

Title (en)

RADIO SYSTEM FOR HIGH-SPEED WIRELESS COMMUNICATION

Title (de)

FUNKSYSTEM FÜR DRAHTLOSE HOCHGESCHWINDIGKEITSKOMMUNIKATION

Title (fr)

SYSTÈME RADIO POUR PERMETTRE UNE COMMUNICATION SANS FIL HAUT DÉBIT

Publication

**EP 2954593 B1 20240417 (EN)**

Application

**EP 14749582 A 20140131**

Priority

- US 201361762800 P 20130208
- US 201361874907 P 20130906
- US 201361920416 P 20131223
- US 2014014022 W 20140131

Abstract (en)

[origin: WO2014123769A1] Indoor/outdoor broadband wireless combined radio/antennas configured to include an integrated adjustable mount allowing mounting to a pole or stand and adjustment of the angle of the device (e.g., the altitude). The device may include a compact array antenna having a high gain configured to operate in, for example, the 5.15 to 5.85 GHz band and/or the 2.40-2.48 GHz band. The antenna emitters may be arranged in a separate plane from a plane containing the antenna feed connecting the emitting elements and also from a ground plane. The antenna array may be contained within a protective weatherproof housing along with the radio control circuitry. The antenna may be manufactured by a simple stamping/forming process. The apparatuses may be configured for low impedance mismatch and may have a high gain relative to a very small and compact overall shape.

IPC 8 full level

**H01Q 21/06** (2006.01); **H01Q 1/12** (2006.01); **H01Q 1/24** (2006.01); **H01Q 1/42** (2006.01); **H01Q 1/46** (2006.01)

CPC (source: EP)

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