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(12) **United States Design Patent**  
**Chen**

(10) **Patent No.:** **US D1,069,057 S**

(45) **Date of Patent:** **\*\* Apr. 1, 2025**

(54) **MAIN BODY OF IMMERSION HEATER**

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

\* cited by examiner

(21) Appl. No.: **35/520,459**

*Primary Examiner* — Ania Aman

(22) Filed: **Feb. 29, 2024**

(57) **CLAIM**

The ornamental design for main body of immersion heater as shown and described.

(80) **Hague Agreement Data**

**DESCRIPTION**

Int. Filing Date: **Feb. 29, 2024**

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.

Int. Reg. No.: **DM/236039**

Int. Reg. Date: **Feb. 29, 2024**

Int. Reg. Pub. Date: **Apr. 5, 2024**

(30) **Foreign Application Priority Data**

Dec. 19, 2023 (CN) ..... 202330835844.8

(51) **LOC (15) CL.** ..... **23-03**

(52) **U.S. CL.**  
USPC ..... **D23/316**

(58) **Field of Classification Search**  
USPC ..... D23/314, 316  
CPC ..... H05B 3/80; H05B 3/82; H05B 2203/021;  
H05B 1/0297; H05B 3/0014; H05B  
1/0283; F23C 3/004; F24H 1/206  
See application file for complete search history.

- 1. Main body of immersion heater
- 1.1 : Perspective
- 1.2 : Front
- 1.3 : Left
- 1.4 : Right
- 1.5 : Top
- 1.6 : Bottom
- 1.7 : A-A sectional view

The product is a main body of an immersion heater. The product is used to insert into a container containing liquid or fluid and to transfer heat of the product to the liquid or fluid therein. The characteristic features of the design lie in the shape of the claimed part which is not covered by a red translucent layer. The back view is omitted because it is symmetrical with the front view. The claimed design is a partial design while the disclaimed part is covered by a red translucent layer in the reproductions.

