



US00D847796S

(12) **United States Design Patent** (10) **Patent No.:** **US D847,796 S**
Manivannan et al. (45) **Date of Patent:** **** *May 7, 2019**

(54) **RADIO FREQUENCY IDENTIFICATION ANTENNA**

(71) Applicant: **VORBECK MATERIALS CORP.**, Jessup, MD (US)

(72) Inventors: **Sriram Manivannan**, Chennai (IN); **Mathew A Hudspeth**, Cantonsville, MD (US); **Jeremy D Smith**, Annapolis, MD (US); **Larry Hurzon**, Alexandria, VA (US)

(73) Assignee: **Vorbeck Materials Corp.**, Jessup, MD (US)

(*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/515,205**

(22) Filed: **Jan. 20, 2015**

(51) **LOC (11) Cl.** **14-03**

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

(58) **Field of Classification Search**
USPC D14/203–238, 138, 358; D12/42–43
CPC H01Q 1/12; H01Q 1/00; H01Q 1/007; H01Q 1/084; H01Q 1/088; H01Q 1/10; H01Q 7/00; H01Q 13/10; H01Q 9/285; H01Q 19/30; H01Q 19/12; H01Q 1/38; H04B 1/0475; H04B 1/034; H04B 10/00; H04B 13/00; H04B 14/00; H05K 11/00
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D590,379 S * 4/2009 Deguchi D14/230
D606,057 S * 12/2009 Oliver D14/230

2006/0273865 A1* 12/2006 Timofeev H01P 1/184
333/161
2007/0225033 A1* 9/2007 Yoon H01Q 1/2216
455/552.1
2011/0306296 A1* 12/2011 Takahashi G06K 7/10336
455/41.1
2013/0306725 A1* 11/2013 Chen G06K 7/10336
235/439
2014/0118212 A1* 5/2014 Lee H01Q 1/246
343/795
2014/0266962 A1* 9/2014 Dupuy H03D 1/08
343/852
2014/0300526 A1* 10/2014 Rahman H01Q 7/00
343/867
2015/0076238 A1* 3/2015 Koskelainen H01Q 1/2225
235/492
2015/0155635 A1* 6/2015 Liu H01Q 15/0053
343/840

* cited by examiner

Primary Examiner — Karen Kearney
Assistant Examiner — Debra Callahan

(74) *Attorney, Agent, or Firm* — Trentice V. Bolar

(57) **CLAIM**

The ornamental design for a radio frequency identification antenna, as shown and described.

DESCRIPTION

The FIGURE is a top view of a radio frequency identification antenna of the new design. The solid black areas constitute the entirety of the claimed design. All elements of the claimed design are flat and coplanar.

1 Claim, 1 Drawing Sheet



