



US0D1056833S

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

(10) **Patent No.:** **US D1,056,833 S**
(45) **Date of Patent:** **** Jan. 7, 2025**

- (54) **CHARGER**
- (71) Applicant: **Ranir, LLC**, Grand Rapids, MI (US)
- (72) Inventors: **Florian Hilbig**, Chicago, IL (US);
Michal Holcer, Mission Viejo, CA (US); **Kenta Kondo**, Setegaya-ku (JP);
Heeju Kim, New Orleans, LA (US);
David Vondle, Chicago, IL (US);
Bryan J. Dishon, Alto, MI (US)
- (73) Assignee: **Ranir, LLC**, Grand Rapids, MI (US)
- (**) Term: **15 Years**

D1,024,930 S * 4/2024 Feng D13/107
 D1,026,809 S * 5/2024 Lu D13/107
 D1,029,754 S * 6/2024 Feng D13/107

FOREIGN PATENT DOCUMENTS

GB 6263868 * 3/2023

OTHER PUBLICATIONS

USB Wall Charger, date referenced Dec. 15, 2021, data retrieved by Lorna Georges at <https://www.amazon.com/Charger-Charging-Adapter-Outlet-Samsung/dp/B09NN9WQ1Q?th=1> (Year: 2021).
 USB Plug, date referenced Oct. 18, 2018, data retrieved by Lorna Georges at <https://www.amazon.com/Charger-Dodoli-Adapter-Charging-Compatible/dp/B07JHZXCQD?th=1> (Year: 2018).*

* cited by examiner

Primary Examiner — Rhea Shields

Assistant Examiner — Lorna M Georges

(74) *Attorney, Agent, or Firm* — Warner Norcross + Judd LLP

(57) **CLAIM**

The ornamental design for a charger as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a charger embodying the new design;
 FIG. 2 is a front view thereof;
 FIG. 3 is a rear view thereof;
 FIG. 4 is a right side view, the left side being a mirror image thereof;
 FIG. 5 is a top view thereof; and,
 FIG. 6 is a bottom view thereof.
 FIGS. 1 and 3-6 show portions of the design in broken lines. The portions shown in broken lines form no part of the claimed design.

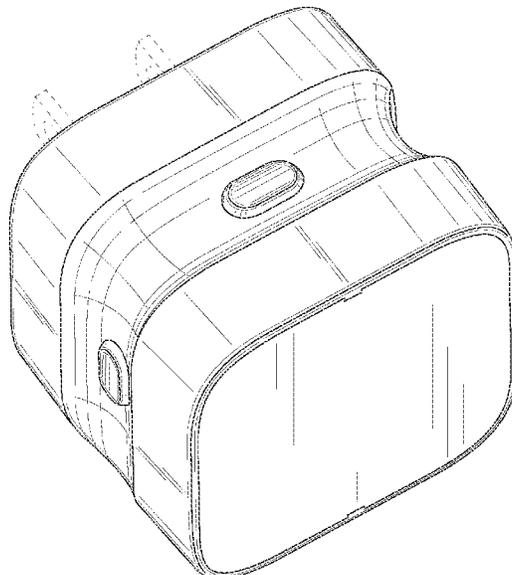
1 Claim, 4 Drawing Sheets

- (21) Appl. No.: **29/856,497**
- (22) Filed: **Oct. 14, 2022**
- (51) **LOC (15) Cl.** **13-02**
- (52) **U.S. Cl.**
USPC **D13/107**
- (58) **Field of Classification Search**
USPC D13/107, 102, 103, 108, 118, 119, 184,
D13/199, 138.2, 137.1, 137.2
CPC .. H01R 13/5825; H02J 7/0042; H02J 7/0045;
H01M 10/44
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,138,185 A * 2/1979 Jaconette, Jr. H01R 13/5825
D13/138.2
 D604,235 S * 11/2009 Tarter D13/103
 D614,129 S * 4/2010 Nysten D13/108
 D834,516 S * 11/2018 Jin D13/108
 D841,582 S * 2/2019 Tian D13/108
 D879,711 S * 3/2020 Ruiwu D13/108
 D938,909 S * 12/2021 Yuan D13/108
 D1,005,936 S * 11/2023 Fang D13/107
 D1,016,005 S * 2/2024 Zhang D13/108



