



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

(10) **Patent No.:** **US D950,488 S**
(45) **Date of Patent:** **** May 3, 2022**

- (54) **CHARGING BOX FOR EARPHONES**
- (71) Applicant: **Shenzhen Chengyue Innovation Technology Co., Ltd**, Guangdong (CN)
- (72) Inventors: **Min Ruan**, Shenzhen Guangdong (CN); **Shengwei Zhang**, Shenzhen Guangdong (CN); **Zhanxing Lin**, Shenzhen Guangdong (CN)
- (73) Assignee: **DONGGUAN CEESING INTELLIGENT DEVICE MANUFACTURING CO.LTD**, Dongguan (CN)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/740,699**
- (22) Filed: **Jul. 7, 2020**
- (30) **Foreign Application Priority Data**

- May 15, 2020 (CN) 202030224299.5
- (51) **LOC (13) Cl.** **13-02**
- (52) **U.S. Cl.**
USPC **D13/108; D3/294**
- (58) **Field of Classification Search**
USPC D13/103, 107, 108, 118, 119, 184;
D3/201, 208, 218, 273, 274, 294, 295,
(Continued)

- (56) **References Cited**
U.S. PATENT DOCUMENTS
D806,388 S * 1/2018 Akana D3/294
D881,572 S * 4/2020 Wang D3/294
(Continued)

OTHER PUBLICATIONS
"Sony WF-1000XM3 Earbuds". Found online Jul. 27, 2021 at amazon.com. Reference dated Jul. 5, 2019. Retrieved from <https://www.amazon.com/Sony-WF-1000XM3-Industry-Canceling-Wireless/dp/B07T81554H>. (Year: 2019).*

(Continued)

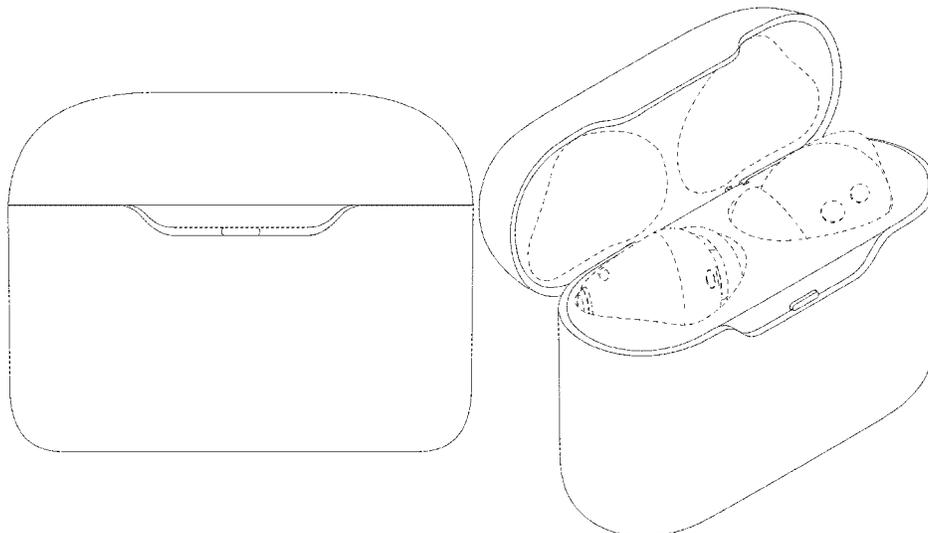
Primary Examiner — Kendra Leslie Hamilton
Assistant Examiner — Amanda Christensen
(74) *Attorney, Agent, or Firm* — Dragon Sun Law Firm, PC; Jinggao Li, Esq.

(57) **CLAIM**
The ornamental design for a charging box for earphones, as shown and described.

DESCRIPTION

FIG. 1 is a front, top, right perspective view of a charging box for earphones, showing our new design closed in a first configuration.
FIG. 2 is a front, bottom, left 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 front cross sectional view thereof, taken in the direction of line 9-9 of FIG. 7.
FIG. 10 is a front, top, right perspective view of the charging box for earphones of FIG. 1, shown open in a second configuration.
FIG. 11 is a front, bottom, left perspective view thereof.
FIG. 12 is a front view thereof.
FIG. 13 is a back view thereof.
FIG. 14 is a left view thereof.
FIG. 15 is a right view thereof.
FIG. 16 is a top view thereof.
FIG. 17 is a bottom view thereof; and,
FIG. 18 is a front, top, right perspective view of the charging box for earphones of FIG. 1, shown open in a second configuration, and in a condition of use for clarity of disclosure.
The broken lines in the figures show portions of the charging box for earphones that form no part of the claimed design.

1 Claim, 18 Drawing Sheets



(58) **Field of Classification Search**

USPC D3/298; D9/414, 420, 423; D14/223,
D14/251, 432, 433

CPC .. H02J 7/0044; A45C 2011/001; B65D 43/16;
H04R 1/1025

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D893,184 S * 8/2020 Liu D3/294
10,764,699 B1 * 9/2020 Rule G10K 11/17885
D897,678 S * 10/2020 Koh D3/294
D897,997 S * 10/2020 Zhang D14/223
D912,622 S * 3/2021 Zhou D13/108
D918,138 S * 5/2021 Ma D13/108
D922,315 S * 6/2021 Zhang D13/108
D922,946 S * 6/2021 Chen D13/108
2020/0068285 A1 * 2/2020 Dang H04R 1/1016
2021/0058687 A1 * 2/2021 Liu H04R 1/02
2021/0085047 A1 * 3/2021 Wright A45C 11/00

