



US00D664128S

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

(10) **Patent No.:** **US D664,128 S**
(45) **Date of Patent:** **** Jul. 24, 2012**

(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.: **29/409,760**

(22) Filed: **Dec. 28, 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, 741, 748, 767,
343/795, 819, 840, 846, 866, 871–908; 455/90.2,
455/90.3, 91, 128, 269, 344, 347, 562.1;
333/193, 195

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D572,243 S * 7/2008 Lin et al. D14/230
7,570,215 B2 * 8/2009 Abramov et al. 343/700 MS

D608,769 S * 1/2010 Bufo D14/230
7,839,350 B2 * 11/2010 Nagai 343/850
D654,058 S * 2/2012 Mi et al. D14/230
D654,059 S * 2/2012 Mi et al. D14/230
D654,060 S * 2/2012 Ko et al. D14/230
2007/0030203 A1 * 2/2007 Tsai et al. 343/702
2011/0084882 A1 * 4/2011 Tsai et al. 343/700 MS
2011/0084889 A1 * 4/2011 Tsai et al. 343/846
2012/0032856 A1 * 2/2012 Huang et al. 343/700 MS

* cited by examiner

Primary Examiner — John Windmuller

(74) *Attorney, Agent, or Firm* — Cheng-Ju Chiang

(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 for a multi-band antenna is so thin that it is barely discernable in top, bottom, and side views. All elements of the design are flat and coplanar.

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

1 Claim, 1 Drawing Sheet



