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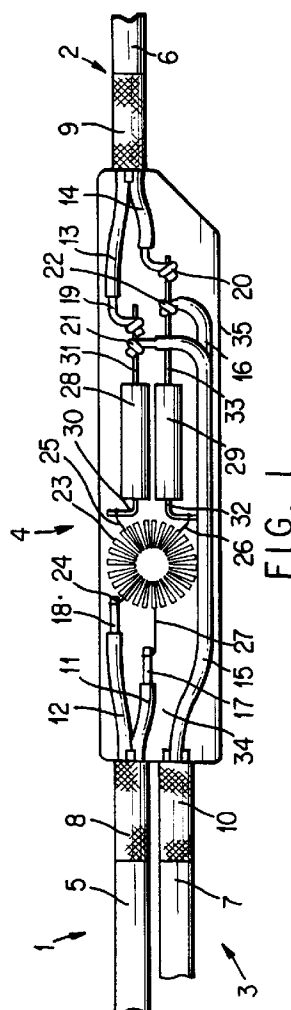
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(54) **Uncase data bus coupler and coupling method.**

(57) 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.





European Patent
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EUROPEAN SEARCH REPORT

Application Number

EP 91 40 2581

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	EP-A-0 136 154 (RAYCHEM) * the whole document * ---	1,2, 9-14, 16-18	H01R13/66 H01R9/05 H01R4/72
X	US-A-4 450 318 (V.R. SCARDINA) * column 2, line 57 - line 59 * * column 3, line 56 - line 60; figure 1 * ---	1,2,8,9, 14,16	
X	US-A-3 889 047 (D. CARVER) * column 2, line 52 - line 68; figures 3,4 * ---	1,2,9, 14,16	
X	GB-A-1 278 171 (S.I.R.T.I.) * column 3, line 25 - line 51; figures 5-7 * ---	1,2,9,10	
A	EP-A-0 063 913 (SUMITOMO) * abstract; figure 1 * ---	1,2,9, 14,16	
A	AU-D-6 971 287 (ERICSSON) * figure 1 * ---	3,7,15	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
P,D, A	EP-A-0 448 230 (AMPHENOL) * column 4, line 6 - line 19; figures 5,6 * -----	10-13, 17,18	H01R H02G H01F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13 MARCH 1992	Examiner LOMMEL A.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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