11) Publication number:

0 183 487

**A3** 

(12)

## **EUROPEAN PATENT APPLICATION**

21 Application number: 85308468.9

(51) Int. Cl.3: H 01 R 13/436

22 Date of filing: 21.11.85

30 Priority: 29.11.84 GB 8430151

(43) Date of publication of application: 04.06.86 Bulletin 86/23

88 Date of deferred publication of search report: 22.07.87

(84) Designated Contracting States: DE FR GB IT NL SE 71) Applicant: LUCAS INDUSTRIES Public limited company
Great King Street
Birmingham, B19 2XF West Midlands(GB)

Inventor: Crinson, Andrew Lee 21 Belfield Avenue May Bank Newcastle Staffs, ST5 9NG(GB)

74 Representative: Carpenter, David et al,
MARKS & CLERK Alpha Tower Suffolk Street Queensway
Birmingham B1 1TT(GB)

## .54) Electrical connectors.

(57) An electrical connector including a moulded synthetic resin body (11) having therein a plurality of parallel passages (12) receiving respective electrical terminals (13). The terminals (13) are inserted into their respective passages from a rear end of the body, and each terminal includes integral latch means intended to co-operate with the body to resist withdrawal of the terminal from its respective passage in a direction opposite the direction of insertion. Each terminal (13) further includes an abutment (24), and the connector includes a terminal retainer (15) engageable with the body, said terminal retainer when engaged with the body, co-operating with said abutments (24) of said terminals to prevent withdrawal of said terminals from their respective passages. The terminal retainer (15), when engaged with the body, embraces the rear end region of the body, wall portions (16) of the retainer (15) extending along opposite outer walls of the body from the rear end of the body towards the front end and engaging beneath undercut shoulders (17a) of said walls of the body, whereby rearward movement of the terminal retainer (15) relative to the body (11) is prevented.

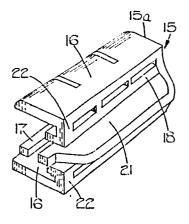


FIG2



## **EUROPEAN SEARCH REPORT**

Application number

EP 85 30 8468

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.4)		
Y,D	GB-A-2 081 526 INDUSTRIES) * Page 1, line 1 83; figures 3,7	24 - page 2, 1	ine 1		н 01	R	13/436
Y	GB-A-2 026 790 WEIDMÜLLER) * Page 1, lines *	- (C.A. 92-113; figur	re 2				
x	GB-A-1 491 217 * Page 2, lines 1,2 *	- (AMP) 23-73; figu	ires 2				
x	US-A-3 501 736 (D.E. NORRIS)  * Column 1, line 33 - column 2, line 22; figures 4,5 *		3				L FIELDS (Int CI 4)
					н 01	R	13/00
	The present search report has t	een drawn up for all claims					
	Place of search	Date of completion of the	ne search	<del></del>	Exa	miner	
	THE HAGUE	01-04-198	7	CRIÇ	QUI J.	J.	
Y: pa de A: te O: ne	CATEGORY OF CITED DOCL articularly relevant if taken alone articularly relevant if combined w ocument of the same category ichnological background on-written disclosure attermediate document	ith another D: 6	heory or principarlier patent de after the filing di document cited document cited member of the s	ocument ate in the ap for othe	, but publication reasons	shed c	on, or