

(12)

United States Design Patent

Makechnie

(10)

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(54) OCCUPANCY SENSOR

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(\*\*) Term: 15 Years

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(52) U.S. Cl. D10/106.6

(58) Field of Classification Search

USPC ... D10/75, 104.1, 106.1–106.95, 116.1, 118, D10/118.2

CPC . F24F 2120/10; G08B 13/00; G08B 21/0415; G08B 21/0469; G01J 5/0022; G01J 5/0025; H05B 47/115

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

|            |   |         |                  |           |
|------------|---|---------|------------------|-----------|
| D297,222 S | * | 8/1988  | Rauch            | D10/106.5 |
| D422,521 S | * | 4/2000  | Morrow           | D10/106.5 |
| D561,630 S |   | 2/2008  | Bandringa et al. |           |
| D588,484 S |   | 3/2009  | Bandringa et al. |           |
| D597,430 S |   | 8/2009  | Sloan et al.     |           |
| D603,284 S |   | 11/2009 | Sloan et al.     |           |
| D657,275 S |   | 4/2012  | Cowles et al.    |           |
| D668,164 S |   | 10/2012 | Cowles et al.    |           |
| D679,309 S | * | 4/2013  | Park             | D16/218   |
| D692,332 S |   | 10/2013 | Ni et al.        |           |
| D719,994 S | * | 12/2014 | Wang             | D16/203   |
| D751,937 S | * | 3/2016  | Treadwell        | D10/106.6 |
| D928,004 S | * | 8/2021  | Nguyen           | D10/104.1 |
| D975,567 S | * | 1/2023  | He               | D10/106.5 |
| D975,661 S | * | 1/2023  | Chen             | D13/168   |

|                 |   |         |         |                   |
|-----------------|---|---------|---------|-------------------|
| D1,018,330 S    | * | 3/2024  | Altonen | D10/70            |
| D1,021,661 S    | * | 4/2024  | Boretti | D10/70            |
| 2023/0314190 A1 | * | 10/2023 | Boretti | H05K 5/061 73/430 |

FOREIGN PATENT DOCUMENTS

|    |              |   |        |
|----|--------------|---|--------|
| EM | 015026205    | * | 6/2023 |
| WO | D221617-0001 |   | 7/2022 |

OTHER PUBLICATIONS

EcoStuxure Building-IoT Sensor Solution, publish date unknown, retrieved from internet (Dec. 20, 2024). <URL: <https://www.se.com/au/en/product/EBIOTPCWR/room-occupancy-sensor-ecostruxure-buildingiot-sensor-solution-wireless/>> (Year: 2024).\*

\* cited by examiner

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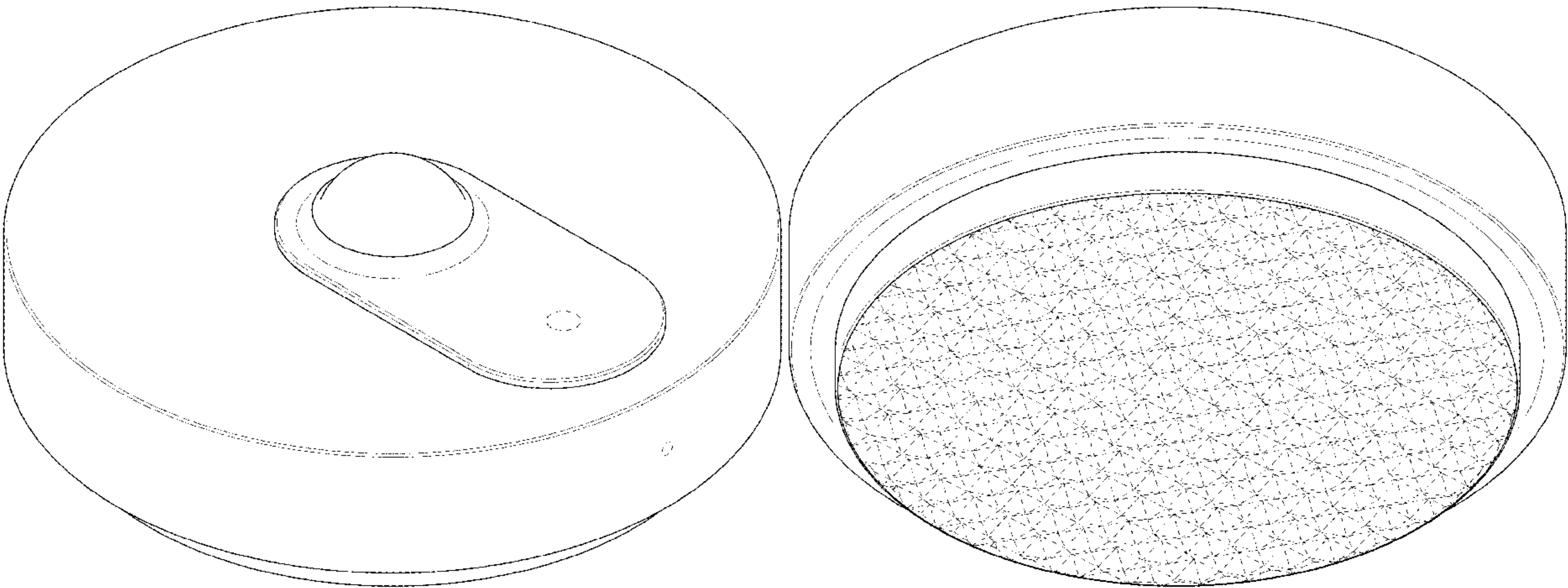
(57) CLAIM