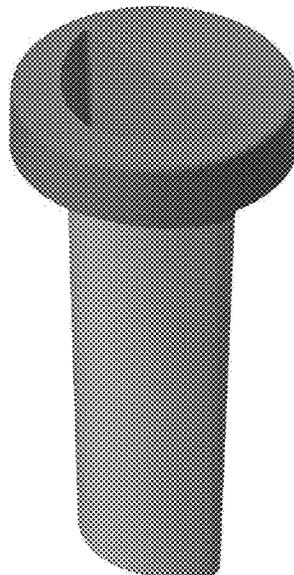
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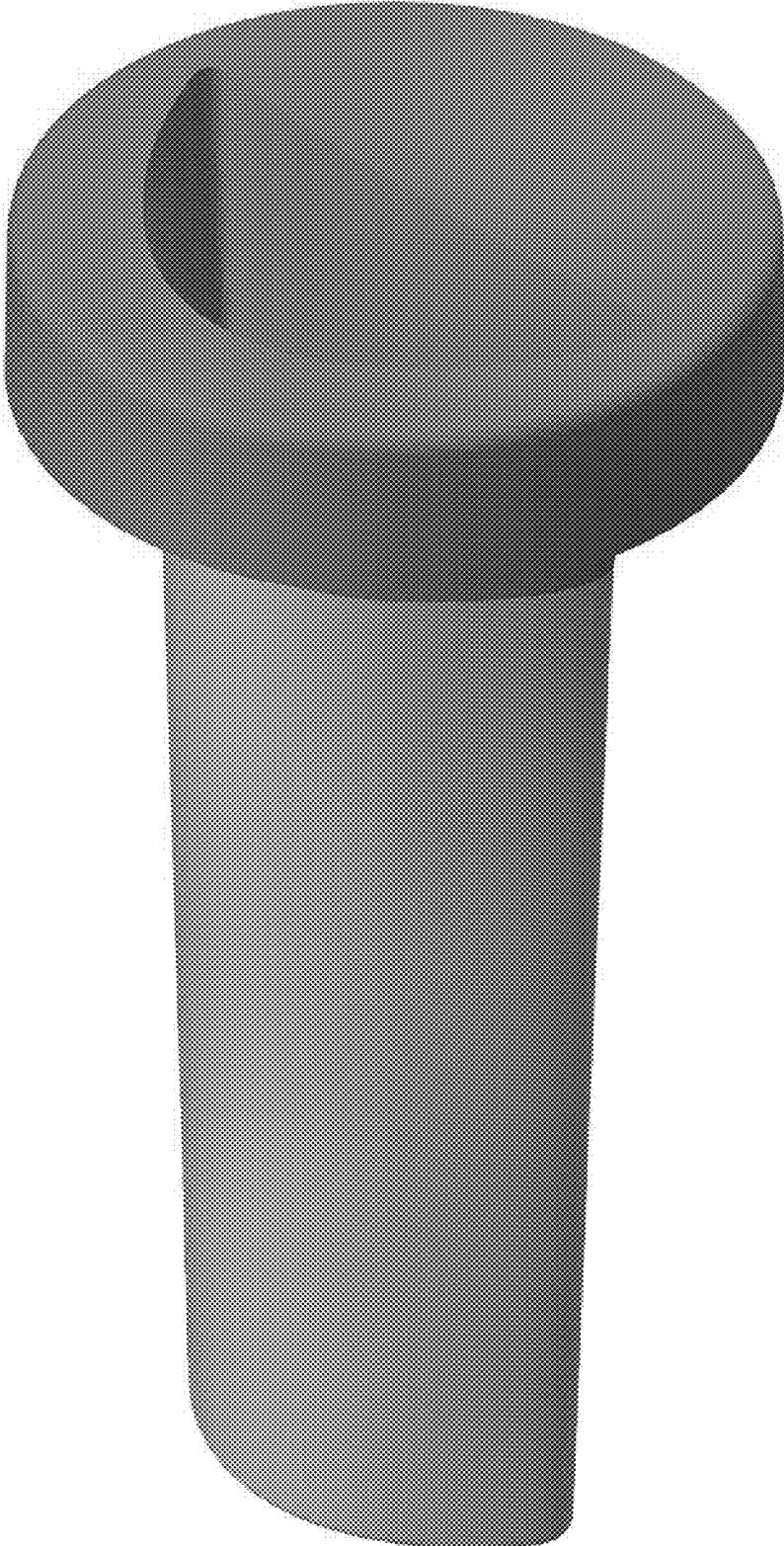
