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

(10) **Patent No.:** **US D1,024,962 S**

(45) **Date of Patent:** **** Apr. 30, 2024**

- (54) **SMART CURTAIN OPENER**
- (71) Applicant: **Zhaojun Yang**, Shenzhen (CN)
- (72) Inventors: **Zhaojun Yang**, Shenzhen (CN);
Tiefang Cheng, Shenzhen (CN); **Wei Tian**, Shenzhen (CN)

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(73) Assignee: **Zhaojun Yang**, Shenzhen (CN)

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

Primary Examiner — Derrick E Holland

(21) Appl. No.: **29/853,999**

(74) *Attorney, Agent, or Firm* — Daniel M. Cohn;
Howard M. Cohn

(22) Filed: **Sep. 21, 2022**

(57) **CLAIM**

(30) **Foreign Application Priority Data**

The ornamental design for a smart curtain opener, as shown and described.

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DESCRIPTION

(51) **LOC (14) Cl.** **13-01**

FIG. 1 is a perspective view of a smart curtain opener showing our new design;

(52) **U.S. Cl.**

FIG. 2 is another perspective view thereof;

USPC **D13/112**

(58) **Field of Classification Search**

FIG. 3 is a front elevational view thereof;

USPC D13/101, 110, 112, 113, 114, 118, 122,
D13/162, 168, 184, 199; D6/575, 580;
D15/199

FIG. 4 is a rear elevational view thereof;

CPC H02P 1/16; E06B 9/68; E06B 9/70; E06B
9/322; E06B 9/32; H02K 7/006; F02B
63/044; F02B 2063/045

FIG. 5 is a left side elevational view thereof;

See application file for complete search history.

FIG. 6 is a right side elevational view thereof;

FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof; and,

FIG. 9 is an enlarged view of the smart curtain opener shown within the area designated as 9 in FIG. 2.

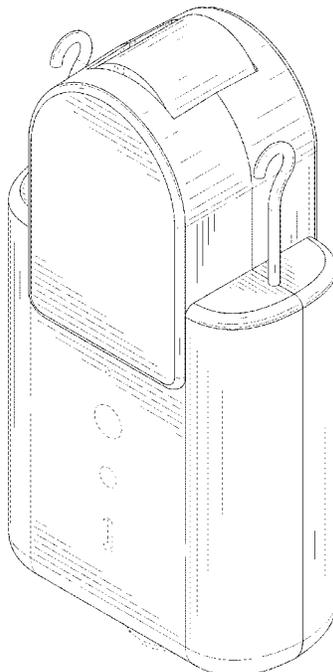
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The broken lines in the drawings are for the purpose of illustrating portions of the smart curtain opener that form no part of the claimed design. The dot-dashed broken line in FIGS. 2 and 9 shows the boundary of the enlarged view and forms no part of the claimed design.