OTHER PUBLICATIONS

“Anker Soundcore Liberty Air 2 Wireless Earbuds”. Found online Jul. 26, 2021 at amazon.com. Reference dated Sep. 4, 2019. Retrieved from <https://www.amazon.com/Soundcore-Bluetooth-Earphones-Personalized-Cancelling/dp/B07X8VJMLN?th=1>. (Year: 2019).*

“Apple AirPods Pro 3”. Found online Aug. 18, 2021 at youtube.com. Reference dated Nov. 7, 2019. Retrieved from <https://www.youtube.com/watch?v=GBd9pGDn5QM>. (Year: 2019).*

* cited by examiner

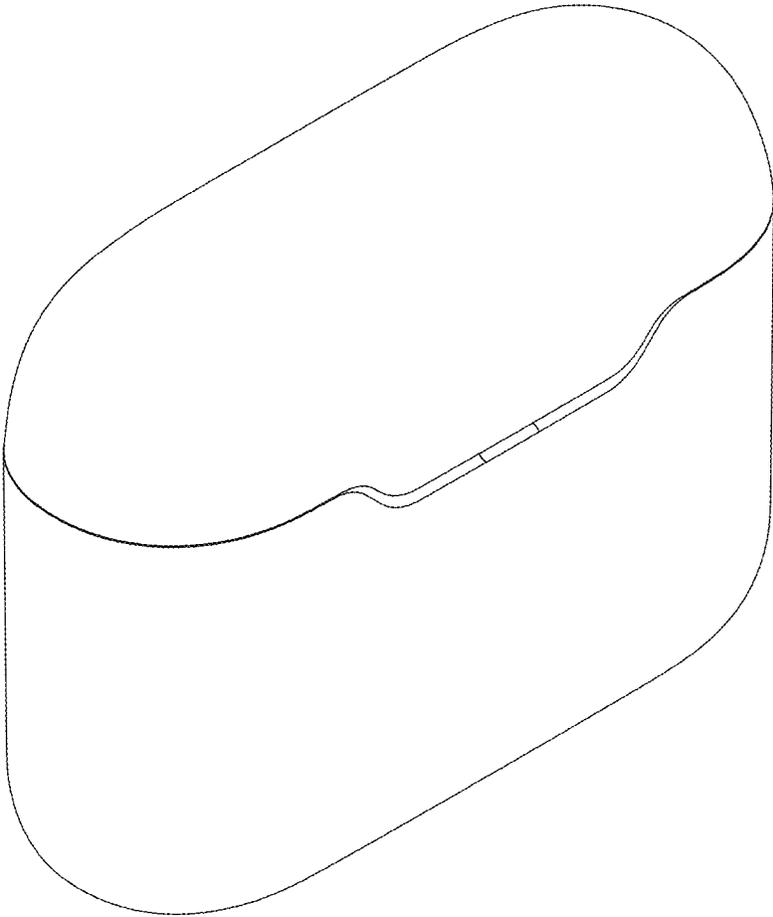


FIG. 1

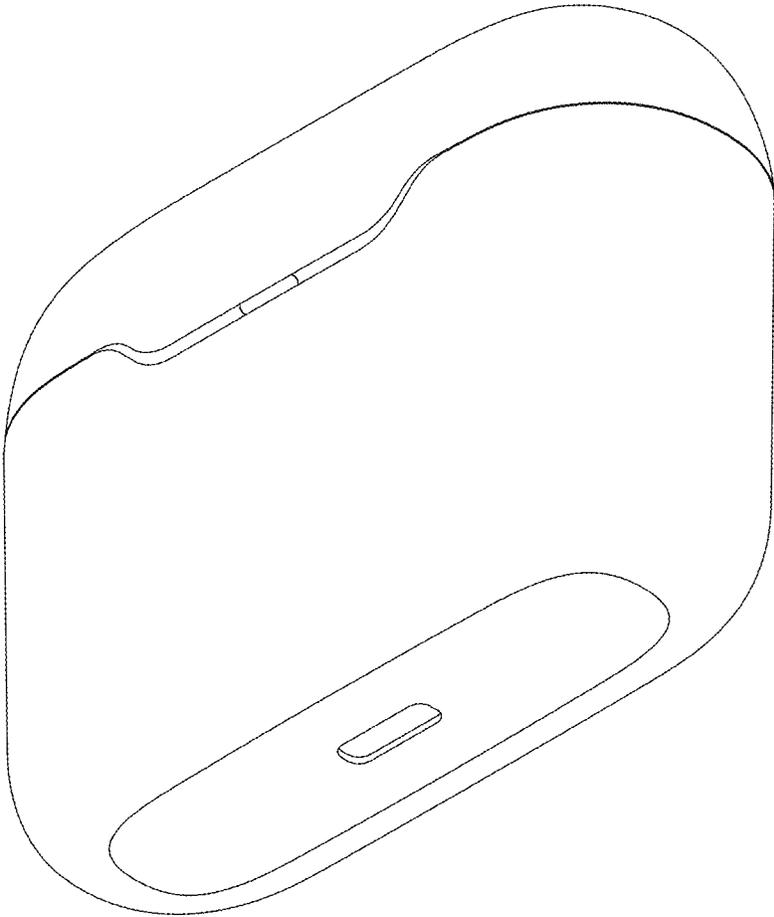


FIG. 2

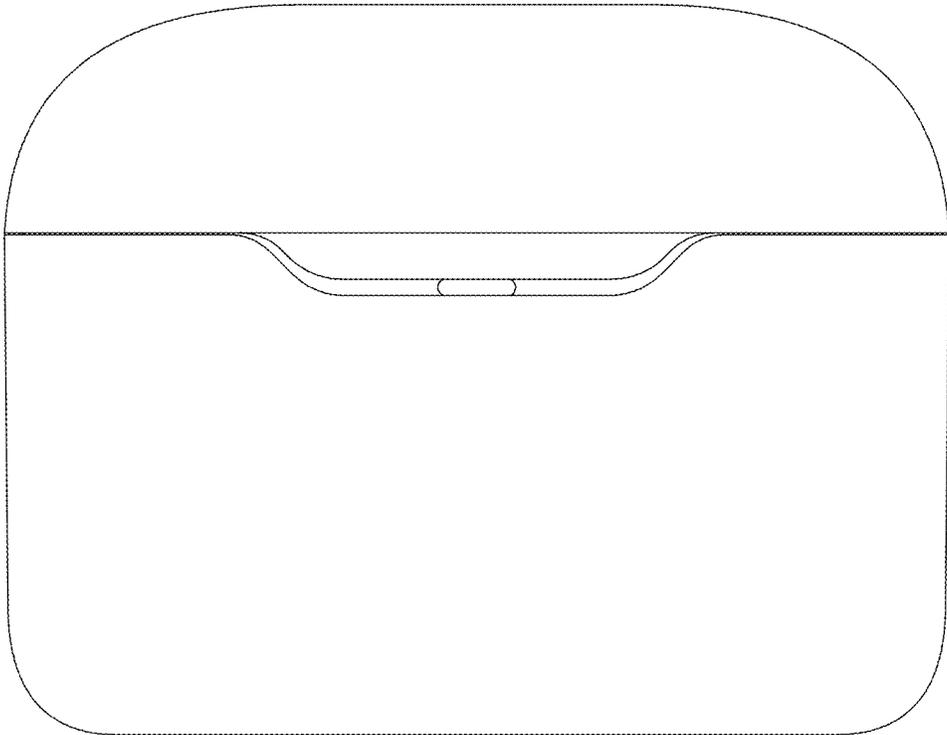


