

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 A4 20161005 (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)

H01Q 1/1228 (2013.01); **H01Q 1/246** (2013.01); **H01Q 1/42** (2013.01); **H01Q 21/065** (2013.01)

Citation (search report)

- [XYI] US 8159398 B2 20120417 - SU SAOU-WEN [TW]
- [Y] US 2008284661 A1 20081120 - HE ZIMING [US]
- [Y] US 6124830 A 20000926 - YUANZHU DOU [JP]
- [A] US 2012176608 A1 20120712 - MCCOWN JAMES CHARLES [US]
- [A] US 2008026697 A1 20080131 - SIGNELL SVANTE [SE], et al
- See also references of WO 2014123769A1

Designated contracting state (EPC)

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