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(12) **United States Design Patent** (10) **Patent No.:** **US D979,543 S**
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(54) **ANTENNA FOR WIRELESS TAG**

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(30) **Foreign Application Priority Data**

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

(52) **U.S. Cl.**
USPC **D14/230**

(58) **Field of Classification Search**

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D20/11, 22, 23; D10/104.2, 206.9,
D10/106.91

CPC A47C 3/004; H05K 9/00
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

9,070,966 B2 * 6/2015 Ng H01Q 9/285
D800,099 S * 10/2017 Lai D14/230

D803,199 S * 11/2017 Manivannan D14/230
D814,447 S * 4/2018 Forster D14/230
D816,642 S * 5/2018 Pars Benli D14/230
D819,608 S * 6/2018 Manivannan D14/230
D860,175 S * 9/2019 Man D14/230
D874,447 S * 2/2020 Howard D14/230
D911,318 S * 2/2021 Atojoko D14/230
D929,975 S * 9/2021 Abdul Rahman D14/230
11,296,412 B1 * 4/2022 He H01Q 9/285
D962,210 S * 8/2022 Shimada D14/230

(Continued)

FOREIGN PATENT DOCUMENTS

CN 307244276 * 4/2022
CN 307532176 * 9/2022

(Continued)

OTHER PUBLICATIONS

Yarongtech, "AZ 9662 860-960MHZ Alien . . ." available at Amazon.com, date first available Aug. 30, 2016, site visited Oct. 18, 2022, available at URL: <https://a.co/d/1wt86Wz> (Year: 2016).*

(Continued)

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(57) **CLAIM**

The ornamental design for antenna for wireless tag, as shown and described.

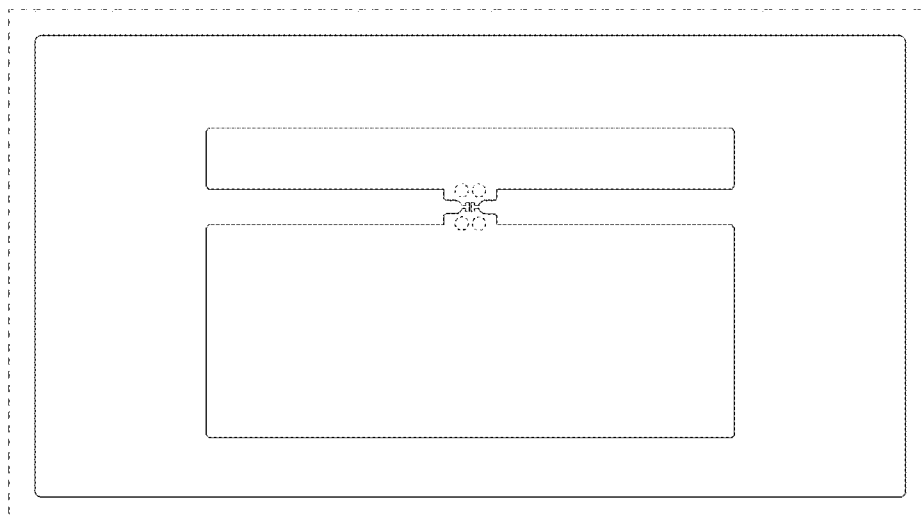
DESCRIPTION

1. Antenna for wireless tag

1.0 : Front

The portion illustrated with solid lines is the portion for which design registration is sought; the dashed lines shown in the drawing represent portions of the antenna for wireless tag that form no part of the claimed design; a back view is omitted because it is a mirror image of the front view.

1 Claim, 1 Drawing Sheet



(56)

References Cited

U.S. PATENT DOCUMENTS

2010/0302013 A1 * 12/2010 Kato G06K 19/07767
235/492
2012/0229348 A1 * 9/2012 Chiang H01Q 1/2266
343/702

FOREIGN PATENT DOCUMENTS

CN 307569934 * 9/2022
JP D1716627 * 6/2022
KR 301183276.0000 * 9/2022
WO D218153-001 * 6/2022

OTHER PUBLICATIONS

Alien, "RFID Tag White Wet Inlay Squiggle . . ." available at
rfmobistore.com, date published Nov. 17, 2017, site visited Oct. 18,
2022, available at URL: https://rfmobistore.com/products/alien-squiggle-rfid-white-wet-inlay-aln-9840-higgs-ec?gclid=EAIaIQobChMzNjanrq-glVBYjlCh0mZQvQEAQYBiABEgID5PD_BwE (Year: 2017).*

* cited by examiner

