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

(10) **Patent No.: US D692,332 S**
(45) **Date of Patent: ** Oct. 29, 2013**

(54) **360 DEGREE PASSIVE INFRARED OCCUPANCY SENSOR**

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(73) Assignee: **Whenzhou MTLC Electric Appliances Co. Ltd.**, Tiancheng, Zhejiang (CN)

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

(21) Appl. No.: **29/429,418**

(22) Filed: **Aug. 10, 2012**

(51) **LOC (9) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/70**; D10/106.1

(58) **Field of Classification Search**
USPC ..... D10/65, 70, 75, 78, 97, 104.1, D10/106.1–106.8; D14/138 R, 138 AA, D14/138 AB, 138 AC, 138 AD, 341–347, D14/507–510, 136, 167, 168, 496, 498, 499, D14/500, 125–134, 239, 371, 374–377, 440, D14/450, 448, 336, 342; 343/702; 345/87, 345/104, 133, 156, 168, 173, 901–905, 345/165; 348/180, 184, 315, 739, 836, 838, 348/325; 364/444, 499; 701/408–418, 431, 701/432, 537; 312/7.2; 341/12; 720/605, 720/669, 600, 655; 369/99, 197; 455/344, 455/347, 575.1; 250/221, 338.3, 340, 239, 250/342, 341, DIG. 1, 353; 307/116, 117; 340/521, 527, 541, 567, 540, 568.2, 340/539.23, 635, 687; 315/159; 324/72.5, 324/556, 133, 149, 503, 543, 555, 66, 72, 324/754, 115, 141, 522; 73/615, 624, 627, 73/644, 514.33, 514.34, 510, 513, 527, 73/530; 356/3.01–5.15; 235/105; 377/5, 377/24.2, 26; 702/155, 160, 176, 78, 79, 702/82, 91–95, 104, 116, 141, 150, 151, 702/154, 127, 131, 182, 183, 189; 600/437, 600/443, 453, 459, 465, 479, 500, 502, 595, 600/485, 481, 483
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D360,842	S	*	8/1995	Hu	D10/106.6
D561,630	S	*	2/2008	Bandringa et al.	D10/106.6

(Continued)

Primary Examiner — Antoine D Davis
(74) *Attorney, Agent, or Firm* — Ziegler IP Law Group, LLC.

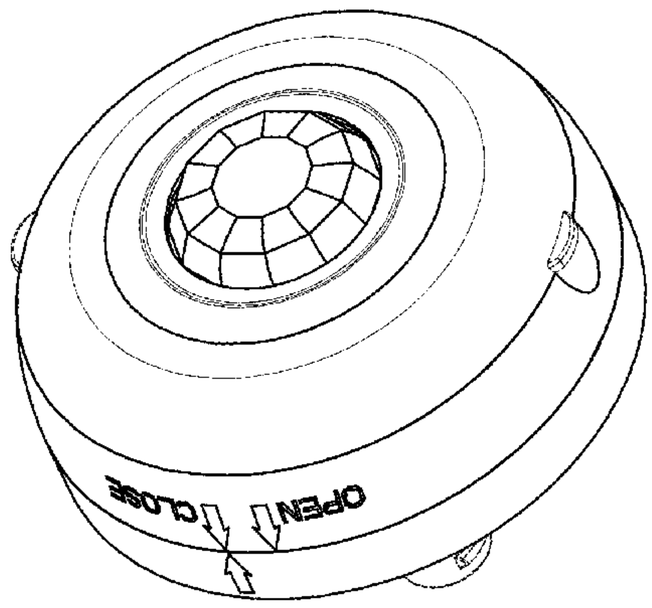
(57) **CLAIM**

The ornamental design for a distance measuring device for golf, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of one embodiment of the sensor showing the new design.
FIG. **2** is a front view of the embodiment shown in FIG. **1**.
FIG. **3** is a side view of the embodiment shown in FIG. **1**, both side views being substantially the same.
FIG. **4** is a top view of the embodiment shown in FIG. **1**.
FIG. **5** is a back view of the embodiment shown in FIG. **1**.
FIG. **6** is a perspective view of another embodiment of the sensor showing the new design.
FIG. **7** is a front view of the embodiment shown in FIG. **6**.
FIG. **8** is a side view of the embodiment shown in FIG. **6**, both side views being substantially the same.
FIG. **9** is a top view of the embodiment shown in FIG. **6**.
FIG. **10** is a back view of the embodiment shown in FIG. **6**.
FIG. **11** is a perspective view of another embodiment of the sensor showing the new design.
FIG. **12** is a front view of the embodiment shown in FIG. **11**.
FIG. **13** is a side view of the embodiment shown in FIG. **11**, both side views being substantially the same.
FIG. **14** is a top view of the embodiment shown in FIG. **11**.
FIG. **15** is a back view of the embodiment shown in FIG. **11**.
FIG. **16** is a perspective view of another embodiment of the sensor showing the new design.
FIG. **17** is a front view of the embodiment shown in FIG. **16**.
FIG. **18** is a top view of the embodiment shown in FIG. **16**.
FIG. **19** is a side view of the embodiment shown in FIG. **16**., both side views being substantially the same; and,
FIG. **20** is a back view of the embodiment shown in FIG. **16**.
The broken lines are for the purpose of illustrating portions of the environment and form no part of the claimed design.

1 Claim, 20 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D573,053	S	*	7/2008	Bandringa et al.	D10/106.6
D588,484	S	*	3/2009	Bandringa et al.	D10/106.6
D597,430	S	*	8/2009	Sloan et al.	D10/106.6
D602,388	S	*	10/2009	Killo et al.	D10/106.1
D603,284	S	*	11/2009	Sloan et al.	D10/106.6
D657,275	S	*	4/2012	Cowles et al.	D10/70
D668,164	S	*	10/2012	Cowles et al.	D10/70

* cited by examiner

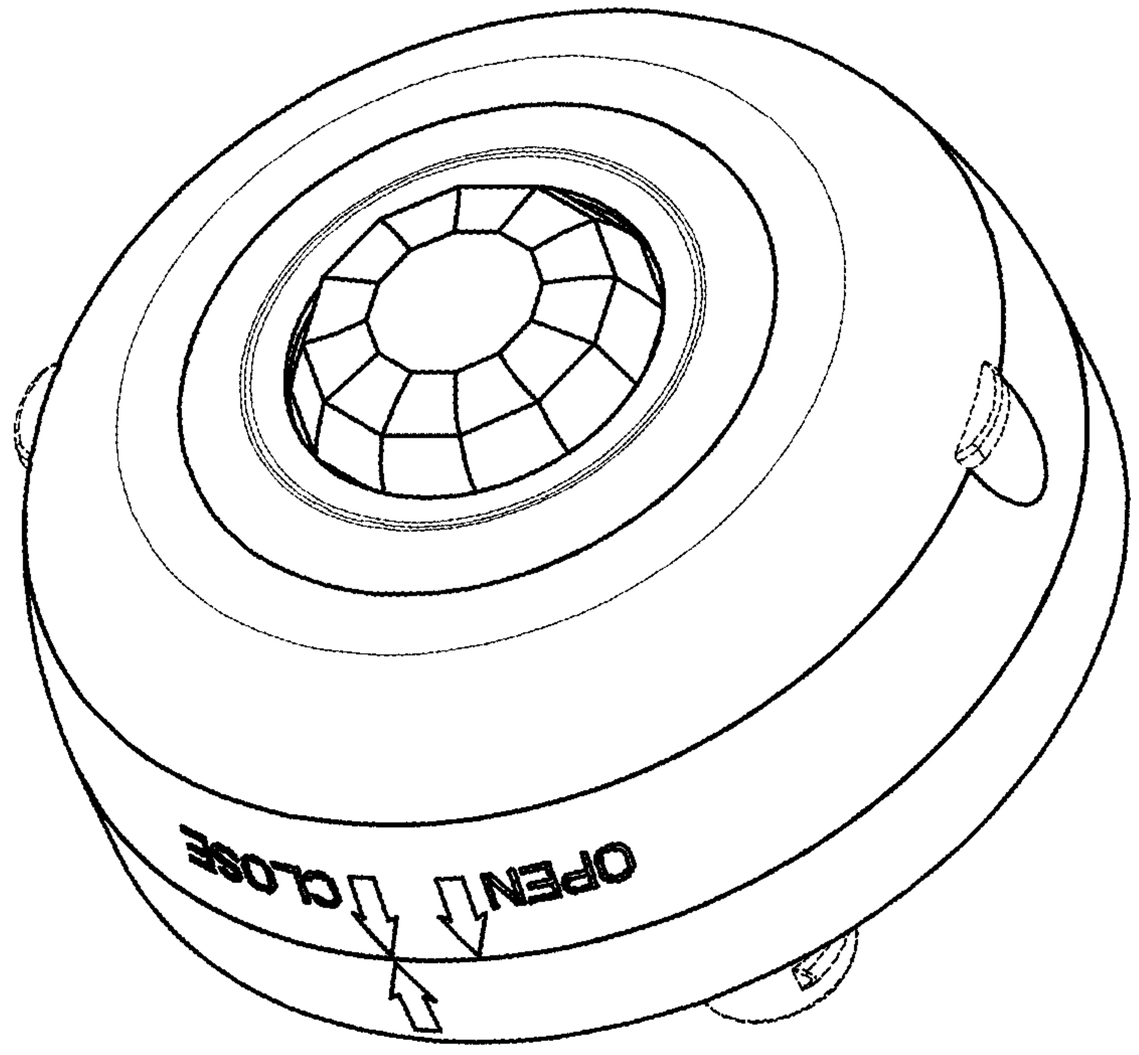
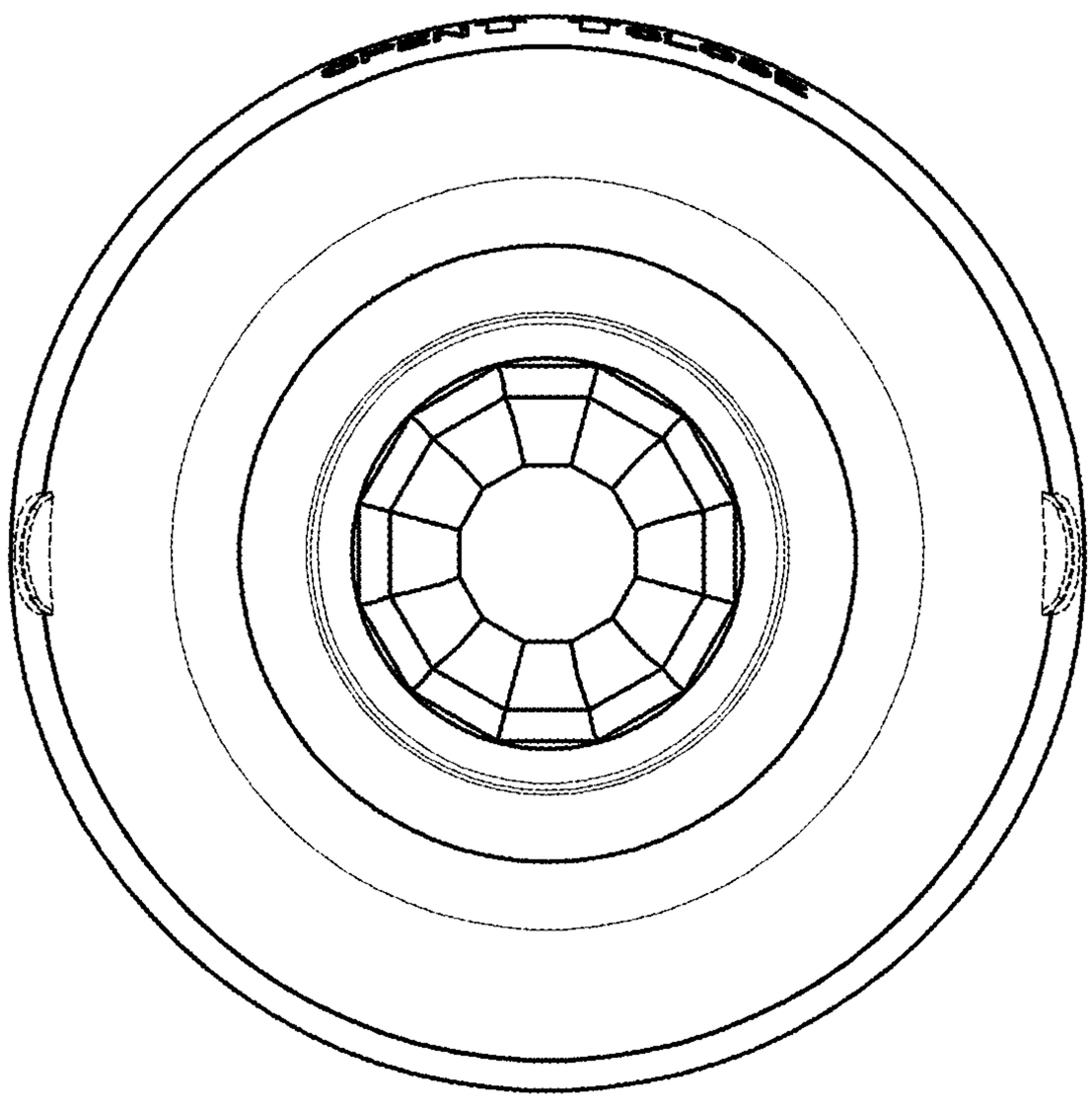


