

Title (en)
UNCASE DATA BUS COUPLER AND COUPLING METHOD

Publication
EP 0482973 A3 19920513 (EN)

Application
EP 91402581 A 19910926

Priority
US 58872890 A 19900927

Abstract (en)
[origin: EP0482973A2] 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 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)

Citation (search report)
• [X] EP 0136154 A2 19850403 - RAYCHEM CORP [US]
• [X] US 4450318 A 19840522 - SCARDINA VIRGIL R [US], et al
• [X] US 3889047 A 19750610 - CARVER DAVID
• [X] GB 1278171 A 19720614 - S I R T I SOC IT RETI TELEFONI [IT]
• [A] EP 0063913 A2 19821103 - SUMITOMO ELECTRIC INDUSTRIES [JP]
• [A] AU 6971287 A 19870910 - ERICSSON AU PTY LTD
• [APD] EP 0448230 A2 19910925 - AMPHENOL CORP [US]

Cited by
EP0793308A1; US5949300A

Designated contracting state (EPC)
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EP 0482973 A2 19920429; **EP 0482973 A3 19920513**; CA 2052206 A1 19920328; JP H04262307 A 19920917; US 5128498 A 19920707

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