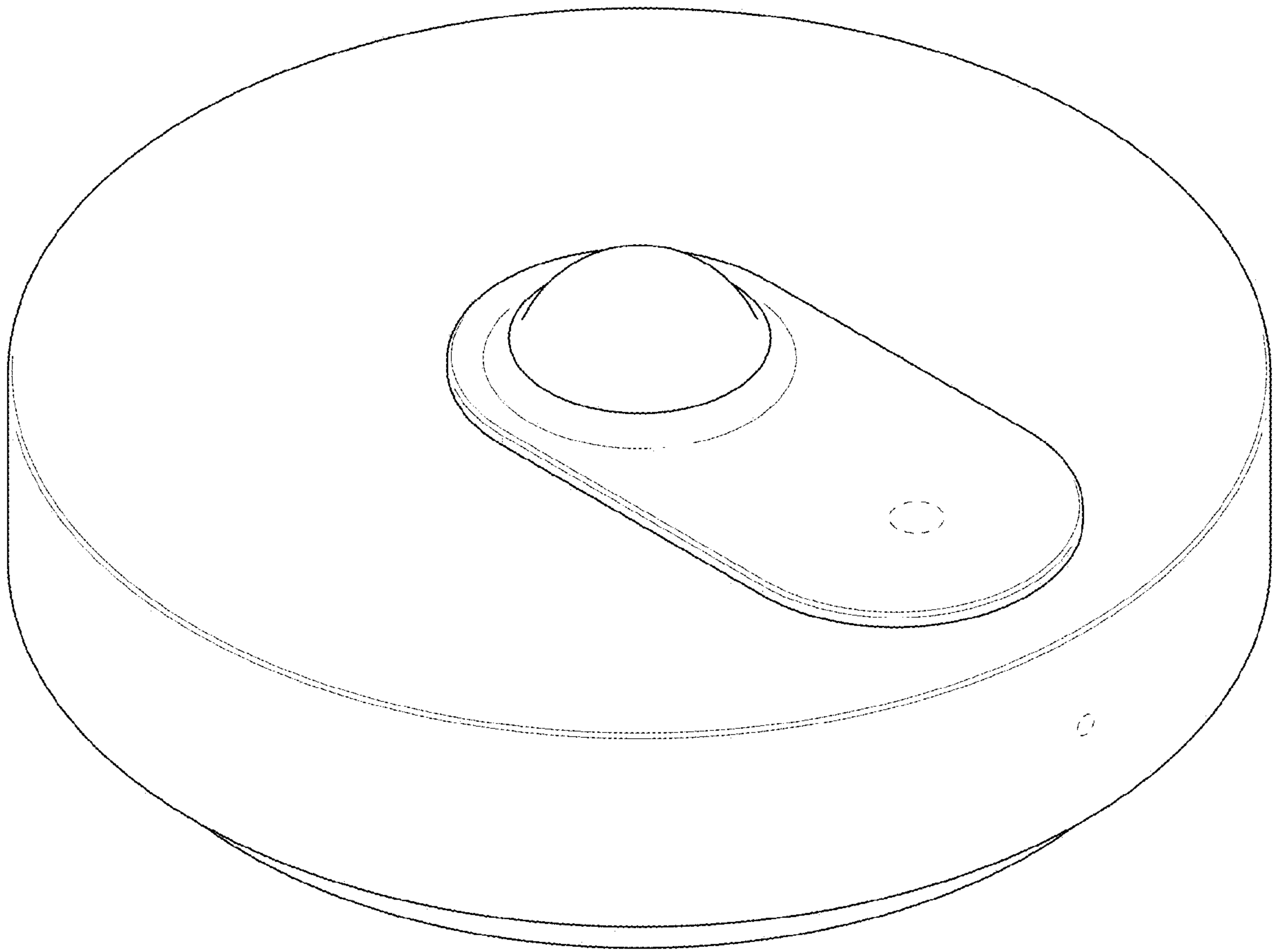
The ornamental design for an occupancy sensor, as shown and described.