Figure 1



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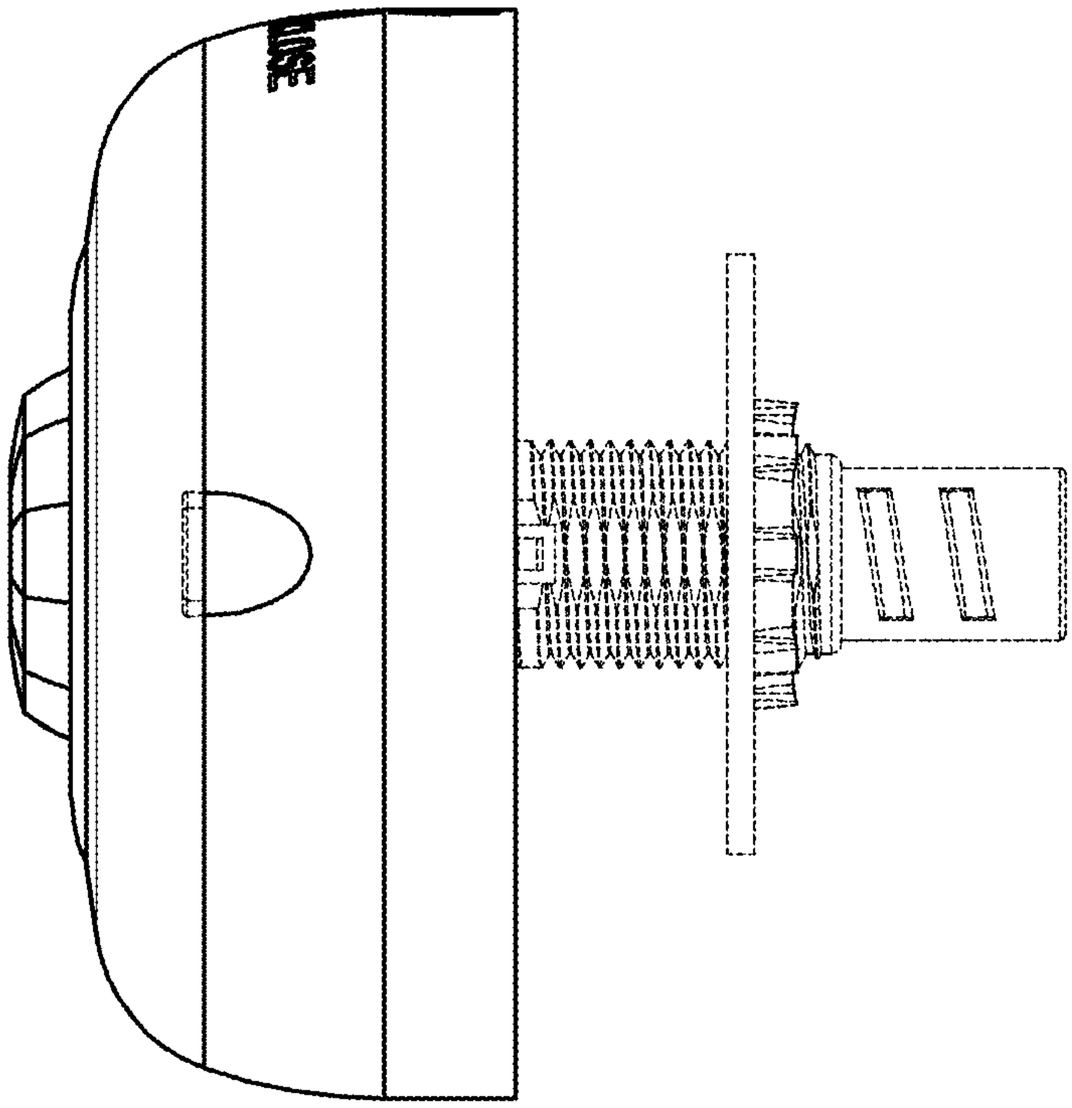
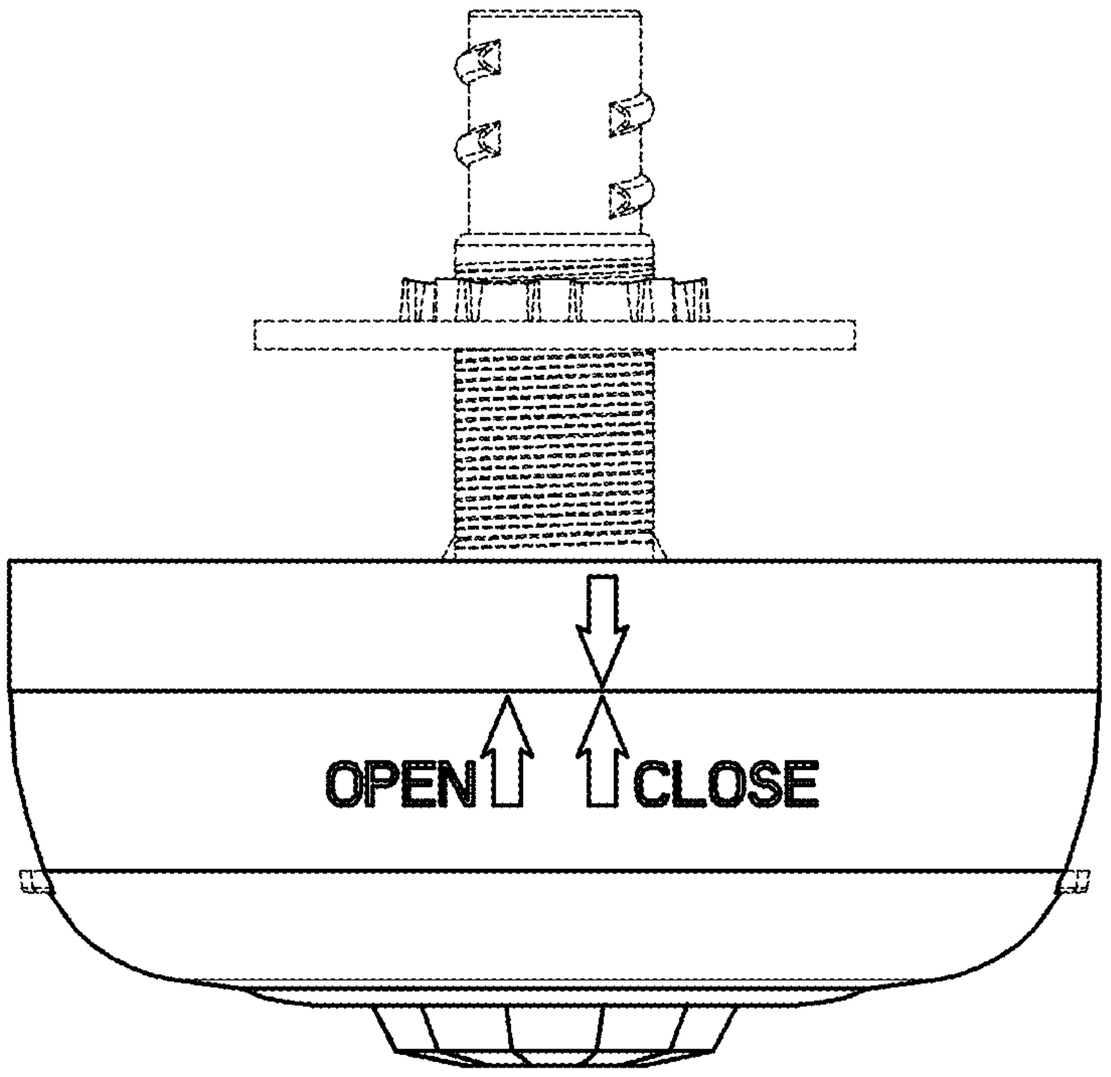


