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(71) Applicant:
THE WHITAKER CORPORATION
Wilmington, Delaware 19808 (US)

(72) Inventors:
• **Hotea, Gheorghe**
D-64347 Griesheim (DE)
• **Wittig, Lutz**
D-63225 Langen (DE)

(74) Representative:
Heinz-Schäfer, Marion
AMP International Enterprises Limited
Ampèrestrasse 3
9323 Steinach (SG) (CH)

(54) **Insulation displacement contact for multiple wire sizes**

(57) An electrical connector assembly comprising an electrical terminal (2) seated within a housing (60), said terminal (2) including an insulation displacement contact (IDC) section (6) adapted for receiving a multitude of through wire diameters along the length thereof and a conductor engaging section (4) for electrical

engagement with a mating wire end (8) where said assembly has a first position (Figure 5) with the terminal (6) in the housing (60) and the IDC section (6) is open for engaging the wire along the length thereof.

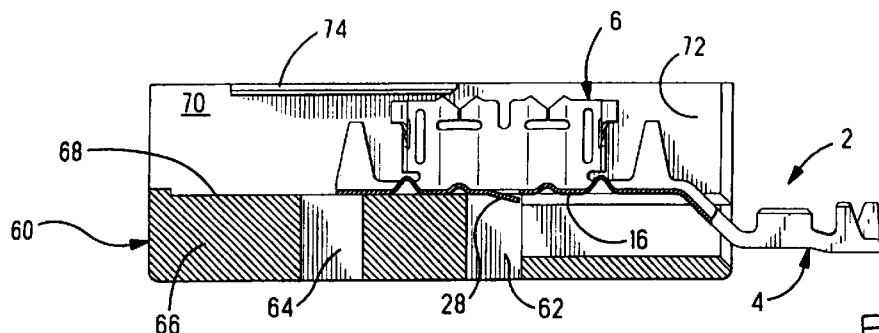


Fig. 5



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EUROPEAN SEARCH REPORT

Application Number
EP 95 11 9813

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	US 4 840 578 A (SATO KENSAKU) 20 June 1989 * abstract; claims 1,5; figures 2,5,7,8 *	1,4,5,9	H01R4/24
A	EP 0 600 418 A (WHITAKER CORP) 8 June 1994 * figures 1,2,7,8 *	1,5	
A	US 4 208 083 A (KIRBY EDWARD) 17 June 1980 * figures 5-7,10,11 *	1,3	
A	EP 0 197 642 A (MOLEX INC) 15 October 1986 * figures 1-3 *	1,2	
A	WO 87 02516 A (PANDUIT CORP) 23 April 1987 * figures 1-3 * * page 5, line 12-24 *	1,2	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H01R
Place of search		Date of completion of the search	Examiner
THE HAGUE		2 March 1999	Durand, F
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 95 11 9813

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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02-03-1999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4840578 A	20-06-1989	JP 1747302 C	25-03-1993
		JP 4024832 B	28-04-1992
		JP 63164178 A	07-07-1988
EP 0600418 A	08-06-1994	DE 69317219 D	09-04-1998
		DE 69317219 T	06-08-1998
		US 5435754 A	25-07-1995
US 4208083 A	17-06-1980	NONE	
EP 0197642 A	15-10-1986	US 4620766 A	04-11-1986
		DE 3682803 A	23-01-1992
		JP 1473849 C	27-12-1988
		JP 61227379 A	09-10-1986
		JP 63023624 B	17-05-1988
WO 8702516 A	23-04-1987	US 4983130 A	08-01-1991
		AU 6540186 A	05-05-1987
		CA 1240748 A	16-08-1988
		DE 3685490 A	02-07-1992
		EP 0240552 A	14-10-1987
		JP 63501046 T	14-04-1988