

Title (en)
DUAL-POLARIZED MICROSTRIP ANTENNA

Title (de)
DOPPELT POLARISIERTE MIKROSTREIFENANTENNE

Title (fr)
ANTENNE À MICRORUBANS ET À DOUBLE POLARISATION

Publication
EP 2565985 A4 20131218 (EN)

Application
EP 11765012 A 20110419

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- CN 201020152260 U 20100407
- CN 201020152250 U 20100407
- CN 201020520113 U 20100907
- CN 201020520090 U 20100907
- CN 201020520101 U 20100907
- CN 201020520059 U 20100907
- CN 201020520077 U 20100907
- CN 201020520071 U 20100907
- CN 201020520086 U 20100907
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Abstract (en)
[origin: EP2565985A1] A dual-polarized microstrip antenna includes: at least one metal radiating patch, i.e. a first metal radiating patch(3); at least one ground metal layer(5) whereon excitation micro-slots are etched; at least one dielectric layer, i.e. a first dielectric layer(4), it is preferred that the dielectric layer(4) is a resonant dielectric layer such as a resonant dielectric layer of air or other layers of optimization resonant materials; at least one set of bipolar excitation microstrip lines(7,7'); the dielectric layer(4) is between the first metal radiating patch(3) and the ground metal layer(5). The dual-polarized microstrip antenna of multi-layer radiation structure is designed in a relatively small volume, which effectively saves the cost of antenna installation and maintenance, and is widely applied in the fields of mobile communication and internet technology.

IPC 8 full level
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Citation (search report)

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