FIG. 3

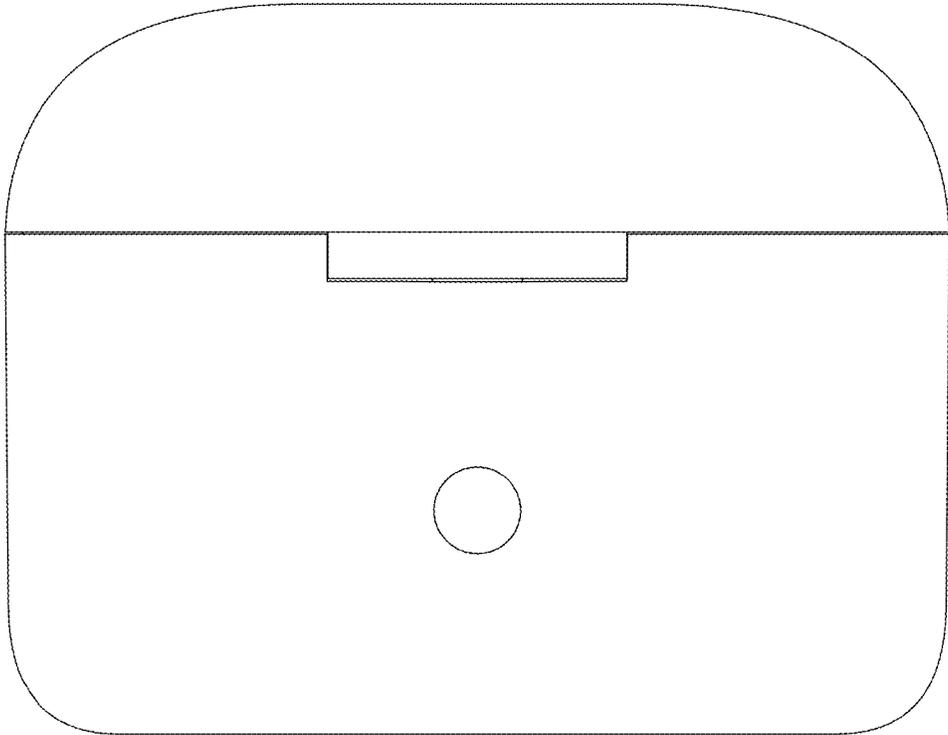


FIG. 4

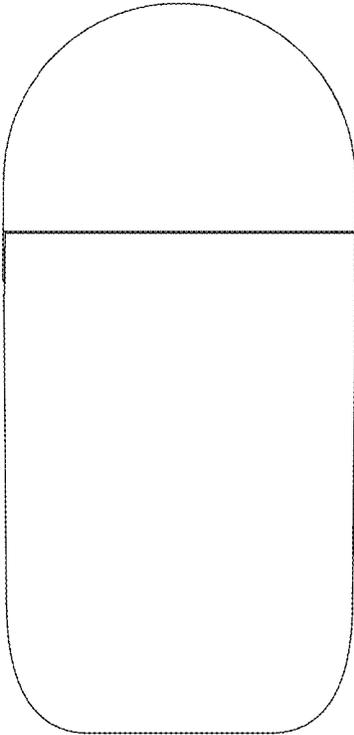


FIG. 5

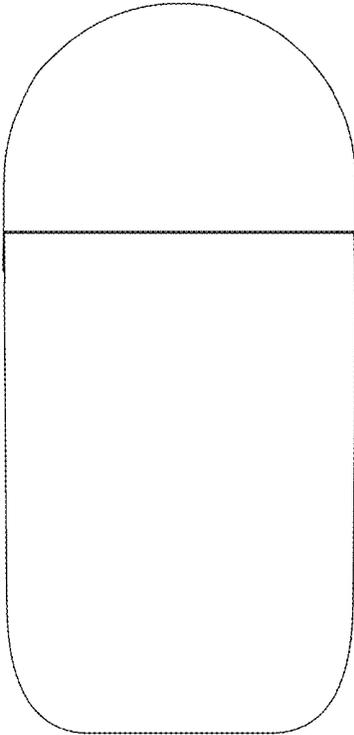


FIG. 6

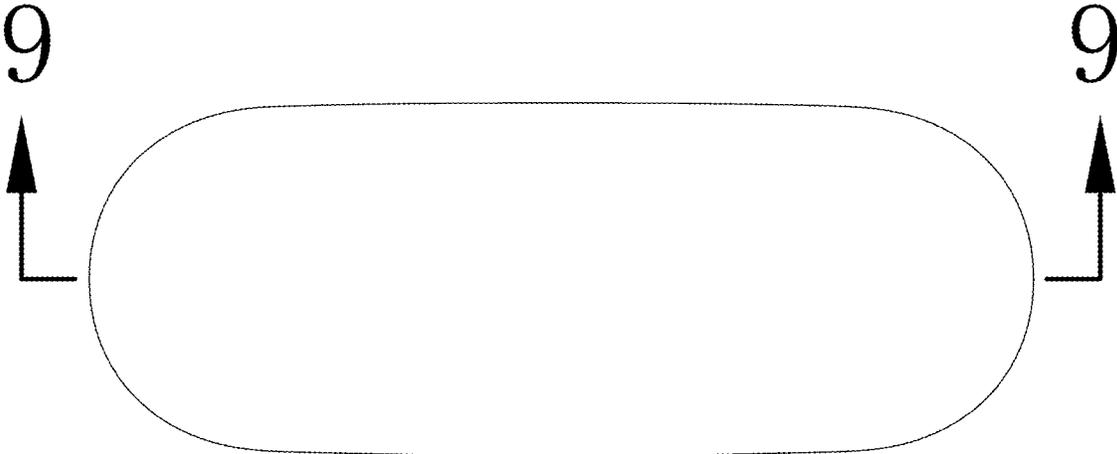