Figure 3



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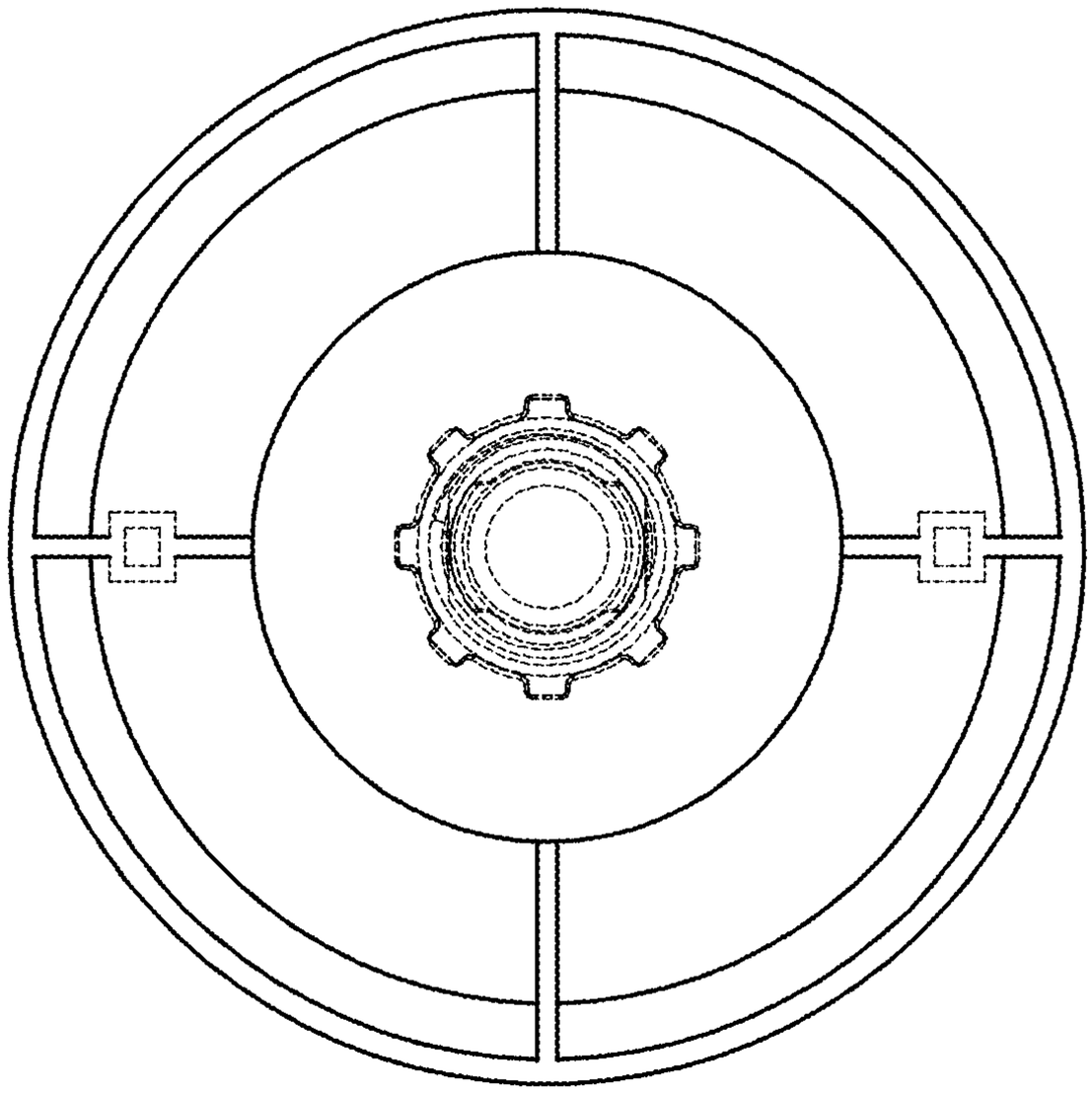


Figure 5

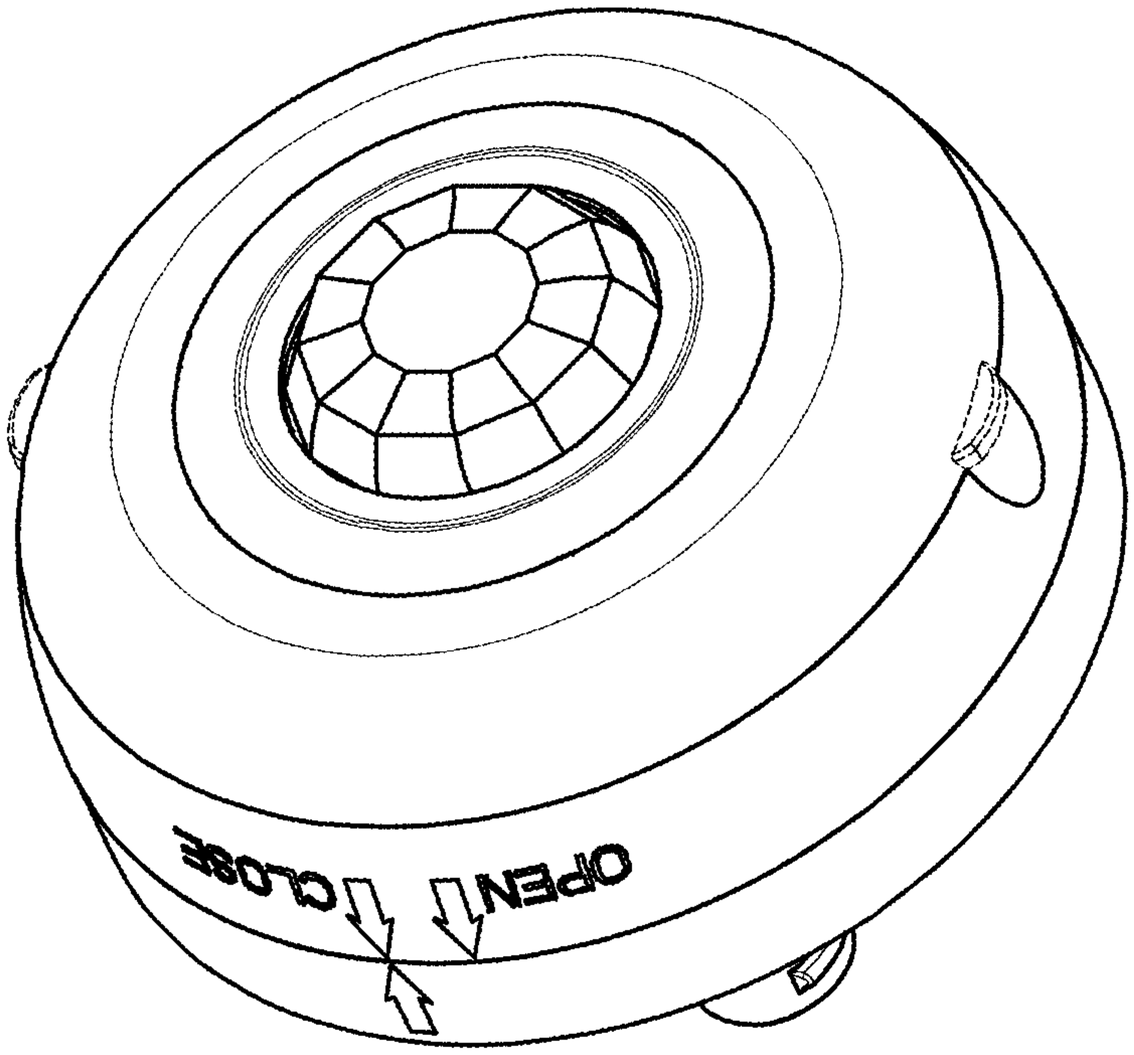
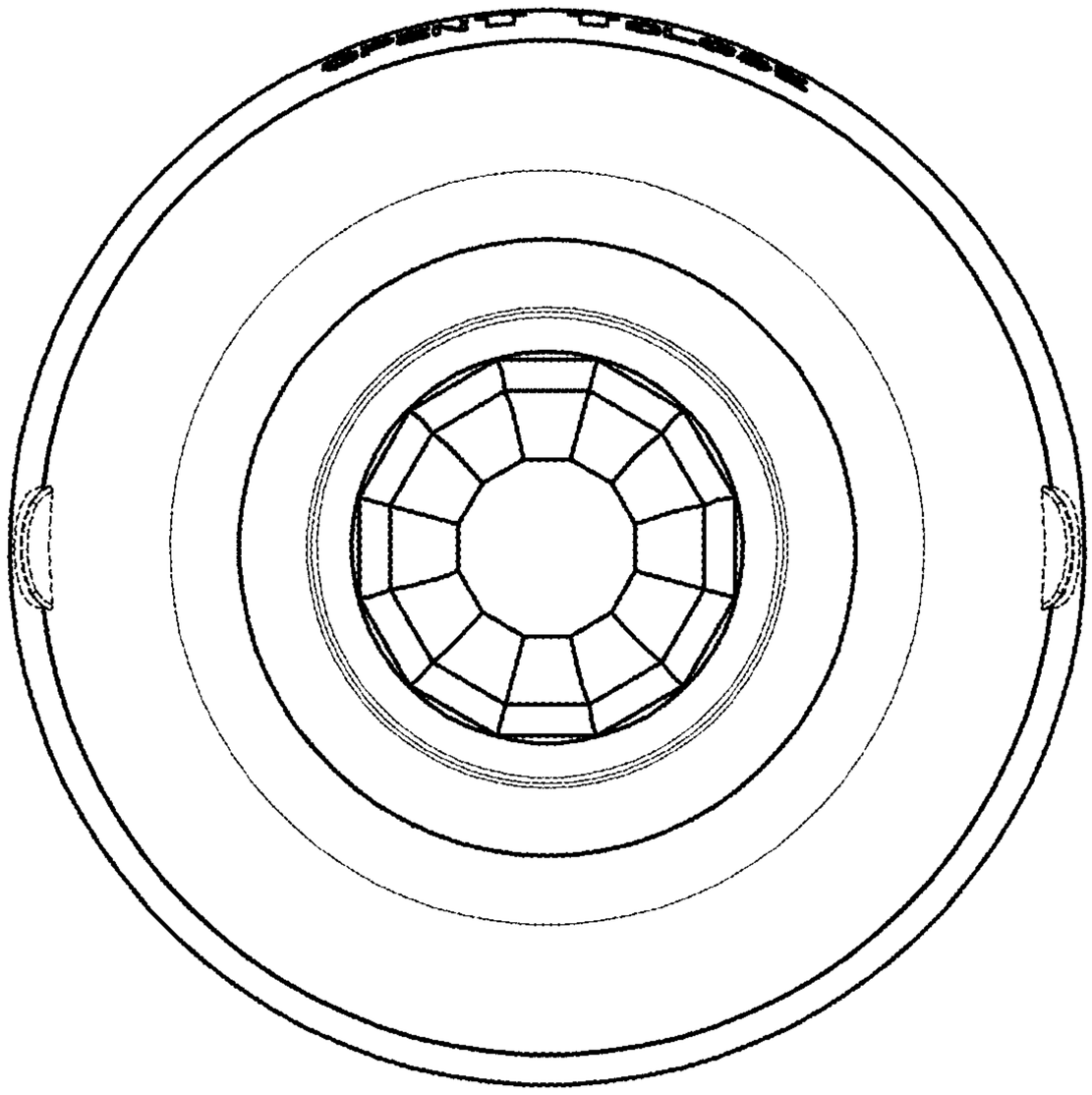


