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(12) United States Design Patent

Song

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(54) **CONTROLLER SHELL**

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(72) Inventor: **Keyong Song**, Zhejiang (CN)

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

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(30) **Foreign Application Priority Data**

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Apr. 10, 2021 (CN) 202130200891.6

(51) **LOC (14) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D13/168**

(58) **Field of Classification Search**
USPC D13/102, 110, 158, 162, 168, 171, 184; D10/40, 49, 104.1, 106.6; D14/218, D14/356–358, 433, 435.1, 480, 480.1, D14/480.3, 480.5, 480.7
CPC G08C 17/02; G09F 23/00; H01H 9/02; H01H 9/0214; H01H 9/0235; H04B 1/202; F21S 4/00; F21S 4/10; F21S 4/20
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D743,381	S *	11/2015	Pi	D14/218
D751,527	S *	3/2016	Hinokio	D14/204
9,332,615	B1 *	5/2016	Peng	H01H 9/0228
D822,643	S *	7/2018	Chen	D14/218
D832,260	S *	10/2018	Hutton	D14/433
D840,954	S *	2/2019	Wu	D13/168
D867,335	S *	11/2019	Lee	D14/218
D900,789	S *	11/2020	Chen	D14/218
D901,496	S *	11/2020	Hachiya	D14/388
D910,580	S *	2/2021	Zhu	D13/168
D912,005	S *	3/2021	Zhang	D14/155
D912,641	S *	3/2021	Dai	D14/158
D916,034	S *	4/2021	Shi	D14/218
D917,404	S *	4/2021	Xu	D13/168

(Continued)

FOREIGN PATENT DOCUMENTS

CN	201830321997	*	6/2018
CN	202030506428.X	*	8/2020

(Continued)

OTHER PUBLICATIONS

Came TOPD2FKS Remote Control Gate Opener,retrieved on Jan. 12, 2023; 1 pg.*

(Continued)

Primary Examiner — Selina Sikder

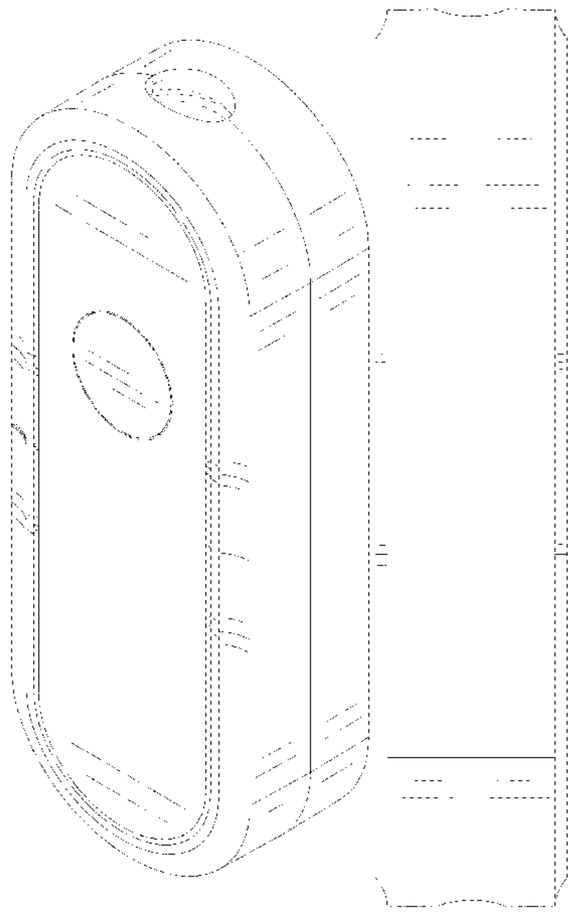
(57) **CLAIM**

The ornamental design for a controller shell, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a controller shell showing our new design;
FIG. **2** is another perspective view thereof;
FIG. **3** is a front view thereof;
FIG. **4** is a back view thereof;
FIG. **5** is a left view thereof;
FIG. **6** is a right view thereof;
FIG. **7** is a top view thereof;
FIG. **8** is a bottom view thereof;
FIG. **9** is a perspective view thereof showing an alternate environment; and,
FIG. **10** is a perspective view thereof showing another alternate environment.
The broken lines shown on the drawings depict portions of the controller shell that form no part of the claimed design.

