

Title (en)
Dielectric waveguide.

Title (de)
Dielektrischer Wellenleiter.

Title (fr)
Guide d'ondes diélectrique.

Publication
EP 0360415 B1 19940105 (EN)

Application
EP 89308429 A 19890818

Priority
JP 20617888 A 19880819

Abstract (en)
[origin: EP0360415A1] A high frequency transmission circuit (1) is provided comprising a continuously porous, planar dielectric sheet (2) having an electromagnetic wave propagating circuit (3,4) therein formed by a dielectric material of a higher permittivity impregnated into portions of the dielectric sheet (2) in the thickness direction thereof. The planar dielectric sheet (2) is preferably of porous expanded polytetrafluoroethylene, and the dielectric material used to form the electromagnetic wave propagating circuit may be tetrafluoroethylene-hexafluoropropylene copolymer, a tetrafluoroethylene-perfluoroalkylvinyl ether copolymer, a tetrafluoroethylene-ethylene copolymer or a tetrafluoroethylene dispersion.

IPC 1-7
H01P 3/16

IPC 8 full level
H01P 3/16 (2006.01)

CPC (source: EP)
H01P 3/16 (2013.01)

Cited by
KR100699655B1; EP1589605A4; US2014057094A1; US10194528B2; US7432038B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0360415 A1 19900328; EP 0360415 B1 19940105; AT E99838 T1 19940115; AU 3943889 A 19900222; DE 68912043 D1 19940217; DE 68912043 T2 19940714; GB 2222314 A 19900228; GB 8918931 D0 19890927; JP H0254602 A 19900223

DOCDB simple family (application)
EP 89308429 A 19890818; AT 89308429 T 19890818; AU 3943889 A 19890809; DE 68912043 T 19890818; GB 8918931 A 19890818; JP 20617888 A 19880819