

Title (en)  
Antenna device

Title (de)  
Antennenvorrichtung

Title (fr)  
Dispositif d'antenne

Publication  
**EP 0738023 A3 19970521 (EN)**

Application  
**EP 96105722 A 19960411**

Priority  
JP 8713495 A 19950412

Abstract (en)  
[origin: EP0738023A2] 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)

Citation (search report)  
• [X] EP 0621653 A2 19941026 - MURATA MANUFACTURING CO [JP]  
• [EX] EP 0707354 A1 19960417 - MURATA MANUFACTURING CO [JP]

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

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DE FR GB

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