1 Claim, 10 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D919,466	S	*	5/2021	Lyu	D10/104.1
D922,335	S	*	6/2021	Lu	D13/168
D923,588	S	*	6/2021	Zhu	D13/168
D932,449	S	*	10/2021	Zhu	D13/168
D934,092	S	*	10/2021	Luebeck	D10/104.1
D936,579	S	*	11/2021	Wang	D24/217
D945,975	S	*	3/2022	Abramson	D13/168
D956,002	S	*	6/2022	Zhang	D13/168
D957,364	S	*	7/2022	Wu	D14/218
D958,759	S	*	7/2022	Deng	D13/168
D973,602	S	*	12/2022	Yang	D13/158

FOREIGN PATENT DOCUMENTS

CN	202030762535.9	*	12/2020
CN	202130199417.6	*	4/2021
CN	202130271315.0	*	8/2021

OTHER PUBLICATIONS

Printed Nicholson 256MB Flash Drive, retrieved on Jan. 12, 2023; 2 pgs.*

Came TOPD4FES Remote Control Gate Opener, retrieved on Jan. 12, 2023; 1 pg.*

* cited by examiner

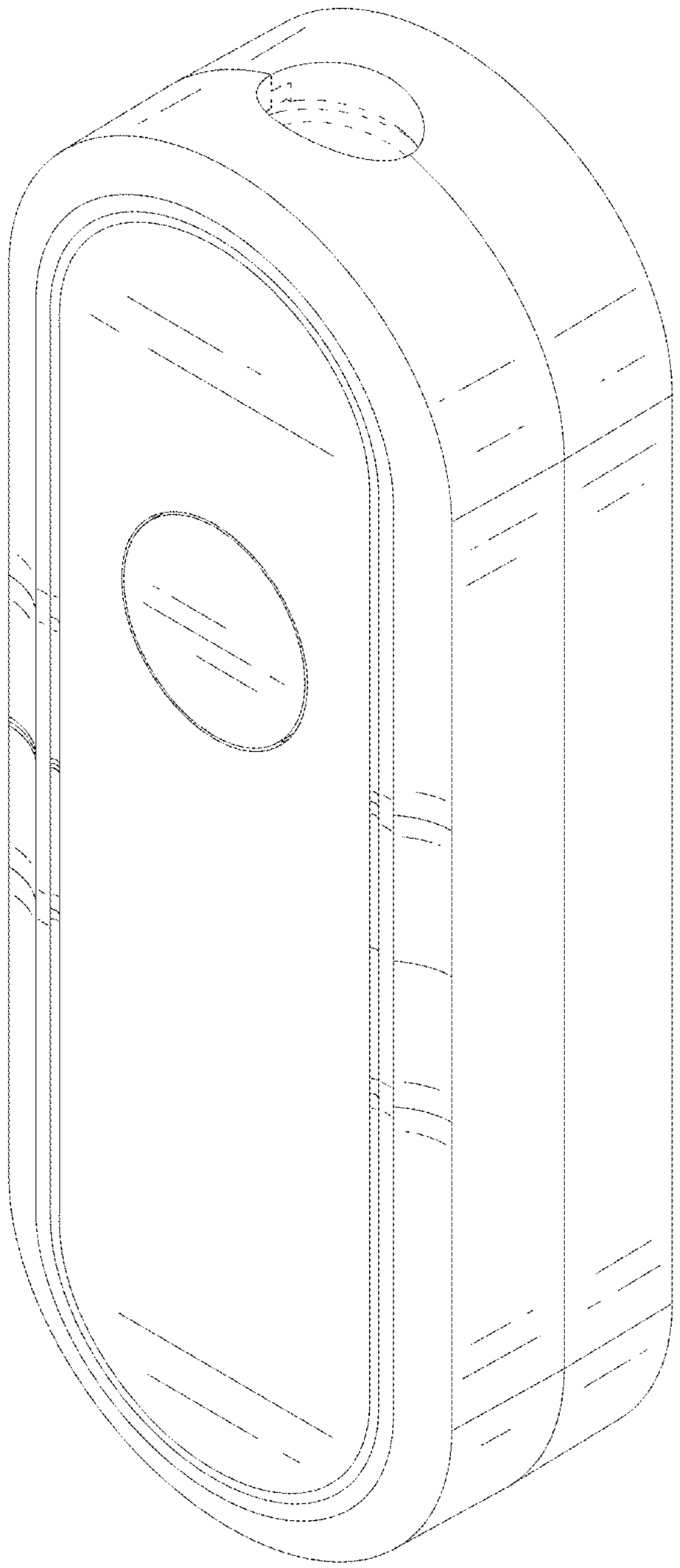


FIG. 1

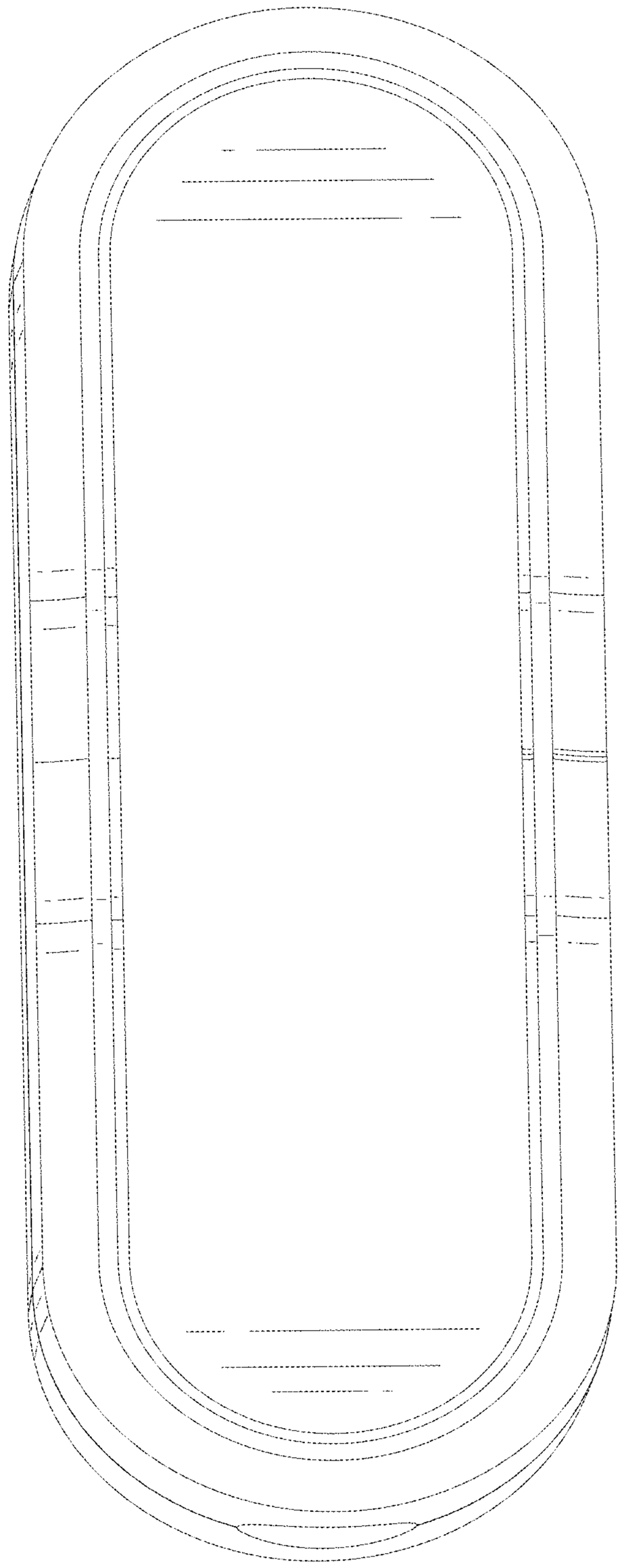


FIG. 2

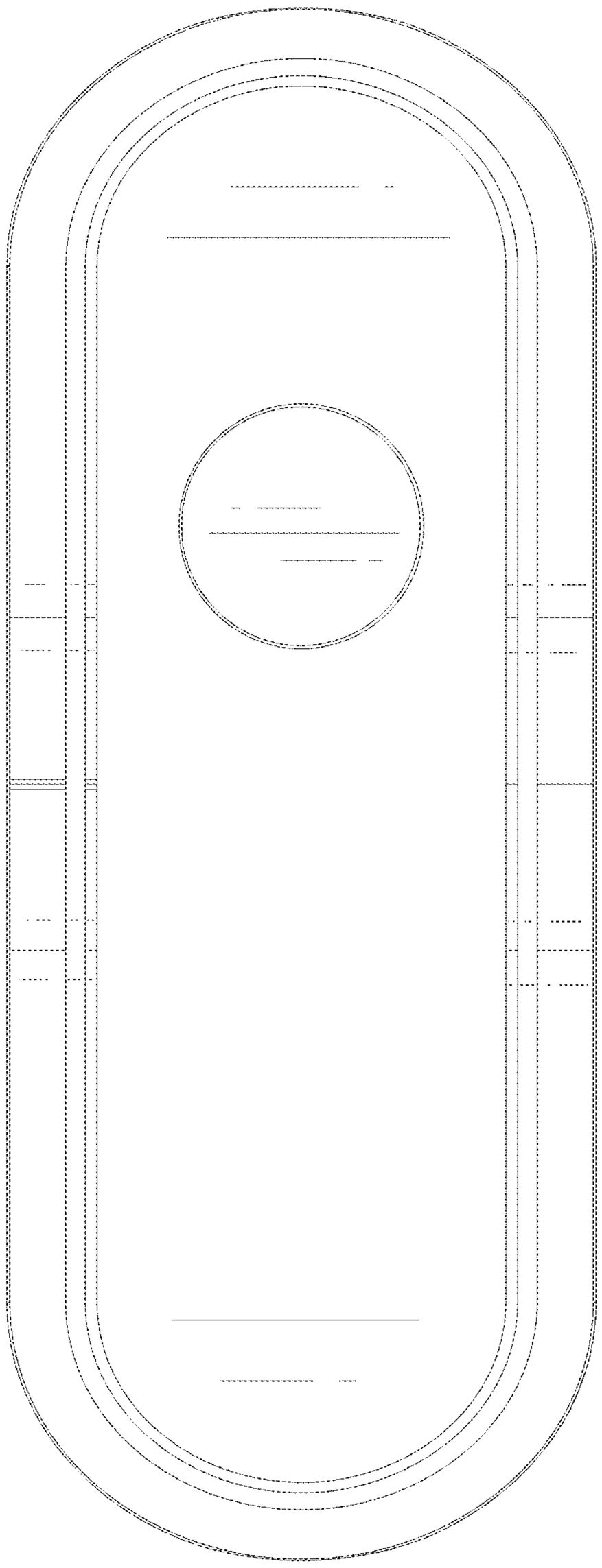


FIG. 3

