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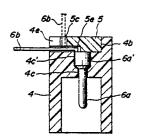
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(54) Contact fixing structure for connector.

(57) A contact fixing structure for an electrical connector, particularly miniaturized multi-contact connector including an insulating housing, a fixing plate and a plurality of contacts each having a contact element (6a) and a thin contact tail (6b) electrically connected to the contact element and extending substantially perpendicularly to the contact element. The structure comprises a fixing plate fitting portion (4b) formed in the insulating housing for fitting the fixing plate (5) therein, contact insert apertures formed in the fixing plate fitting portion (4b) to fix the contact elements inserted in the contact insert apertures (4c, 4c') by the fixing plate (5) fitted in the fixing plate fitting portion of the insulating housing, and contact tail extending grooves (4e) formed in at

least one of the insulating housing and the fixing plate and being somewhat larger than the contact tails for extending the contact tails (6b) of the contacts out of the insulating housing when the contact elements are inserted in the contact insert apertures and fixed therein by the fixing plate.

FIG.3c





EUROPEAN SEARCH REPORT

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Category	Citation of document with ind of relevant pass	ication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)	
X	US-A-3 553 632 (AMP * Column 2, line 11 29; figures 3,4 *) - column 3, line	1,3-6	H 01 R 13/436	
Y	-		2		
Y	DE-A-2 049 930 (PAN * Page 1, line 5 - p page 4, lines 12-18; 	age 2, line 11;	2		
				TECHNICAL FIELDS SEARCHED (Int. Cl.4)	
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	The precent courch report has been	n drawn up for all plains			
The present search report has been drawn up for all claims Place of search Date of completion of the search			Examiner		
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