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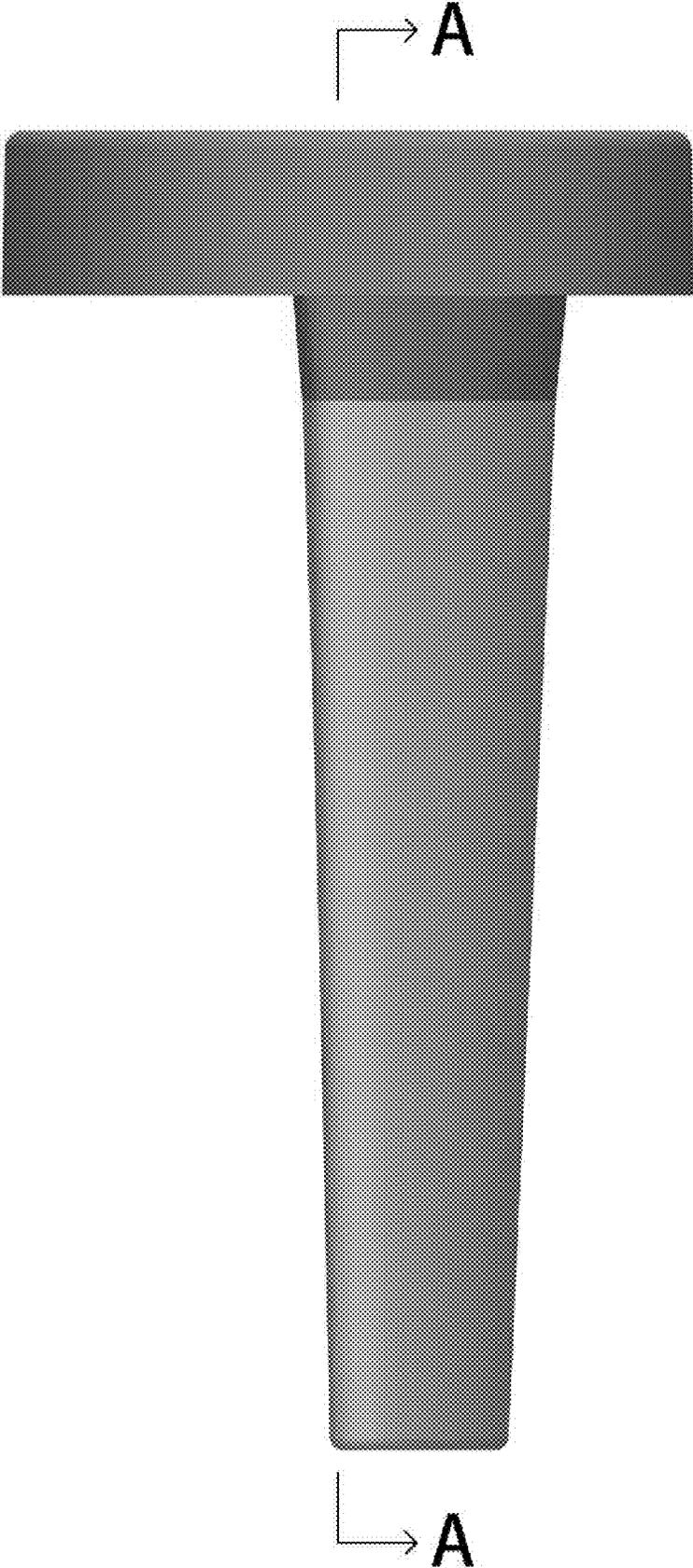
**1 Claim, 7 Drawing Sheets**  
**(7 of 7 Drawing Sheet(s) Filed in Color)**



