

Title (en)
HELIX ANTENNA

Title (de)
HELIXANTENNE

Title (fr)
ANTENNE DE TYPE HÉLICE

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EP 2158637 A1 20100303 (FR)

Application
EP 08759842 A 20080521

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Abstract (en)
[origin: WO2008142099A1] The invention relates to a helix antenna comprising a plurality of radiating elements wound helically in an axisymmetric shape (15), characterized in that each radiating element comprises a repetition of the same pattern, which is defined by an at least second-order fractal (F1, F1' F2, F2', F3, F3', F4, F5).

IPC 8 full level
H01Q 1/36 (2006.01); **H01Q 11/08** (2006.01)

CPC (source: EP US)
H01Q 1/362 (2013.01 - EP US); **H01Q 11/08** (2013.01 - EP US); **Y10T 29/49016** (2015.01 - EP US)

Citation (search report)
See references of WO 2008142099A1

Citation (examination)
• EP 1538699 A2 20050608 - FRACTUS SA [ES]
• NATHAN COHEN: "NEC4 Analysis of a Fractalized Monofilar Helix in an Axial Mode", CONFERENCE PROCEEDINGS. 14TH ANNUAL REVIEW OF PROGRESS IN APPLIED COMPUTATIONAL ELECTROMAGNETICS, NAVAL POSTGRADUATE SCHOOL, MONTEREY, CA, MARCH 16-20, 1998, vol. 2, 16 March 1998 (1998-03-16), pages 1051 - 1057, XP009176228

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AL BA MK RS

DOCDB simple family (publication)
FR 2916581 A1 20081128; **FR 2916581 B1 20090828**; CA 2687900 A1 20081127; EP 2158637 A1 20100303; US 2010156752 A1 20100624; WO 2008142099 A1 20081127

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