

Title (en)

Microstrip antenna

Title (de)

Mikrostreifenleiterantenne

Title (fr)

Antenne microruban

Publication

EP 1148581 A1 20011024 (EN)

Application

EP 00304669 A 20000601

Priority

KR 20000019972 A 20000417

Abstract (en)

A microstrip antenna (100) having a ground patch (40) on which at least a feed line (30) is located, and a dielectric (50) laminated on the ground patch (40). The microstrip antenna (100) includes a left radiation patch (61) short-circuited to one end of the ground patch (40) and laminated on a left upper surface of the dielectric (50), and a right radiation patch (62) short-circuited to the other end of the ground patch (40) and laminated in an array on a right upper surface of the dielectric (50) with a radiation slot (70) arranged between the left and right radiation patches (61,62) so that capacitance is implemented between the left and right radiation patches (61,62). The ground patch (40) includes a right ground plate (41) having a triangular area extending from a feed point of a feed line (30) to both corners of a right lower surface of the dielectric (50) to which the right radiation patch (62) is short-circuited, a connection plate (42) having a narrow width (W2) and extending as long as a height (L5) of the right ground plate (41) from the feed point to the left radiation patch (61) to implement an inductance, and a left ground plate (43) connected to the connection plate (42) and covering a left lower surface of the dielectric (50). <IMAGE>

IPC 1-7

H01Q 9/04; **H01Q 19/00**

IPC 8 full level

H01Q 13/08 (2006.01); **H01Q 9/04** (2006.01); **H01Q 13/28** (2006.01); **H01Q 19/00** (2006.01)

CPC (source: EP)

H01Q 9/0421 (2013.01); **H01Q 9/0442** (2013.01); **H01Q 19/005** (2013.01)

Citation (search report)

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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)

EP 1148581 A1 20011024; **EP 1148581 B1 20041208**; AT E284573 T1 20041215; CN 1134858 C 20040114; CN 1318880 A 20011024; DE 60016565 D1 20050113; JP 2001313518 A 20011109; KR 100349422 B1 20020822; KR 20010096062 A 20011107

DOCDB simple family (application)

EP 00304669 A 20000601; AT 00304669 T 20000601; CN 00109180 A 20000614; DE 60016565 T 20000601; JP 2000168200 A 20000605; KR 20000019972 A 20000417