Figure 6



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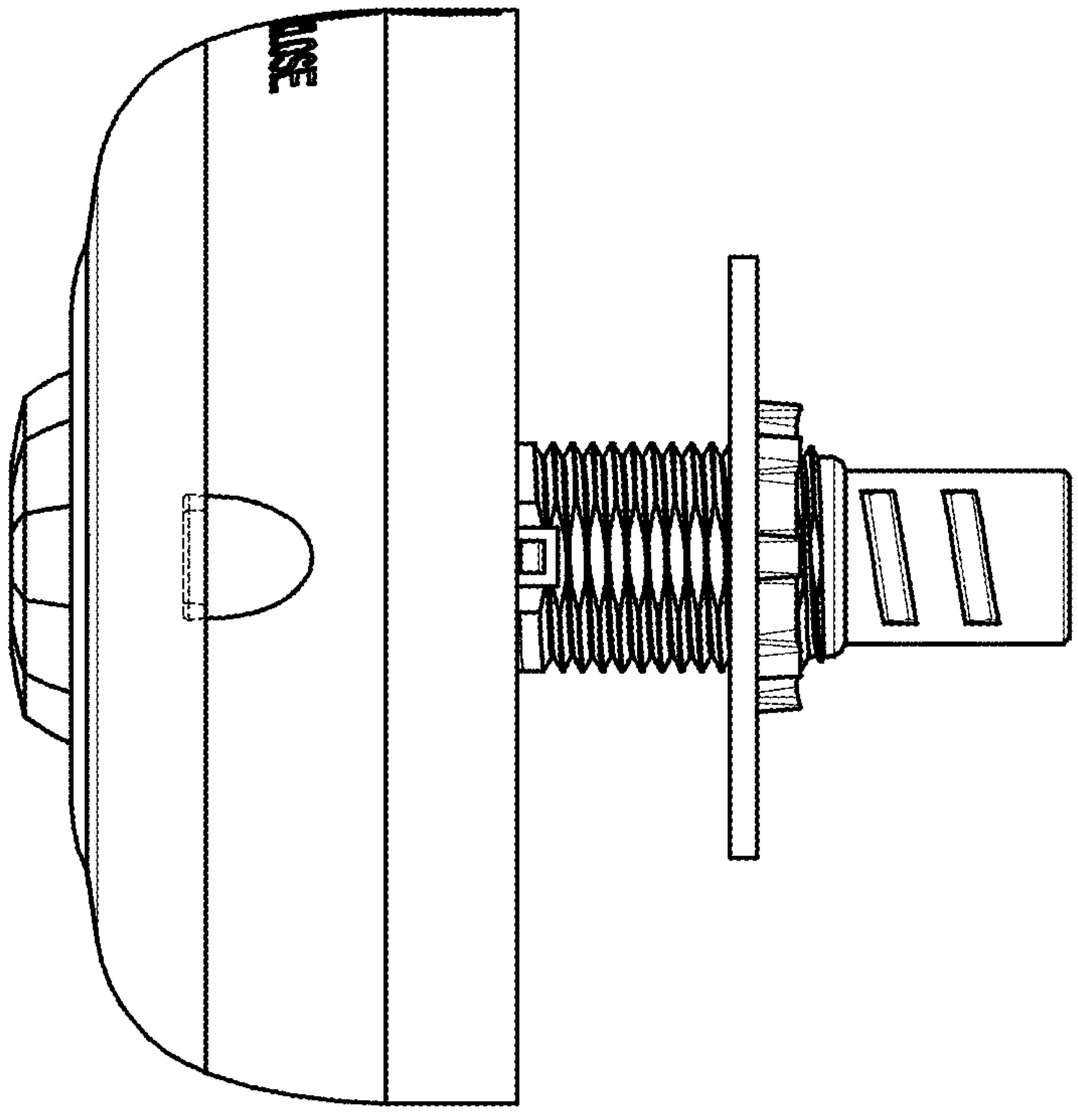

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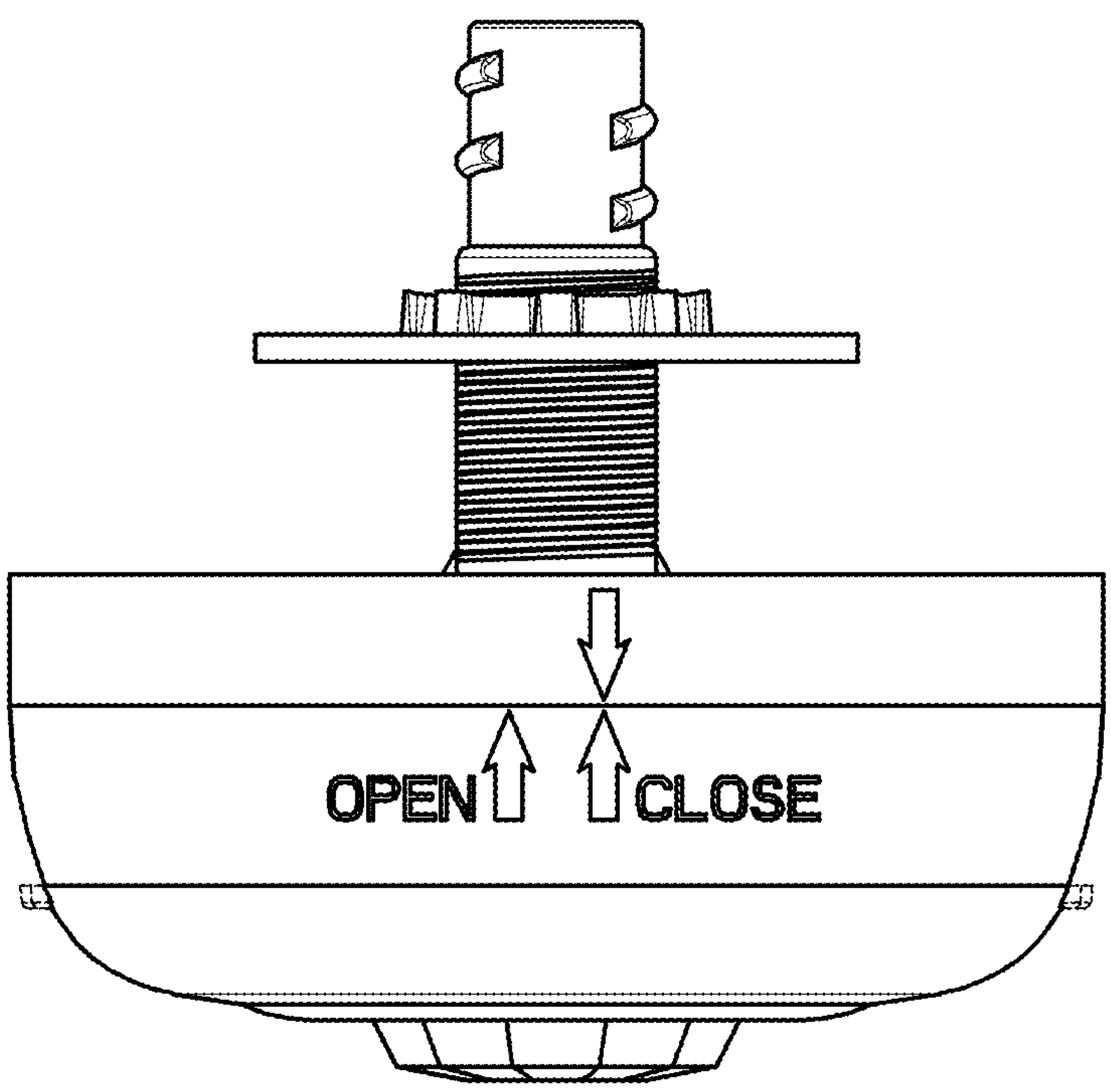

