

Title (en)

Dielectric structures in connectors

Title (de)

Dielektrische Strukturen in Verbindern

Title (fr)

Structures diélectriques dans des connecteurs

Publication

**EP 1303010 B1 20050413 (EN)**

Application

**EP 01124569 A 20011015**

Priority

EP 01124569 A 20011015

Abstract (en)

[origin: EP1303010A1] The invention relates to the use of a specific polymeric material for various dielectric structures in electrical connectors such as connectors for coaxial cables. These structures must on the one hand be able to withstand large forces both during mounting of the connector on the cable, provide a stable attachment of the various parts of the connector over wide temperature ranges and occasionally at the presence of various chemical agents and at the same time have appropriate electrical characteristics. Especially for high frequency connectors the dielectric constant of such structures must be kept sufficiently low in order to yield satisfactory high frequency transmission through the connector. The invention thus discloses the application of a specific material for these purposes and a connector in which this material has been applied. <IMAGE>

IPC 1-7

**H01R 13/646**

IPC 8 full level

**H01R 9/05** (2006.01); **H01R 13/646** (2011.01)

CPC (source: EP)

**H01R 9/05** (2013.01); **H01R 24/40** (2013.01); **H01R 2103/00** (2013.01)

Cited by

US7077700B2; US7104839B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1303010 A1 20030416**; **EP 1303010 B1 20050413**; AT E293299 T1 20050415; DE 60110082 D1 20050519; DE 60110082 T2 20050929; DK 1303010 T3 20050530; ES 2240303 T3 20051016

DOCDB simple family (application)

**EP 01124569 A 20011015**; AT 01124569 T 20011015; DE 60110082 T 20011015; DK 01124569 T 20011015; ES 01124569 T 20011015