

Title (en)  
ASSEMBLY COMPRISING A CONTROLLED-IMPEDANCE CABLE TERMINATION WITH COMPENSATION FOR CABLE EXPANSION AND CONTRACTION AND A CABLE

Title (de)  
ANORDNUNG MIT KABELANSCHLUSS MIT KONTROLLIERTER IMPEDANZ MIT KOMPENSIERUNG DER KABELEXPANSION UND - KONTRAKTION UND EINEM KABEL

Title (fr)  
ENSEMBLE COMPRENANT UNE TERMINAISON DE CÂBLE À IMPÉDANCE COMMANDÉE AVEC COMPENSATION DE D'EXPANSION ET DE CONTRACTION DE CÂBLE ET UN CÂBLE

Publication  
**EP 3132509 A1 20170222 (EN)**

Application  
**EP 15780523 A 20150414**

Priority  
• US 201461980040 P 20140415  
• US 2015025743 W 20150414

Abstract (en)  
[origin: WO2015160802A1] A controlled-impedance cable terminator (10) that minimizes the effects of cable expansion and contraction on impedance matching. The terminator (10) has an anchor block (18), an expansion/contraction compensator (ECC) (16) attached to the cable (40), a compliant signal contact (12) for making the electrical connection between the cable center conductor (42) and the electrical device (2). The ECC (16) has an electrically-conductive ferrule (62) with a bore (64). The ferrule bore (190) may be formed in the anchor block (18) instead of in a separate ferrule (38). The cable shield (46) is attached at the bore (64). A solid dielectric insert (74) fits into the ferrule bore (64). An electrically-conductive center pin (78) fits into a bore (76) in the dielectric insert (74) and has a bore (80) that accepts the center conductor (42) such that the center conductor (42) can expand and contracting while maintaining electrical contact with the center pin (78). A plate (20) abuts the anchor block face (34) and holds the compliant contacts (12, 14) in through apertures (352).

IPC 8 full level  
**H01R 24/38** (2011.01); **H01R 12/77** (2011.01); **H01R 13/646** (2011.01)

CPC (source: EP)  
**H01R 13/6473** (2013.01); **H01R 24/44** (2013.01)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2015160802 A1 20151022**; EP 3132509 A1 20170222; EP 3132509 A4 20171018; EP 3132509 B1 20190828

DOCDB simple family (application)  
**US 2015025743 W 20150414**; EP 15780523 A 20150414