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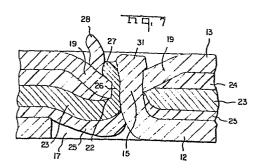
(84) Designated Contracting States: AT BE CH DE FR GB IT LI NL SE (7) Applicant: AMP INCORPORATED Eisenhower Boulevard Harrisburg Pennsylvania(US)

(72) Inventor: Weisenburger, Lawrence Paul 5108 Beulah Lane Kernersville North Carolina 27284(US)

Representative: Wayte, Dennis Travers et al, 20 Queensmere Slough, Berkshire SL1 1YZ(GB)

54) Termination and terminal for ribbon conductors.

(57) An electrical terminal (11) for flat cable (23, 24, 25) comprising first and second metal plate (12, 12') portions having a cable penetrating tab-like lance (15 or 15') with parallel opposite edge portions and a socket (16 or 16') aligned with the lance (15 or 15'), respectively, the socket (16 or 16') having lips (19) pushed out of the plane of the plate portion (12') and converging towards their free ends to define a slot-form lance receiving mouth (21). During termination, the cable (23, 24, 25) will be penetrated by the lance (15 or 15') and a portion (27) of the cable conductor (23) will be drawn into the mouth (21) by the lance (15 or 15') and compressed between and in direct contact with a face of the lance and one lip (19). A portion of the cable (23, 24, 25) is deformed during termination, into an aperture (17 or 17') provided in the first metal plate (12) during formation of the lance and ribbon conductor material is displaced from between the face of the lance (15 or 15') and one lip (19) further into the socket (16 or 16').





## **EUROPEAN SEARCH REPORT**

EP 82 30 6931

DOCUMENTS CONSIDERED TO BE RELEVANT				
Category		n indication, where appropriate, ant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CI. 3)
D,Y	US-A-3 851 945 * Column 1, li line 14; figures	ne 64 - column 2,	1-3	H 01 R 4/24
Y	ELECTRONICS, vol 8th December 196 New York, USA J. MITTLEMAN: " num wire reliabl	9, pages 94-98, Connecting alumi-	1	
A	US-A-3 553 347 * Figures *	(POSTMASTER)	1,4	
D,A	US-A-3 997 233 * Figures *	(DU PONT)	1	
A	US-A-3 594 704 * Column 3, line	(RAYCHEM) es 1-20; figures *	1,3,4	TECHNICAL FIELDS SEARCHED (Int. Ci. 3)
A		(THOMAS & BETTS) 7 - page 11, line	1,6	H 01 R 9 H 01 R 23
A	US-A-3 504 101 * Figures *	(AMP)	1,6	
		<b></b>		
	The present search report has b	peen drawn up for all claims		
Place of search Date of completion of THE HAGUE 22-04-		Date of completion of the search 22-04-1983	RAMBO	Examiner DER P.
Y:p d A:te	CATEGORY OF CITED DOCL articularly relevant if taken alone articularly relevant if combined w ocument of the same category en-written disclosure on-written disclosure attermediate document	E: earlier pa after the vith another D: documer L: documer	itent document, filing date at cited in the ap at cited for other of the same pate.	lying the invention but published on, or plication reasons ent family, corresponding