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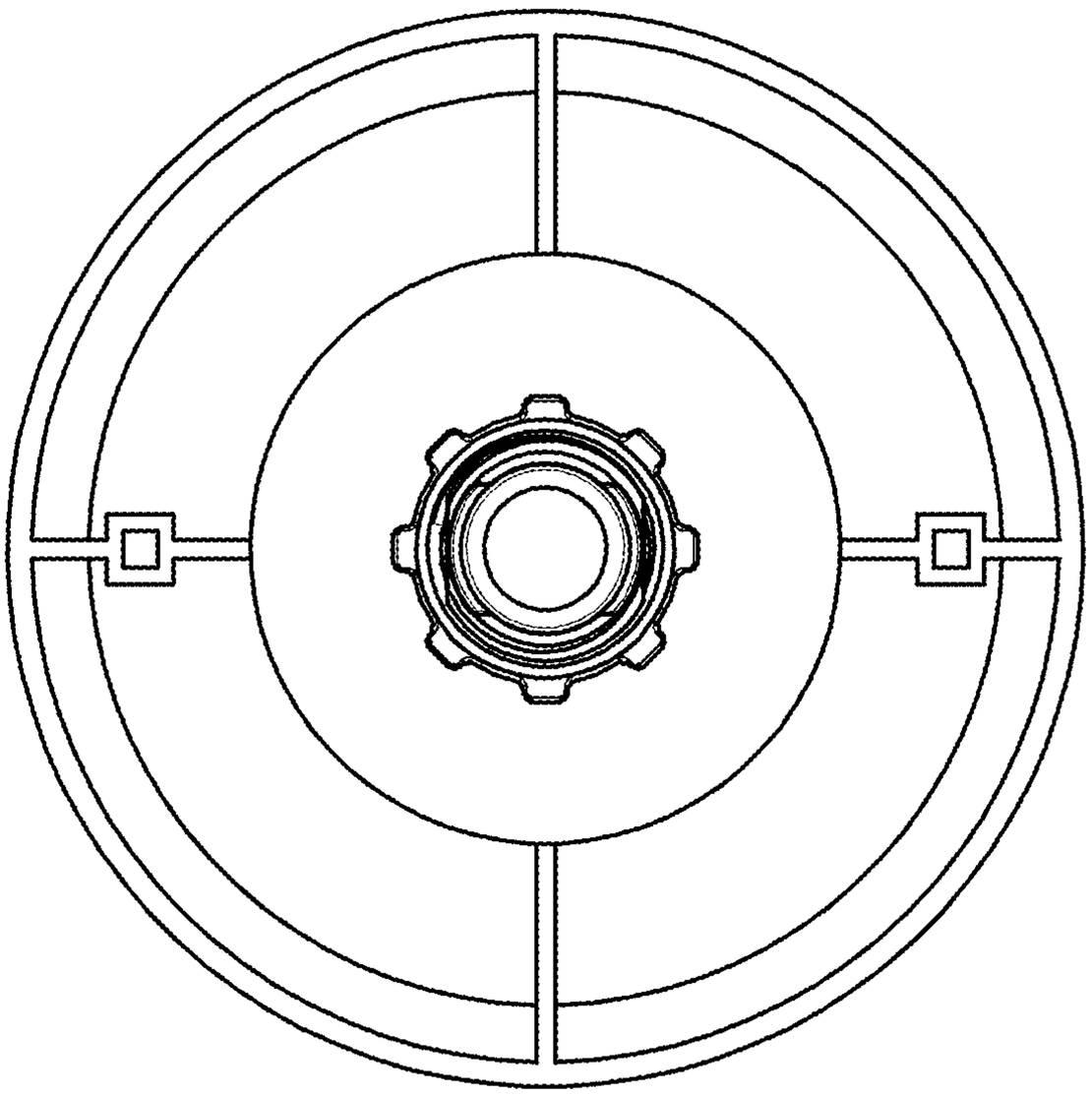

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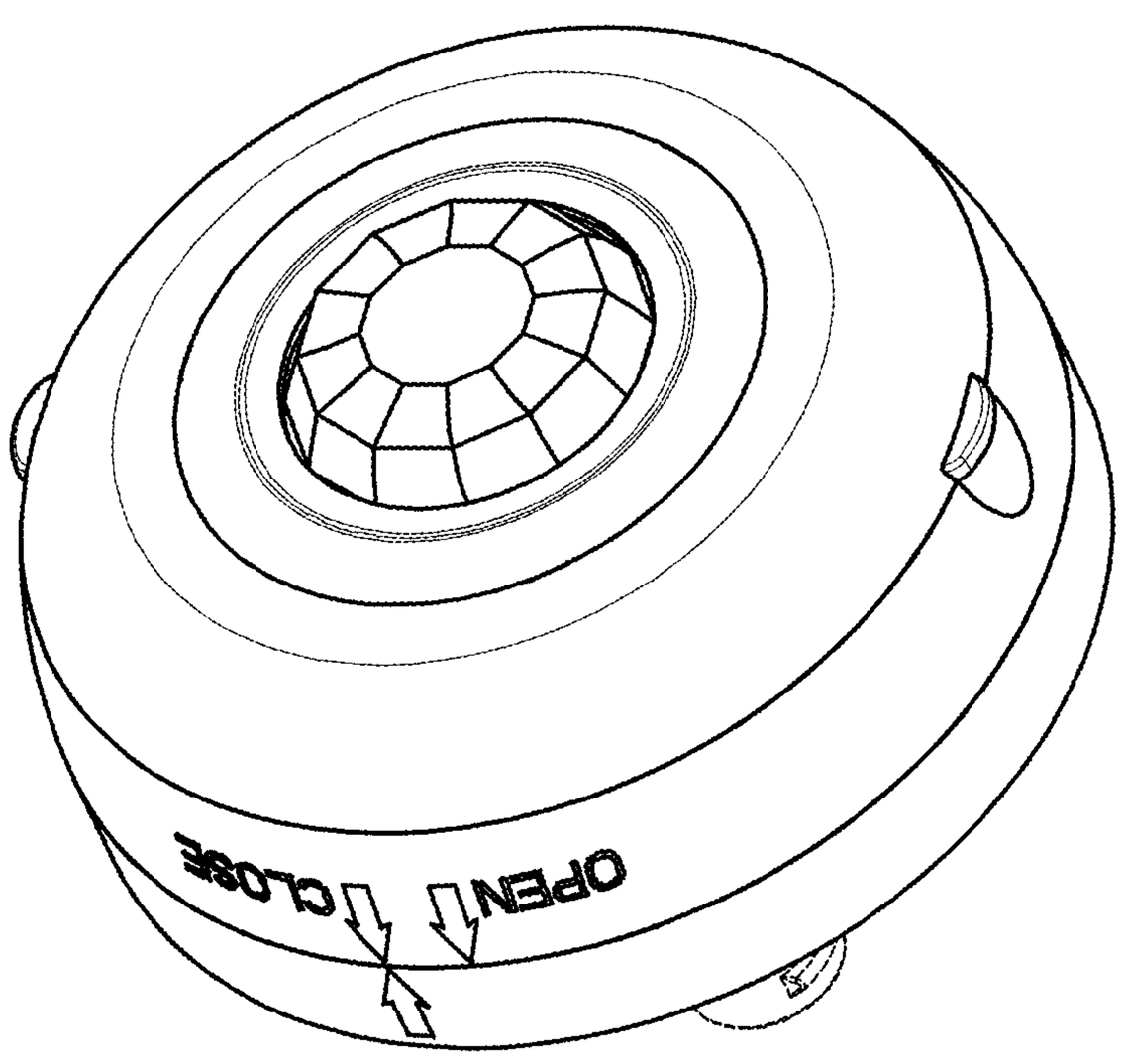

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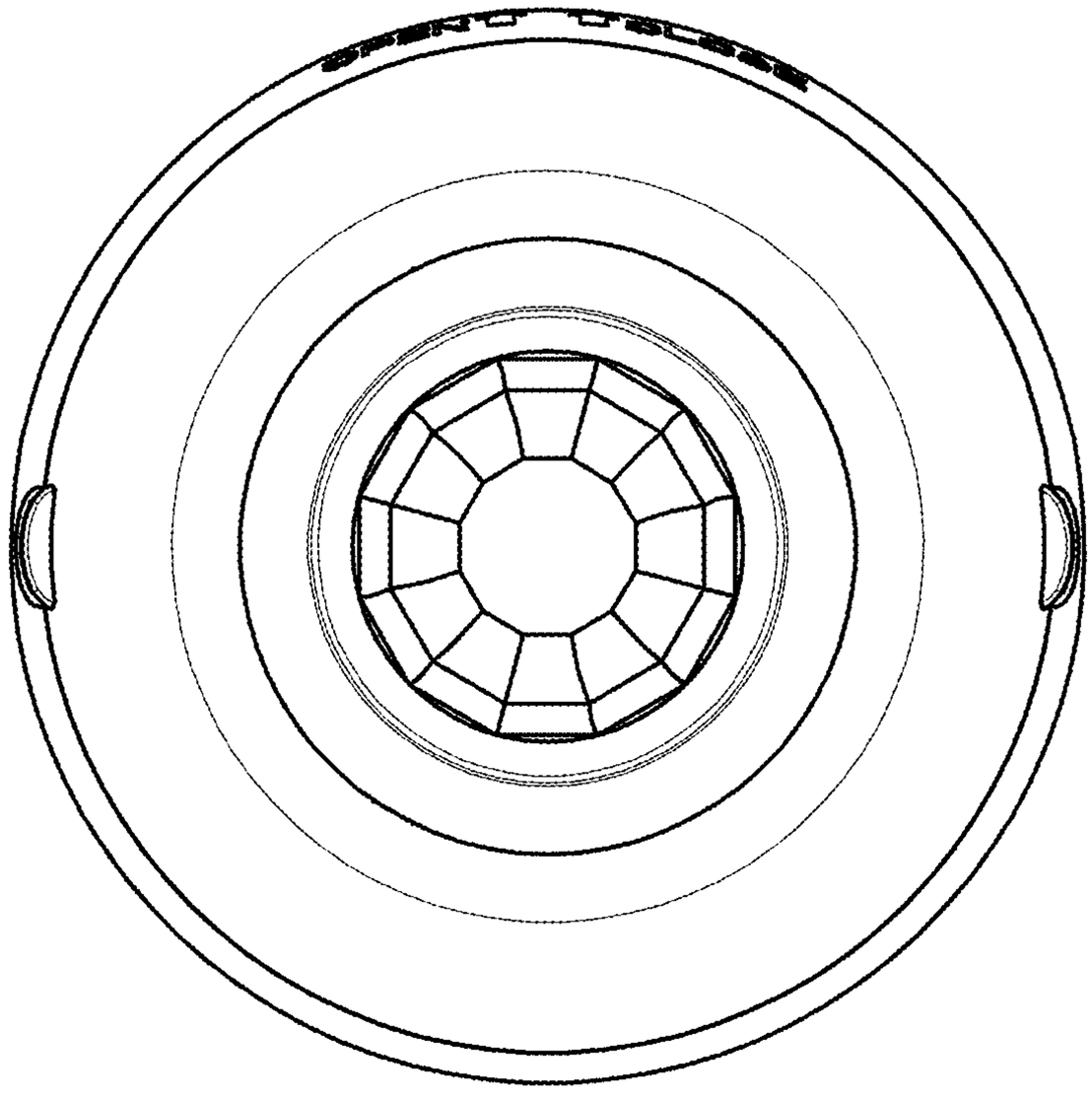


