

Title (en)

MAGNETIC DIPOLE AND SHIELDED SPIRAL SHEET ANTENNAS STRUCTURES AND METHODS

Title (de)

MAGNETDIPOL- UND ABGESCHIRMTE SPIRALFLÄCHENANTENNENSTRUKTUREN UND -VERFAHREN

Title (fr)

PROCEDES ET STRUCTURES D'ANTENNES DIPOLES MAGNETIQUES ET D'ANTENNES BLINDEES EN FEUILLE EN SPIRALE

Publication

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Application

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Abstract (en)

[origin: WO02065583A1] The spiral sheet antenna (10) allows a small efficient antenna structure that is much smaller than the electromagnetic wavelength. It achieves the small size by introducing a high effective dielectric constant through geometry rather than through a special high dielectric constant material. It typically includes a rectangular cylinder-like shape, with a seam. The edges of the seam can overlap to make a high capacitance, or they can make a high capacitance by simply having the edges of the seam very close to each other. The highcapacitance serves the same role as a high dielectric constant material in a conventional compact antenna.

IPC 8 full level

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