FIG. 7

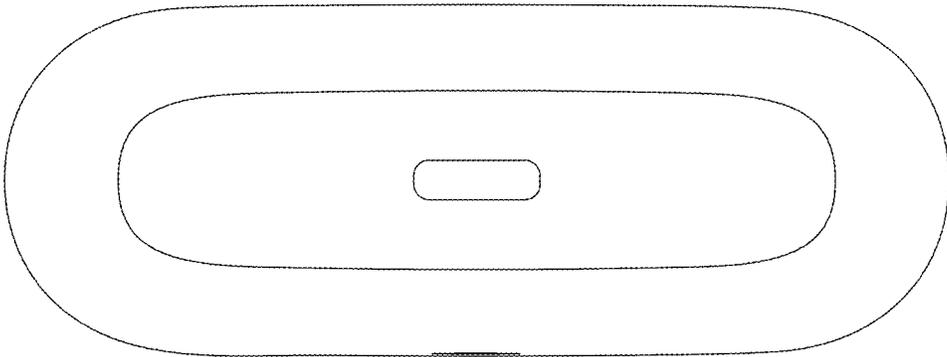


FIG. 8

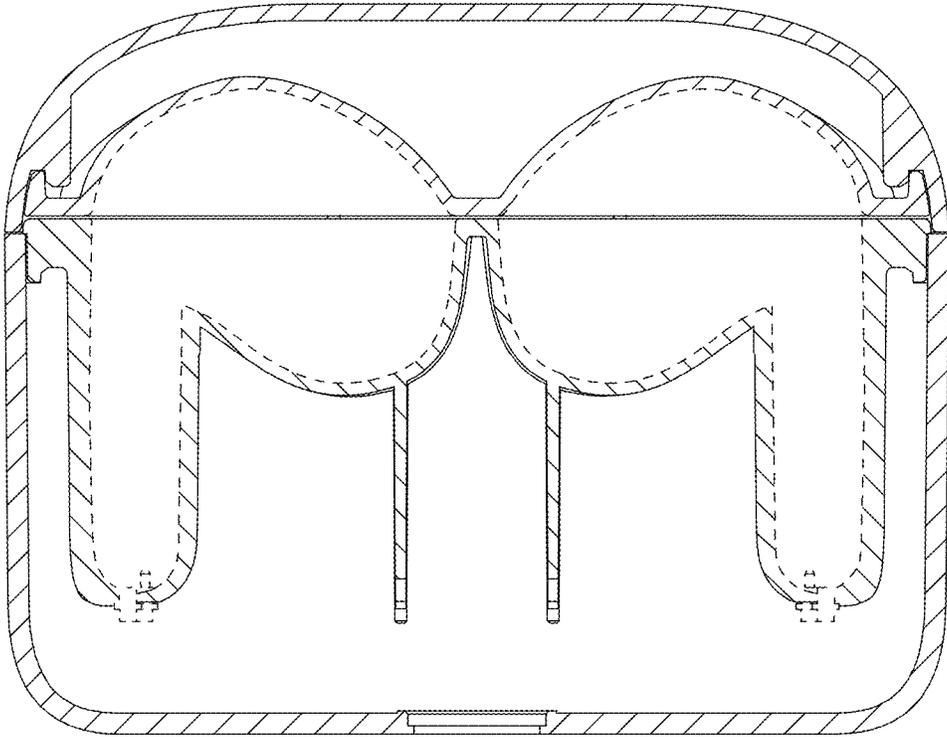


FIG. 9

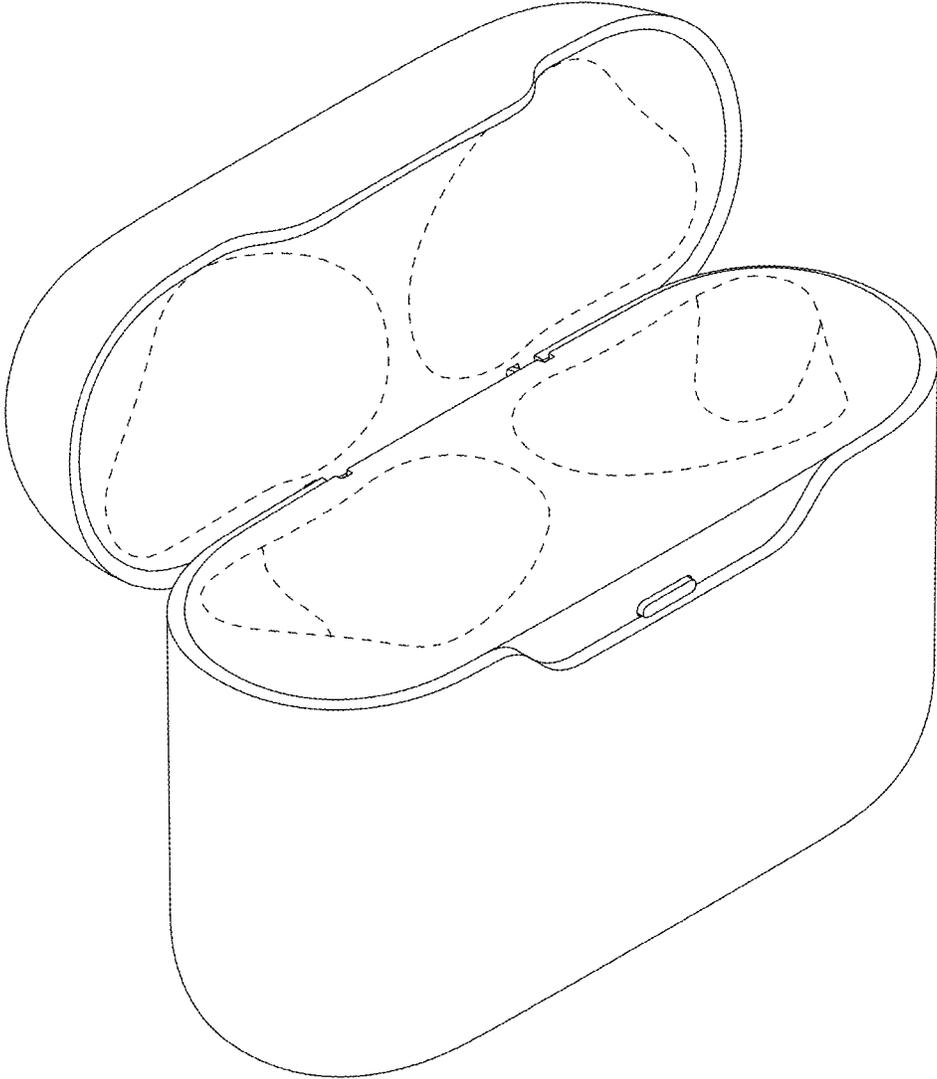


FIG. 10