Figure 12

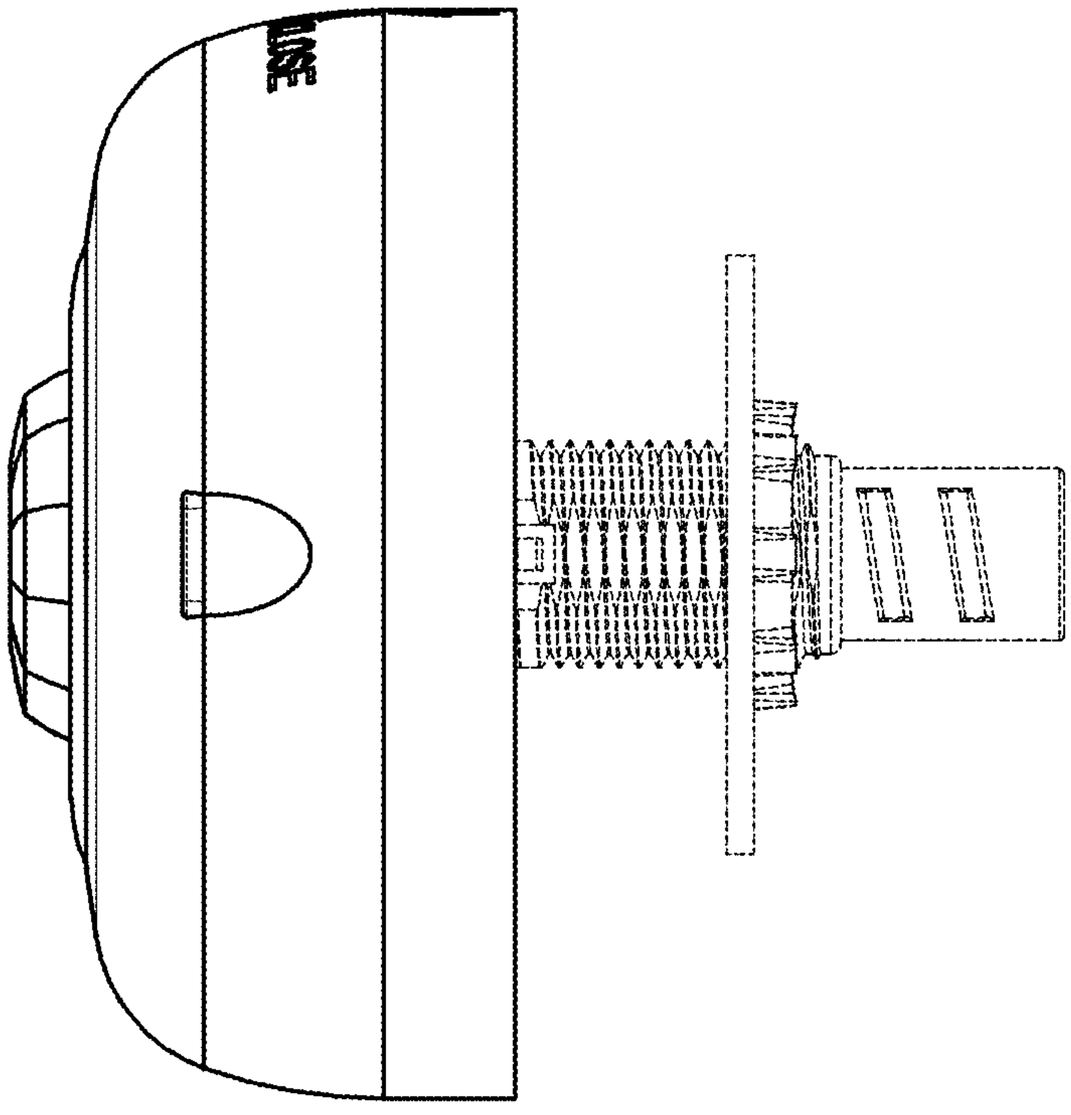
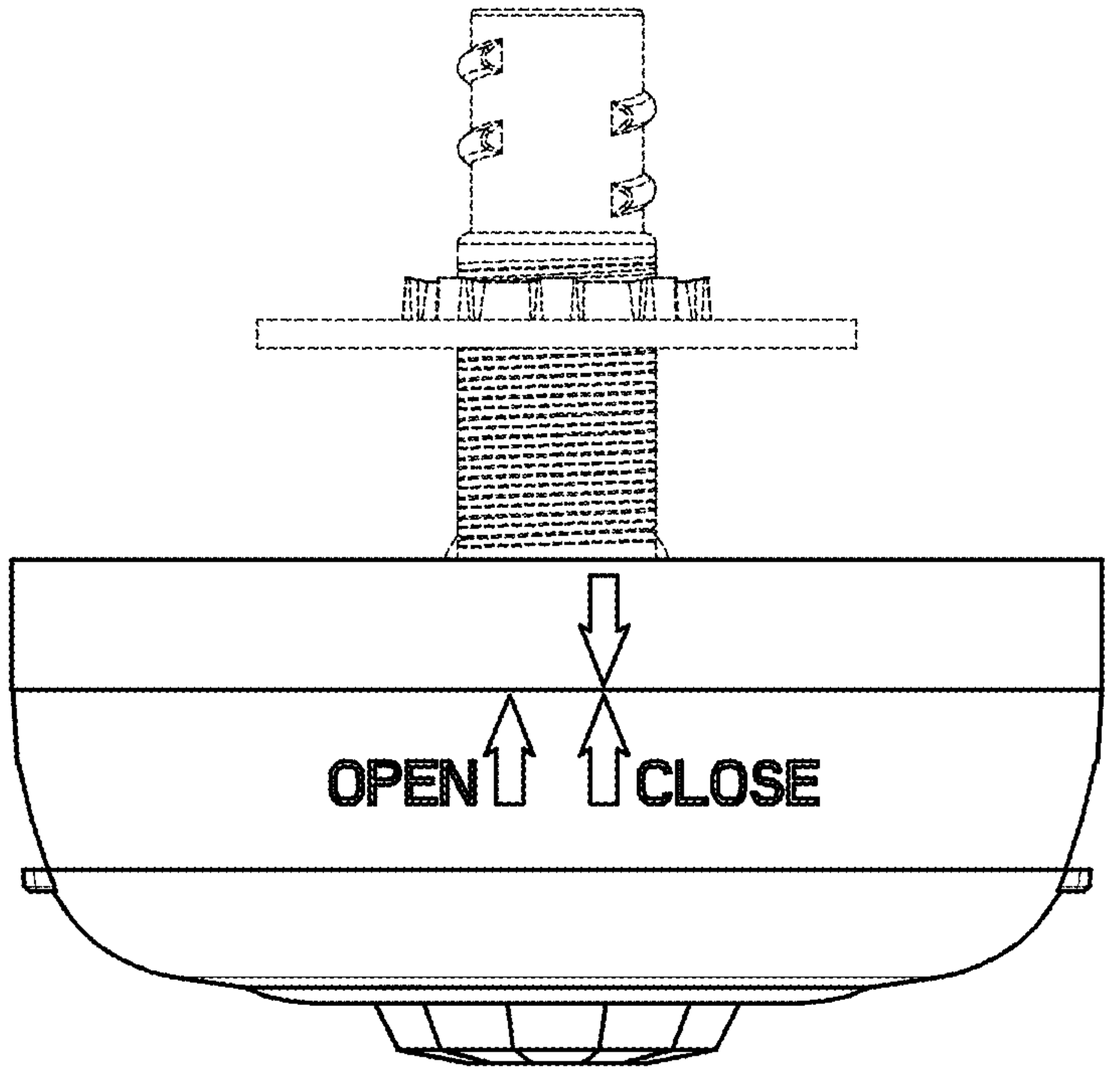


Figure 13



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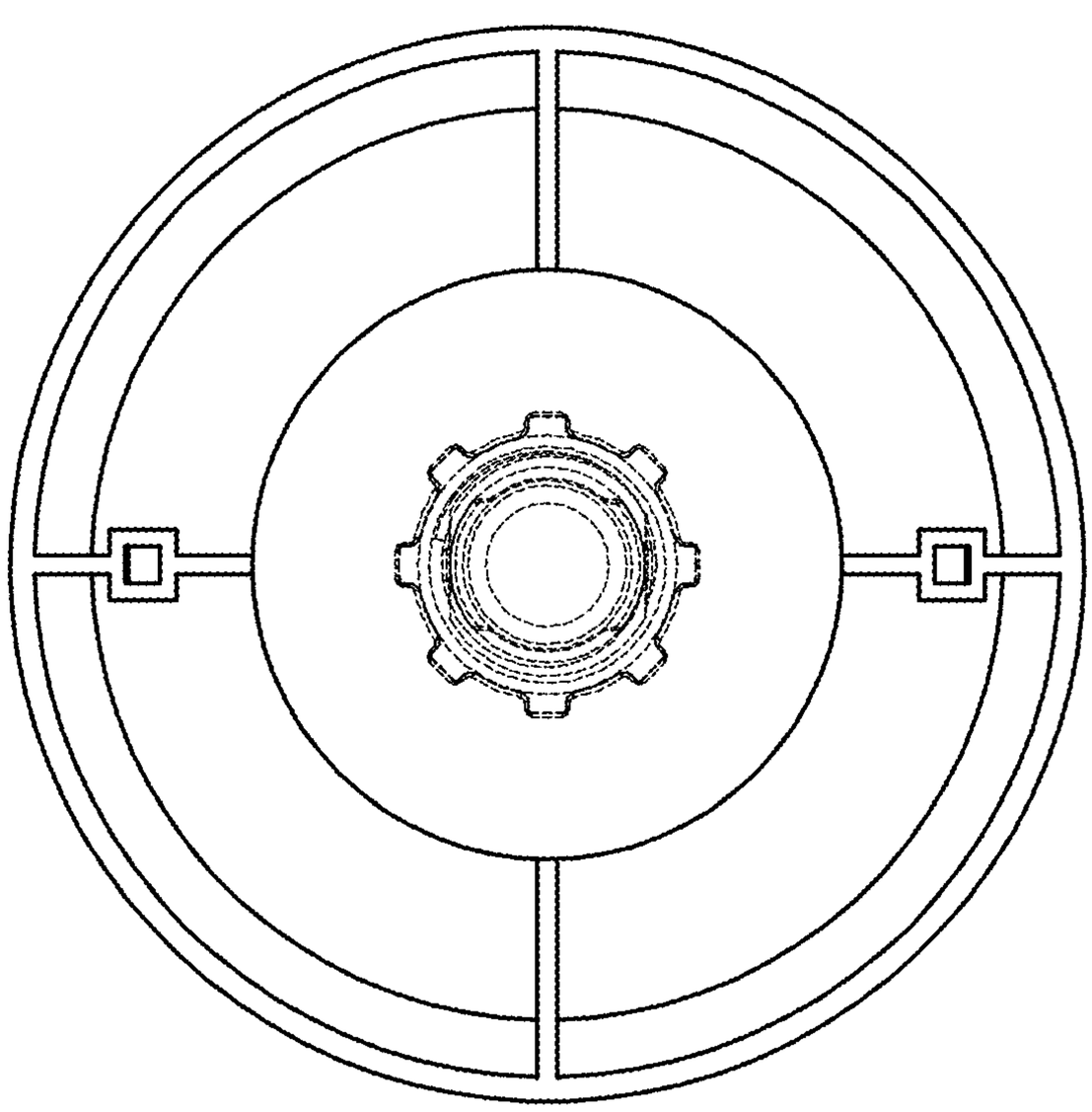


