

Title (en)
NON-RECIPROCAL CIRCUIT ELEMENT FOR MICROWAVE

Title (de)
NICHT-REZIPROKES SCHALTUNGSELEMENT FÜR MIKROWELLEN

Title (fr)
ELEMENT DE CIRCUIT NON RECIPROQUE POUR MICRO-ONDES

Publication
EP 0707353 A1 19960417 (EN)

Application
EP 94927809 A 19940929

Priority
• JP 9101194 A 19940428
• JP 9401623 W 19940929

Abstract (en)
Aimed at providing a microwave non-reciprocal circuit element which is further miniature and of low losses without causing conductor losses in center electrodes following miniaturization. The microwave non-reciprocal circuit element according to the present invention comprises a plurality of center electrodes which are arranged to intersect with each other in a state electrically insulated from each other, and a microwave magnetic or dielectric body which is arranged on an intersecting portion of the plurality of center electrodes, and the respective center electrodes are formed by a plurality of conductors 55, 56 and 57 which are stacked through the microwave magnetic or dielectric body. <IMAGE>

IPC 1-7
H01P 1/383; **H01P 11/00**

IPC 8 full level
H01P 1/36 (2006.01); **H01P 1/383** (2006.01); **H01P 1/387** (2006.01)

CPC (source: EP KR)
H01P 1/383 (2013.01 - EP KR); **H01P 1/387** (2013.01 - EP); **H01P 3/18** (2013.01 - KR)

Cited by
US5745015A; EP0858122A3

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9530252 A1 19951109; CN 1038543 C 19980527; CN 1120375 A 19960410; DE 69428793 D1 20011129; DE 69428793 T2 20020523; EP 0707353 A1 19960417; EP 0707353 A4 19960904; EP 0707353 B1 20011024; JP 3178239 B2 20010618; JP H07297607 A 19951110; KR 100310729 B1 20011018; KR 960701491 A 19960224

DOCDB simple family (application)
JP 9401623 W 19940929; CN 94191665 A 19940929; DE 69428793 T 19940929; EP 94927809 A 19940929; JP 9101194 A 19940428; KR 19950704076 A 19950923; KR 19997003647 A 19990426