

Title (en)
Helix antenna with variable length

Title (de)
Wendelantenne mit variabler Länge

Title (fr)
Antenne en hélice variable

Publication
EP 0889541 B1 20030402 (FR)

Application
EP 98401449 A 19980615

Priority
FR 9708631 A 19970704

Abstract (en)
[origin: EP0889541A1] The antenna consists of first and second conducting coils with a common central axis (Y - Y) and fitted together so that their adjoining ends (HI1, HS2) overlap but without mechanical contact, and their outer ends (HI2, HS2) are separate. It also has a two-section insulated housing (CPI, CPS) with sections which move in a spiral relative to one another and vary the overlap between the two coils. The two coils are virtually identical, and the coils of their overlapping portions are spaced evenly relative to one another, e.g. so that the coils of one lie half way between the coils of the other.

IPC 1-7
H01Q 11/08; H01Q 1/36; H01Q 1/24; H01Q 9/14

IPC 8 full level
H01Q 1/24 (2006.01); **H01Q 1/36** (2006.01); **H01Q 9/14** (2006.01); **H01Q 11/08** (2006.01)

CPC (source: EP US)
H01Q 1/24 (2013.01 - EP US); **H01Q 1/362** (2013.01 - EP US); **H01Q 9/145** (2013.01 - EP US); **H01Q 11/08** (2013.01 - EP US)

Cited by
WO2010049849A1; US6018326A; EP1202379A1; US6448942B2; WO9917398A3; WO0128040A1; WO9967852A1; US8390416B2

Designated contracting state (EPC)
BE DE ES FR GB IT

DOCDB simple family (publication)
EP 0889541 A1 19990107; **EP 0889541 B1 20030402**; DE 69812776 D1 20030508; DE 69812776 T2 20031016; FR 2765732 A1 19990108; FR 2765732 B1 19990827; US 6011525 A 20000104

DOCDB simple family (application)
EP 98401449 A 19980615; DE 69812776 T 19980615; FR 9708631 A 19970704; US 10520998 A 19980626