

Title (en)

Microstrip line to waveguide transition and use of said transition

Title (de)

Übergang von einer Mikrostripleitung zu einem Hohlleiter sowie Verwendung eines solchen Übergangs

Title (fr)

Transition ligne microbande à guide d'ondes et utilisation d'une telle transition

Publication

**EP 0936692 A3 20010516 (DE)**

Application

**EP 99440016 A 19990129**

Priority

DE 19805911 A 19980213

Abstract (en)

[origin: EP0936692A2] A micro strip conductor (1) is formed on the metal base substrate (6) and is coupled to a monolithic integrated microwave circuit (7). A dielectric layer (3) is between the conductor and the base. The metal base is cut back to form a resonator region (2) and the conductor has a slit shaped aperture (5).

IPC 1-7

**H01P 5/107**

IPC 8 full level

**H01P 5/107** (2006.01)

CPC (source: EP US)

**H01P 5/107** (2013.01 - EP US)

Citation (search report)

- [XY] DE 4441073 C1 19960118 - ANT NACHRICHTENTECH [DE]
- [Y] EP 0281781 A1 19880914 - SHARP KK [JP]
- [A] US 5539361 A 19960723 - DAVIDOVITZ MARAT [US]
- [A] US 5384558 A 19950124 - MARUHASHI KENICHI [JP]
- [XY] STONES D I: "ANALYSIS AND DESIGN OF A NOVEL MICROSTRIP-TO-WAVEGUIDE TRANSITION/COMBINER", IEEE MTT-S INTERNATIONAL MICROWAVE SYMPOSIUM DIGEST, US, NEW YORK, IEEE, 23 May 1994 (1994-05-23), pages 217 - 220, XP000527274, ISBN: 0-7803-1779-3
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 352 (E - 1241) 29 July 1992 (1992-07-29)
- [DA] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01 30 January 1998 (1998-01-30)

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DOCDB simple family (publication)

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**EP 99440016 A 19990129**; CA 2260407 A 19990212; DE 19805911 A 19980213; JP 3176499 A 19990209; US 24944099 A 19990212