

Title (en)

BROADBAND LOW-PROFILE DUAL-LINEARLY POLARIZED ANTENNA FOR A ONELTE TWO-IN-ONE PLATFORM

Title (de)

BREITBANDIGE FLACHE DUALLINEAR POLARISIERTE ANTENNE FÜR EINE ONELTE-ZWEI-IN-EINS-PLATTFORM

Title (fr)

ANTENNE POLARISÉE LINÉAIREMENT DOUBLE EXTRA-PLATE À LARGE BANDE POUR PLATEFORME LTE DEUX EN UNE

Publication

**EP 3454414 B1 20200527 (EN)**

Application

**EP 18193154 A 20180907**

Priority

- CN 201710804959 A 20170908
- US 201816123938 A 20180906

Abstract (en)

[origin: EP3454414A1] A broadband low-profile dual-linearly polarized antenna for a OneLTE two-in-one platform and an antenna array device formed therefrom are provided that can realize low-profile and ultra-broadband and have such advantages as simple structure, neat appearance, easy engineering implementation, and suitability for mass production. The broadband low-profile dual-linearly polarized antenna can include (1) a radiating portion that can include a dielectric substrate, printed folded dipoles spaced apart on an upper surface of the dielectric substrate, first coupled parasitic elements on a lower surface of the dielectric substrate, and second coupled parasitic elements on the upper surface of the dielectric substrate and (2) a feed balun for feeding the radiating portion, wherein each of the printed folded dipoles can include a corresponding one of the first coupled parasitic elements and a corresponding one of the second coupled parasitic elements.

IPC 8 full level

**H01Q 1/24** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/385** (2015.01); **H01Q 9/06** (2006.01); **H01Q 9/26** (2006.01); **H01Q 21/26** (2006.01)

CPC (source: EP)

**H01Q 1/246** (2013.01); **H01Q 1/38** (2013.01); **H01Q 5/385** (2015.01); **H01Q 9/26** (2013.01); **H01Q 21/26** (2013.01)

Cited by

CN112952378A; CN114374092A; CN110380196A; CN111600116A; CN112993557A; EP3968458A4

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

DOCDB simple family (publication)

**EP 3454414 A1 20190313; EP 3454414 B1 20200527**

DOCDB simple family (application)

**EP 18193154 A 20180907**