

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 A4 20090617 (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 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)

Citation (search report)  

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- [XY] US 5926139 A 19990720 - KORISCH ILYA A [US]
- [X] WO 0129927 A1 20010426 - SIEMENS AG [DE], et al
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- [X] WO 9903168 A1 19990121 - ALLGON AB [SE], et al
- See references of WO 03075395A2

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