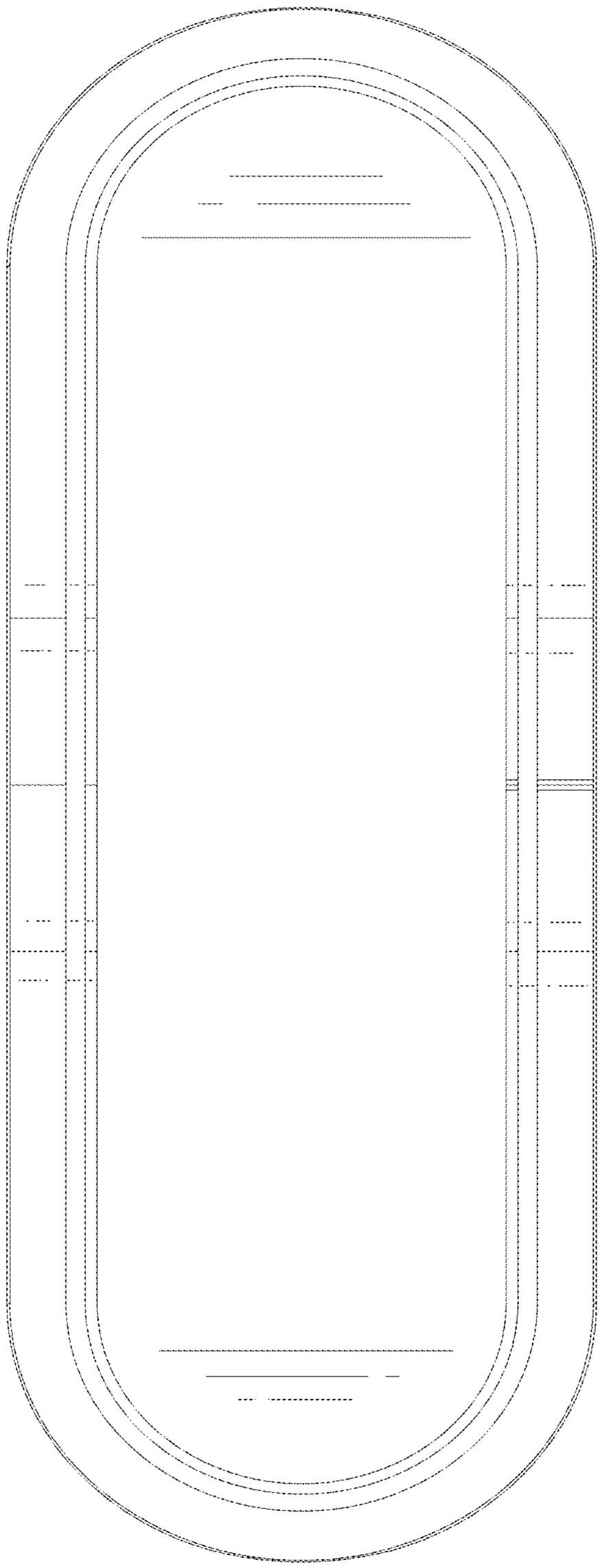


FIG. 4

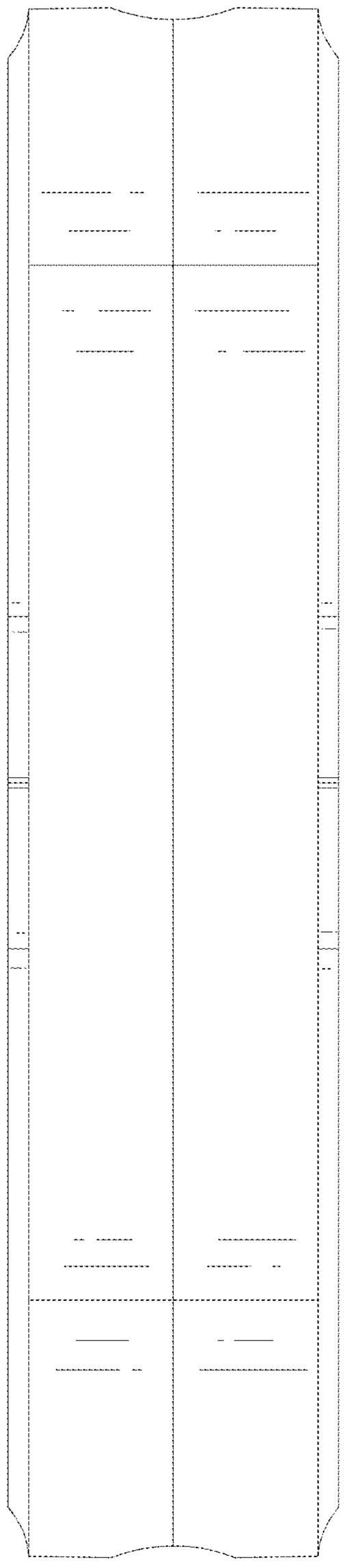


FIG. 5

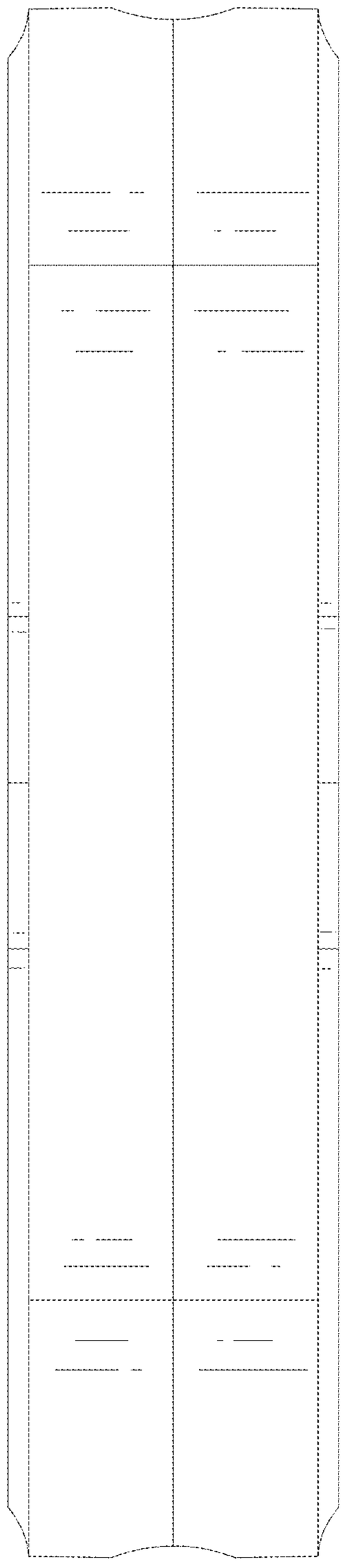


FIG. 6

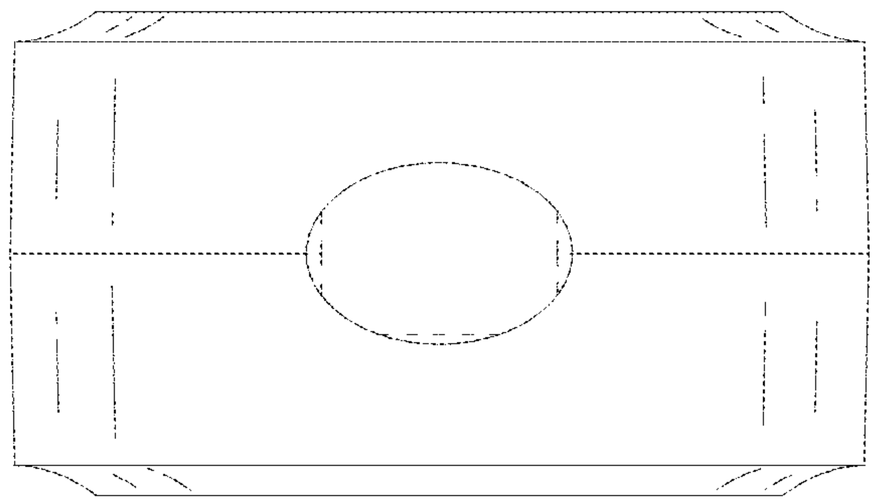


