

Title (en)  
ANTENNA DEVICE HAVING MAGNETIC FASTENING MEANS AND GROUND COUPLING MEANS CAPABLE OF OPERATING AT MULTIPLE FREQUENCIES

Title (de)  
ANTENNENVORRICHTUNG MIT MAGNETISCHER BEFESTIGUNG UND MASSEKOPPELUNG MIT DER FÄHIGKEIT IN MEHREREN FREQUENZEN ZU ARBEITEN

Title (fr)  
DISPOSITIF D'ANTENNE POURVU D'UN ORGANE DE FIXATION MAGNETIQUE ET D'UN ORGANE DE COUPLAGE DE MISE A LA TERRE POUVANT FONCTIONNER A DES FREQUENCES MULTIPLES

Publication  
**EP 1064692 A1 20010103 (EN)**

Application  
**EP 99914841 A 19990318**

Priority  
• SE 9900430 W 19990318  
• SE 9800929 A 19980319

Abstract (en)  
[origin: WO9948167A1] An antenna device for microwave radio communication comprising feed connection means (5) having a hot conductor and a ground conductor for connecting said device to a radio transceiver, magnetic fastening means (25) having first and second opposed sides for fastening at its first side the device to a steel body to be acting as a ground plane means, conductive ground coupling means connected to the ground conductor, radiator means (16-20) including a helical filter means (19) and connected to the hot conductor. The ground coupling means including said magnetic fastening means (25) and a metal member (23) adjacent to the second side of the magnetic fastening means (25), wherein the metal member (23) and the magnetic fastening means (25) being arranged so as to provide radio frequency contact to the steel body to be acting as a ground plane.

IPC 1-7  
**H01Q 1/12; H01Q 1/32**

IPC 8 full level  
**H01Q 1/12** (2006.01); **H01Q 1/14** (2006.01); **H01Q 1/32** (2006.01); **H01Q 5/00** (2006.01); **H01Q 9/32** (2006.01)

CPC (source: EP)  
**H01Q 1/12** (2013.01); **H01Q 1/14** (2013.01); **H01Q 1/3275** (2013.01); **H01Q 5/321** (2015.01); **H01Q 9/32** (2013.01)

Citation (search report)  
See references of WO 9948167A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9948167 A1 19990923**; AU 3349599 A 19991011; EP 1064692 A1 20010103; SE 518868 C2 20021203; SE 9800929 D0 19980319; SE 9800929 L 19990920

DOCDB simple family (application)  
**SE 9900430 W 19990318**; AU 3349599 A 19990318; EP 99914841 A 19990318; SE 9800929 A 19980319