



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

(10) **Patent No.:** **US D1,023,923 S**
(45) **Date of Patent:** **** Apr. 23, 2024**

- (54) **WIRELESS CHARGER**
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Eunha Choi, Suwon-si (KR)
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Suwon-si (KR)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/782,533**
- (22) Filed: **May 7, 2021**

D963,572 S * 9/2022 Sun D13/108
 2016/0079780 A1* 3/2016 Lasher H02J 7/0013
 320/101
 2022/0140630 A1* 5/2022 Song G09G 3/002
 320/108
 2023/0023690 A1* 1/2023 Hudson B60L 53/12

OTHER PUBLICATIONS

“Smart Ring”. Found online Jun. 21, 2023 at ebay.com. Reference dated Aug. 4, 2018. Retrieved from https://tineye.com/search/52cfc2d4249913238486953dfd1a27088125eb74?sort=crawl_date&order=asc&page=1. (Year: 2018).*

“Fitbit Charging Dock”. Found online Dec. 16, 2021 at lux-case.com. Reference dated Nov. 10, 2017. Retrieved from <https://tineye.com/search/675aa3f97c476edb16635e4650861908b06749e3?sort=score&order=desc&page=1>. (Year: 2017).*

(Continued)

- (30) **Foreign Application Priority Data**
- Nov. 10, 2020 (KR) 30-2020-0054130
- (51) **LOC (14) Cl.** **13-02**
- (52) **U.S. Cl.**
- USPC **D13/108**
- (58) **Field of Classification Search**
- USPC D13/103, 107, 108, 118, 119, 183;
D14/251, 252, 253, 432, 439, 447
- CPC H02J 7/0044; H02J 7/0045; H04B 1/3883
- See application file for complete search history.

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Assistant Examiner — Amanda Christensen
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(57) **CLAIM**

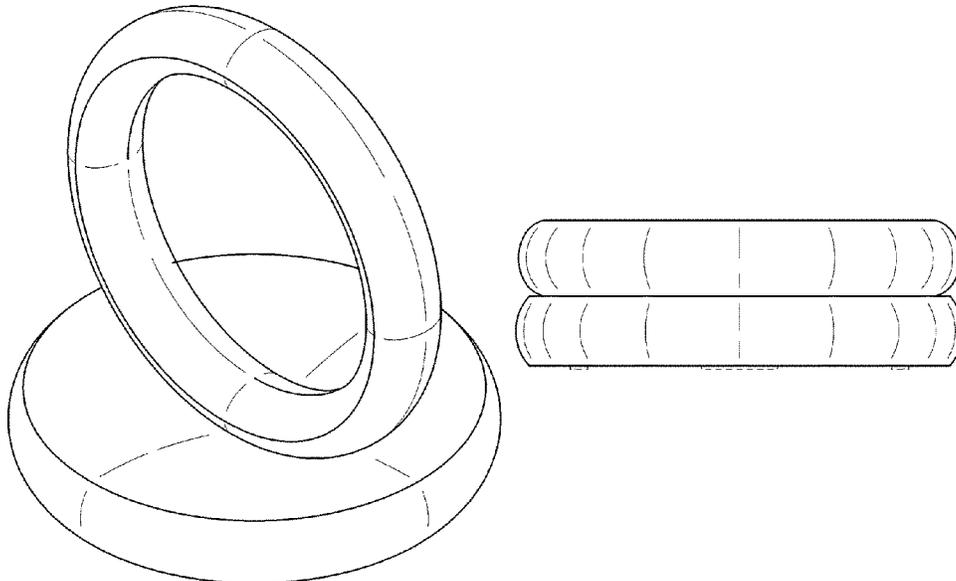
We claim the ornamental design for a wireless charger, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a wireless charger showing our new design;
 FIG. 2 is a front view thereof;
 FIG. 3 is a rear view thereof;
 FIG. 4 is a left-side view thereof;
 FIG. 5 is a right-side view thereof;
 FIG. 6 is a top view thereof;
 FIG. 7 is a bottom view thereof; and,
 FIG. 8 is another right-side view in which the wireless charger is shown in an overlapped position.
 The broken lines in the figures depict portions of a wireless charger which form no part of the claimed design.