DESCRIPTION

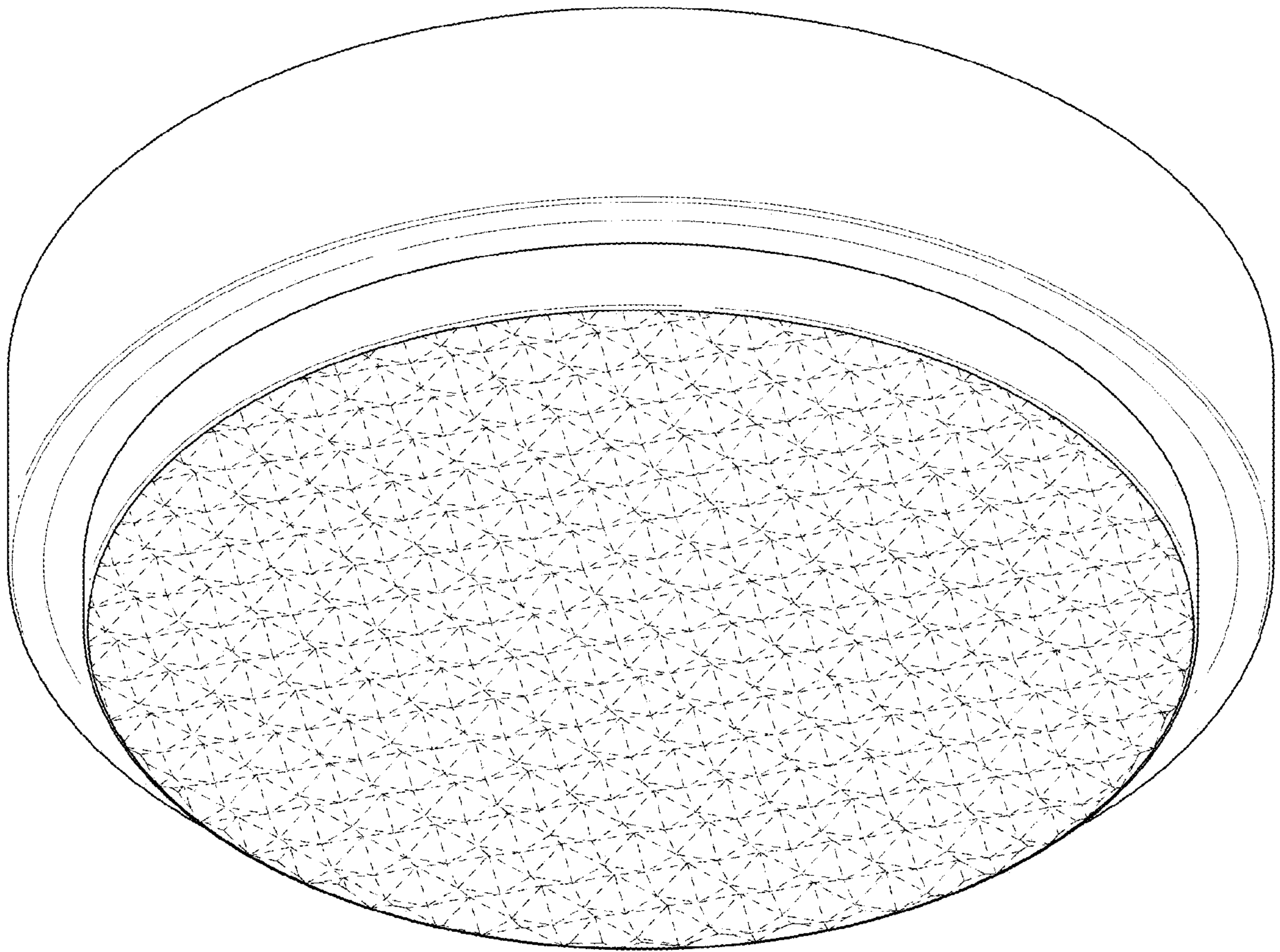
FIG. 1 is a front-top perspective view of an occupancy sensor.  
FIG. 2 is a back-bottom perspective view of an occupancy sensor.  
FIG. 3 is a front-side view of an occupancy sensor.  
FIG. 4 is a back-side view of an occupancy sensor.  
FIG. 5 is a left-side view of an occupancy sensor.  
FIG. 6 is a right-side view of an occupancy sensor.  
FIG. 7 is a top-side view of an occupancy sensor; and,  
FIG. 8 is a bottom-side view of an occupancy sensor.  
The broken lines in the drawings illustrate portions of an occupancy sensor that form no part of the claimed design.

