

Title (en)

WIDEBAND, DIRECTIONAL, LINEARLY POLARIZED ANTENNA HAVING HIGH POLARIZATION PURITY

Title (de)

DIREKTIONALE LINEAR POLARISIERTE BREITBANDANTENNE MIT HOHER POLARISATIONSREINHEIT

Title (fr)

ANTENNE A POLARISATION RECTILIGNE, DIRECTIVE, LARGE BANDE, A GRANDE PURETE DE POLARISATION

Publication

**EP 2559102 A1 20130220 (FR)**

Application

**EP 11715189 A 20110407**

Priority

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Abstract (en)

[origin: WO2011128243A1] In the field of wideband directional antennas operating in linear polarization, and in particular in the framework of amplitude goniometry systems, polarization purity defects result in deformation of the radiation patterns and cause the localization performance of the detection system to deteriorate. The antenna of the present invention is an antenna operating in linear polarization and having sinuous radiating elements inscribed within a circle, and comprises radiating elements printed on both surfaces of a substrate, the elements of a first surface being derived from those of the other surface by rotation.

IPC 8 full level

**H01Q 5/15** (2015.01); **H01Q 9/27** (2006.01); **H01Q 11/10** (2006.01); **H01Q 19/02** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2011128243A1

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