

Title (en)

WIRELESS TRANSCEIVING APPARATUS, ANTENNA UNIT AND BASE STATION

Title (de)

DRAHTLOSE SENDE-/EMPFANGSVORRICHTUNG, ANTENNENEINHEIT UND BASISSTATION

Title (fr)

APPAREIL D'ÉMISSION-RÉCEPTION SANS FIL, UNITÉ D'ANTENNE ET STATION DE BASE

Publication

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Application

**EP 16910054 A 20160727**

Priority

CN 2016091955 W 20160727

Abstract (en)

[origin: EP3487000A1] The present invention discloses a radio transceiver apparatus, an antenna element, and a base station, and belongs to the communications field. The radio transceiver module includes a metal carrier and at least one antenna element that is disposed at an edge of the metal carrier. Each antenna element includes a feeding structure and a radiation patch. Both the feeding structure and the radiation patch are non-centrosymmetric structures. Power is fed to the radiation patch by using the feeding structure, and the radiation patch is grounded. The present invention resolves a problem that an antenna pattern roundness of the antenna element is relatively poor when the antenna element is not disposed in a central location of the metal carrier. Embodiments of the present invention are applicable to information transmission and reception of the radio transceiver apparatus.

IPC 8 full level

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**H01Q 21/205** (2013.01 - CN EP)

Citation (search report)

- [XAI] US 2006227052 A1 20061012 - TAVASSOLI HOZOURI BEHZAD [US]
- [X] US 2010295736 A1 20101125 - SU SAOU-WEN [TW]
- [E] EP 3346551 A1 20180711 - HUAWEI TECH CO LTD [CN]
- See references of WO 2018018473A1

Designated contracting state (EPC)

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CN 109478713 A 20190315; CN 109478713 B 20201009; CN 112397897 A 20210223; CN 112397897 B 20211130; MX 2019001191 A 20191002;  
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