

Title (en)
COPLANAR MICROWAVE CIRCUIT HAVING SUPPRESSION OF UNDESIRE MODES

Title (de)
KOPLANARE MIKROWELLENSCHALTUNG MIT UNTERDRÜCKUNG VON STÖRMODEN

Title (fr)
CIRCUIT HYPERFREQUENCE COPLANAIRE A SUPPRESSION DE MODES INDESIRABLES

Publication
EP 1072063 A1 20010131 (EN)

Application
EP 98918659 A 19980424

Priority
US 9808233 W 19980424

Abstract (en)
[origin: WO9956338A1] Lossy resistive films (220, 220') and longitudinally extending coplanar conductors (206, 210) of a radio frequency transmission line are defined on the planar surface (204) of an insulating substrate (202). The resistive films (220, 220') may be positioned away from or in the space between parallel conductors (206, 210). The coplanar conductors may be configured as a two conductor coplanar slotline (206, 210) or as part of a three conductor coplanar wave guide (206, 210, 230). The resistive film (338) may also be extended (sea of resistor) over otherwise unused portions of the substrate. Still another embodiment provides a signal attenuating coplanar resistive structure (350) between a coplanar signal conductor (356) and a coplanar ground conductor (370). The coplanar resistive structure (400, 500) may include a meandering, or serpentine conductor (510) or interdigitated comb-like resistive film fingers (412a, 416).

IPC 1-7
H01P 1/162

IPC 8 full level
H01P 1/162 (2006.01); **H01P 3/00** (2006.01)

CPC (source: EP KR)
H01P 1/162 (2013.01 - EP KR); **H01P 3/003** (2013.01 - EP)

Designated contracting state (EPC)
DE DK ES FR GB IT NL SE

DOCDB simple family (publication)
WO 9956338 A1 19991104; AU 7154298 A 19991116; BR 9815826 A 20001212; CA 2329205 A1 19991104; CN 1299524 A 20010613; EP 1072063 A1 20010131; EP 1072063 A4 20010411; IL 138981 A0 20011125; JP 2002513226 A 20020508; KR 20010042968 A 20010525

DOCDB simple family (application)
US 9808233 W 19980424; AU 7154298 A 19980424; BR 9815826 A 19980424; CA 2329205 A 19980424; CN 98814132 A 19980424; EP 98918659 A 19980424; IL 13898198 A 19980424; JP 2000546410 A 19980424; KR 20007011797 A 20001024