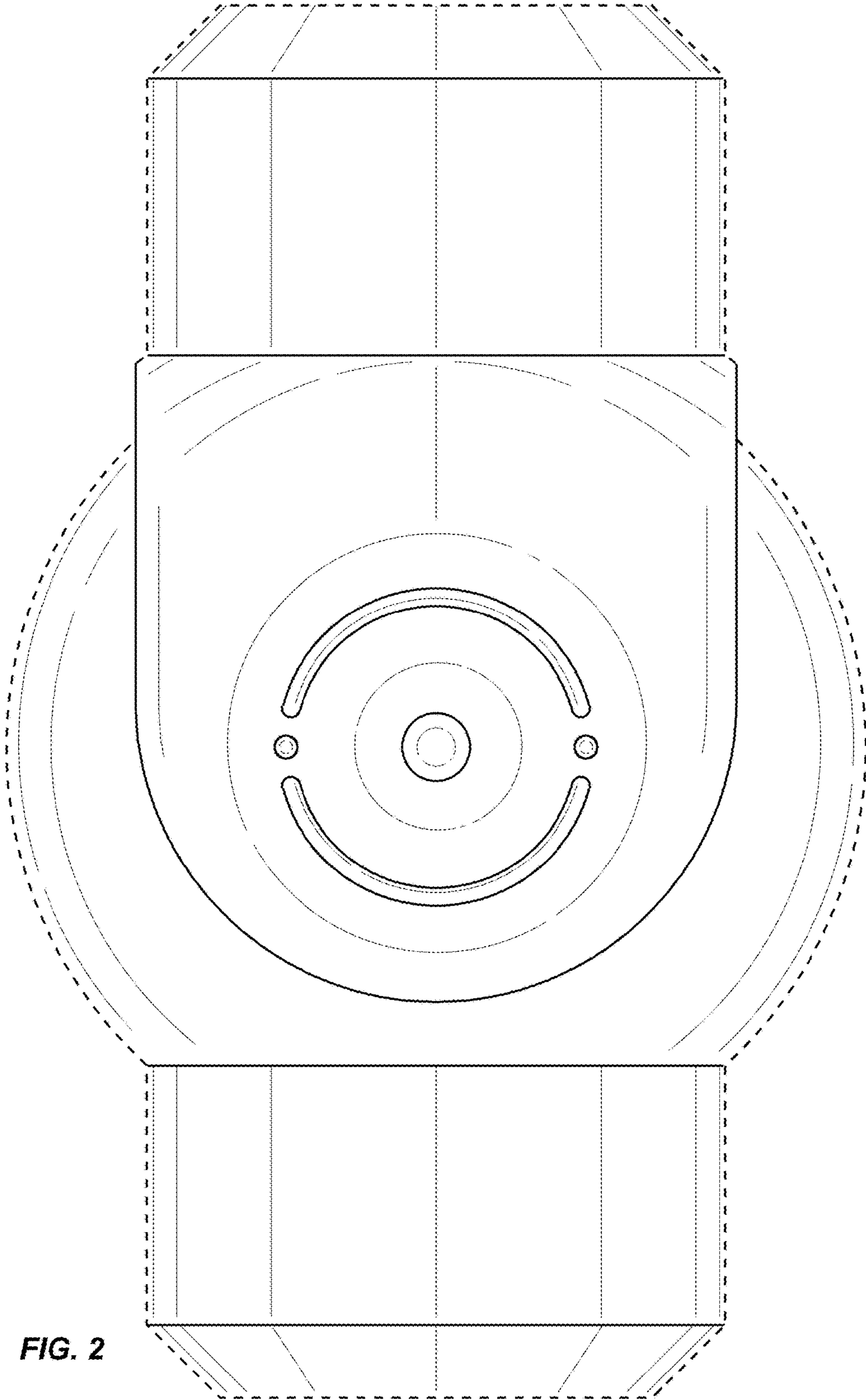


FIG. 2