1 Claim, 6 Drawing Sheets





**FIG. 1**



**FIG. 2**

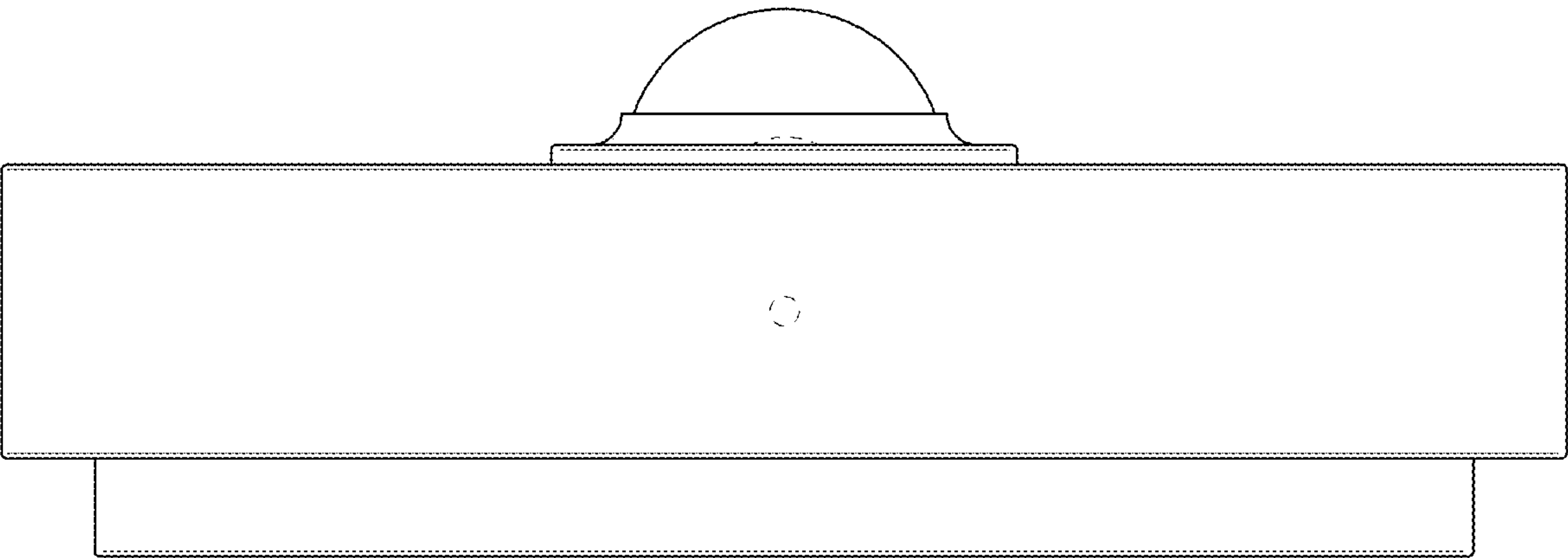


