

Title (en)

Nonreciprocal circuit device and communication device using same

Title (de)

Nichtreziproke Schaltungsanordnung und damit versehenes Kommunikationsgerät

Title (fr)

Dispositif de circuit non réciproque et appareil de communication le comportant

Publication

EP 1093181 A3 20020911 (EN)

Application

EP 00122447 A 20001013

Priority

- JP 29157799 A 19991013
- JP 2000271671 A 20000907

Abstract (en)

[origin: EP1093181A2] In the structure in which a substrate (14) is provided with first and second center electrodes (4a, 4b), and is disposed between a ferrite sheet (5) and a magnet (6) , solder resist films are provided on the surfaces of the substrate (14). The magnet (6) and the center electrodes (4a, 4b) are separated from each other by means of the solder resin films, whereby the conductor loss, caused by high frequency current flowing in the magnet (6), is suppressed. Thus, the insertion loss of the nonreciprocal circuit device is reduced. <IMAGE>

IPC 1-7

H01P 1/387

IPC 8 full level

H01P 1/36 (2006.01); **H01P 1/32** (2006.01); **H01P 1/383** (2006.01); **H01P 1/387** (2006.01)

CPC (source: EP KR)

H01P 1/32 (2013.01 - KR); **H01P 1/387** (2013.01 - EP KR); **H01P 1/36** (2013.01 - KR); **H01P 1/383** (2013.01 - KR)

Citation (search report)

- [XAY] EP 0948079 A1 19991006 - MURATA MANUFACTURING CO [JP]
- [YA] US 4016510 A 19770405 - HODGES III EUGENE WALTON, et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 12 29 October 1999 (1999-10-29)

Cited by

WO03105186A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1093181 A2 20010418; **EP 1093181 A3 20020911**; JP 2001185912 A 20010706; KR 100347669 B1 20020807; KR 20010051022 A 20010625

DOCDB simple family (application)

EP 00122447 A 20001013; JP 2000271671 A 20000907; KR 20000060311 A 20001013