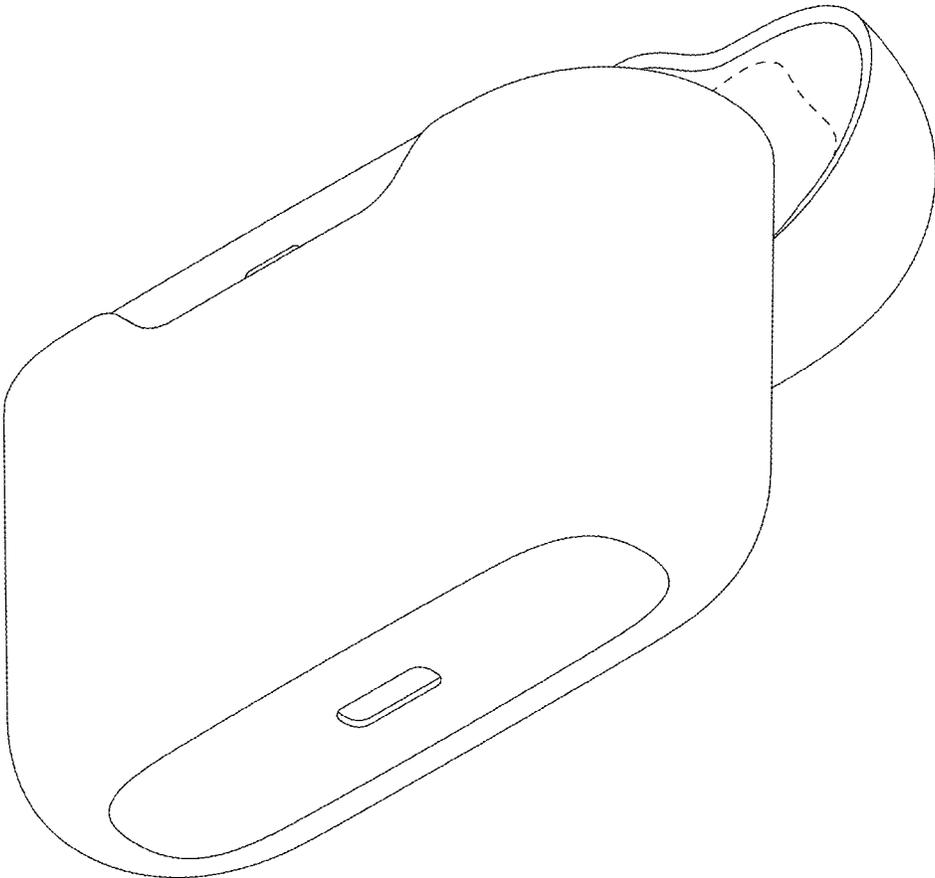


FIG. 11

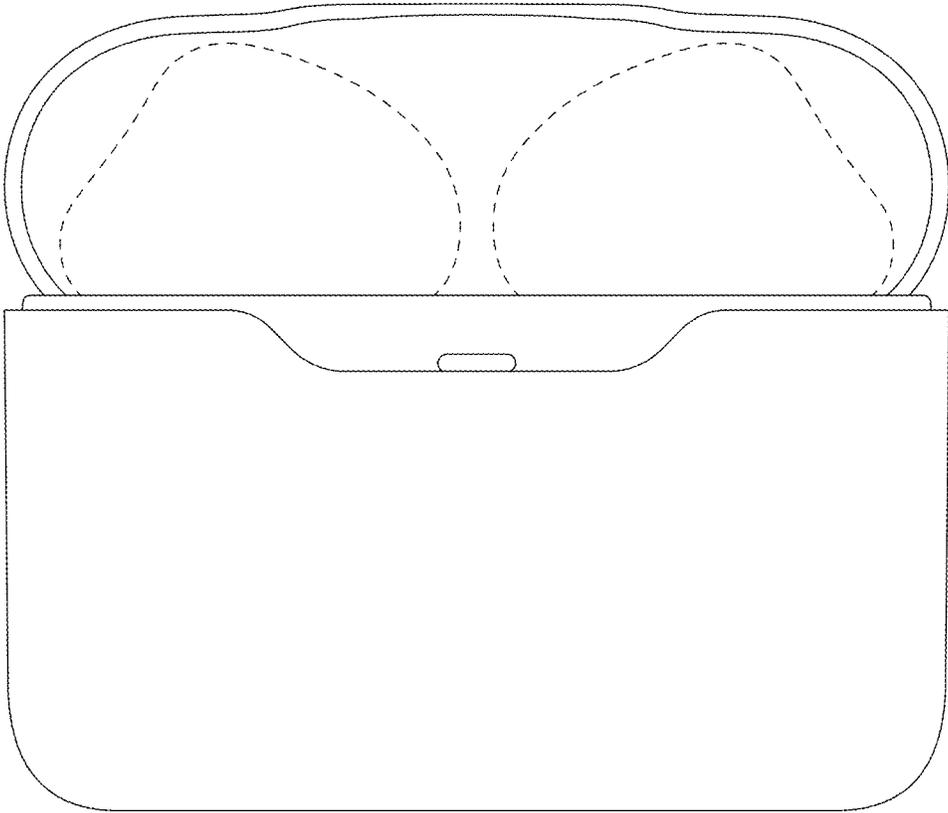


FIG. 12

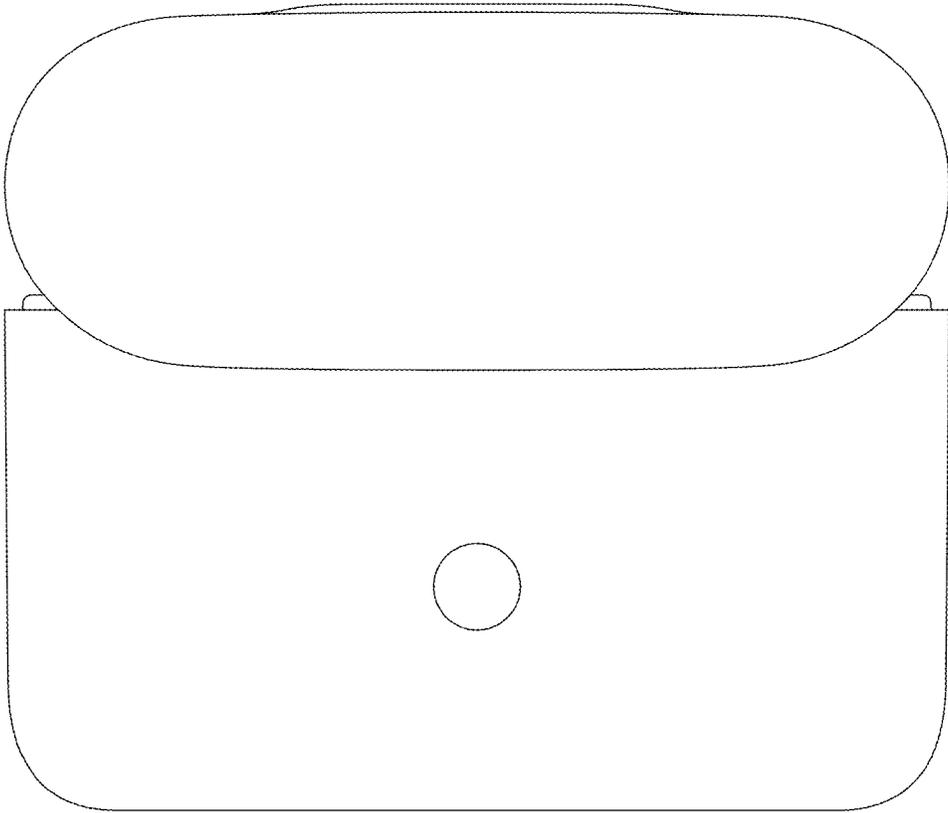


FIG. 13

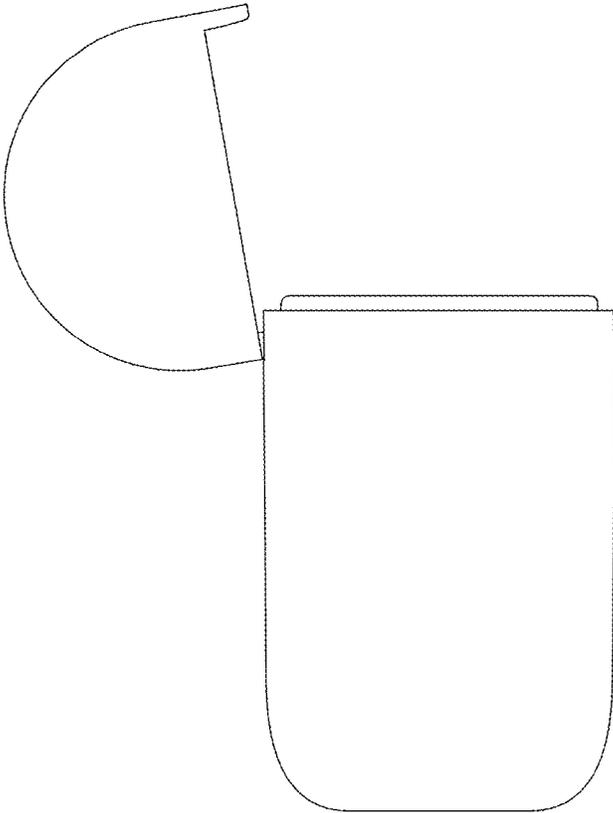


FIG. 14