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1 Claim, 9 Drawing Sheets



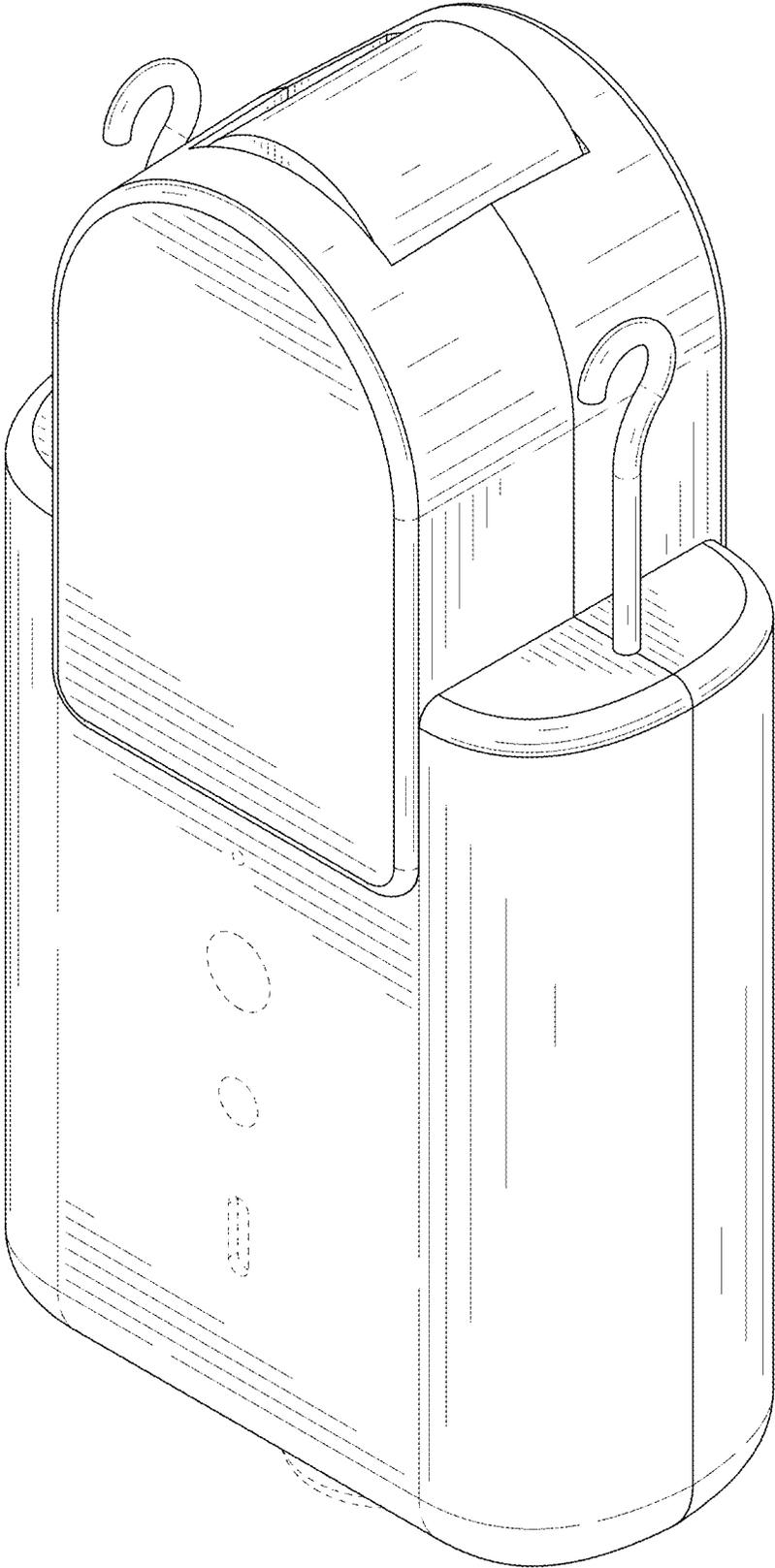


FIG. 1

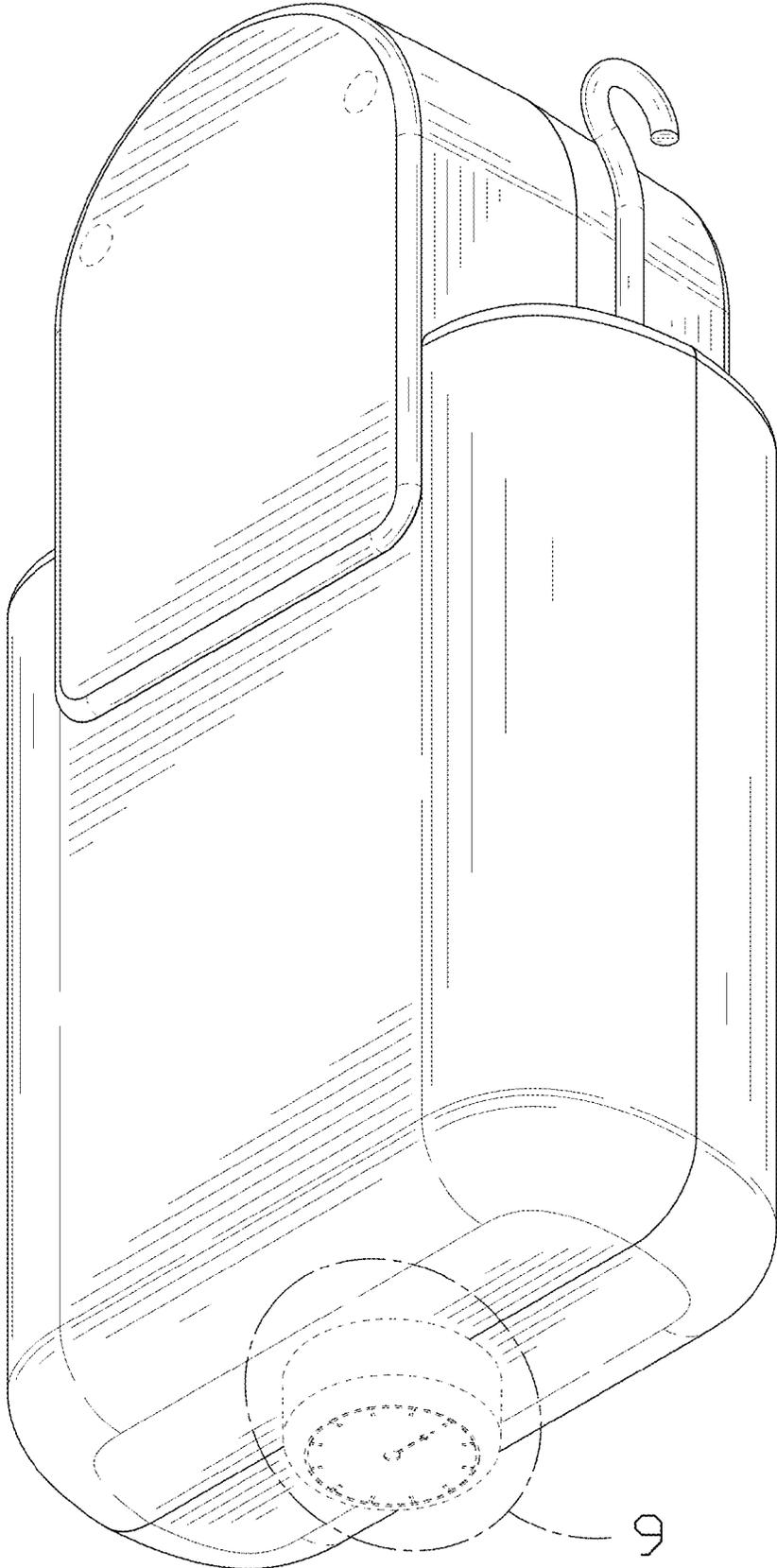


