

Title (en)
MULTI-BAND PIF ANTENNA WITH MEANDER STRUCTURE

Title (de)
MEHRBAND-PIF-ANTENNE MIT MEANDERSTRUKTUR

Title (fr)
ANTENNE PIF MULTIBANDES PRESENTANT UN BATI ARQUE

Publication
EP 1481444 A2 20041201 (EN)

Application
EP 03743664 A 20030131

Priority

- US 0302883 W 20030131
- US 9161902 A 20020304
- US 10805902 A 20020327

Abstract (en)
[origin: WO03075395A2] A mono-band or multi-band planar inverted F antenna (PIFA) structure (200) comprises a planar radiating element (202) having a first area, a ground plane (204) having a second area that is substantially parallel to the radiating element first area. The first area further comprises a section (230) having a meandering form elongating the effective overall length of the radiating element.

IPC 1-7
H01Q 1/38; **H01Q 1/48**

IPC 8 full level
H01Q 1/24 (2006.01); **H01Q 1/36** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/371** (2015.01); **H01Q 9/04** (2006.01); **H01Q 9/42** (2006.01); **H01Q 13/08** (2006.01)

CPC (source: EP)
H01Q 1/243 (2013.01); **H01Q 5/371** (2015.01); **H01Q 9/0421** (2013.01)

Designated contracting state (EPC)
DE FI FR GB SE

DOCDB simple family (publication)
WO 03075395 A2 20030912; **WO 03075395 A3 20040318**; CN 1650473 A 20050803; CN 1650473 B 20120530; EP 1481444 A2 20041201; EP 1481444 A4 20090617; JP 2005519509 A 20050630; RU 2004129327 A 20060327

DOCDB simple family (application)
US 0302883 W 20030131; CN 03805223 A 20030131; EP 03743664 A 20030131; JP 2003573734 A 20030131; RU 2004129327 A 20030131