



US00D649961S

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

(10) **Patent No.:** **US D649,961 S**

(45) **Date of Patent:** **\*\* Dec. 6, 2011**

(54) **MULTI-BAND ANTENNA**

(75) Inventors: **Yi-Feng Huang**, New Taipei (TW);  
**Jia-Hung Su**, New Taipei (TW); **Kai Shih**, New Taipei (TW)

(73) Assignee: **Cheng Uei Precision Industry Co., Ltd.**, New Taipei (TW)

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

(21) Appl. No.: **29/396,397**

(22) Filed: **Jun. 29, 2011**

(51) **LOC (9) Cl.** ..... **14-03**

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

(58) **Field of Classification Search** ..... D14/138,  
D14/230-238, 299, 358; D12/42, 43; 343/700 MS,  
343/700 R-705, 711-713, 735, 736, 741,  
343/748, 767, 795, 819, 840, 846, 866, 871-908;  
455/90.2, 90.3, 91, 128, 269, 344, 347, 562.1;  
333/193, 195

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D589,035 S \* 3/2009 Hellgren ..... D14/230  
D633,900 S \* 3/2011 Tsai et al. .... D14/230

7,928,912 B2 \* 4/2011 Chen et al. .... 343/700 MS  
2008/0106471 A1 \* 5/2008 Yeh ..... 343/700 MS  
2008/0136711 A1 \* 6/2008 Lai et al. .... 343/700 MS  
2009/0027275 A1 \* 1/2009 Su et al. .... 343/700 MS  
2010/0026594 A1 \* 2/2010 Yang et al. .... 343/702  
2010/0079350 A1 \* 4/2010 Lai et al. .... 343/843  
2010/0253580 A1 \* 10/2010 Yan et al. .... 343/700 MS  
2010/0328182 A1 \* 12/2010 Wong et al. .... 343/848  
2011/0001681 A1 \* 1/2011 Hsu ..... 343/860

\* cited by examiner

*Primary Examiner* — Celia A. Murphy

*Assistant Examiner* — John Windmuller

(74) *Attorney, Agent, or Firm* — WPAT, P.C.; Anthony King

(57) **CLAIM**

The ornamental design for a multi-band antenna, as shown and described.

**DESCRIPTION**

The FIGURE is a front elevation view of a multi-band antenna showing our new design.

The design is so thin that it is barely discernable in top, bottom, and side views. All elements of the design are flat and coplanar with each other. The contiguous shaded area is the only area that is claimed.

The broken line portion of the figure is included to show unclaimed subject matter only and forms no part of the claimed design.

**1 Claim, 1 Drawing Sheet**