Figure 15

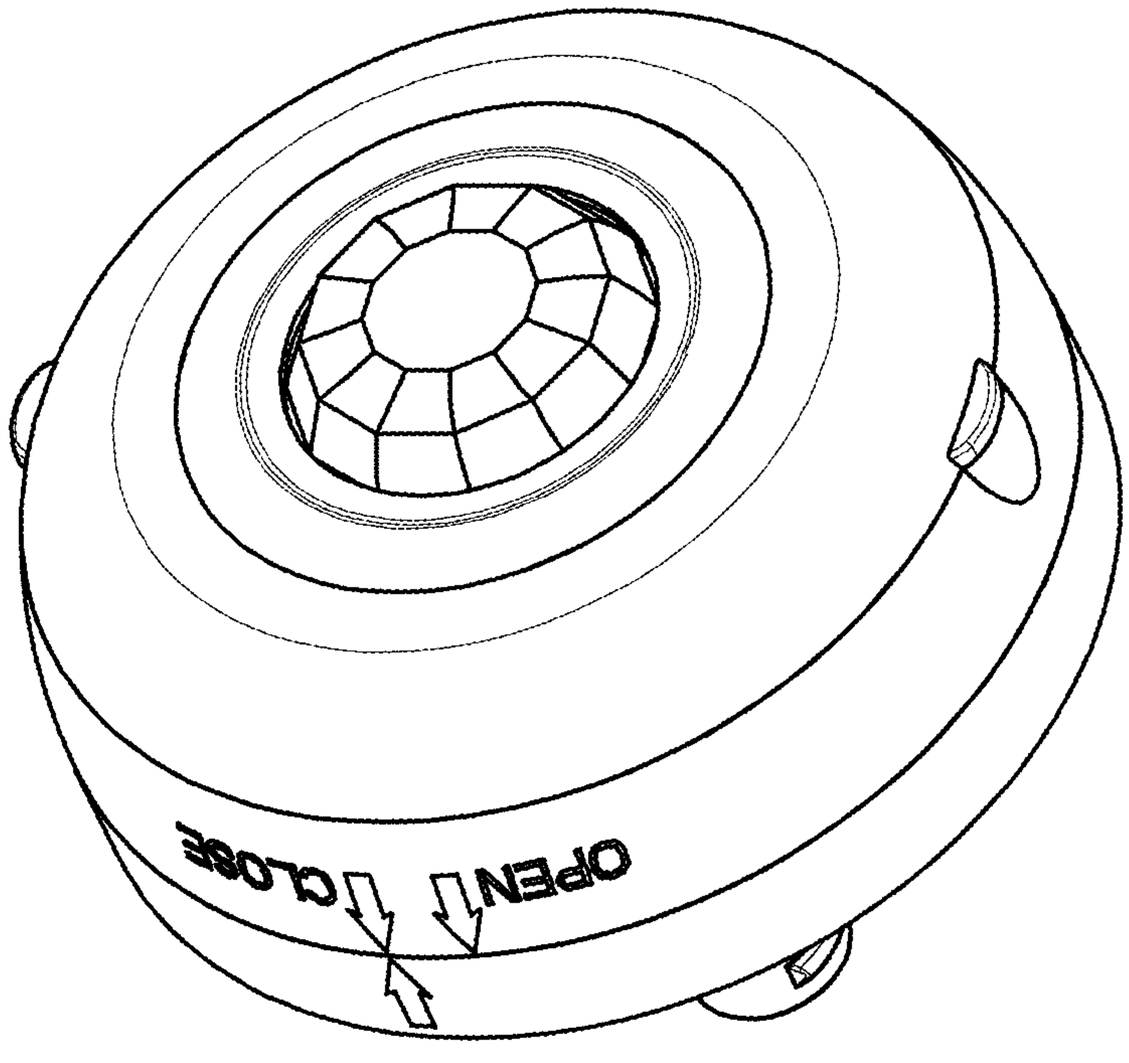


Figure 16

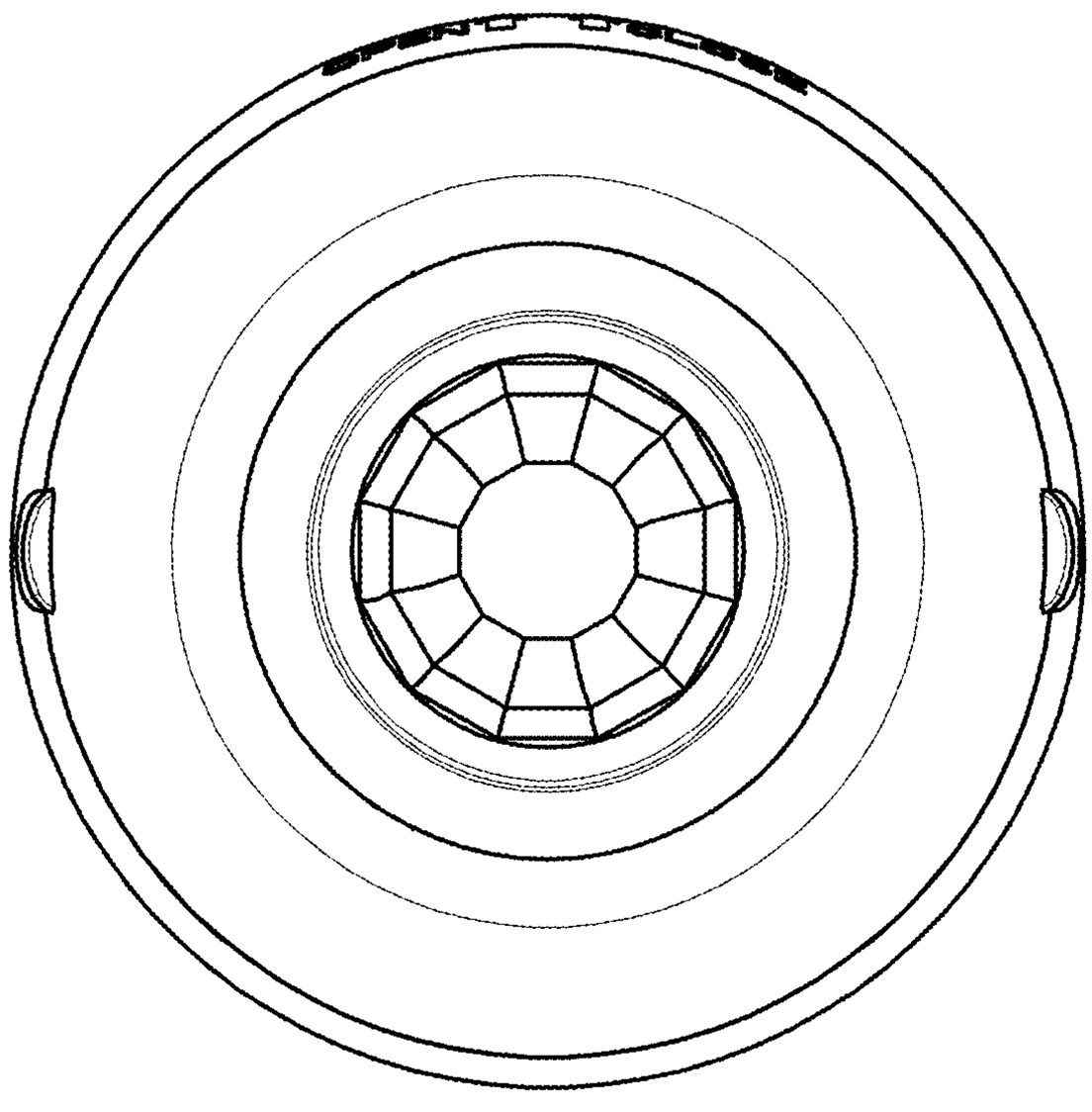
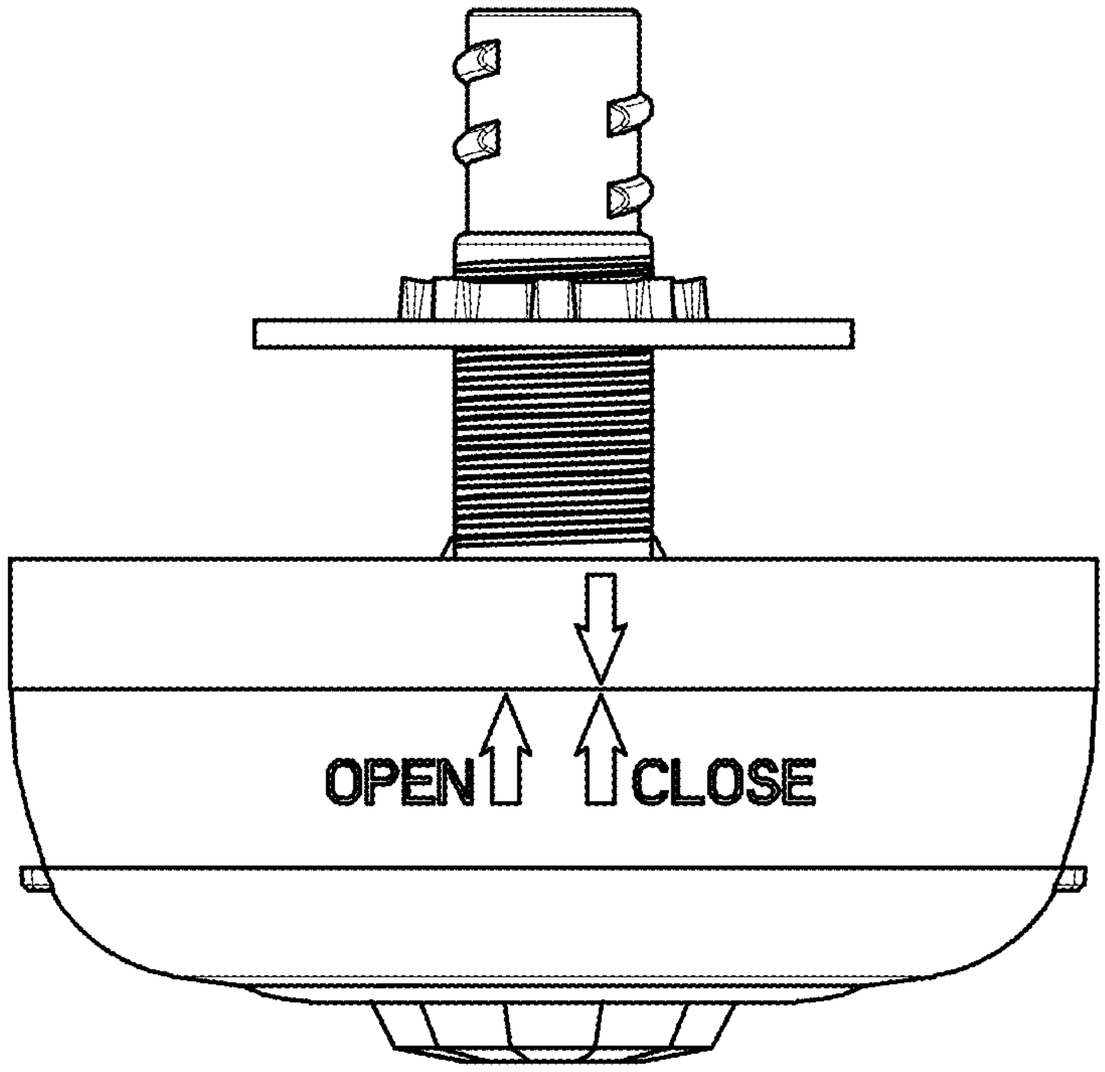


