

Title (en)

CONTROLLED-IMPEDANCE CABLE TERMINATION USING COMPLIANT INTERCONNECT ELEMENTS

Title (de)

KABELABSCHLUSS MIT KONTROLLIERTER IMPEDANZ MIT FLEXIBLEN VERBINDUNGSELEMENTEN

Title (fr)

EXTRÉMITÉ DE CÂBLE À IMPÉDANCE CONTRÔLÉE UTILISANT DES ÉLÉMENTS D'INTERCONNEXION CONFORMES

Publication

**EP 3216091 A1 20170913 (EN)**

Application

**EP 14905418 A 20141106**

Priority

US 2014064216 W 20141106

Abstract (en)

[origin: WO2016072986A1] An apparatus (10) for terminating a controlled-impedance cable (30) using compliant electrical contacts (12, 14) to provide an interface to another device (2). The terminator (10) includes a nonconductive anchor block (16) for securing the cable (30). A conductive ferrule (330) is installed on the cable shield (36) and the cable end (332) is dressed. The ferrule/cable assembly (8) is installed in a through hole (334) in the anchor block so the cable end (332) is flush with the anchor block face (20). An insulating or conductive plate (18) mounted to the anchor block (16) holds the signal contact (12) that electrically connects the center conductor (32) to the device (2) and optional ground contacts (14) that electrically connect the ferrule (330) to the device (2). The ground contacts (14) surround the signal contact (12) in a pattern that closely mimics the impedance environment of the cable (30). When using a conductive plate (18), the signal contact (12) is insulated from the plate (18) by an insulating centering plug (90) or a non-conductive coating.

IPC 8 full level

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CPC (source: EP)

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