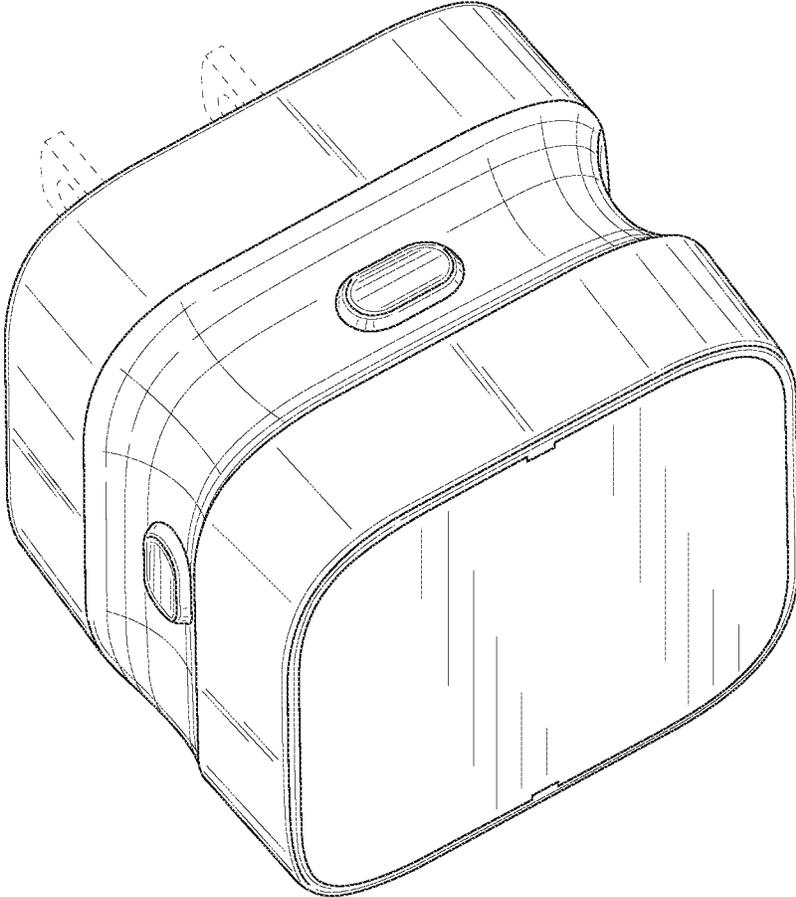


Fig. 1

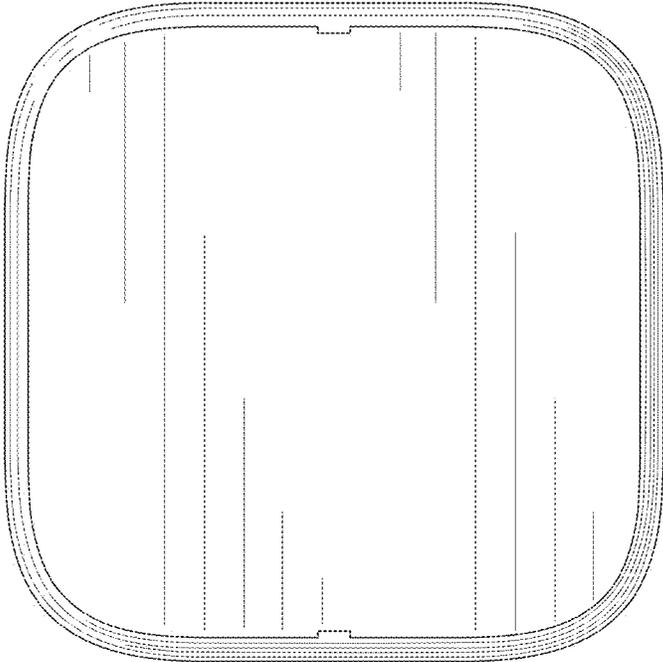


Fig. 2

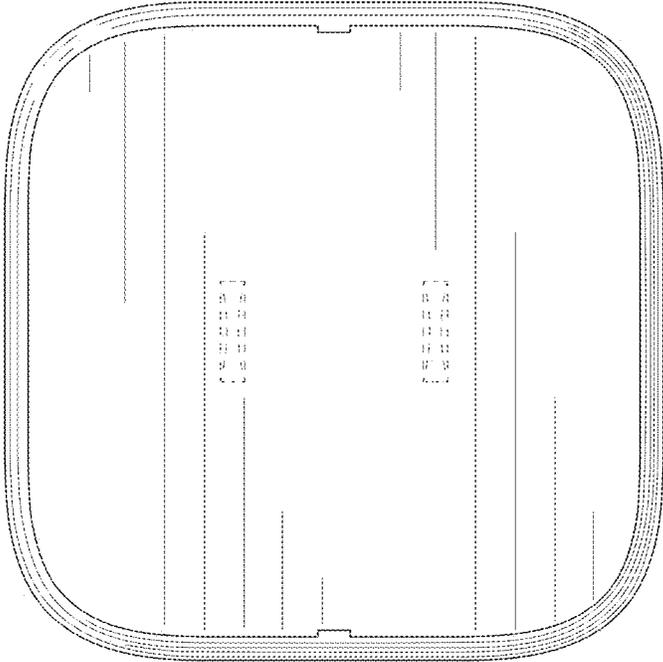


Fig. 3

