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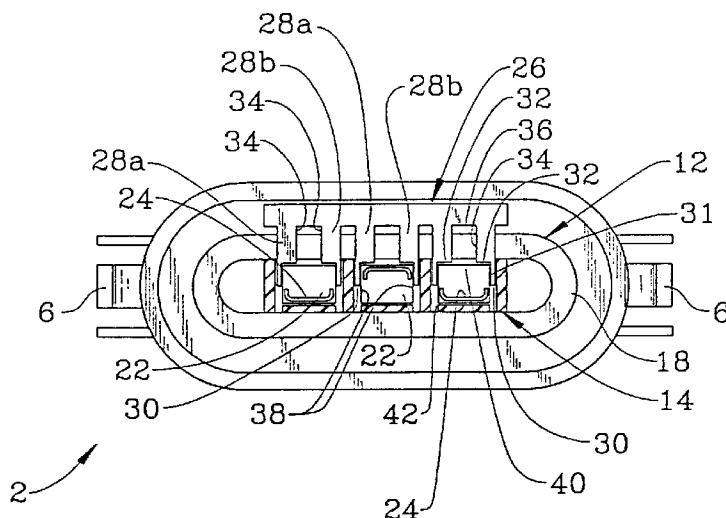
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(54) Electrical connector for high voltage having secondary locking

(57) A high voltage electrical connector (2, 102, 202, 202a, 302, 304) having a housing (4, 104, 204, 204a, 304, 404) with a plurality of terminal receiving channels (22, 122, 222, 222a, 322, 422) extending therethrough where each channel includes an opening (40, 140, 240, 240a, 340, 440) into the channel, an electrical terminal (24, 124, 224, 224a, 324, 424) positioned in the channel and a secondary locking member (26,

126, 226, 226a, 326, 426) for retaining the terminal. The connector characterized in that with the secondary locking member received within the opening in a locked position, the channel forms essentially a longitudinal channel completely surrounding the terminal along its length, thereby preventing lateral voltage jump over.

FIG. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 95 11 0580

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.6)
X Y	DE-A-34 41 559 (ADAM OPAL AG) * page 8, line 22 - page 10, line 18; figures 1-3 *	1,2,5-7 3,4	H01R13/436
X	GB-A-2 255 864 (SUMITOMO WIRING COMPANY) * page 15, line 8 - line 16; figure 5 *	1,2,5,6	
X	EP-A-0 373 498 (GEBHARD, DIETRICH) * column 7, line 22 - line 29; figures 1,2 *	1,2,4	
X	EP-A-0 511 649 (YAZAKI CORPORATION) * column 4, line 55 - column 6, line 38; figures 1,4 *	1,2,5	
Y	US-A-3 573 720 (REYNOLDS) * column 3, line 36 - line 44; figure 7 *	3,4	
A	DE-A-33 30 151 (STOCKO METALLWARENFABRIKEN HENKELS UND SOHN GMBH & CO) * page 5, line 18 - page 6, line 20; figures *	1,2,5,7	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H01R
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13 June 1996	Examiner Kohler, J
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 O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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