1.1



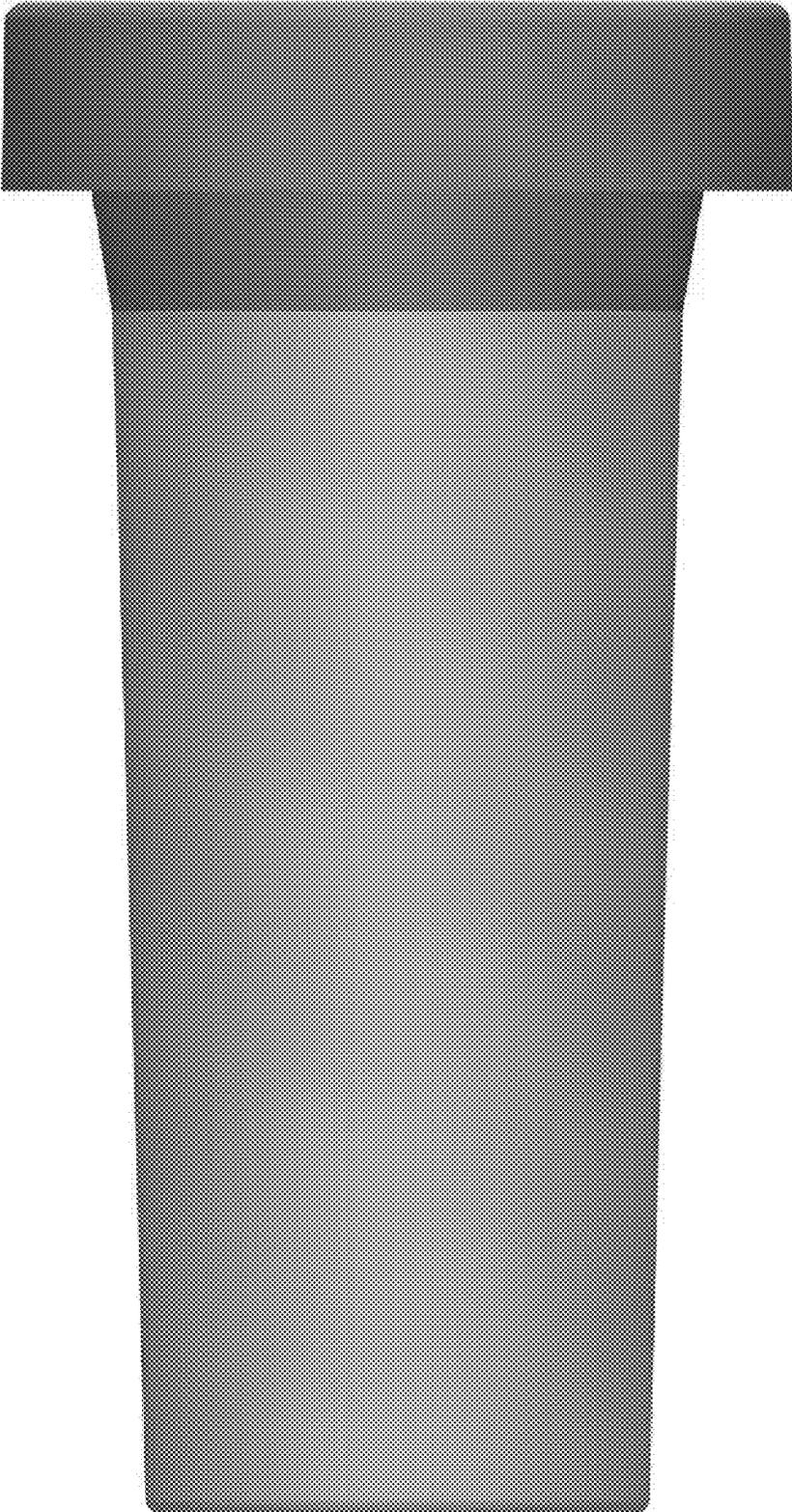
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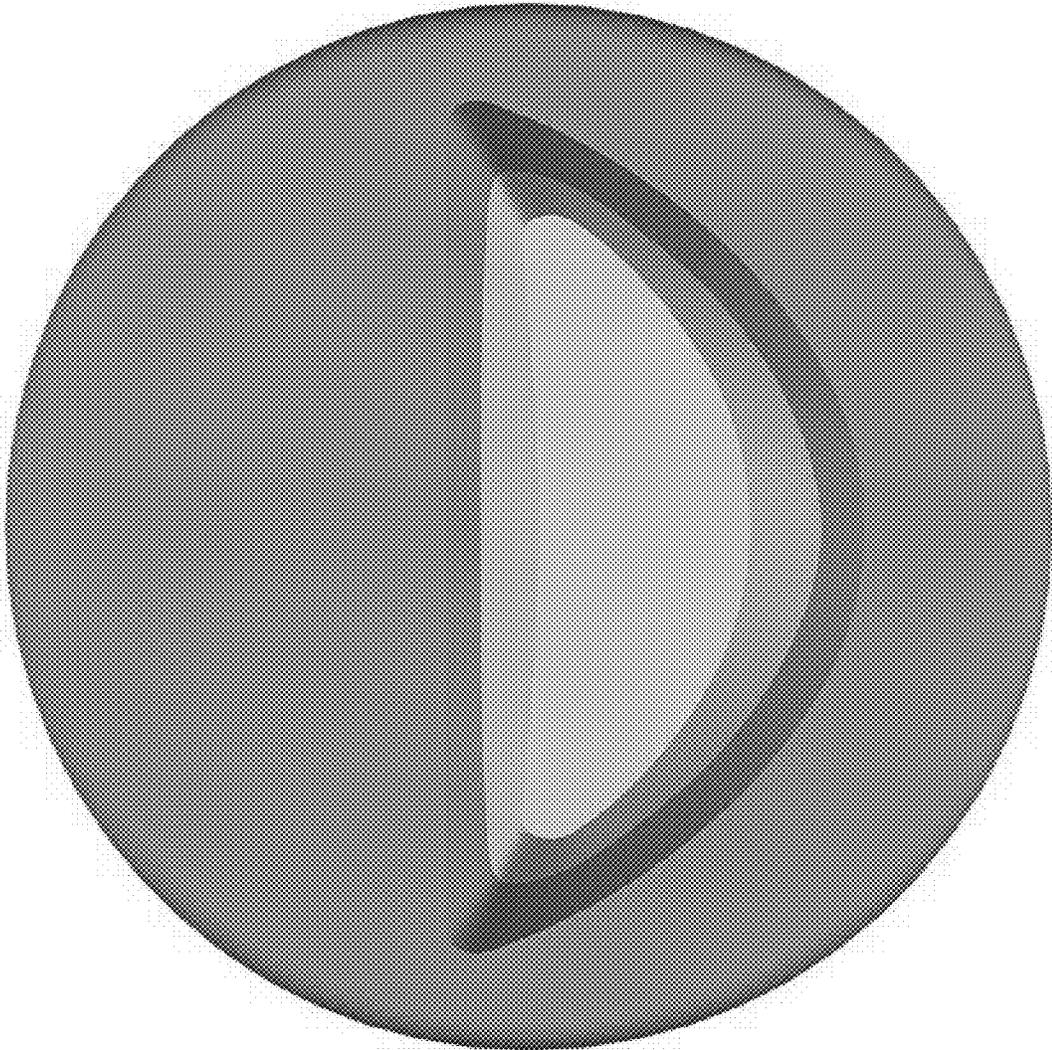
**1.3**