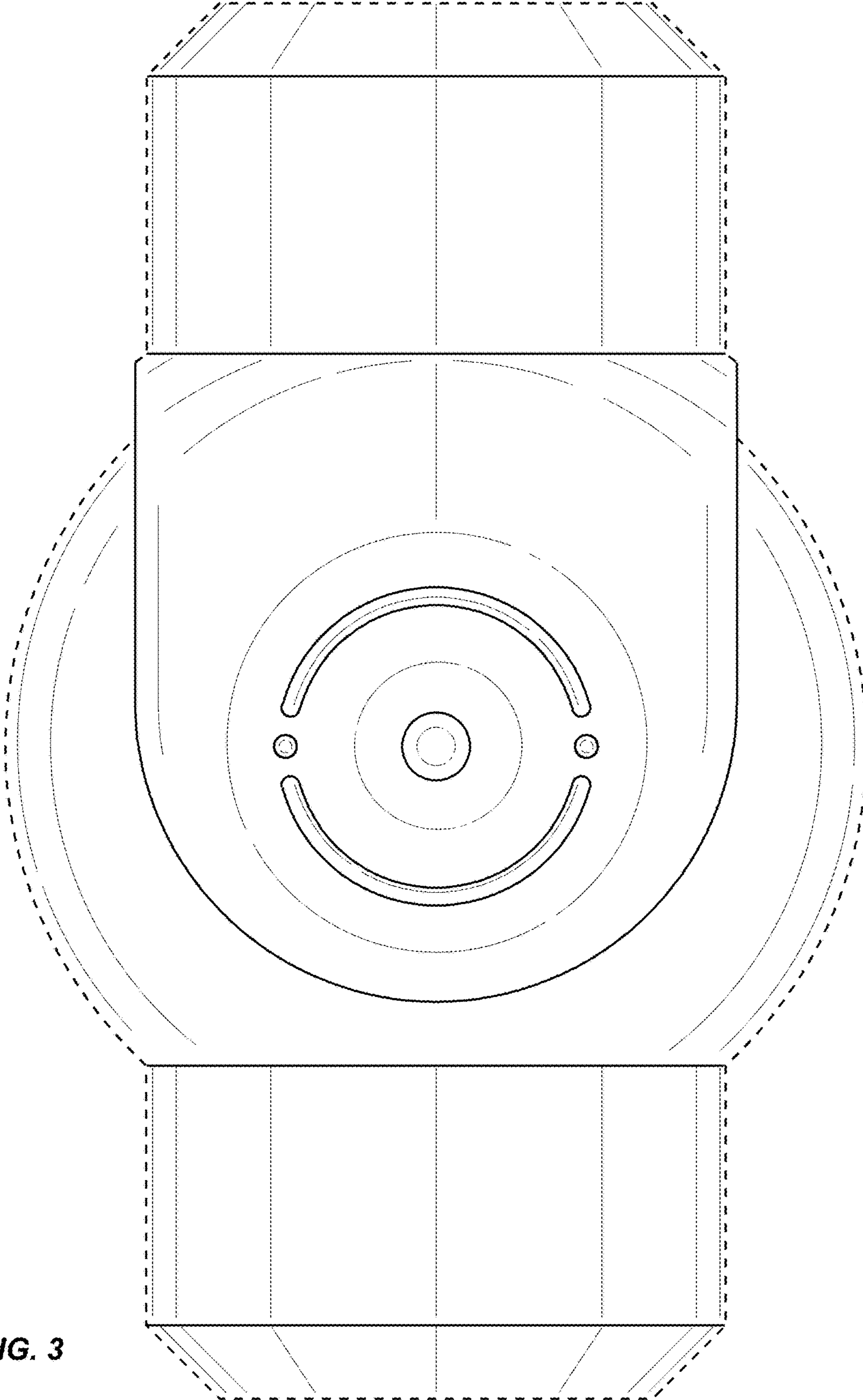


FIG. 3

