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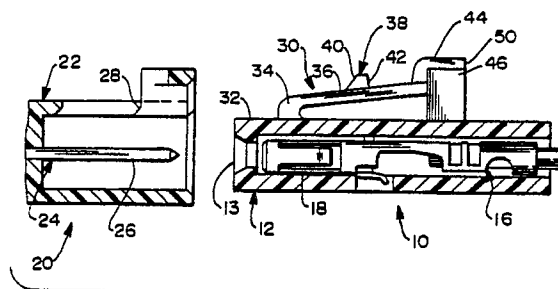
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## (54) **Electrical connector having anti-overstress latch.**

(57) The connector housing (12) has a latch structure (30) releasably engageable with corresponding structure (28) on a mateable electrical connector housing (22). The latch structure (30) resiliently and deflectably extends from a base (34) moulded unitarily with the housing (12). Ribs (46,48) (see Fig. 2) extend from the surface (32) of the housing (12) adjacent the deflectable end of the latch structure (30) to prevent the entry of cables or the like into the space between the latch structure (30) and the housing (12) thus entangling and "fishhooking" the cables. The ribs (46,48) for preventing such fishhooking have arms (52,54) engageable with the latch structure (30) to prevent overstressing of the latch structure by bending in a direction away from the surface (32). Side walls (160,162) (see Fig. 5) disposed in spaced relationship to the latch structure (30) may further prevent overstressing of the latch structure (30) by side way deflection and also fish-

hooking of adjacent cables. In a still further embodiment the latch structure (30) is in the form of a deflectable beam (210) (see Fig. 8) having both ends fixed, the beam being formed integrally with anti-fishhooking ribs (226,228) at its end remote from its base (214).



**FIG.1**



EP 89 30 8379

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.5)
A	EP-A-28120 (FORD MOTOR COMPANY LIMITED) * page 6, lines 7 - 15; claim 1; figure 1 *	1	H01R13/627
D	& US-A-4272145 (LADUKE) ---		
D,A	US-A-3179738 (RENE DE LYON) * column 3, lines 14 - 35 * * column 1, lines 10 - 22; figure 1 *	1	
A	GB-A-2177266 (AMP) * page 1, line 122 - page 2, line 79; figures 1, 2 *	1	
A	EP-A-6183 (MAGNETIC CONTROLS COMPANY) * abstract *	1	
A	WO-A-8505501 (AMP) * claim 1; figures 1-3 *	1	
D	& US-A-4640566 (MATSUSAKA) ---		
D,A	US-A-4462654 (AIELLO) * abstract *	1	
A	EP-A-116426 (AMP) * abstract *	1	
D	& US-A-4582378 (FRUCHARD) ---		
D,A	US-A-4105275 (DIXON ET AL.) * abstract *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H01R
Place of search		Date of completion of the search	Examiner
BERLIN		20 SEPTEMBER 1990	CLOSA, D
CATEGORY OF CITED DOCUMENTS			
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