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- (54) **BALANCED DIPOLE ANTENNA HAVING SYMMETRICAL ARCHITECTURE**
- (71) Applicant: **NATIONAL TAIWAN UNIVERSITY, Taipei (TW)**
- (72) Inventors: **Yi-Cheng Lin, Taipei (TW); Chung-En Tsai, Taichung (TW)**
- (73) Assignee: **NATIONAL TAIWAN UNIVERSITY, Taipei (TW)**
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 43 days.

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- Primary Examiner* — Dieu Hien T Duong
(7A) *Attorney, Agent, or Firm* — Li & Cai Intellectual Property (USA) Office

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CPC H01Q 9/065 (2013.01); H01Q 9/16 (2013.01)
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See application file for complete search history.

(57) **ABSTRACT**

A balanced dipole antenna includes a feeding metal member, a first radiating metal member, a second radiating metal member and a first ground metal member. The feeding metal member includes a first feeding part and a second feeding part, the first feeding part is connected to a feeding terminal, and the second feeding part is connected to a selective terminal. The first radiating metal member is disposed adjacent to the first feeding part. The second radiating metal member is disposed adjacent to the second feeding part. The feeding metal member, the feeding terminal, the selective terminal, and the first ground terminal to the fourth ground terminal form a balun transmission device, and the balun transmission device, the first radiating metal member and the second radiating metal member form a symmetrical structure.

10 Claims, 16 Drawing Sheets