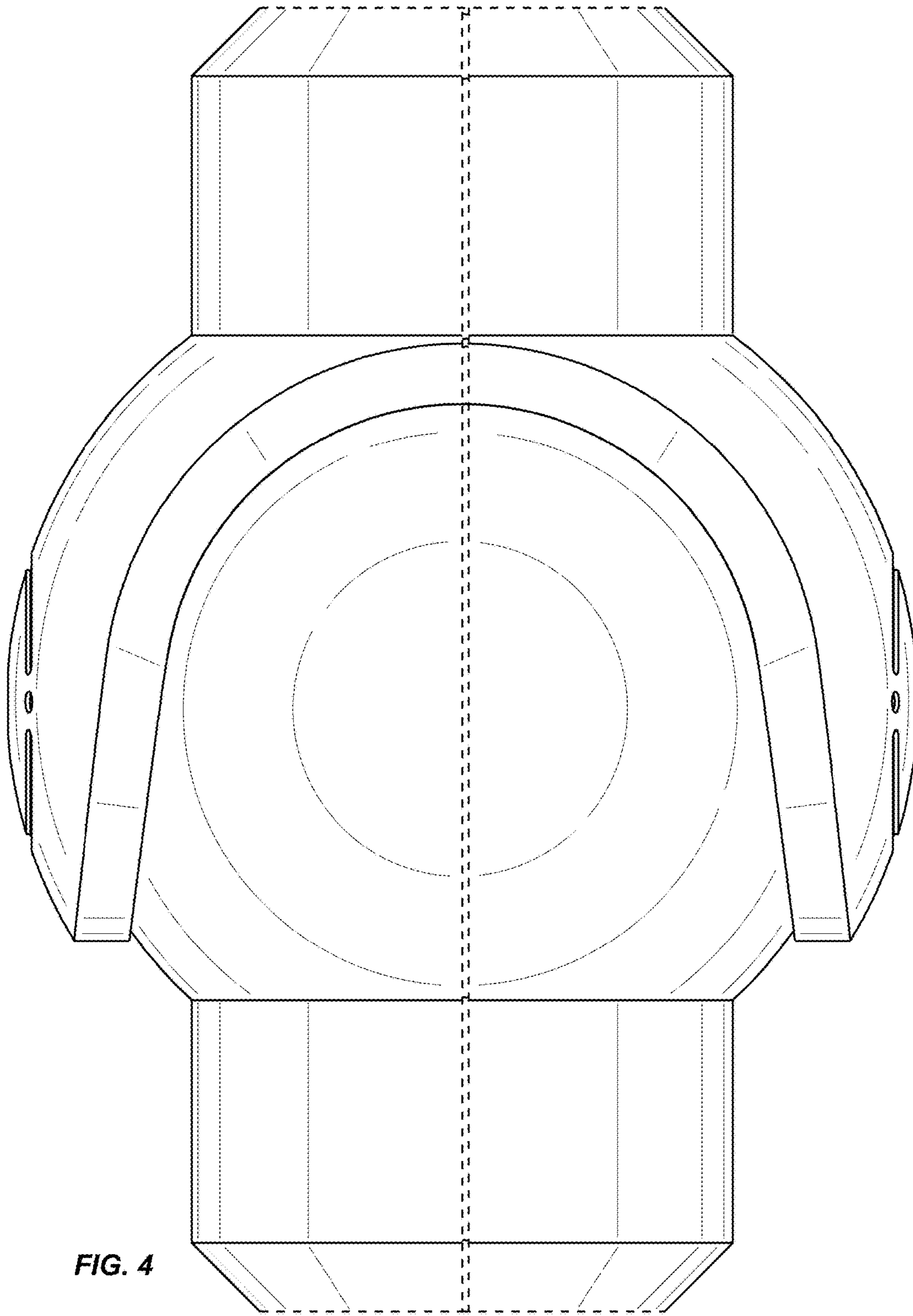


FIG. 4

