

Title (en)

5G ANTENNA AND RADIATION UNIT THEREOF

Title (de)

5G-ANTENNE UND STRAHLUNGSEINHEIT DAFÜR

Title (fr)

ANTENNE 5G ET SON UNITÉ DE RAYONNEMENT

Publication

EP 4064453 A4 20221214 (EN)

Application

EP 20903178 A 20200821

Priority

- CN 201911323563 A 20191220
- CN 2020110587 W 20200821

Abstract (en)

[origin: EP4064453A1] The present invention discloses a 5G antenna and the radiation unit thereof. The radiation unit includes two groups of dipoles the polarizations of which are orthogonal, each group of the dipoles includes two radiation arms which are disposed to be spaced apart relative to each other, and each of the radiation arms is provided with a first extension branch and a second extension branch which are disposed to be spaced apart from each other. The extension of the operating frequency band and good radiation performance can be achieved by the radiation unit; as such, a 5G antenna using the radiation unit has good radiation performance.

IPC 8 full level

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CPC (source: CN EP)

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H01Q 21/006 (2013.01 - CN); **H01Q 21/24** (2013.01 - CN EP); **H01Q 21/26** (2013.01 - EP); **H01Q 25/001** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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