

Title (en)

Very-thin broadband compact antenna with dual orthogonal linear polarisations operating in the V/UHF bands

Title (de)

Kompakte Breitbandantenne von sehr geringer Dicke und mit doppelten orthogonalen linearen Polarisierungen, die für den V/UHF-Bandbereich konzipiert ist

Title (fr)

Antenne compacte large bande à très faible épaisseur et à double polarisations linéaires orthogonales opérant dans les bandes V/UHF

Publication

EP 2610966 B1 20170719 (FR)

Application

EP 12199486 A 20121227

Priority

FR 1104121 A 20111227

Abstract (en)

[origin: EP2610966A1] The antenna (2) has dipoles (16A, 16B) orthogonal between each other, where each dipole includes radiating elements (4). The radiating elements are planar. The dipoles are included in a same plane. A cylindrical absorbing structure (6) is interposed between a metal plate (8) and one of the dipoles and arranged in contact with the metal plate. Each radiating element presents a general form of disk sector. The plane is at a distance from the structure ranging between 1 mm and 2 mm. The metal plate includes a sole, and an impedance matching circuit is arranged in the sole.

IPC 8 full level

H01Q 9/06 (2006.01); **H01Q 9/28** (2006.01)

CPC (source: EP)

H01Q 9/065 (2013.01); **H01Q 9/28** (2013.01); **H01Q 9/285** (2013.01)

Cited by

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