FIG. 3

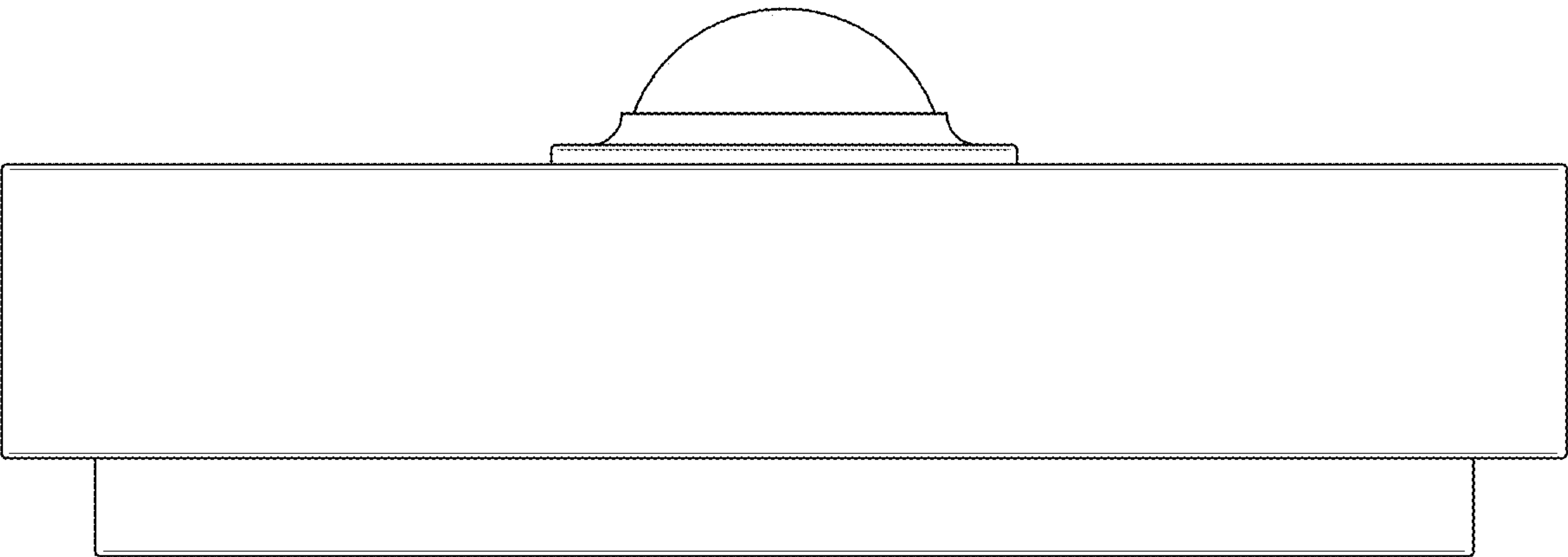


FIG. 4

