

Title (en)
Antenna device

Title (de)
Antennenvorrichtung

Title (fr)
Dispositif d'antenne

Publication
EP 0738023 A2 19961016 (EN)

Application
EP 96105722 A 19960411

Priority
JP 8713495 A 19950412

Abstract (en)
An antenna device (10) includes a dielectric substrate (17), at least one peripheral antenna circuit (18,19) formed inside or on a surface of the dielectric substrate (17), and a radiator (11) for receiving or transmitting a signal. The radiator (11) has a radiating portion (12) and at least a pair of opposed fixing portions (13,14) extending from the radiating portion (12) so as to form a square-bottomed U-shaped cross section. The pair of opposed fixing portions (13,14) are attached to side faces of the dielectric substrate (17) such that the radiating portion (11) and an upper surface of the dielectric substrate (17) create a space (22). <IMAGE>

IPC 1-7
H01Q 9/04; H01Q 23/00

IPC 8 full level
H01Q 1/22 (2006.01); **H01Q 9/04** (2006.01); **H01Q 13/08** (2006.01); **H01Q 23/00** (2006.01); **H03H 7/09** (2006.01); **H04B 1/18** (2006.01); **H04B 1/44** (2006.01)

CPC (source: EP)
H01Q 9/0421 (2013.01); **H01Q 23/00** (2013.01)

Cited by
EP0997973A1; CN1312948C; EP1158604A3; EP0829923A1; FR2753569A1; US5982328A; US6313797B1; US6384793B2; US6906677B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0738023 A2 19961016; EP 0738023 A3 19970521; JP H08288739 A 19961101

DOCDB simple family (application)
EP 96105722 A 19960411; JP 8713495 A 19950412