1 Claim, 5 Drawing Sheets

- (56) **References Cited**
- U.S. PATENT DOCUMENTS**
- D509,183 S * 9/2005 Solland D13/108
- D633,038 S * 2/2011 Fahrendorff D13/108
- D685,323 S * 7/2013 Szymanski D13/108
- D782,411 S * 3/2017 Mischke D13/108
- D800,653 S * 10/2017 Smiedt D13/107
- D809,449 S * 2/2018 Zhang D14/253
- D892,044 S * 8/2020 Zhang D13/108
- D911,974 S * 3/2021 Byrne D13/139.4
- D938,353 S * 12/2021 Gan D13/108



(56)

References Cited

OTHER PUBLICATIONS

"Ebxya Wireless Charger". Found online Aug. 25, 2022 at amazon.com. Reference dated Dec. 2, 2019. Retrieved from <https://www.amazon.com/Desk-Lamp-Wireless-Charger-Multifunctional/dp/B0828DBXSY?th=1>. (Year: 2019).*

* cited by examiner

FIG.1

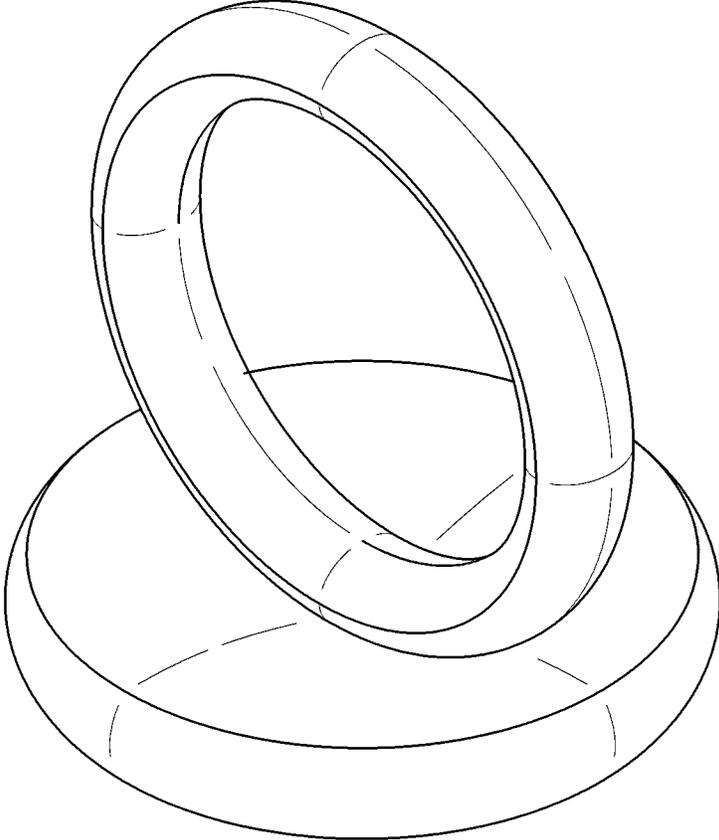


FIG.2

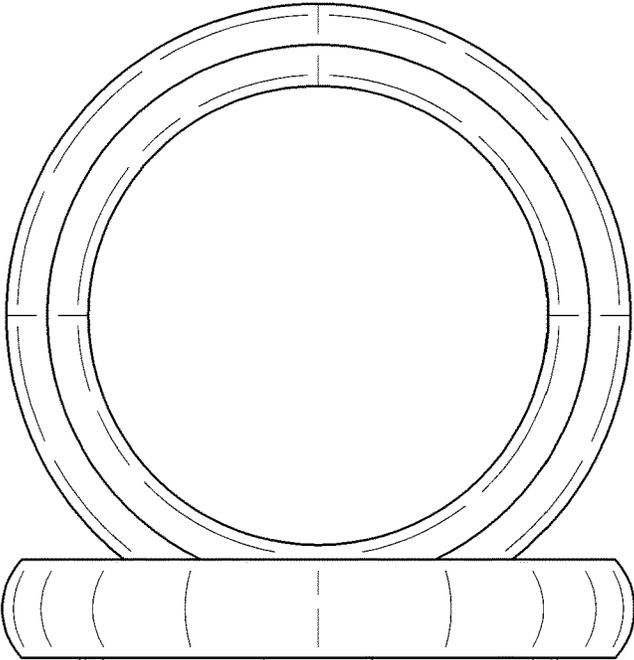


FIG.3

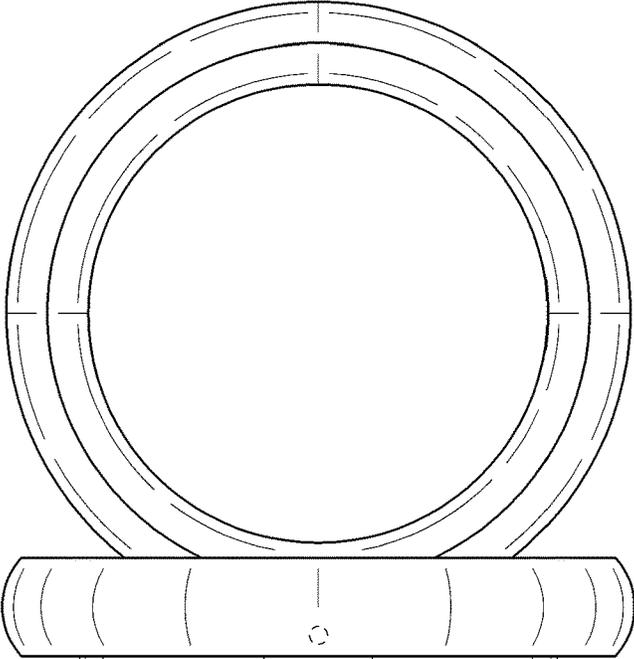


FIG.4

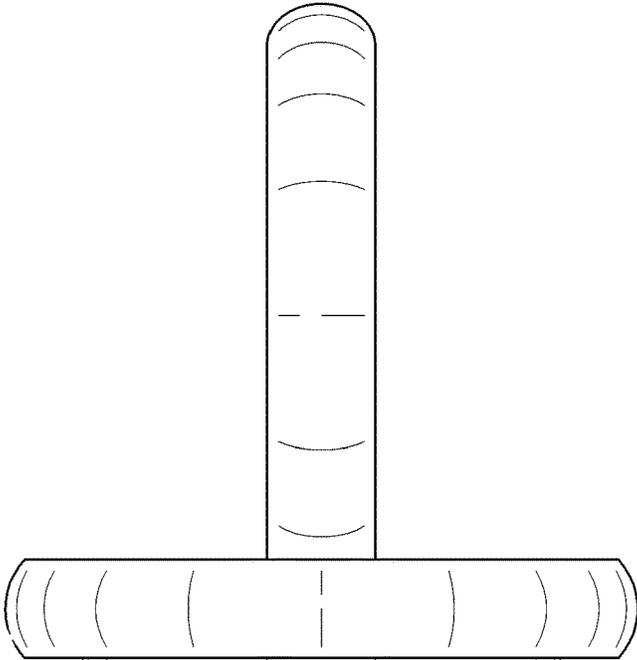


FIG.5

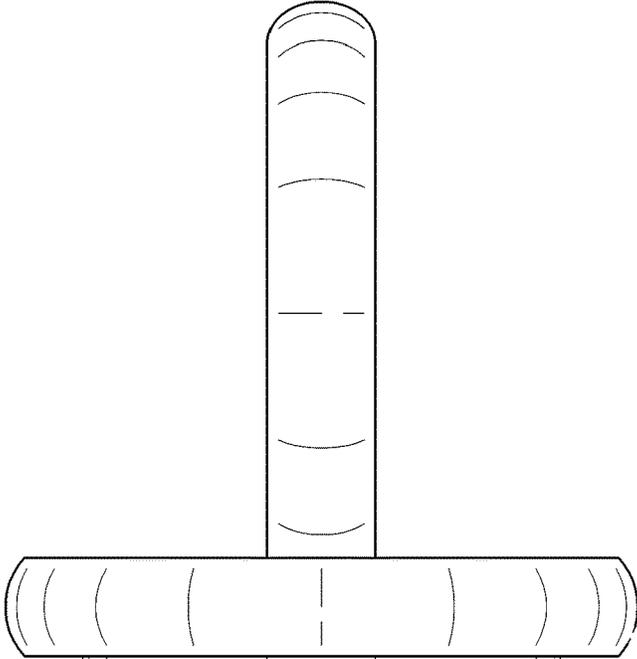


FIG.6

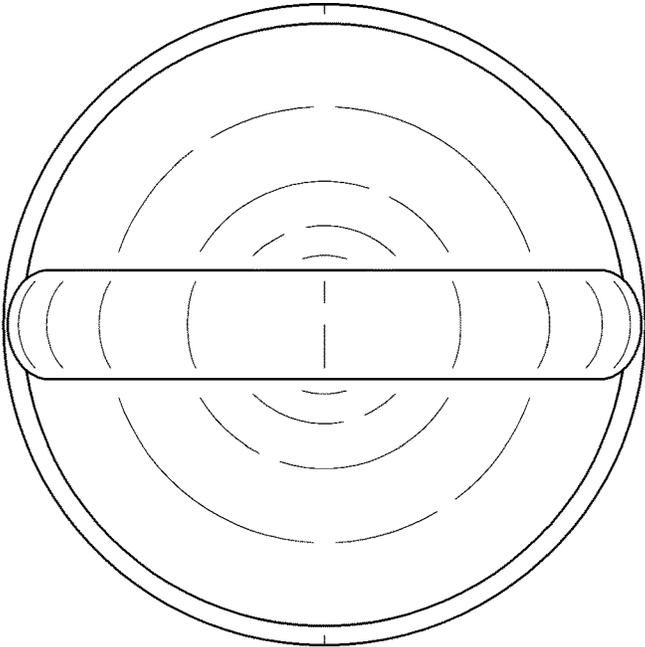


FIG.7

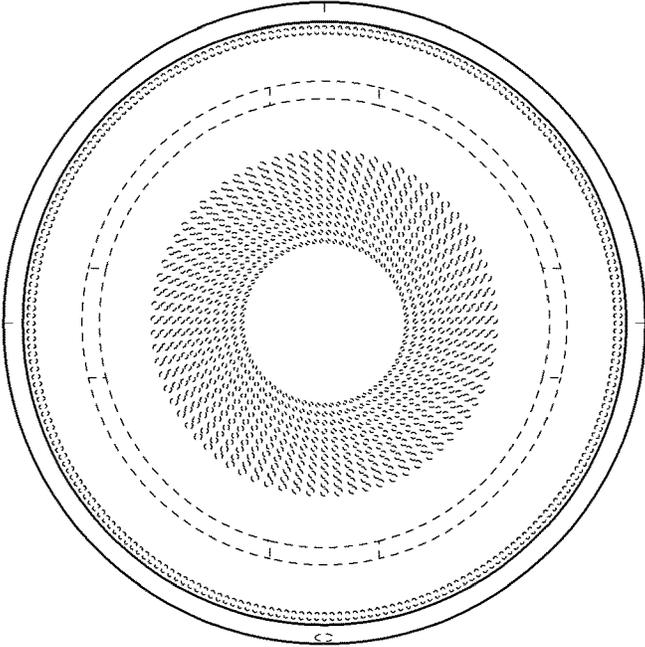


FIG.8