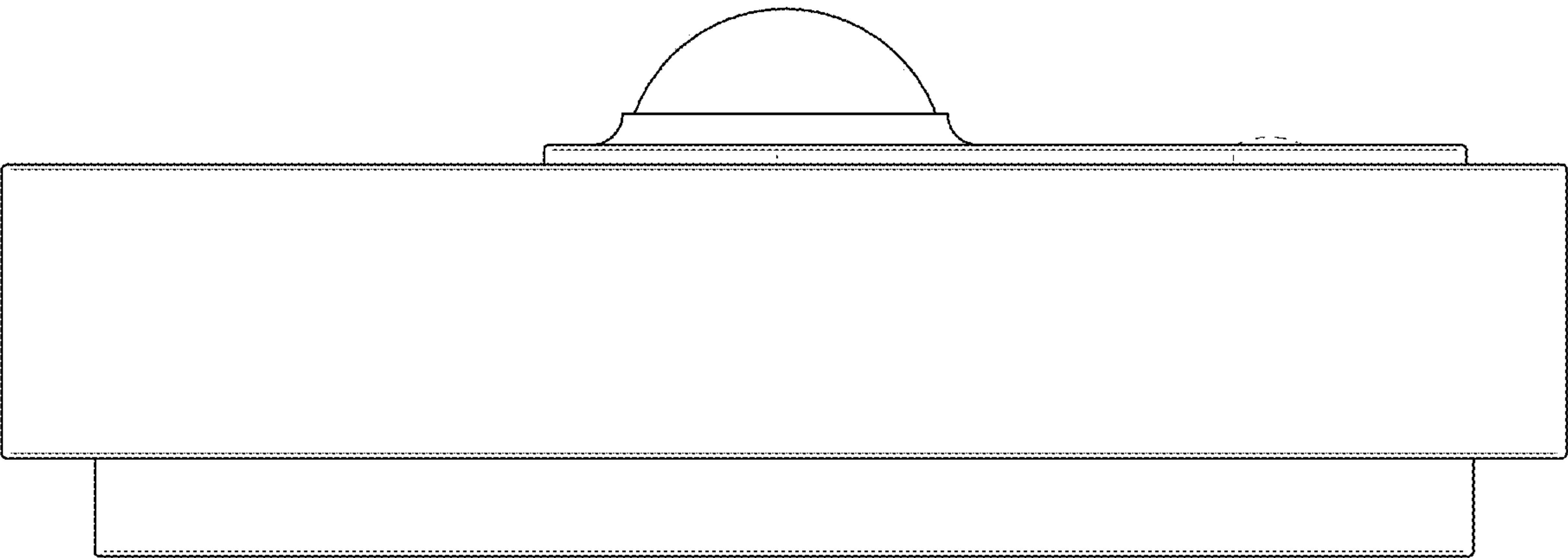


FIG. 5

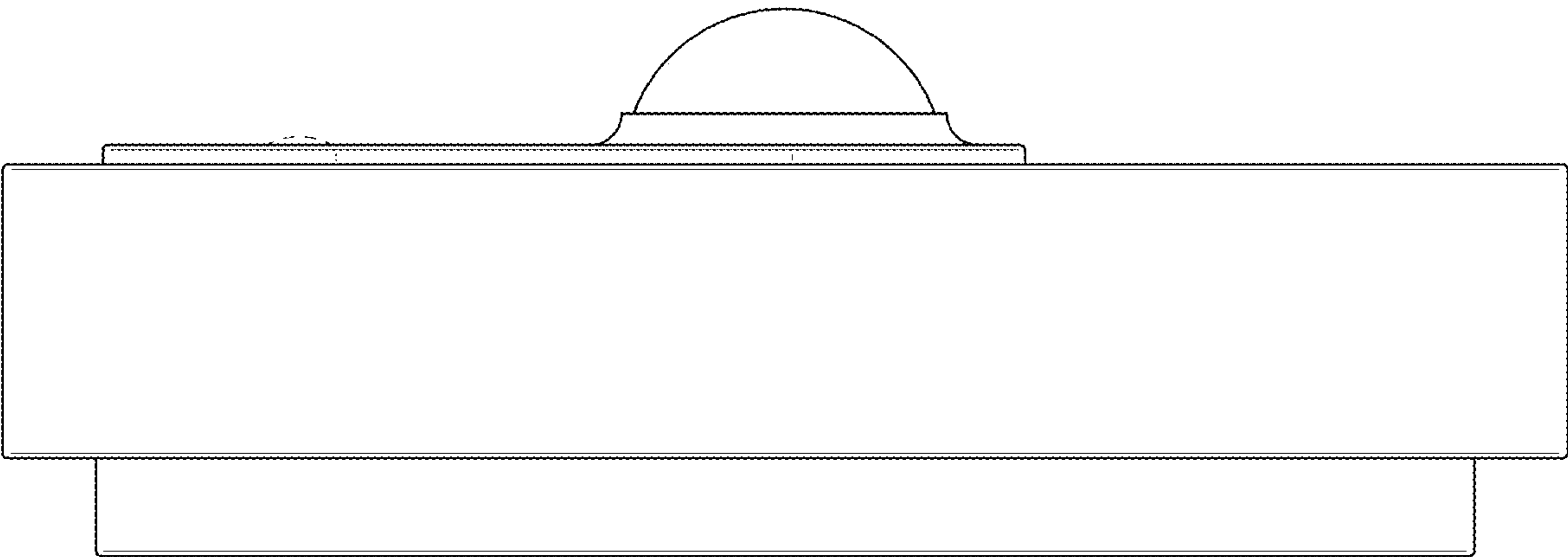
