

Title (en)

Broadband monopole antenna in uniplanar printed circuit technology and transmit- and/or receive device with such an antenna

Title (de)

Breitbandige Monopolantenne in uniplanarer gedruckter Schaltungstechnik und Sende- und/oder Empfangsgerät mit einer derartiger Antenne

Title (fr)

Antenne large bande monopôle en technologie imprimée uniplanaire et dispositif d'émission et/ou de réception incorporant une telle antenne

Publication

EP 0714151 B1 20030903 (FR)

Application

EP 95460040 A 19951106

Priority

FR 9414198 A 19941122

Abstract (en)

[origin: EP0714151A1] The antenna includes a feed line (2) which is positioned on the first surface of a substrate. A conductor (3) is positioned on the second surface to form a ground plane (4) for the RF feed. A radiating stub (6) extends at least partially along the length of the side of the ground plate. A coupling slot (7) is formed between the stub and the plate. The coupling slot crosses the supply line at a crossing point beyond which the supply line has a series stub of a first adaptable length and the slot forms a parallel stub of a second adaptable length. The slot can be rectangular and the stub have variable width.

IPC 1-7

H01Q 9/42; **H01Q 1/24**; **H01Q 1/38**

IPC 8 full level

H01Q 13/08 (2006.01); **H01Q 1/24** (2006.01); **H01Q 1/38** (2006.01); **H01Q 9/04** (2006.01); **H01Q 9/30** (2006.01); **H01Q 9/42** (2006.01); **H01Q 13/10** (2006.01); **H01Q 21/24** (2006.01); **H04B 1/38** (2006.01)

CPC (source: EP US)

H01Q 1/243 (2013.01 - EP US); **H01Q 1/38** (2013.01 - EP US); **H01Q 9/0421** (2013.01 - EP US); **H01Q 9/0457** (2013.01 - EP US); **H01Q 9/42** (2013.01 - EP US); **H01Q 13/106** (2013.01 - EP US); **H01Q 21/24** (2013.01 - EP US)

Cited by

FR2849964A1; CN104134857A; US6140970A; EP2584647A3; US6016126A; US6025802A; EP0929121A1; EP0929115A1; GB2345581A; US6138050A; CN100380733C; US9325059B2; US9559431B2; US6937205B2; WO2015124463A1; WO9963616A1; WO9914861A3; WO2013182844A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 0714151 A1 19960529; **EP 0714151 B1 20030903**; DE 69531655 D1 20031009; DE 69531655 T2 20040624; FR 2727250 A1 19960524; FR 2727250 B1 19970207; JP H08256009 A 19961001; US 5835063 A 19981110

DOCDB simple family (application)

EP 95460040 A 19951106; DE 69531655 T 19951106; FR 9414198 A 19941122; JP 30452695 A 19951122; US 94117897 A 19970930