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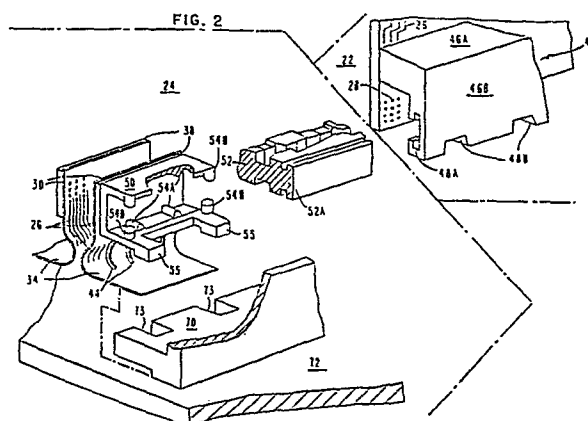
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54 **Connector mechanisms.**

57 A connector mechanism for electrically connecting two structures 22, 24 carrying conducting lines 26, comprises fixed contacts 28 on one of the structures and floating contacts 30 on the other of the structures, the floating contacts being free to move towards and away from the fixed contacts and across the fixed contacts as independent motions, under the control of a common actuator 50, 52, 54, each floating contact being an electrically integral part, carried by the actuator, of a flexible conductive film 34.

The provision of a shroud 46 on the fixed contact structure carrying markings 48A, 48B registered with the fixed contacts 28 and engaging the actuator provides coarse location, while the flexibility of the film and the mounting of the floating contacts on a resilient pad 38 on a carriage 50 provided with cam followers 54 riding on a multi-throw linear cam 52, together comprising the actuator permits independent locating and wiping motions, independently of each other and at selected pressures, including zero pressure on insertion, making the connector mechanism an effective ZIF connector.





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)
E	EP-A-0 154 420 (AMP) * page 5, line 13 - page 6, line 34; figures 1-3 *	1-5	H 01 R 13/193 H 01 R 23/68
P, A	IBM TECHNICAL DISCLOSURE BULLETIN, vol. 26, no. 12, May 1984, page 6657; A. BURKE "Flex circuit zero insertion force connector"	1, 3	
Y	US-A-4 428 635 (W.A. HAMSHER et al.) * column 3, lines 14-58; figures 1-5 *	1-3	
Y	WO-A-8 302 040 (WESTERN ELECTRIC CO.) * page 5, lines 7-25; figure 1 *	1-3	
P, A	US-A-4 480 884 (R. BABUKA et al.) * column 3, lines 30-46; figure 1 *	1-3, 5	H 01 R 23/00 H 01 R 13/00 H 01 R 9/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 16-10-1986	Examiner LEOUFFRE M.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			