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(54) **Electronic connector and method of performing electronic connection**

(57) A modular jack assembly (2) having a housing (4) and a plug interface contact (PIC) sled subassembly (10) insertable into the housing (4). The PIC sled subassembly (10) provides an electrical and mechanical interface between PICs and a male-type plug receivable

in an opening in the housing (4). The PIC sled subassembly (10) is defined in part by multiple slots formed in the PIC sled subassembly (10) that receive the PICs. The design of the PICs compensates for independent near-end cross-talk vectors and far-end cross-talk vectors to obtain a desired level of electrical characteristics.

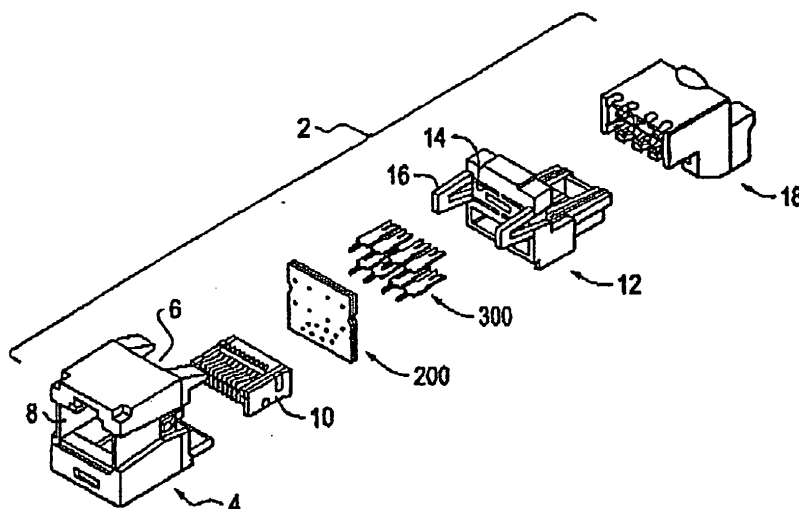


Fig. 1



European Patent
Office

EUROPEAN SEARCH REPORT

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EP 07 01 8256

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 6 120 330 A (GWIAZDOWSKI MICHAEL) 19 September 2000 (2000-09-19) * column 4, line 15 - column 8, line 20; figure 5 *	1-21	INV. H01R24/04
A	US 6 464 541 B1 (TENORIO CHARLES A ET AL) 15 October 2002 (2002-10-15) * column 3, line 8 - column 5, line 33; figure 3 *	1-21	
A	US 5 975 960 A (LANDIS JOHN M ET AL) 2 November 1999 (1999-11-02) * column 2, line 52 - column 4, line 21 *	1-21	
A	US 2002/045387 A1 (PHOMMACHANH CHANSY ET AL) 18 April 2002 (2002-04-18) * paragraph [0035] - paragraph [0049] *	1-21	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01R
The present search report has been drawn up for all claims			
Place of search Berlin		Date of completion of the search 18 February 2008	Examiner Stirn, Jean-Pierre
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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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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18-02-2008

Patent document cited in search report		Publication date	Patent family member(s)	Publication date			
US 6120330	A	19-09-2000	AT 252776 T	15-11-2003			
			AU 746885 B2	02-05-2002			
			AU 4143399 A	06-12-1999			
			BG 64015 B1	30-09-2003			
			BG 104947 A	31-07-2001			
			BR 9910608 A	09-01-2001			
			CA 2331623 A1	25-11-1999			
			CN 1301419 A	27-06-2001			
			CZ 20004283 A3	16-01-2002			
			DE 19822630 C1	07-09-2000			
			WO 9960671 A1	25-11-1999			
			EP 1080518 A1	07-03-2001			
			ES 2209442 T3	16-06-2004			
			HK 1038648 A1	20-05-2005			
			HR 20000796 A2	30-06-2001			
			HU 0105009 A2	29-04-2002			
			ID 26813 A	08-02-2001			
			JP 2002516475 T	04-06-2002			
			MX PA00011269 A	22-04-2003			
			NO 20005726 A	16-01-2001			
			NZ 507944 A	28-08-2002			
			PL 344290 A1	22-10-2001			
			PT 1080518 T	27-02-2004			
			RU 2217848 C2	27-11-2003			
			SK 17032000 A3	07-01-2002			
			TR 200003400 T2	21-03-2001			
			TW 476171 B	11-02-2002			
			ZA 200006510 A	04-06-2001			

			US 6464541	B1	15-10-2002	NONE	

			US 5975960	A	02-11-1999	DE 69931230 T2	01-03-2007
EP 0993081 A2	12-04-2000						
JP 2000123925 A	28-04-2000						
TW 517413 B	11-01-2003						

US 2002045387	A1	18-04-2002	CN 1897365 A	17-01-2007			
			US 6334792 B1	01-01-2002			
			US 6234836 B1	22-05-2001			
			ZA 200106240 A	30-07-2002			
