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54 **Electrical connectors.**

57 A quick release electrical connector comprises a plug part (101) and a socket part (100). A coupling sleeve (103) is mounted on the plug part (101) and is rotatable about the longitudinal axis of the connector. The coupling sleeve (103) is operative for screwing the plug part (101) and the socket part (100) together. A thrust washer (112) is disposed between the coupling sleeve and the plug part (101) and is

provided with a ratchet means operative to permit rotation of the coupling sleeve (103) in one direction with a lower torque than that required to effect rotation of the coupling sleeve in the opposite direction. The thrust washer (112) therefore serves to prevent or at least reduce the possibility that the plug and socket parts may become inadvertently disconnected when subjected to vibration.

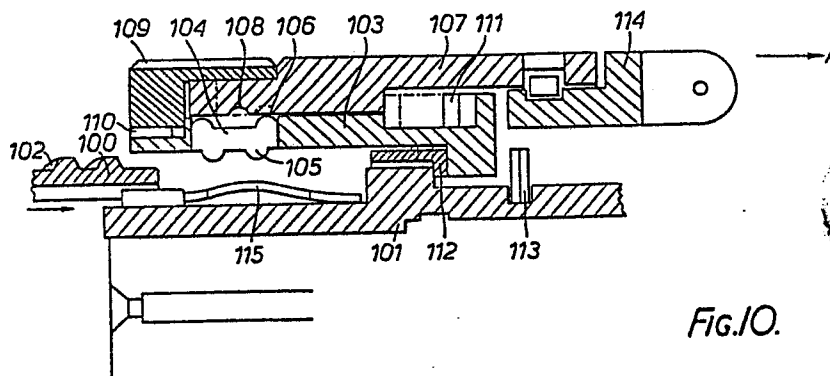


FIG.10.



European Patent
Office

EUROPEAN SEARCH REPORT

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EP 85 30 1942

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)
X	GB-A-2 109 645 (MATRIX SCIENCE CORP.) * page 2, lines 67-76; figures 3-5 *	1	H 01 R 13/639 H 01 R 13/62 H 01 R 13/633
Y	US-A-4 109 990 (C.R. WALDRON et al.) * abstract; figures 1-6 *	1,3-5, 7,12, 14	
A	* column 2, lines 65-69; figure 1 *	13	
Y	FR-A-1 464 746 (COMPAGNIE DEUTSCH) * page 3, lines 92-102; page 5, lines 34-46; figures 2, 3 *	1,3-5, 7,12, 14	TECHNICAL FIELDS SEARCHED (Int Cl 4)
A	GB-A-2 054 980 (THE BENDIX CORP.) * page 2, lines 82-94; figures 1-5 *	1,3,4, 5,7,12, 14	H 01 R 13/00
A	US-A-3 594 700 (J.A. NAVA et al.) * column 3, line 51 - column 4, line 50; figures 1-4 *	1,2	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 10-10-1986	Examiner LEOUFFRE M.

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
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P : intermediate document

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