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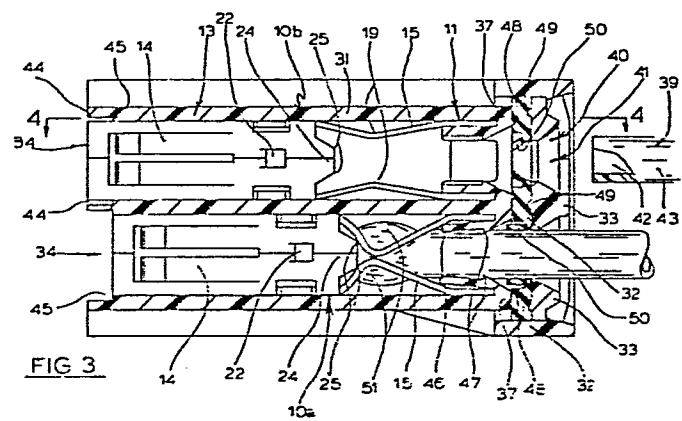
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(54) Insulation displacement terminal for an electrical connector and environmental sealing means therefor.

(57) A collapsible insulation displacement terminal (10a or 10b), responsive to an actuating force directed along the length of a wire (39) received in the terminal, includes a metallic body with a pair of side portions (19) positionable on opposite sides of an insulation covered wire (39). Each side portion includes a weakened intermediate region with an aperture (20 see Figure 1) defined therein. When the terminal is compressed by a force applied generally parallel to the length of the wire, the intermediate regions (19) collapse inwardly of the terminal body toward one another. In the process, a contact edge defined by the apertures (20) severs the insulation covering the wire and produces an electrical connection between the central core of the wire and the terminal. In a further embodiment, the positions of the intermediate regions (19) of the side portions may be offset with respect to one another so that the two intermediate portions do not interfere with one another during their inward severing action. The terminal may be adapted for use with a coaxial cable wherein the intermediate portions (19) produce an electrical connection only with the shielding conductor of the cable. A dielectric housing (30 see also Figure 2) for the terminal may include pre-assembled sealing means (32, 33) through which the wire (39) is inserted prior to application of the collapsing force to the terminal.





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. 7)
X	EP-A-0 000 624 (AMP) * Abstract; figures *	1, 8, 12 22, 24	H 01 R 4/24
X	GB-A-1 109 914 (E.L. HUTCHINGS) * Figure 4 *	1, 12, 18, 20, 22	
A	US-A-2 035 947 (C.H. DAVIS) * Figures; page 1, right-hand column, line 55 - page 2, left-hand column, line 56 *	1, 18, 19	
A	US-A-4 090 764 (THE DEUTSCH CO.) * Column 2, lines 56-59; figures *	15, 16	TECHNICAL FIELDS SEARCHED (Int. Cl. 7) H 01 R
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10-09-1985	Examiner RAMBOER P.
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			