FIG. 2

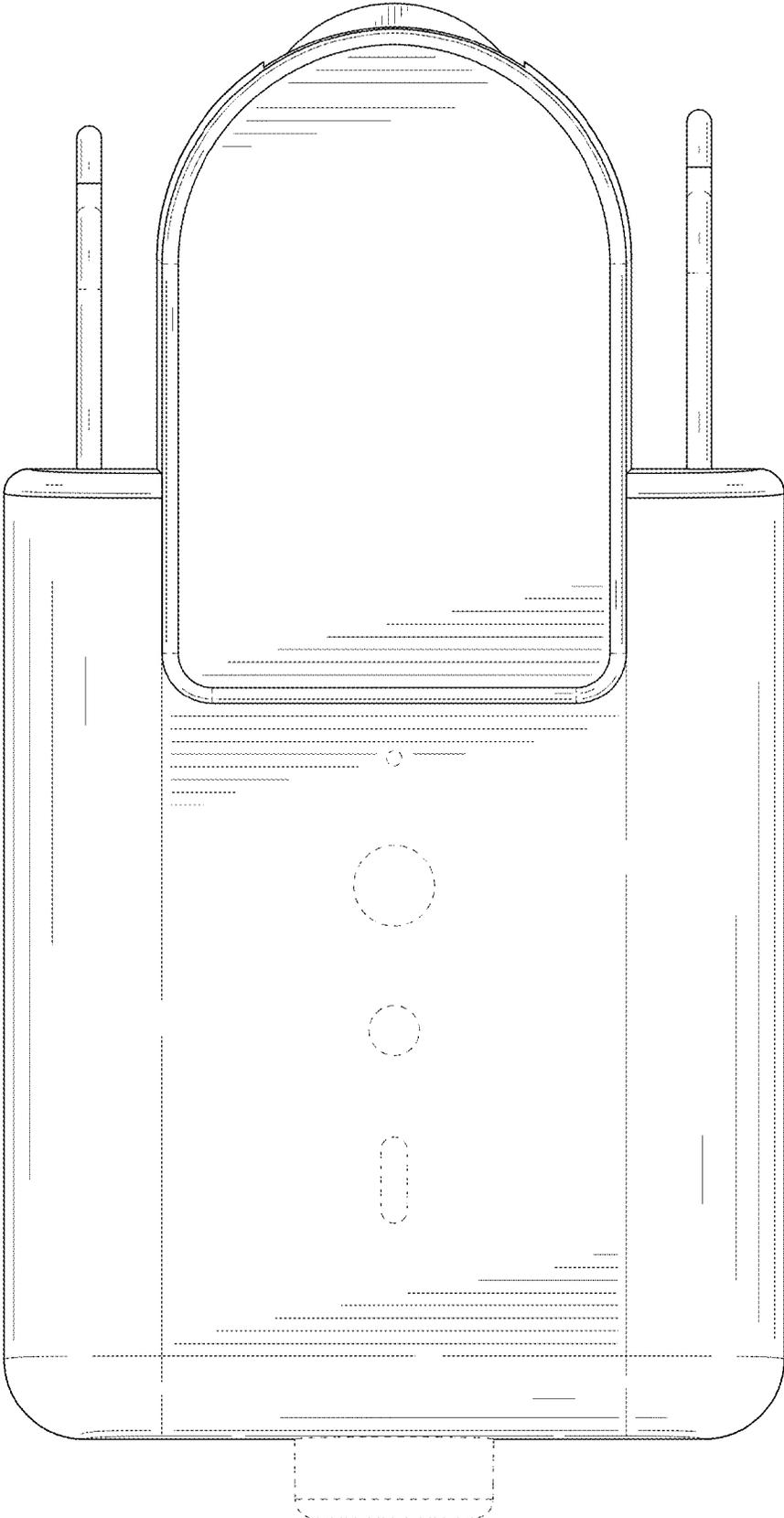


FIG. 3

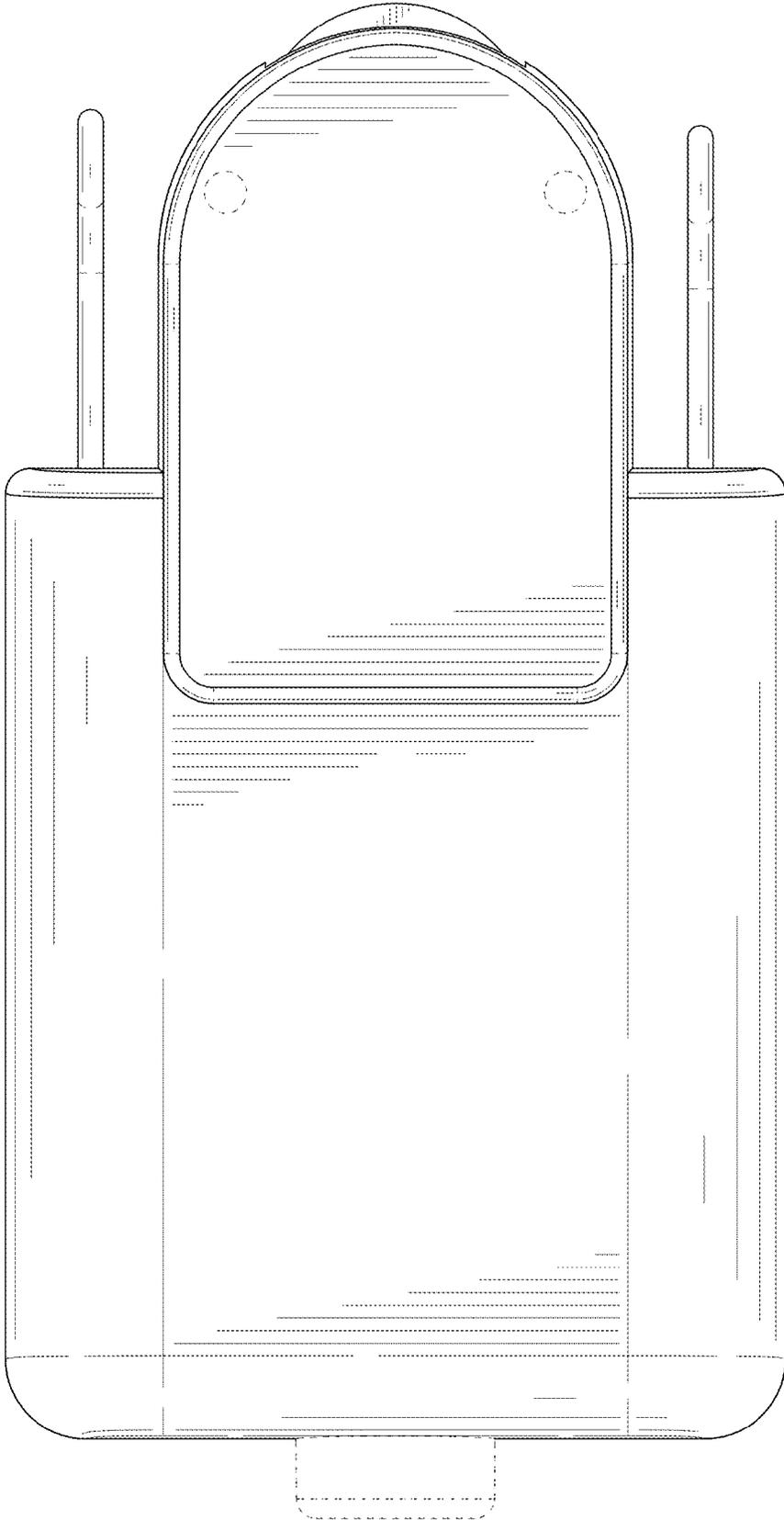