FIG. 7

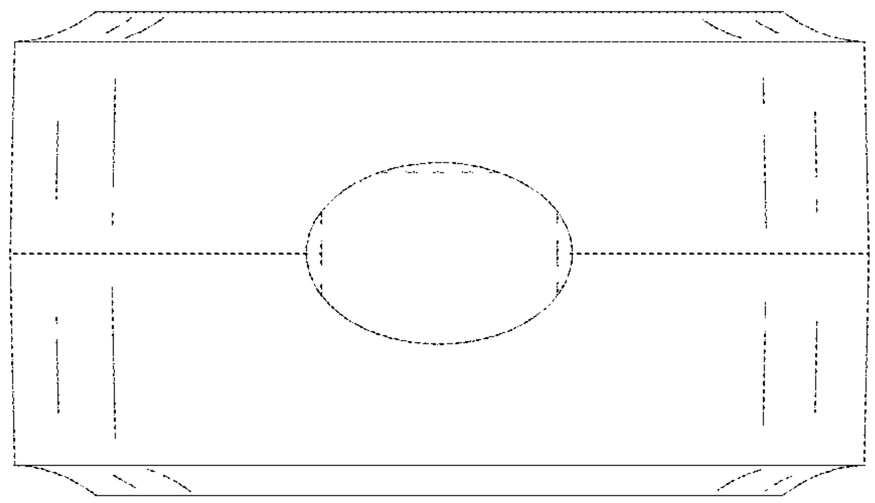


FIG. 8

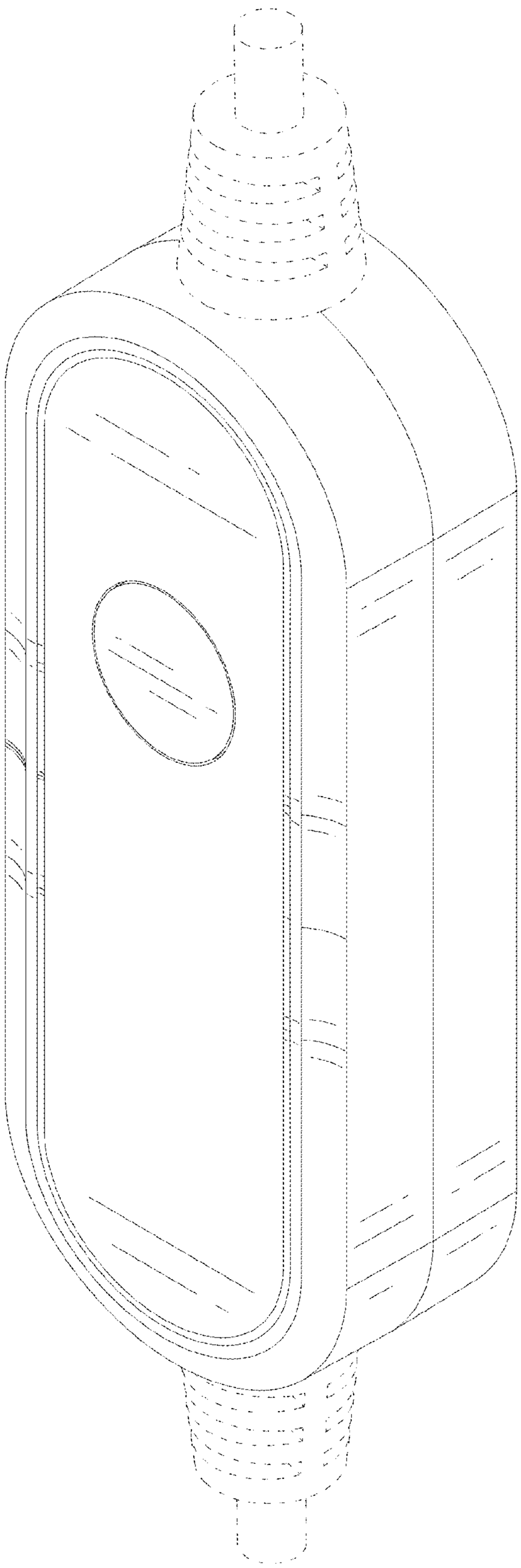


FIG. 9

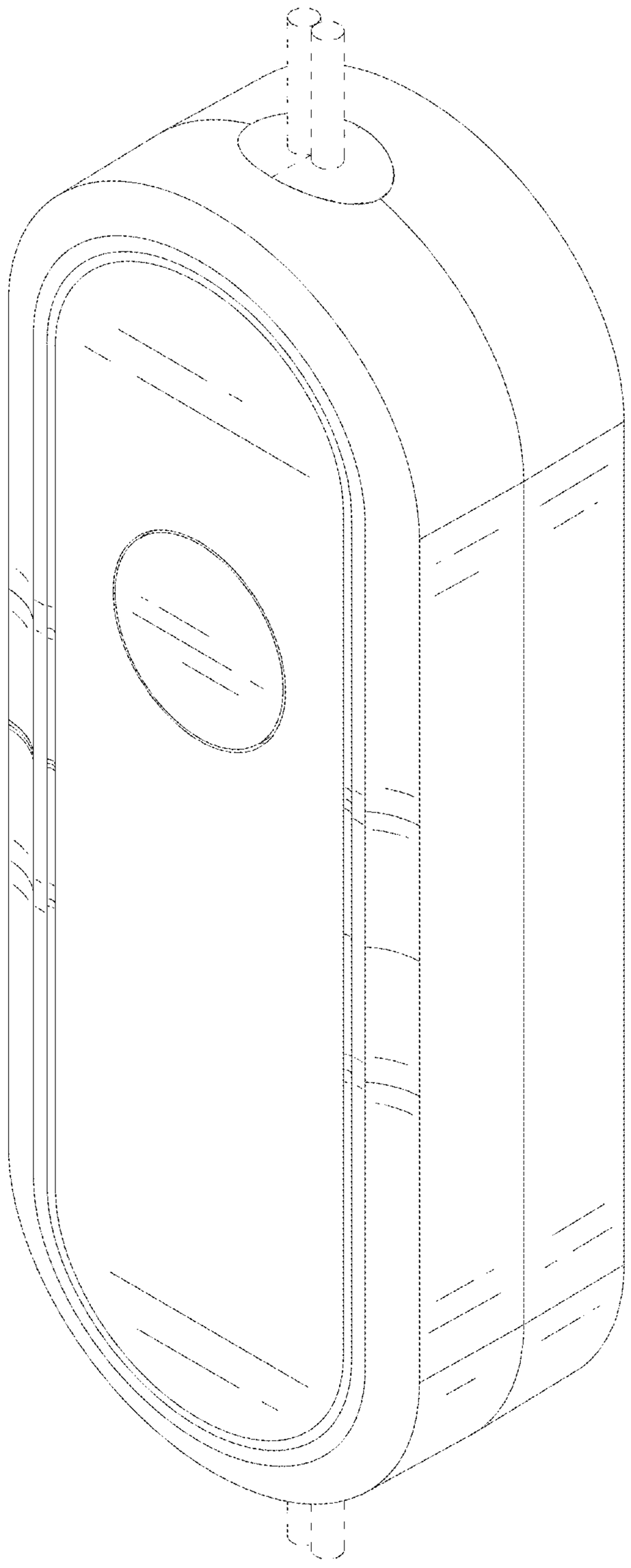


FIG. 10