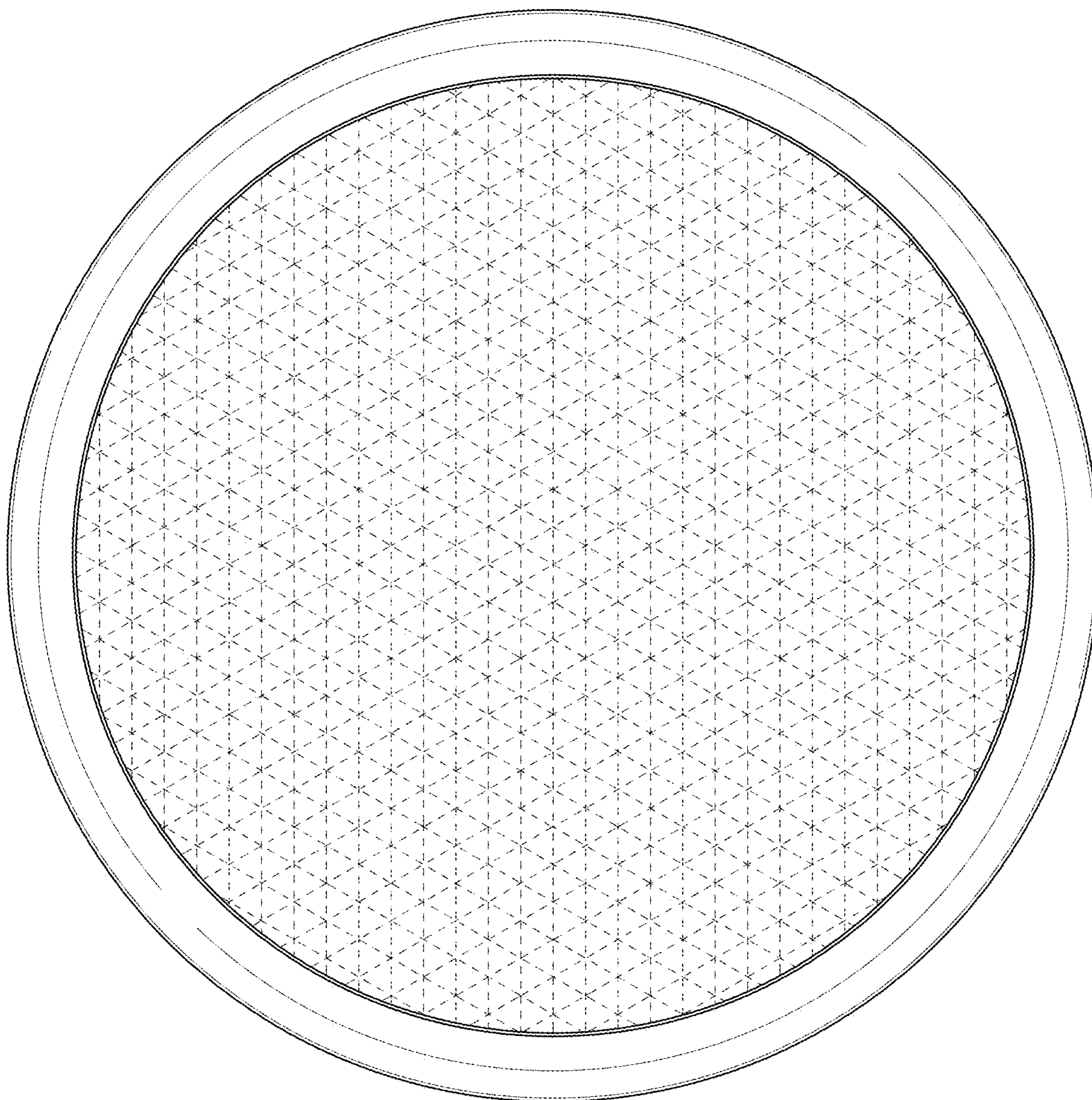


FIG. 6



**FIG. 7**



**FIG. 8**