



US00D769228S

(12) **United States Design Patent**
Gillon

(10) **Patent No.:** **US D769,228 S**

(45) **Date of Patent:** **** Oct. 18, 2016**

- (54) **ANTENNA**
- (71) Applicant: **R.R. Donnelley & Sons Company**,
Chicago, IL (US)
- (72) Inventor: **Adam J. Gillon**, Amherst, NY (US)
- (73) Assignee: **R.R. Donnelley & Sons Company**,
Chicago, IL (US)

- 8,378,912 B2 * 2/2013 Nishino H01Q 1/3241
343/788
- 8,446,332 B2 * 5/2013 Homan A61B 1/00016
343/718
- D692,869 S 11/2013 Gladstone
- D694,737 S * 12/2013 Bufo D14/230
- D709,052 S * 7/2014 Forster D14/230
- D709,863 S * 7/2014 Forster D14/230

(Continued)

(**) Term: **14 Years**

(21) Appl. No.: **29/507,213**

(22) Filed: **Oct. 24, 2014**

(51) **LOC (10) Cl.** **14-03**

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

(58) **Field of Classification Search**
USPC D14/230–238, 299, 358; 343/700 R,
343/733, 747–748, 753
CPC H01Q 7/00; H01Q 13/10; H01Q 9/285;
H01Q 19/30; H01Q 19/12; H01Q 1/38;
H04B 1/0475; H04B 1/034; H05K 11/00;
G06K 1/00; G06K 1/125
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,855,184 A * 4/1932 Fisher H01Q 21/06
343/748
- 7,026,997 B2 * 4/2006 Rahola H01Q 1/243
343/700 MS
- D535,647 S 1/2007 Hall et al.
- D582,904 S * 12/2008 Martinez D14/230
- 7,545,328 B2 * 6/2009 Son H01Q 1/22
343/700 MS
- D611,037 S 3/2010 Oliver
- D617,320 S 6/2010 Oliver
- D620,928 S 8/2010 Oliver
- D645,459 S 9/2011 Ni
- 8,217,849 B2 7/2012 Sardariani et al.

FOREIGN PATENT DOCUMENTS

- CN 301853470 * 7/2012
- CN 302716326 * 1/2014
- JP D1399172 * 10/2010

OTHER PUBLICATIONS

Impinj H42 sticky RFID label/inlay,RFID label/tag factory, website copyright 2012, online, http://www.zotei.com/RFID_label/UHF_RFID_tag/Impinj-H42.html, [site visited Nov. 11, 2015 8:17:27 PM].*

(Continued)

Primary Examiner — John Windmuller
Assistant Examiner — John R Yeh
(74) *Attorney, Agent, or Firm* — McCracken & Gillen LLC

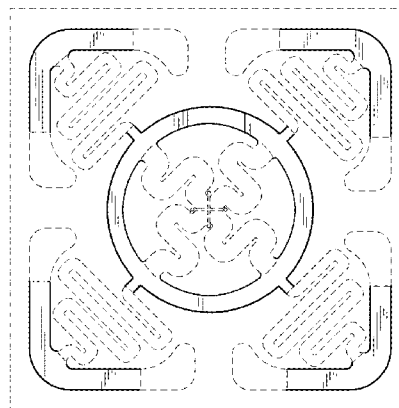
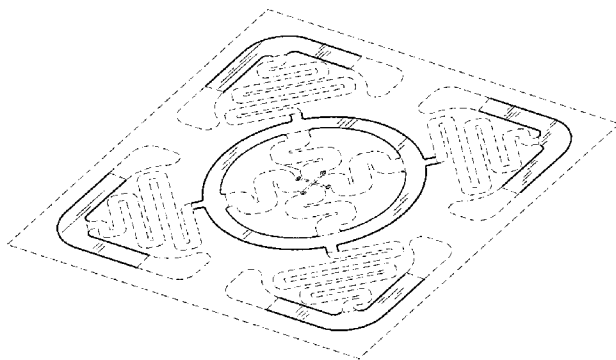
(57) **CLAIM**

The ornamental design for an antenna, as shown and described herein.

DESCRIPTION

FIG. 1 is a top isometric view of an ornamental design for an antenna; and, FIG. 2 is a top plan view of the antenna of FIG. 1. The subject matter shown in dashed lines is for illustrative purposes only and forms no part of the claimed invention.

