

Title (en)

Wideband balun on a multilayer circuit for a network antenna

Title (de)

Breitband-Symmetrieüberträger auf mehrlagigem Schaltkreis für eine Netzanenne

Title (fr)

Symétriseur large bande sur circuit multicouche pour antenne réseau

Publication

EP 2432072 B1 20180404 (FR)

Application

EP 11182224 A 20110921

Priority

FR 1003753 A 20100921

Abstract (en)

[origin: EP2432072A1] The balun has first and second transmission lines (31, 33) that are dimensioned such that equivalent electrical lengths of the lines and equivalent electrical lengths of line segments (36A, 36B) of third and fourth transmission lines (34, 35) are equal to quarter of wavelength of a predetermined frequency. The first and second lines are dimensioned to allow predetermined impedance transition between an asymmetrical connection point (31IN) and symmetrical connection points (36OUTA, 36OUTB). Another asymmetrical connection point is connected to a ground plane. An independent claim is also included for a network antenna device comprising radiating elements.

IPC 8 full level

H01P 5/10 (2006.01)

CPC (source: EP)

H01P 5/10 (2013.01)

Cited by

CN113285198A; EP3975331A1; FR3114695A1; US9583841B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2432072 A1 20120321; EP 2432072 B1 20180404; FR 2965112 A1 20120323; FR 2965112 B1 20130607

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