FIG. 4

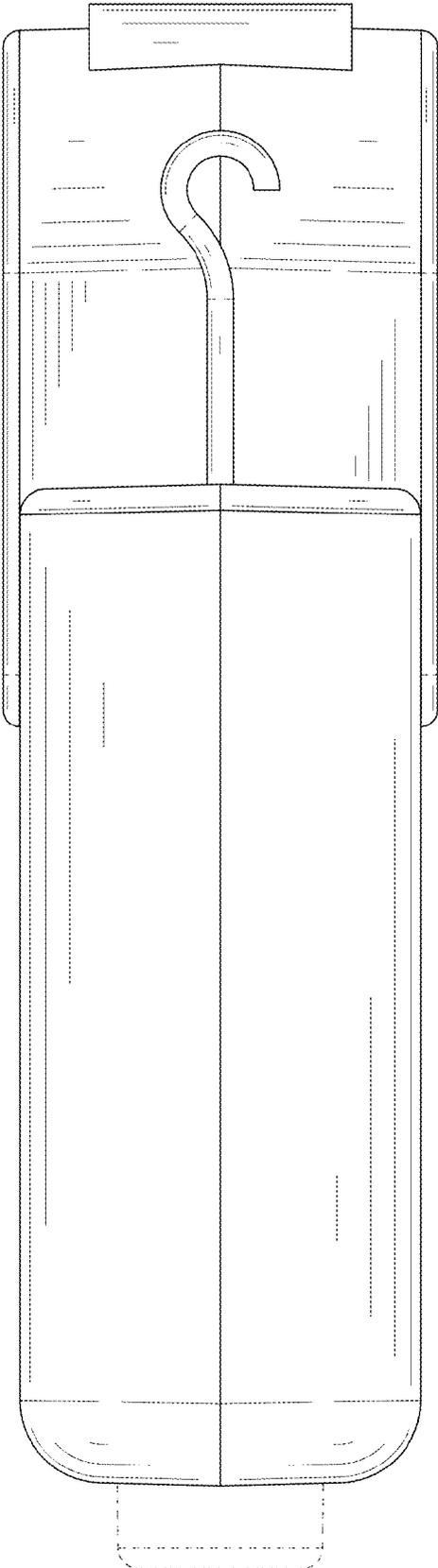


FIG. 5

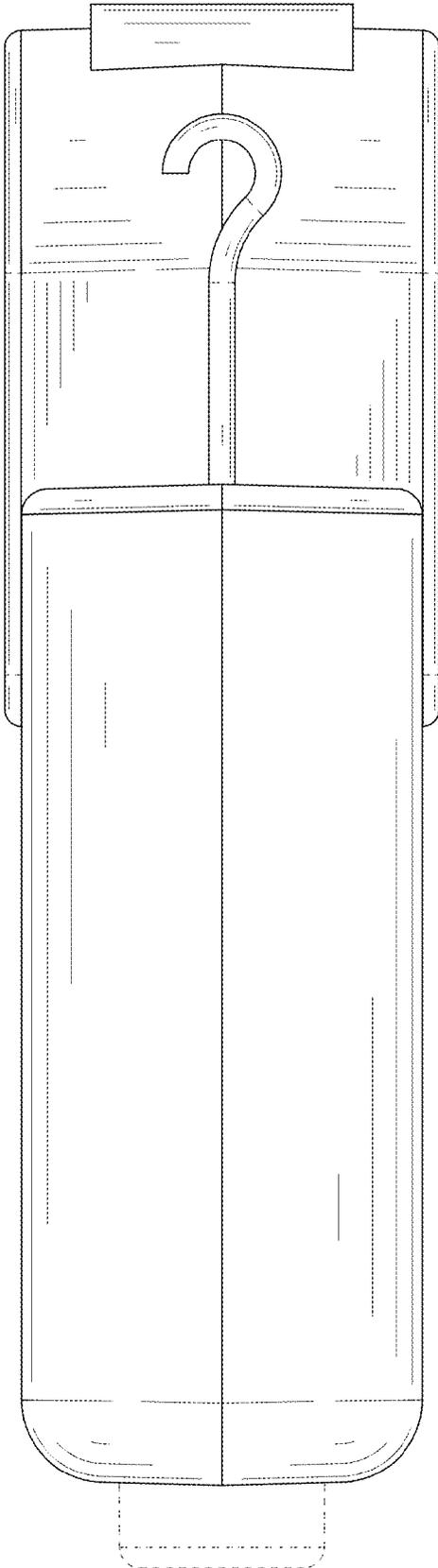


