

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

EP 1371111 A4 20050713 (EN)

Application

EP 02724937 A 20020211

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- US 78177901 A 20010212
- US 78178001 A 20010212
- US 78172301 A 20010212

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.

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IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

- [X] US 5781158 A 19980714 - KO YOUNG HOEK [KR], et al
- [X] WO 0108255 A1 20010201 - RANGESTAR WIRELESS INC [US]
- See references of WO 02065583A1

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