

Title (en)

ELECTRICAL CIRCUIT USING LOW VOLUME MULTILAYER TRANSMISSION LINE DEVICES

Title (de)

ELEKTRISCHE SCHALTUNG MIT MEHRSCICHTIGEN ÜBERTRAGUNGSLEITUNGSVORRICHTUNGEN NIEDRIGEN VOLUMENS

Title (fr)

CIRCUIT ELECTRIQUE COMPRENANT DES DISPOSITIFS A LIGNE DE TRANSMISSION A COUCHES MULTIPLES ET DE FAIBLE ENCOMBREMENT

Publication

**EP 0700584 A4 19960515 (EN)**

Application

**EP 95906635 A 19941212**

Priority

- US 18795194 A 19940128
- US 18796794 A 19940128
- US 18903094 A 19940128
- US 9414377 W 19941212

Abstract (en)

[origin: WO9520829A1] A transmission line device (200) employs a first ground plane (118) that is disposed on a first dielectric substrate (202). A first conductive layer (210) that encloses a first area (213) is disposed on a second dielectric substrate (206), which substrate is positioned substantially adjacent to the first dielectric substrate (202). A second conductive layer (211) that encloses an area corresponding to the first area (213) is disposed on a third dielectric substrate (207), which substrate is positioned substantially adjacent to the second dielectric substrate (206). A coil structure is thereby provided that can be employed in the fabrication of a transmission line device, according to the invention.

IPC 1-7

**H01P 1/18**; **H01P 3/08**; **H01P 5/12**

IPC 8 full level

**H01F 17/00** (2006.01); **H01P 3/08** (2006.01); **H01P 5/12** (2006.01)

CPC (source: EP)

**H01P 3/088** (2013.01); **H01P 5/12** (2013.01); **H01F 2017/004** (2013.01)

Citation (search report)

- [X] DE 4239990 A1 19930603 - MURATA MANUFACTURING CO [JP]
- [X] US 3164790 A 19650105 - OH LUIS L
- See references of WO 9520829A1

Designated contracting state (EPC)

IE NL SE

DOCDB simple family (publication)

**WO 9520829 A1 19950803**; AU 1513795 A 19950815; EP 0700584 A1 19960313; EP 0700584 A4 19960515; JP H08508615 A 19960910

DOCDB simple family (application)

**US 9414377 W 19941212**; AU 1513795 A 19941212; EP 95906635 A 19941212; JP 52003894 A 19941212