

Title (en)

PAIRED MULTI-LAYERED DIELECTRIC INDEPENDENT PASSIVE COMPONENT ARCHITECTURE RESULTING IN DIFFERENTIAL AND COMMON MODE FILTERING WITH SURGE PROTECTION IN ONE INTEGRATED PACKAGE

Title (de)

ARCHITEKTUR MIT PAARWEISE MEHRLAGIG ANGEORDNETEN DIELEKTRISCH UNABHÄNGIGEN PASSIVEN KOMPONENTEN ZUR DIFFERENTIAL- UND GLEICHTAKTFILTERUNG MIT ÜBERSpannungSSCHUTZ IN EINER INTEGRIERTEN PACKUNG

Title (fr)

ARCHITECTURE DE COMPOSANTS PASSIFS INDEPENDANTS DU DIELECTRIQUE MULTICOUCHES APPARIES PRODUISANT UN FILTRAGE DIFFERENTIEL ET EN MODE COMMUN AVEC PROTECTION CONTRE LES SURTENSIONS, CONTENUS DANS UN SEUL BOITIER INTEGRE

Publication

**EP 1050093 A4 20041117 (EN)**

Application

**EP 99902340 A 19990116**

Priority

- US 9901040 W 19990116
- US 876998 A 19980119
- US 5637998 A 19980407

Abstract (en)

[origin: WO937008A1] The present invention relates to a passive electronic component architecture (10) employed in conjunction with various dielectric (16) and combinations of dielectric materials to provide one or more differential and common mode filters (12) for the suppression of electromagnetic emissions and surge protection. The architecture allows single or multiple components (22) to be assembled within a single package (10) such as an integrated circuit or connector. The component's architecture is dielectric independent and provides for integration of various electrical characteristics within a single component to perform the functions of filtering, decoupling, fusing and surge suppression, alone or in combination.

IPC 1-7

**H02H 9/00**; **H03H 1/00**; **H03H 7/01**

IPC 8 full level

**H01F 27/28** (2006.01); **H01G 4/35** (2006.01); **H02H 9/04** (2006.01); **H03H 1/00** (2006.01); **H03H 7/09** (2006.01); **H05K 1/14** (2006.01); **H05K 1/16** (2006.01); **H05K 3/34** (2006.01)

CPC (source: EP KR)

**H01G 4/35** (2013.01 - EP); **H02H 9/00** (2013.01 - KR); **H03H 1/0007** (2013.01 - EP); **H03H 7/427** (2013.01 - EP); **H05K 1/141** (2013.01 - EP); **H05K 1/162** (2013.01 - EP); **H05K 3/3436** (2013.01 - EP)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9937008A1

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)

**WO 9937008 A1 19990722**; AU 2234799 A 19990802; CN 1293831 A 20010502; EP 1050093 A1 20001108; EP 1050093 A4 20041117; JP 2002510188 A 20020402; JP 2008099326 A 20080424; JP 4078804 B2 20080423; KR 100385302 B1 20030523; KR 20010034149 A 20010425

DOCDB simple family (application)

**US 9901040 W 19990116**; AU 2234799 A 19990116; CN 99804153 A 19990116; EP 99902340 A 19990116; JP 2000540610 A 19990116; JP 2007316468 A 20071207; KR 20007007769 A 20000714