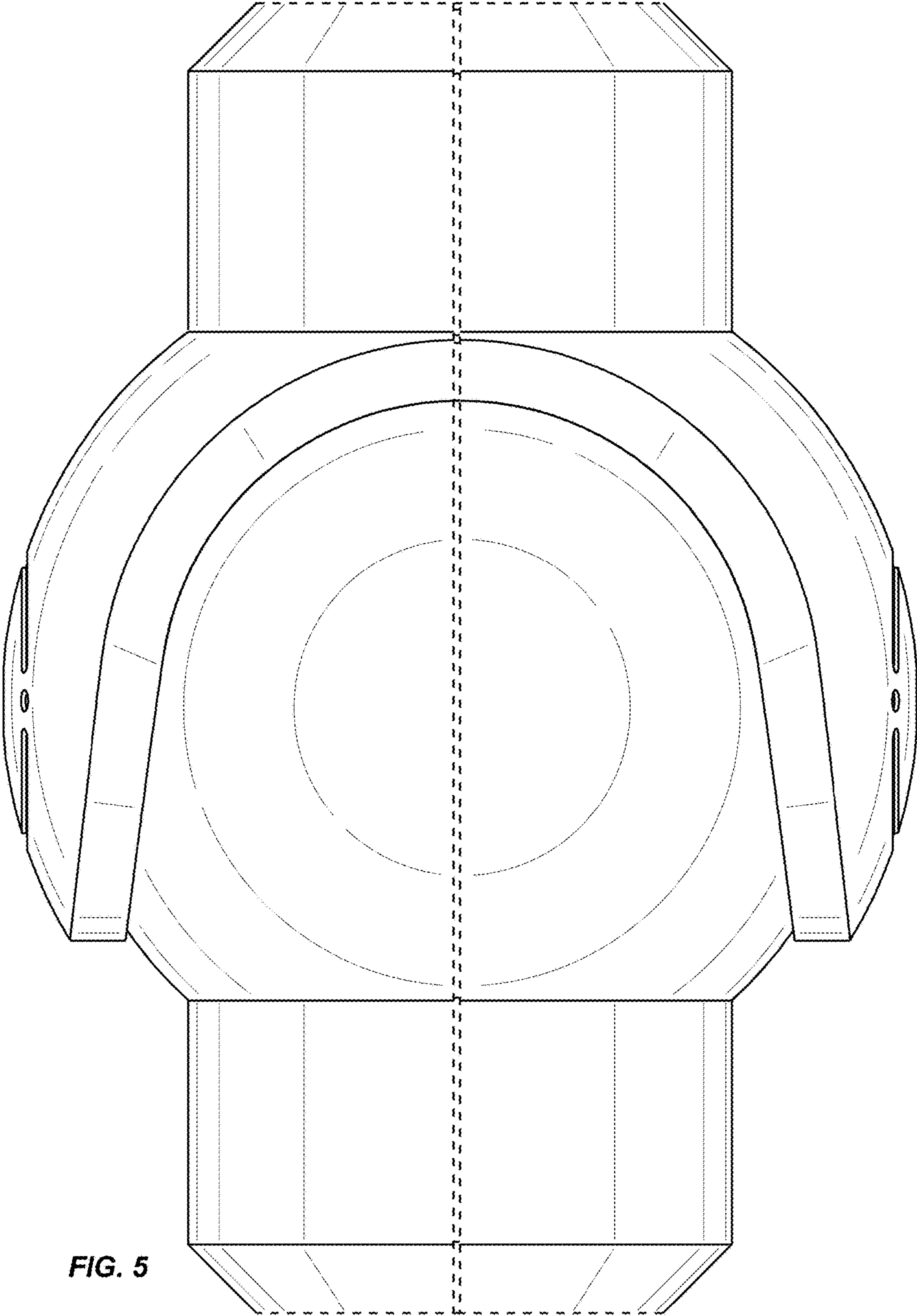


FIG. 5

