

Title (en)

Planar microwave line with a directional change

Title (de)

Planare Mikrowellenleitung mit Richtungsänderung

Title (fr)

Ligne hyperfréquence planaire avec changement de direction

Publication

EP 1655800 A1 20060510 (DE)

Application

EP 05023458 A 20051027

Priority

- DE 102004053517 A 20041029
- DE 102005038456 A 20050803

Abstract (en)

The planar micro-corrugated leads (10) have a dielectric substrate (12) and a planar arrangement encompassing a first micro-strip lead (14) and at least a further micro-strip lead (16, 18) that has a spacing (20, 22) from the first micro-strip lead to permit an electromagnetic coupling. There is a first region (24) in which the micro-corrugated lead sits with a first direction, and a second region (26) in which the micro-corrugated lead sits in a second direction. There is a transition region (28) in which the exchange from the first direction to the second direction takes place. The neighbouring edges (32, 34, 36, 38) of the first micro-strip lead and of the further micro-strip lead, in the transition region, may have the same length.

IPC 8 full level

H01P 1/02 (2006.01); **H01P 3/00** (2006.01); **H01P 5/18** (2006.01)

CPC (source: EP US)

H01P 1/02 (2013.01 - EP US); **H01P 3/003** (2013.01 - EP US); **H01P 5/185** (2013.01 - EP US)

Citation (applicant)

DE 2943502 A1 19800514 - PHILIPS NV

Citation (search report)

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- [A] JAISSON D: "COPLANAR WAVEGUIDE BEND WITH RADICAL COMPENSATION", IEE PROCEEDINGS: MICROWAVES, ANTENNAS AND PROPAGATION, IEE, STEVENAGE, HERTS, GB, vol. 143, no. 5, October 1996 (1996-10-01), pages 447 - 450, XP000641926, ISSN: 1350-2417
- [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12 5 December 2003 (2003-12-05)
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Designated contracting state (EPC)

DE FR

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