Figure 17



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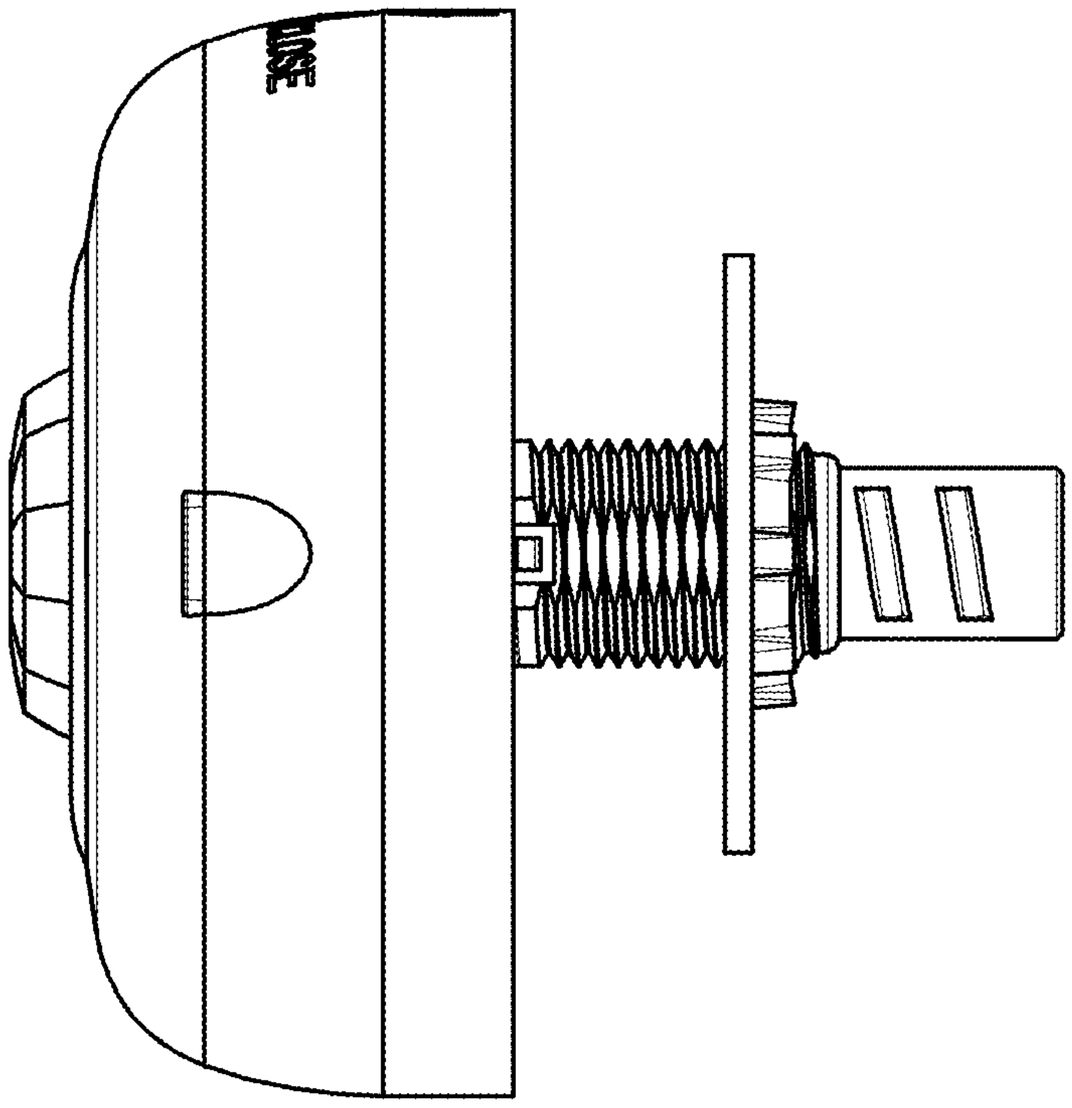

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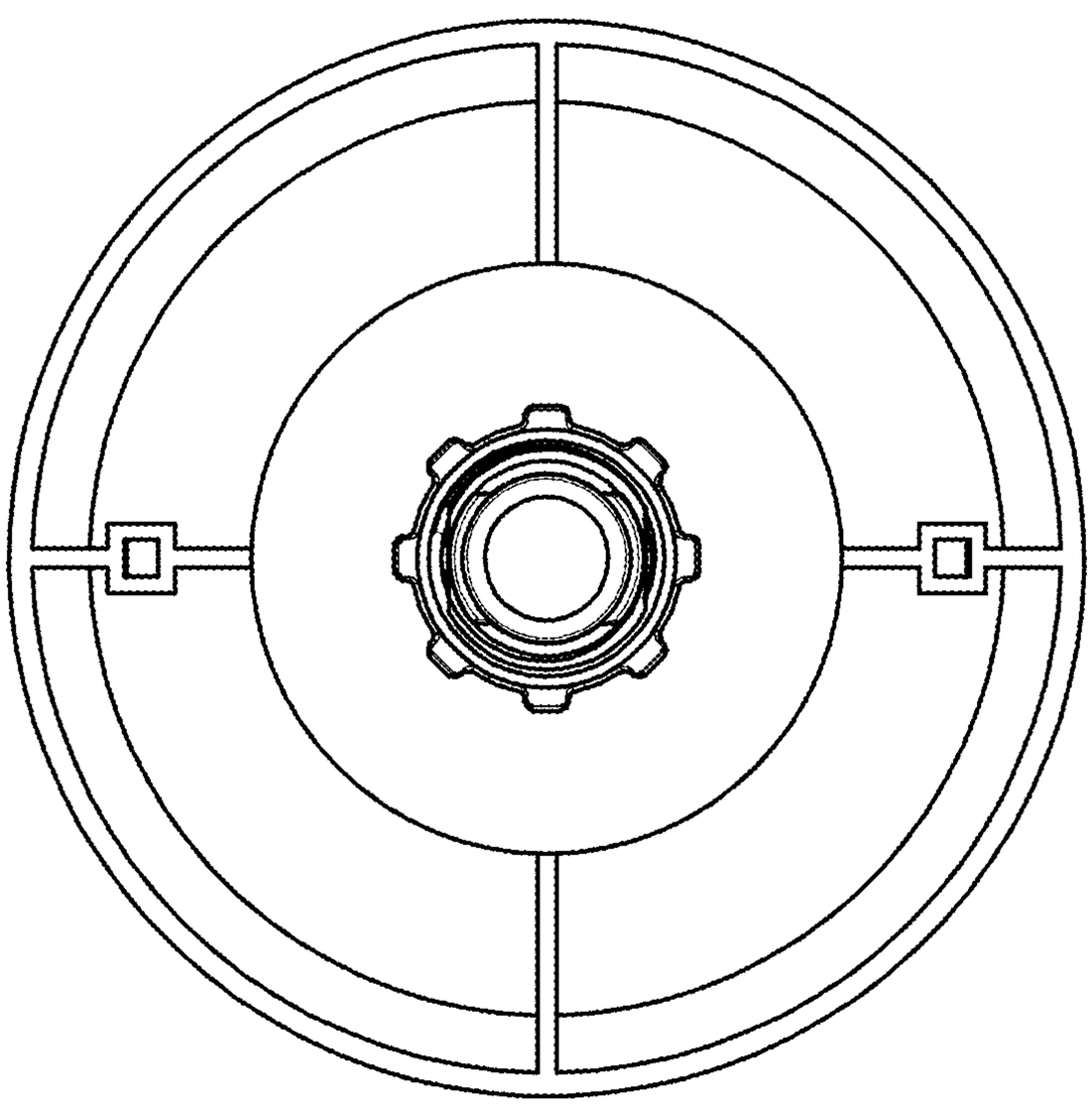

Figure 20