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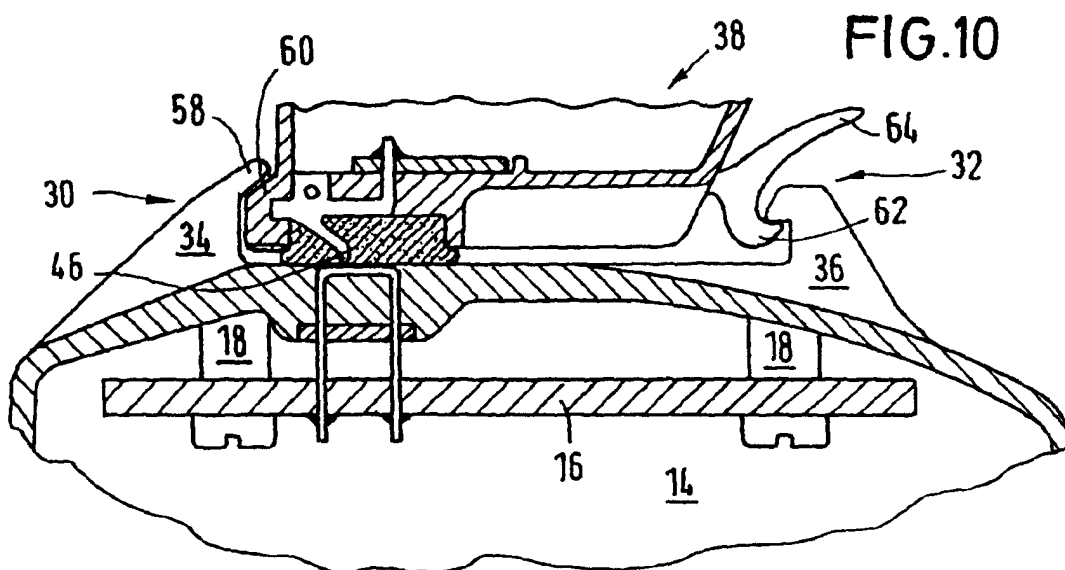
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(54) **Contact device**

(57) The invention relates to a contact device for connecting multi-wire lines in a moist or wet environment. The device comprises first and second housing portions (14,38), each portion including a plurality of contacts (20,42). It is the underlying objective to provide electrical connection between these contacts (20,42) without moisture or conducting fluid bridging over these

contacts. This object is obtained by the provision of a pad (48) at the second housing portion (38) which pad (48) encloses the contacts (42) of said second housing portion (38) and comprises an elastic, electrically insulating and water-imprevious material, and the contacts (42) extend into said pad (48) to such an extent that they pierce it when pressure is applied.





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 98 25 0379

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.6)
A	PATENT ABSTRACTS OF JAPAN vol. 097, no. 010, 31 October 1997 (1997-10-31) & JP 09 147968 A (SUMITOMO WIRING SYST LTD), 6 June 1997 (1997-06-06) * abstract *	1	H01R13/24 H01R13/52
A	US 4 997 392 A (LEE CHEE A) 5 March 1991 (1991-03-05) * abstract *	1	
A	US 5 645 438 A (CAIRNS JAMES L) 8 July 1997 (1997-07-08) * abstract *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H01R
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21 September 1999	Examiner Demolder, J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 98 25 0379

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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21-09-1999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 09147968 A	06-06-1997	NONE	
US 4997392 A	05-03-1991	NONE	
US 5645438 A	08-07-1997	AU 4702196 A	07-08-1996
		EP 0804747 A	05-11-1997
		WO 9622554 A	25-07-1996
		US 5685727 A	11-11-1997
		US 5722842 A	03-03-1998

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82