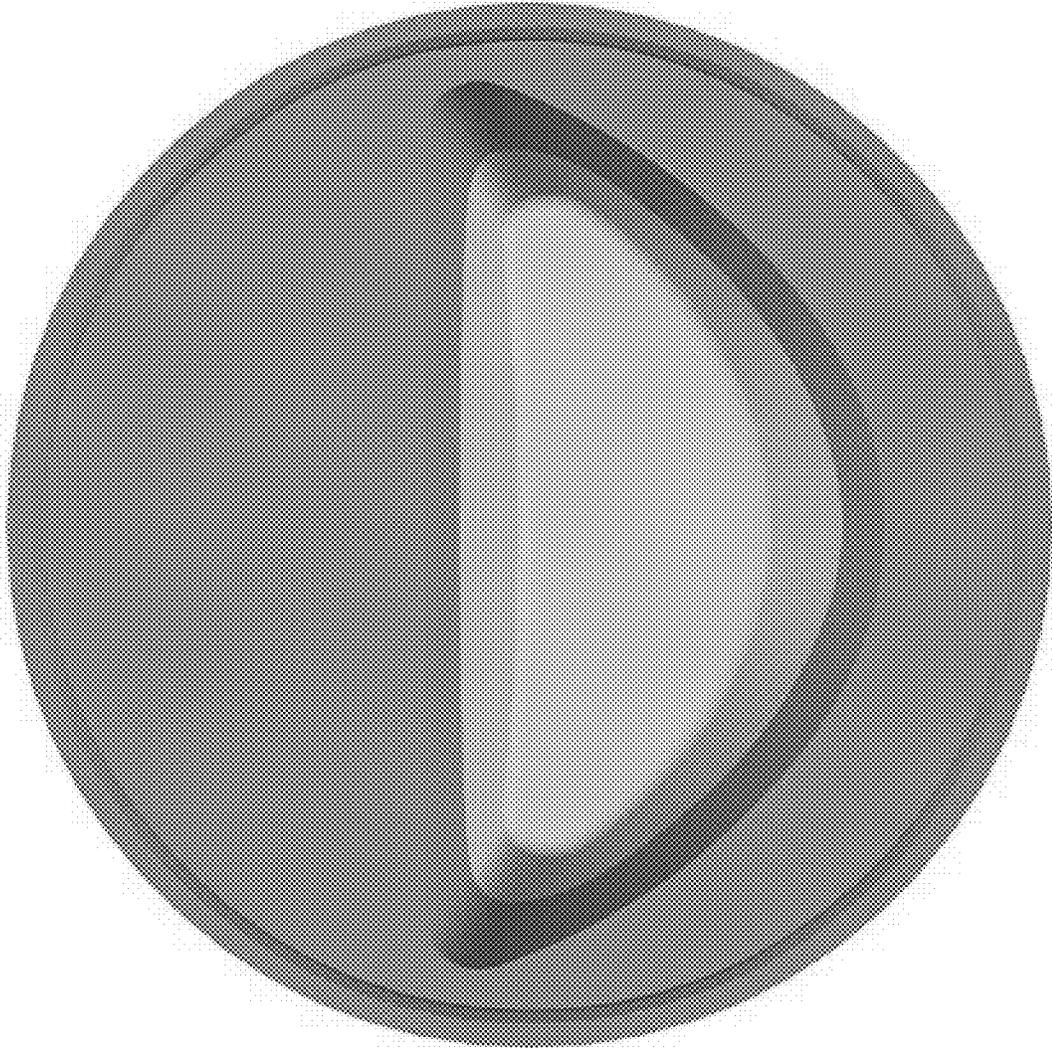
**1.4**



**1.5**



**1.6**



**1.7**

