

Title (en)

MULTI-ANTENNA SYSTEM AND MOBILE TERMINAL

Title (de)

MULTIANTENNENSYSTEM UND MOBILES ENDGERÄT

Title (fr)

SYSTÈME À MULTIPLES ANTENNES ET TERMINAL MOBILE

Publication

EP 2999046 A1 20160323 (EN)

Application

EP 14817649 A 20140306

Priority

- CN 201310269571 A 20130628
- CN 2014073003 W 20140306

Abstract (en)

Provided are a multi-antenna system and a mobile terminal. A dual band is achieved through PIFA antennas on dielectric substrates and grooves on radiation patches of the antennas. The isolation degree between the antennas is improved by arranging an isolated branch knot between the antennas. The isolation degree between the antennas on the two medium substrates is further improved through the two independent medium substrates and a metal ground. In addition, the PIFA antennas are used, so that the multi-antenna system and the mobile terminal can increase the number of antennas in a limited space as many as possible.

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 1/52** (2006.01); **H01Q 5/357** (2015.01); **H01Q 9/04** (2006.01); **H01Q 21/28** (2006.01)

CPC (source: EP)

H01Q 1/243 (2013.01); **H01Q 1/521** (2013.01); **H01Q 5/357** (2015.01); **H01Q 9/0421** (2013.01); **H01Q 21/28** (2013.01)

Cited by

CN109088153A; JP2017220790A; WO2018011635A1

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)

BA ME

DOCDB simple family (publication)

EP 2999046 A1 20160323; **EP 2999046 A4 20160608**; **EP 2999046 B1 20191120**; CN 104253303 A 20141231; CN 104253303 B 20170215; WO 2014206110 A1 20141231

DOCDB simple family (application)

EP 14817649 A 20140306; CN 201310269571 A 20130628; CN 2014073003 W 20140306