

Title (en)

Shorted microstrip antenna and apparatus using the same

Title (de)

Kurzgeschlossene Streifenleiterantenne und Gerät damit

Title (fr)

Antenne à court-circuit réalisée selon la technique des microrubans et dispositif incluant cette antenne

Publication

EP 0923156 B1 20040128 (FR)

Application

EP 98402988 A 19981130

Priority

FR 9715694 A 19971211

Abstract (en)

[origin: EP0923156A1] The side face and upper face patch surfaces are continuous, so that there is no impedance discontinuity. The antenna has two zones allowing two frequency operation.

IPC 1-7

H01Q 9/04; **H01Q 1/24**; **H01P 5/08**

IPC 8 full level

H01Q 21/30 (2006.01); **H01P 5/08** (2006.01); **H01P 11/00** (2006.01); **H01Q 1/24** (2006.01); **H01Q 9/04** (2006.01); **H01Q 13/08** (2006.01)

CPC (source: EP US)

H01P 5/08 (2013.01 - EP US); **H01Q 1/24** (2013.01 - EP US); **H01Q 9/0407** (2013.01 - EP US); **H01Q 9/0421** (2013.01 - EP US); **H01Q 9/045** (2013.01 - EP US)

Cited by

EP1973197A1; GB2358963A; EP1339133A1; US6392605B2; US10468775B2; US7777684B2; US6496148B2; US11502427B2; EP1172885A1; FR2811479A1; EP3425731A4; TWI753495B

Designated contracting state (EPC)

AT DE ES FR GB IT SE

DOCDB simple family (publication)

EP 0923156 A1 19990616; **EP 0923156 B1 20040128**; AT E258720 T1 20040215; AU 743872 B2 20020207; AU 9610198 A 19990701; CA 2254263 A1 19990611; CN 1127171 C 20031105; CN 1226093 A 19990818; DE 69821327 D1 20040304; DE 69821327 T2 20041118; ES 2210690 T3 20040701; FR 2772518 A1 19990618; FR 2772518 B1 20000107; JP H11284430 A 19991015; SG 77208 A1 20001219; TW 404081 B 20000901; US 6133880 A 20001017

DOCDB simple family (application)

EP 98402988 A 19981130; AT 98402988 T 19981130; AU 9610198 A 19981208; CA 2254263 A 19981209; CN 98117083 A 19981211; DE 69821327 T 19981130; ES 98402988 T 19981130; FR 9715694 A 19971211; JP 35194898 A 19981210; SG 1998005373 A 19981209; TW 87120545 A 19981210; US 20944998 A 19981211