

Title (en)  
HIGH IMPEDANCE TYPE HIGH FREQUENCY ANTENNA

Title (de)  
HOCHFREQUENZANTENNE MIT HOHER IMPEDANZ

Title (fr)  
ANTENNE HAUTE FREQUENCE DE TYPE A IMPEDANCE ELEVEE

Publication  
**EP 0981840 A1 20000301 (EN)**

Application  
**EP 97925312 A 19970527**

Priority  
• KR 9700096 W 19970527  
• KR 19970014726 A 19970421

Abstract (en)  
[origin: WO9848478A1] A high impedance type high frequency antenna by which the antenna is not influenced by an external factor when a human body or the like approaches the antenna by enabling a high impedance by decreasing a reactance component and increasing a resistance component, whereby it is possible to fabricate a compact size product. The antenna includes an RF module having an input and output capacity of 50 OMEGA , and a matching circuit connected between the antenna and the RF module for outputting 50 OMEGA of an impedance and having a smith chart at a 1/4 lambda helical portion so that a 1/2 lambda monopole antenna is matched with a 50 OMEGA RF module.

IPC 1-7  
**H01Q 9/30**; **H04B 1/18**

IPC 8 full level  
**H01Q 1/24** (2006.01); **H01Q 9/30** (2006.01); **H04B 1/18** (2006.01)

CPC (source: EP)  
**H01Q 1/242** (2013.01); **H01Q 9/30** (2013.01); **H04B 1/18** (2013.01)

Citation (search report)  
See references of WO 9848478A1

Designated contracting state (EPC)  
DE ES FR GB IT NL SE

DOCDB simple family (publication)  
**WO 9848478 A1 19981029**; AU 3049197 A 19981113; BR 9715003 A 20010918; CN 1249071 A 20000329; EP 0981840 A1 20000301; IL 131065 A0 20010128; JP 2000512118 A 20000912; KR 19980077560 A 19981116

DOCDB simple family (application)  
**KR 9700096 W 19970527**; AU 3049197 A 19970527; BR 9715003 A 19970527; CN 97181995 A 19970527; EP 97925312 A 19970527; IL 13106597 A 19970527; JP 54549698 A 19970527; KR 19970014726 A 19970421