FIG. 6

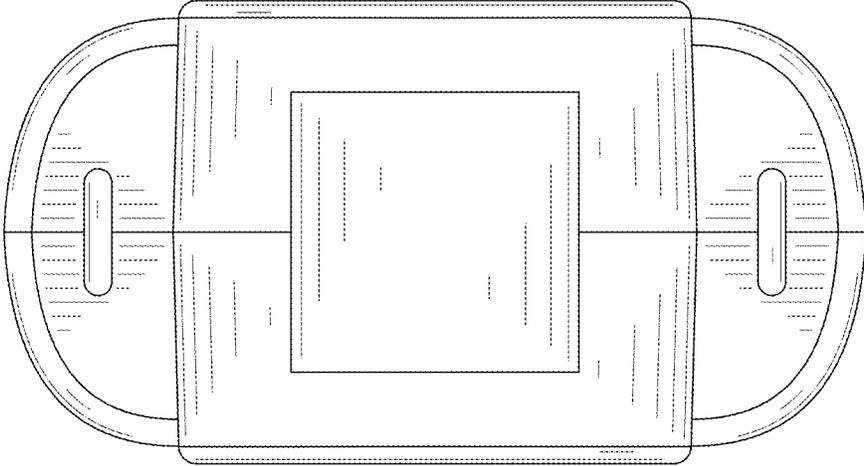


FIG. 7

