

Title (en)

Dual polarisation printed antenna and corresponding array

Title (de)

Dualpolarisierte gedruckte Antenne und entsprechende Gruppenantenne

Title (fr)

Antenne imprimée bi-polarisation et réseau d'antennes correspondant

Publication

**EP 1073143 B1 20070530 (FR)**

Application

**EP 00460045 A 20000726**

Priority

FR 9910105 A 19990730

Abstract (en)

[origin: US6281849B1] The invention relates a printed bi-polarization acrial comprising first, second and third superimposed substrate lates (1, 2, 3); a first metal deposit (4), situated on the external face of said first substrate plate (1) which defines at least one first radiating element (5, 6) of the dipole type, in the form of a T, the horizontal bar of said T being constituted by two radiating lateral strands separated by a coupling slit; a first power supply line (7) pursuant to a first polarization, situated between said first and second substrate plates (1, 2) and supplying power to said at least one first radiating element (5, 6); a second metal deposit (8). situated on the external face of said third substrate plate (3) and defining at least one second radiating element of the dipole type (9, 10), in the form of a T, the horizontal bar of said T being constituted by two radiating lateral strands separated by a coupling slit; a second power supply line (11) pursuant to a second polarization, situated between said second and third substrate plates (2, 3) and supplying power to said at least one second radiating element (9, 10).

IPC 8 full level

**H01Q 21/24** (2006.01); **H01Q 1/38** (2006.01); **H01Q 9/16** (2006.01)

CPC (source: EP US)

**H01Q 21/24** (2013.01 - EP US)

Cited by

CN104993229A; CN104953250A; CN107342457A; CN105186104A; CN104993252A; CN104916912A; CN104953251A; CN104934701A; CN104993228A; CN104953263A; CN104953266A; CN104953264A; CN104993227A

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