

Title (en)
Three-dimensional spiral antenna and applications thereof

Title (de)
Dreidimensionale Spiralantenne und Anwendungen davon

Title (fr)
Antenne en spirale tridimensionnelle et ses applications

Publication
EP 2642593 A1 20130925 (EN)

Application
EP 13001203 A 20130311

Priority

- US 201261614685 P 20120323
- US 201261731949 P 20121130
- US 201213720565 A 20121219

Abstract (en)
A three-dimensional spiral antenna includes a substrate, a spiral antenna element, and a feed point. The substrate includes a three-dimensional shaped region. The spiral antenna element is supported by and conforms to the three-dimensional shaped region such that the spiral antenna element has an overall shape approximating a three-dimensional shape. The feed point is coupled to a connection point of the spiral antenna element.

IPC 8 full level
H01Q 1/36 (2006.01); **H01Q 9/27** (2006.01)

CPC (source: EP KR)
H01Q 1/24 (2013.01 - KR); **H01Q 1/36** (2013.01 - EP); **H01Q 1/38** (2013.01 - KR); **H01Q 7/00** (2013.01 - KR); **H01Q 9/27** (2013.01 - EP)

Citation (search report)

- [X] US 2012007791 A1 20120112 - GRBIC ANTHONY [US], et al
- [X] US 2012068912 A1 20120322 - BRADLEY RICHARD F [US], et al
- [X] EP 0198578 A1 19861022 - HAMEL RAYMOND HORACE DU
- [A] US 2007152904 A1 20070705 - CASTANEDA JESUS A [US], et al

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FR3012916A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2642593 A1 20130925; CN 103326110 A 20130925; CN 103326110 B 20170301; CN 203242742 U 20131016; KR 101448053 B1 20141007; KR 20130108190 A 20131002; TW 201340469 A 20131001; TW I525910 B 20160311

DOCDB simple family (application)
EP 13001203 A 20130311; CN 201310098000 A 20130325; CN 201320139094 U 20130325; KR 20130030946 A 20130322; TW 102108509 A 20130311