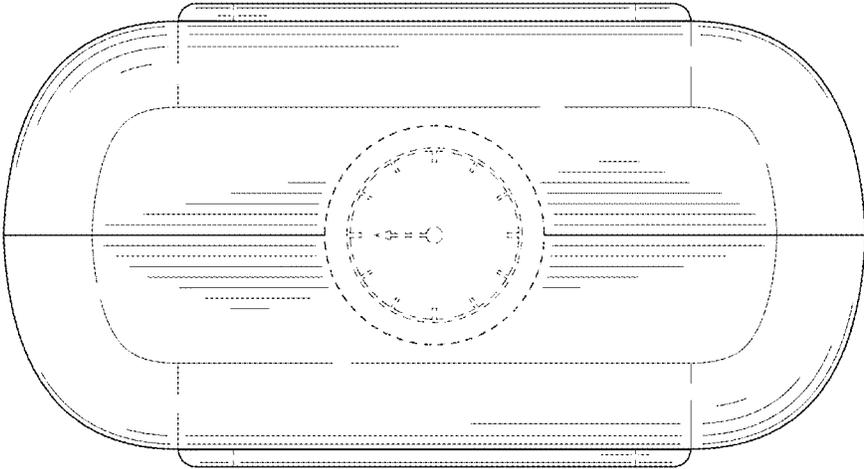


FIG. 8

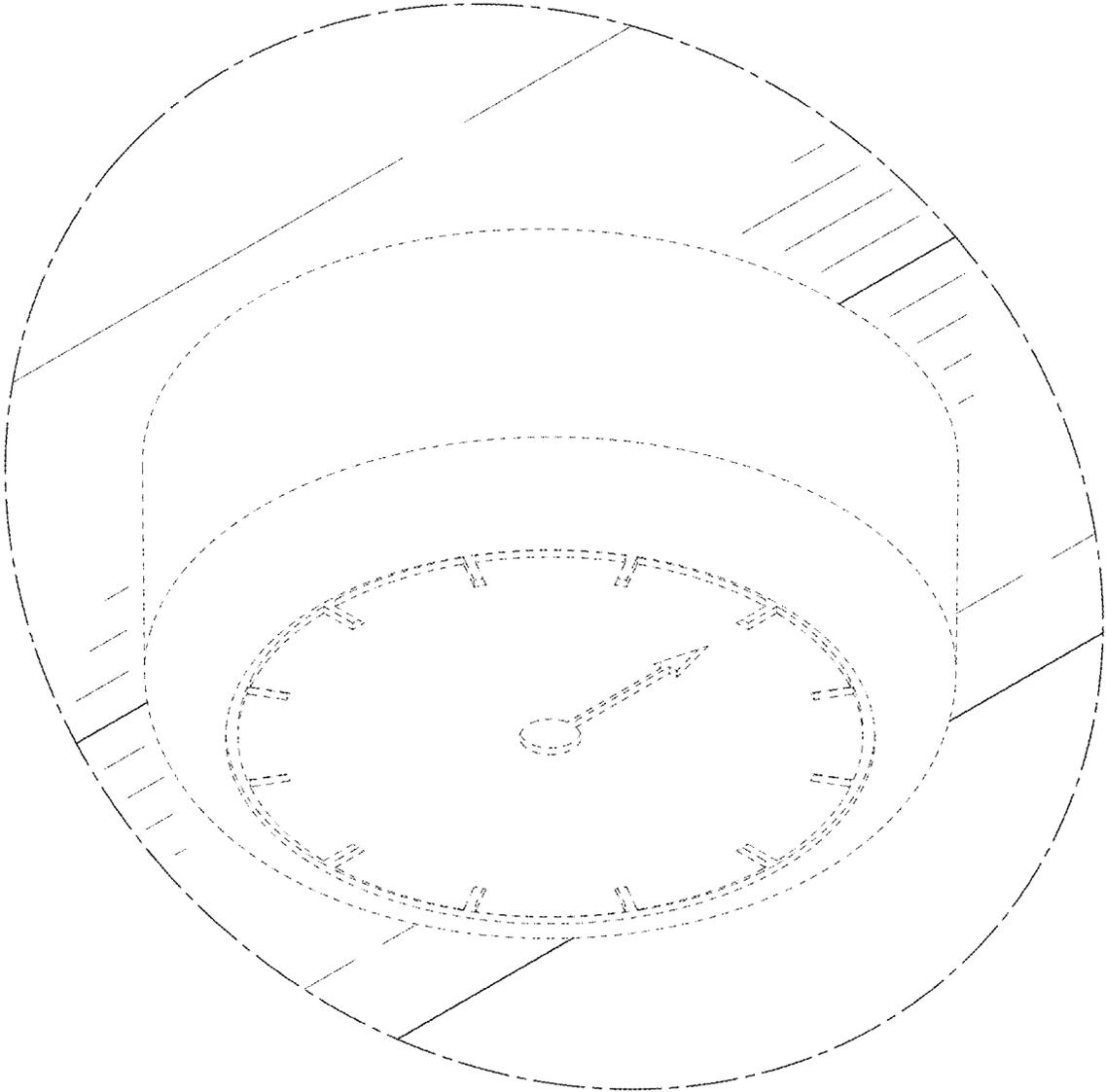


FIG. 9