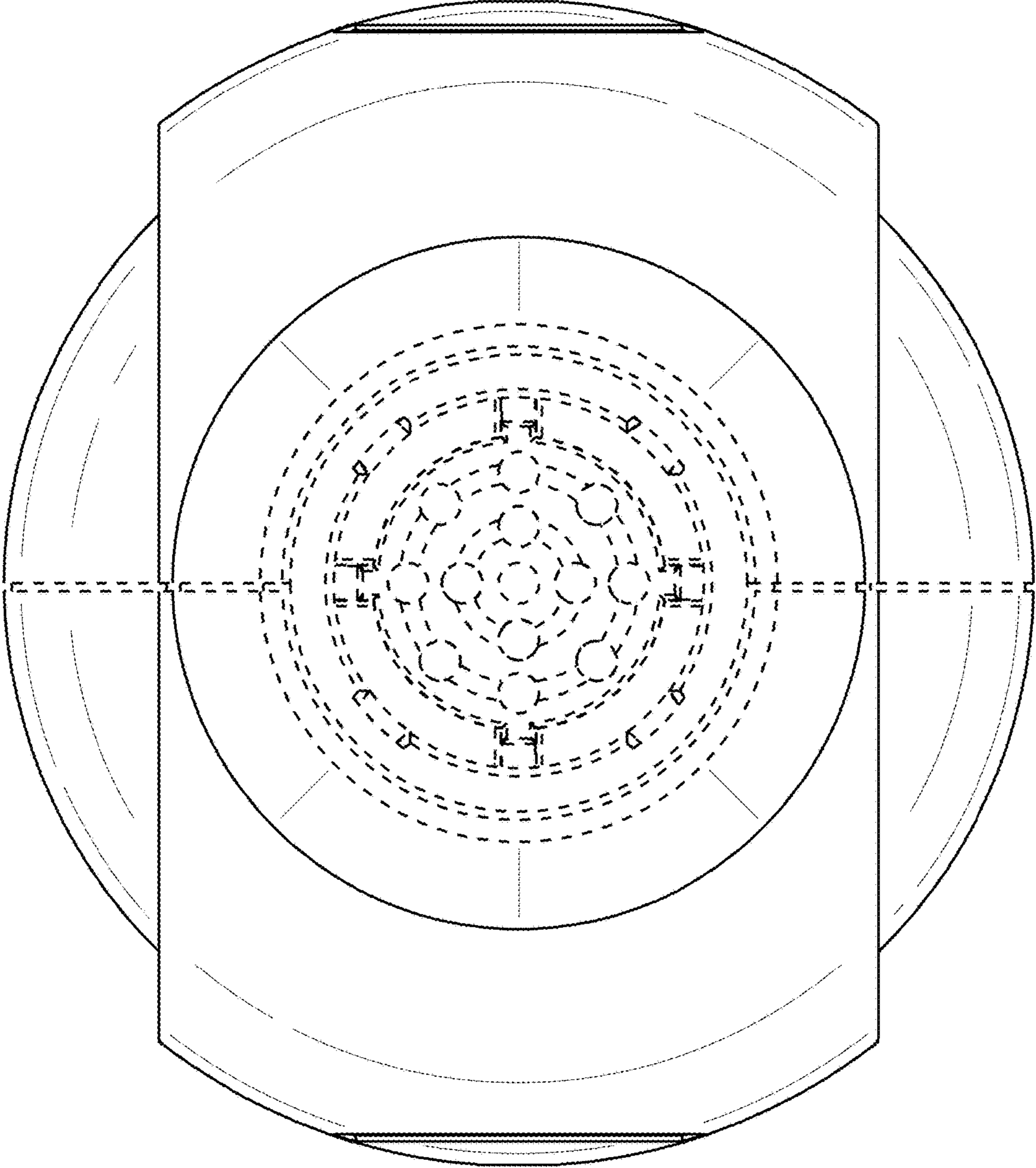


FIG. 6