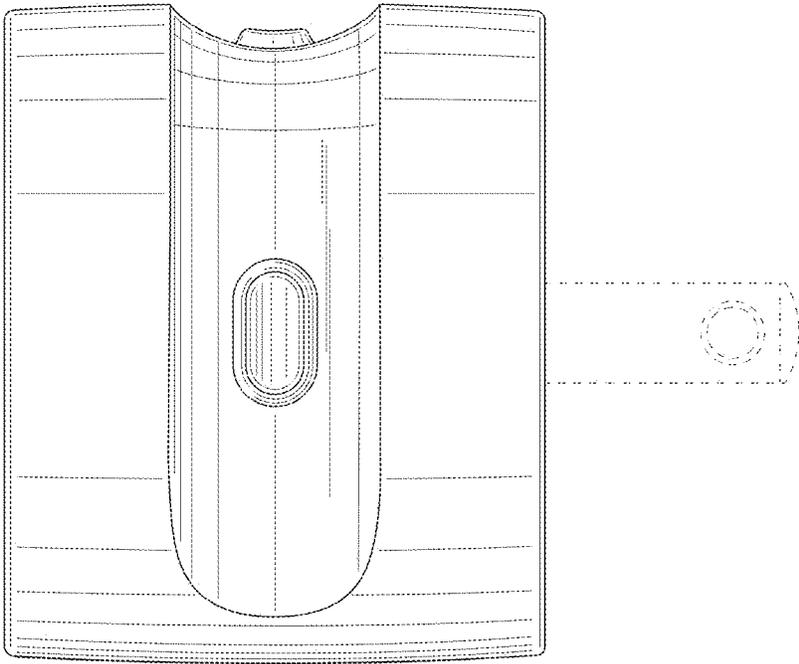


Fig. 4

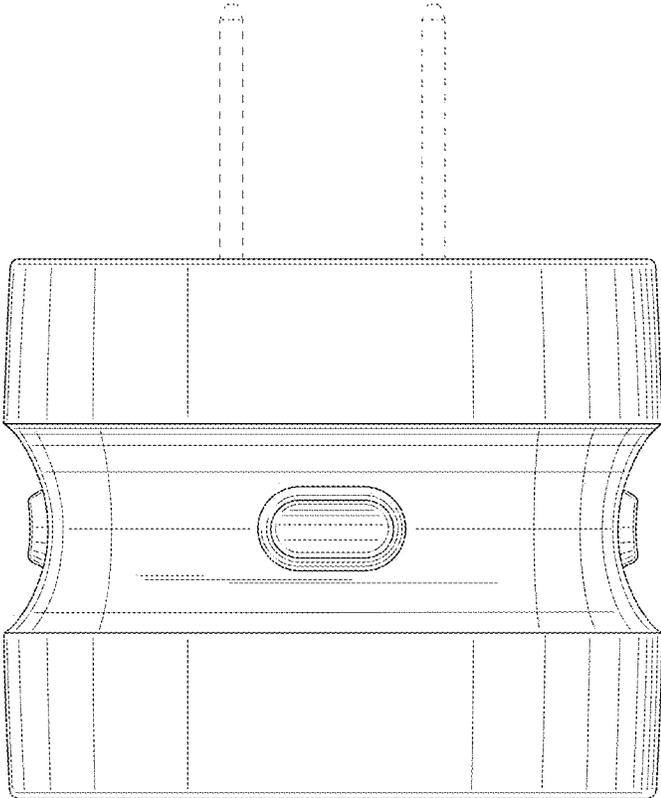


Fig. 5

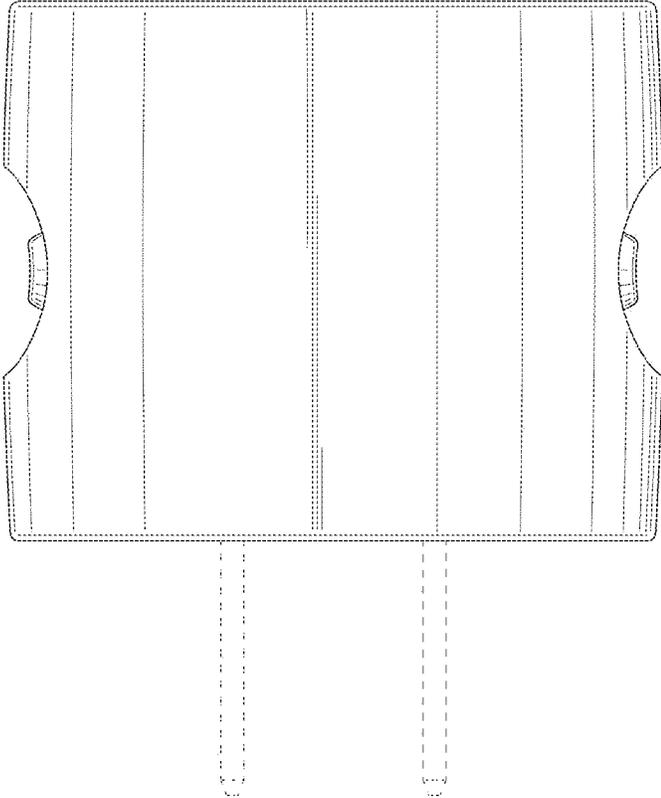


Fig. 6