

Title (en)

Uncase data bus coupler and coupling method.

Title (de)

Gehäuseloger Leitungsverbinder für Datenübermittlung und Koppelungsmethode.

Title (fr)

Connecteur de ligne sans boîtier pour transmission de données et méthode de couplage.

Publication

**EP 0482973 A2 19920429 (EN)**

Application

**EP 91402581 A 19910926**

Priority

US 58872890 A 19900927

Abstract (en)

A cable coupling, particularly for data buses, includes a transformer (23) and resistors (28, 29) to which the cables (1, 2, 3) are directly wired. The components and all electrical connections are enclosed in a heat shrinkable tubing (35) or sleeve filled with liquid encapsulant (34). Upon application of heat, the tubing shrinks causing the encapsulant (34) to fill all voids between components. The encapsulant (34) is then cured to provide an uncased coupling assembly which protects the components and electrical connections from beakage, while eliminating the need for a separate rigid housing. An overbraided shield and environmental seal may subsequently be added to provide further protection for the coupling.  
<IMAGE>

IPC 1-7

**H01R 4/72**; **H01R 9/05**; **H01R 13/66**

IPC 8 full level

**H01B 7/00** (2006.01); **H01B 13/00** (2006.01); **H01R 4/70** (2006.01); **H01R 4/72** (2006.01); **H01R 13/66** (2006.01)

CPC (source: EP)

**H01R 4/72** (2013.01); **H01R 13/66** (2013.01)

Cited by

EP0793308A1; US5949300A

Designated contracting state (EPC)

CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

**EP 0482973 A2 19920429**; **EP 0482973 A3 19920513**; CA 2052206 A1 19920328; JP H04262307 A 19920917; US 5128498 A 19920707

DOCDB simple family (application)

**EP 91402581 A 19910926**; CA 2052206 A 19910925; JP 24741191 A 19910926; US 58872890 A 19900927