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(54) Electrical connector

(57) An easy to assemble electrical connector, particularly for use in a lamp holder body, is provided.

The electrical connector has two complementary body portions (10, 20) which fit together to form the connector, the first body portion (20) containing contact means (35, 36) for electrical contact between the connector and a target to be supplied with electrical current and the second body portion (10) containing retaining means to retain wires (30, 31) to supply current to the connector, whereby the wires (30, 31) can be maintained in electrical contact with the contact means (35. 36) when the body portions (10, 20) are fitted together, the retaining means comprising a plurality of slots (14), each slot (14) to receive one end of a wire (30, 31), and a channel (15) adjacent each slot (14) to receive a connector portion (34) of a conductor tag (32) attached to the end of the wire (30, 31) to be received in the respective slot (14), the connector portion (34) of the tag (32) extending substantially normally to the wire (30, 31).

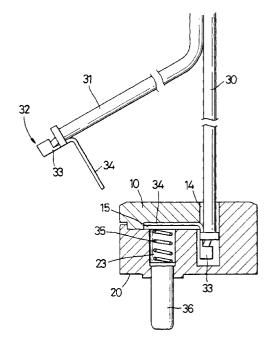


Fig. 5



EUROPEAN SEARCH REPORT

Application Number EP 96 30 4346

Category	Citation of document with indication, where of relevant passages	appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X A	US 5 024 610 A (FRENCH JAY L June 1991 * column 3, line 47 - column figure 3 *		1,7	H01R13/436 H01R13/506 H01R33/46 H01R13/24 H01R4/48
4	FR 1 339 542 A (A. MICHALOT) 1964 * the whole document *	13 January	1,2,5-8, 10	
A	EP 0 016 269 A (BICC PLC) 1 (* page 6, line 11 - page 9, l	October 1980 line 15 *	1,3,7,9	
				TECHNICAL FIELDS SEARCHED (Int.Cl.6) HO1R
	The present search report has been drawn up fo	r all claims		
	Place of search Date of	of completion of the search		Examiner
	THE HAGUE 7.	July 1997	Sal	ojärvi, K
CATEGORY OF CITED DOCUMENTS T: theory or E: earlier pal X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background		E : earlier patent d after the filing D : document cited L : document cited	nciple underlying the invention t document, but published on, or	