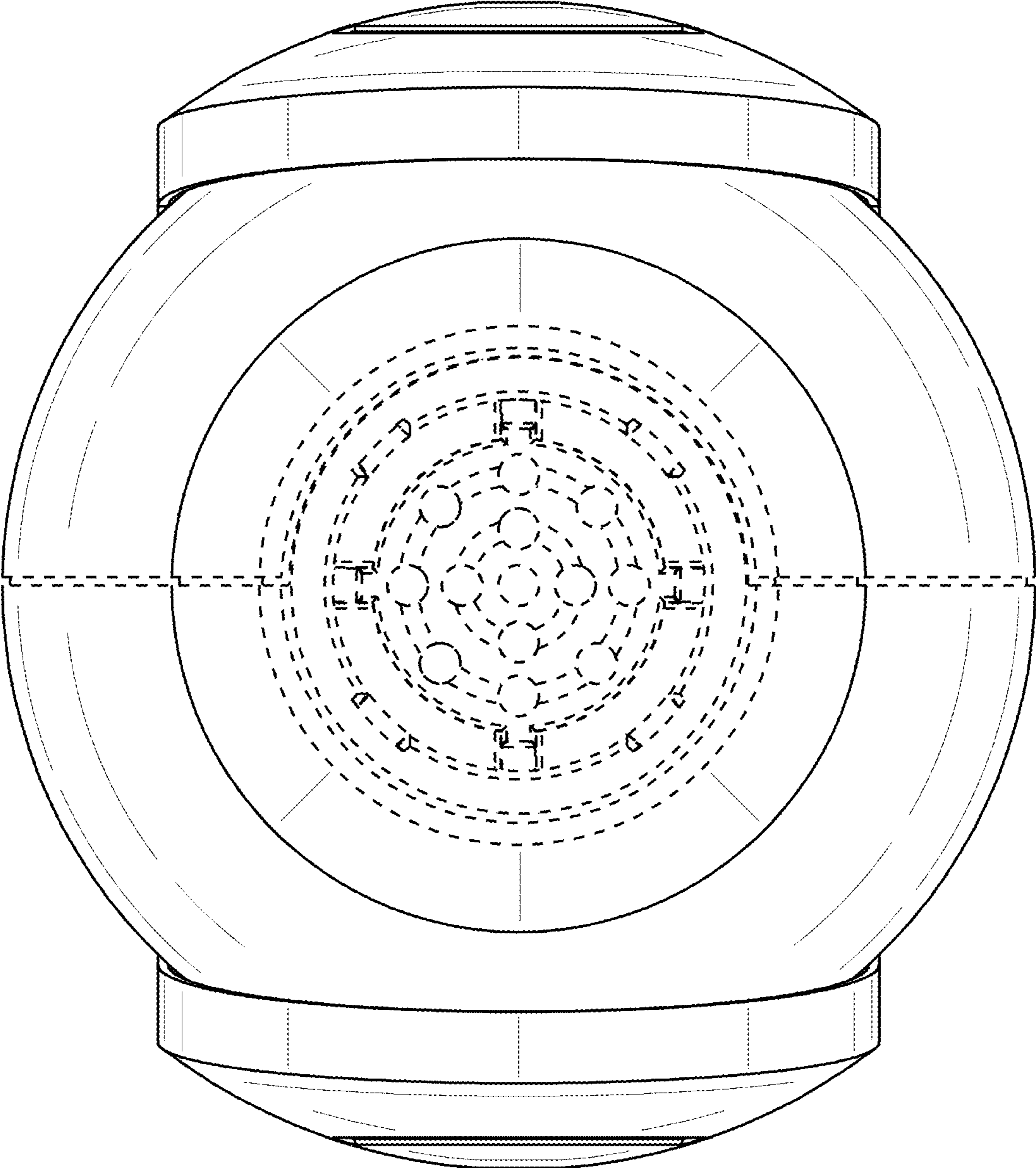


FIG. 7