

Title (en)
MICROSTRIP TRANSITION

Title (de)
MIKROSTREIFENLEITUNGSÜBERGANG

Title (fr)
TRANSITION DE LIGNE MICRORUBAN

Publication
EP 1366538 B1 20071212 (EN)

Application
EP 02701844 A 20020304

Priority
• SE 0200365 W 20020304
• SE 0100725 A 20010305

Abstract (en)
[origin: WO02071533A8] A device for transferring microwaves between a mechanical waveguide (115) and a microstrip line, which microstrip line comprises a conductor (140) and an earth plane (150), which are arranged on each side of a dielectric substrate (130). The microstrip line is plane-parallel to the waveguide and the waveguide has a cavity (124) adjacent to that end of the waveguide into which the microstrip line is partly inserted. The cavity is formed, for example, in the bottom (120) of the waveguide and extends perpendicular to the direction of the microstrip line. The distance (D2) between the plane in which the centre axis of the microstrip line is located and the bottom of the cavity is between $\lambda/8$ and $3\lambda/8$.

IPC 8 full level
H01P 5/107 (2006.01)

CPC (source: EP)
H01P 5/107 (2013.01)

Cited by
US7752911B2; EP3565055B1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02071533 A1 20020912; WO 02071533 A8 20040603; AT E381118 T1 20071215; DE 60224012 D1 20080124; DE 60224012 T2 20081127; EP 1366538 A1 20031203; EP 1366538 B1 20071212; ES 2298344 T3 20080516; SE 0100725 D0 20010305; SE 0100725 L 20020906; SE 518679 C2 20021105

DOCDB simple family (application)
SE 0200365 W 20020304; AT 02701844 T 20020304; DE 60224012 T 20020304; EP 02701844 A 20020304; ES 02701844 T 20020304; SE 0100725 A 20010305