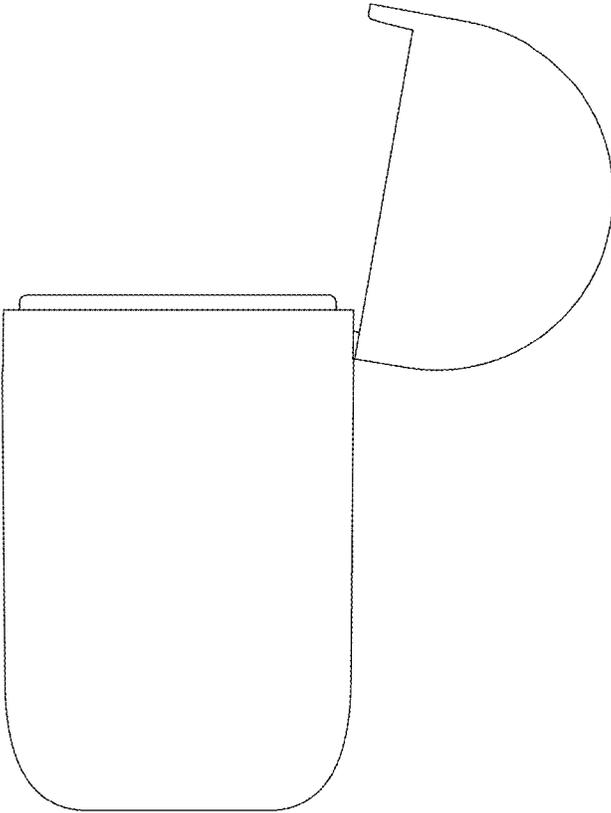


FIG. 15

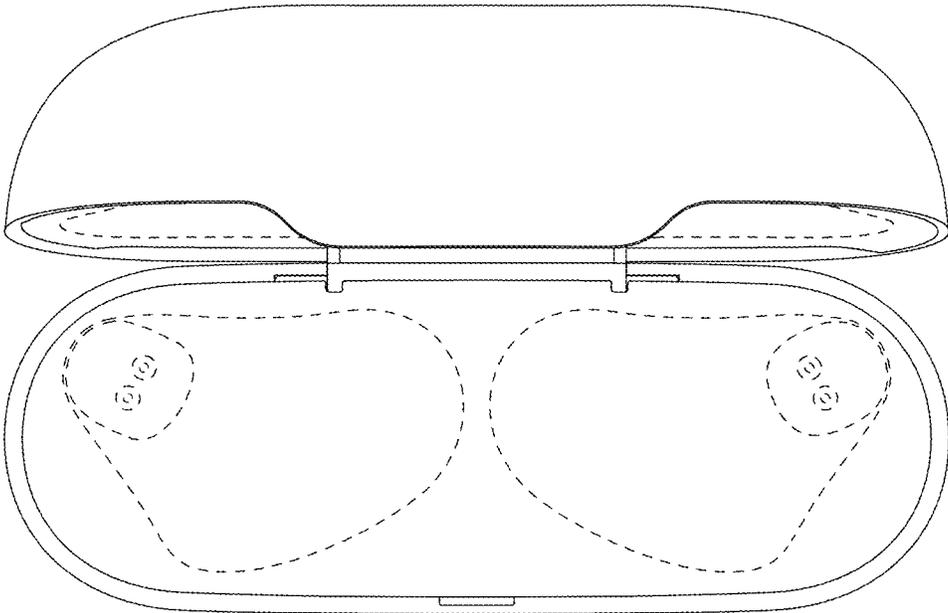


FIG. 16

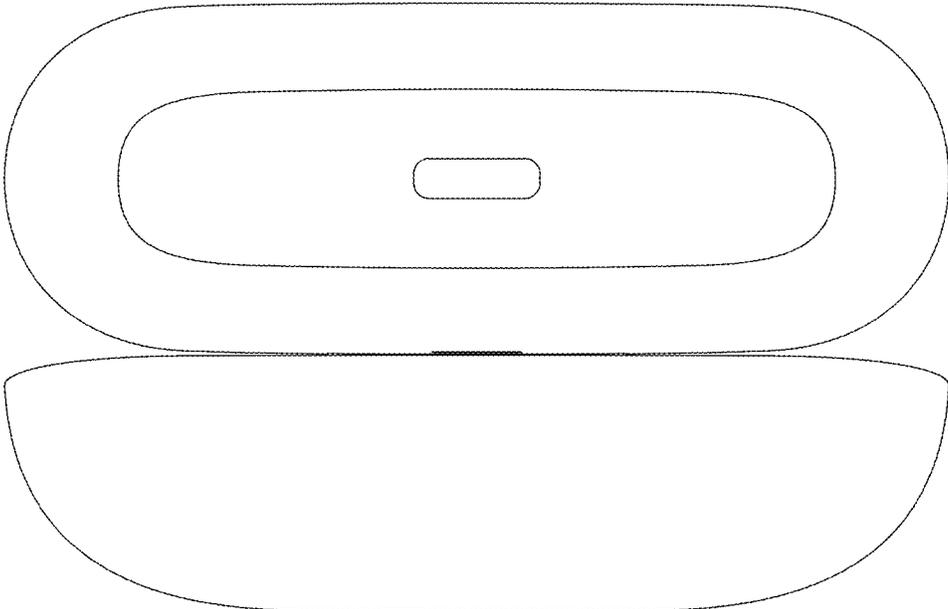


FIG. 17

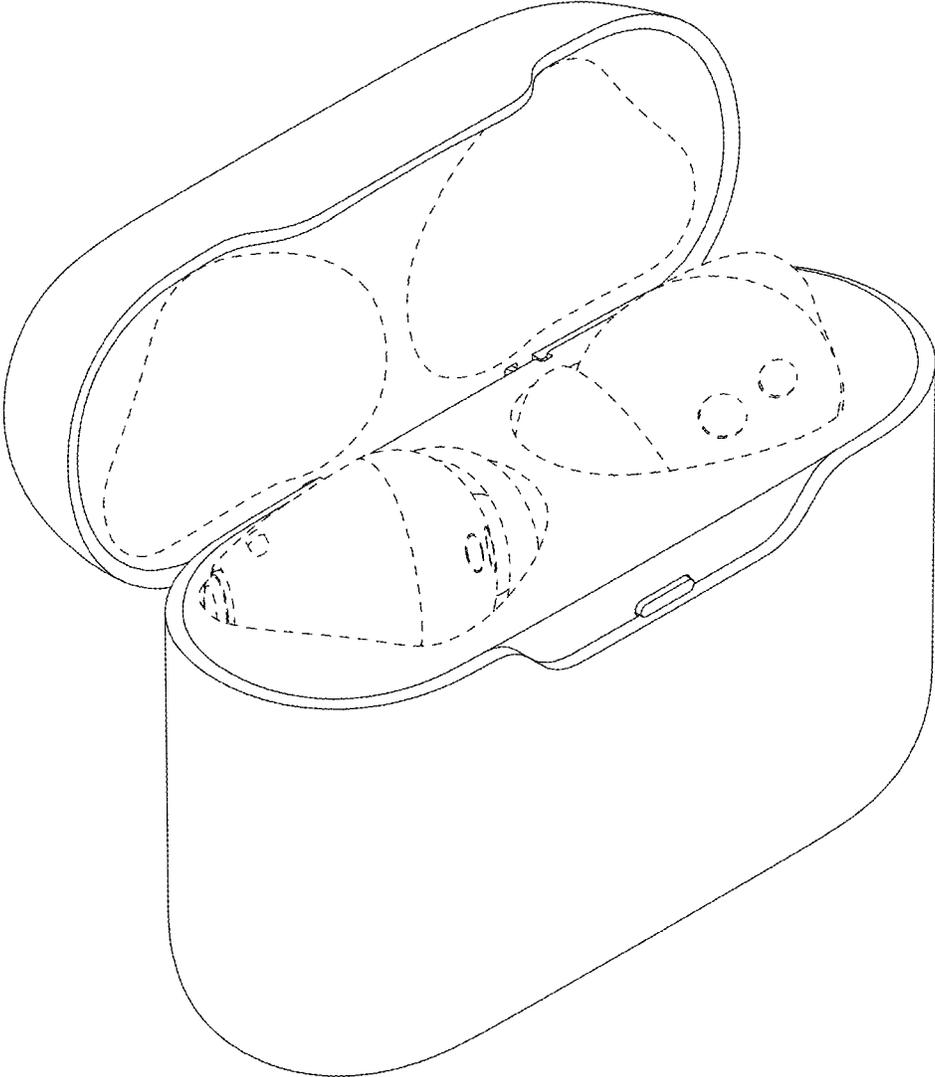


FIG. 18