1 Claim, 1 Drawing Sheet



(56)

References Cited

U.S. PATENT DOCUMENTS

2002/0024468 A1 * 2/2002 Palmer H01Q 1/08
343/702
2004/0135727 A1 * 7/2004 Werner H01Q 21/061
343/700 MS
2004/0217916 A1 * 11/2004 Quintero Illera H01Q 1/36
343/895
2010/0053010 A1 * 3/2010 Shtrom H01Q 9/285
343/749
2011/0095960 A1 * 4/2011 Shtrom H01Q 1/38
343/893
2012/0274531 A1 * 11/2012 Harper H01Q 9/28
343/798
2013/0181882 A1 * 7/2013 Shtrom H01Q 3/24
343/893
2014/0266962 A1 * 9/2014 Dupuy H03D 1/08
343/852
2015/0311599 A1 * 10/2015 Shtrom H01Q 9/285
343/833

OTHER PUBLICATIONS

Impinj H47 sticky RFID label/inlay, RFID label/tag factory, website copyright 2012, online, http://www.zotei.com/RFID_label/UHF_RFID_tag/Impinj-H47.html, [site visited Nov. 11, 2015 8:36:01 PM].*

Lab ID presented a new EPC Gen 2 RFID inlay with exceptional orientation insensitivity, post date May 9, 2011, online, <http://www.veryfields.net/lab-id-presented-a-new-rfid-inlay-with-exceptional-orientation-insensitivity>, [site visited Nov. 11, 2015 8:26:47 PM].*
Down with murder inc. anti-RFID rant, website copyright 2015, online, http://www.declarepeace.org.uk/captain/murder_inc/site/smartcards.html, [site visited Nov. 11, 2015 5:29:18 PM].*
Chunfang Qin, et al., Dual-Dipole UHF RFID Tag Antenna with Quasi-Isotropic Patterns Based on Four-Axis Reflection Symmetry; downloaded from <http://downloads.hindawi.com/journals/ijap/2013/194145.pdf> on Feb. 18, 2015; believed to be available before Sep. 26, 2014.
XC-TF8038 Inlay Datasheet; downloaded from http://en.invengo.cn/products_detail/&productId-161.html on Feb. 18, 2015; believed to be available before Sep. 26, 2014.
Laxcen-H47TM Dry Inlay Datasheet; downloaded from <http://www.laxcen.com/pdf/datasheet/impinj/Impinj-H47%20Dry%20Inlay.pdf> on Feb. 18, 2015; believed to be available before Sep. 26, 2014.
Smartrac Frog-3D Datasheet; downloaded from https://www.smartrac-group.com/files/content/Products_Services/Datasheet/1_Inlay_and_Tags/1_1_Inlays_and_Labels/UHF/PDF/Frog3D_M4.pdf on Feb. 18, 2015; believed to be available before Sep. 26, 2014.
Monza 4 Antenna Reference Designs; Mar. 8, 2012.

* cited by examiner

FIG. 1

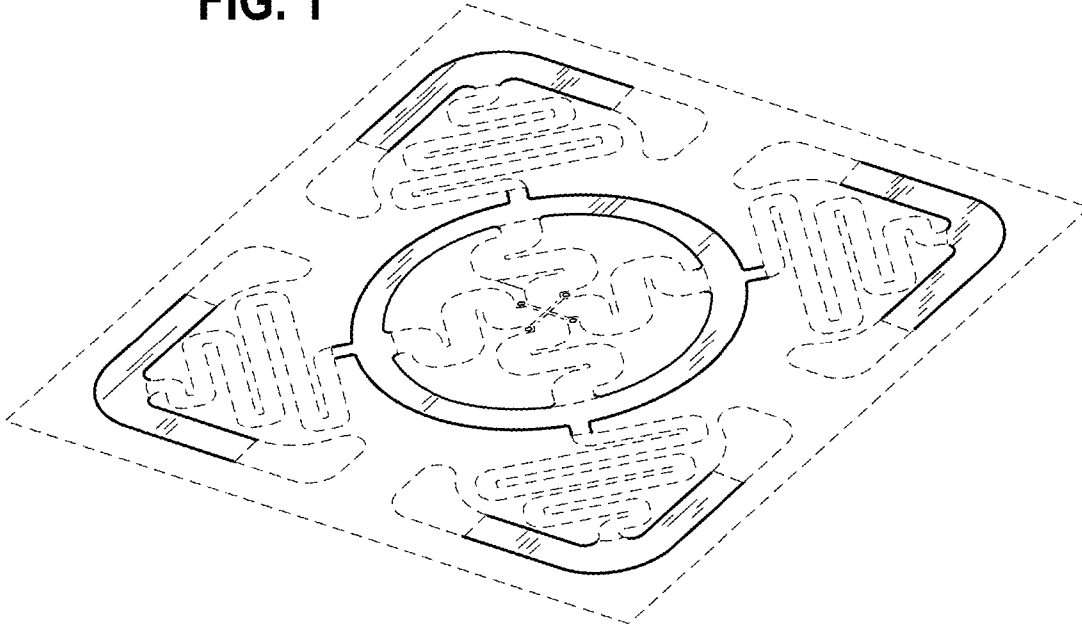


FIG. 2

