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(11) **EP 1 054 475 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
10.08.2005 Bulletin 2005/32

(51) Int Cl.7: **H01R 13/24**

(43) Date of publication A2:
22.11.2000 Bulletin 2000/47

(21) Application number: **00110830.7**

(22) Date of filing: **22.05.2000**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: **21.05.1999 DE 19923405**
18.05.2000 DE 10024711

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(54) **Contacting apparatus and contact element therefore**

(57) A contact block, in particular a SIM block, having a holder (14) within which contact elements (13) are inserted; wherein each of said contact elements (13) comprises support means (87) for abutment at another component, for instance a printed circuit board (11).

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EUROPEAN SEARCH REPORT

Application Number
EP 00 11 0830

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.7)
X	WO 97/40467 A (SIEMENS AKTIENGESELLSCHAFT; HOOLHORST, ALBERT; RYCKAERT, PAUL) 30 October 1997 (1997-10-30)	1,2,6-9	H01R13/24
Y	* page 4, line 35; figure 1 * -----	3-5	
Y	FR 2 763 412 A (ITT MANUFACTURING ENTERPRISES INC) 20 November 1998 (1998-11-20)	3-5	
A	* page 21, line 4 - line 9; figure 17 * -----	8	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H01R
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		13 June 2005	Langbroek, A
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.**

EP 00 11 0830

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The members are as contained in the European Patent Office EDP file on
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13-06-2005

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9740467	A	30-10-1997	WO 9740467 A1	30-10-1997
			DE 59701364 D1	04-05-2000
			EP 0894309 A1	03-02-1999
			JP 2000508800 T	11-07-2000
			US 6112995 A	05-09-2000

FR 2763412	A	20-11-1998	FR 2763412 A1	20-11-1998
			AU 748815 B2	13-06-2002
			AU 7661898 A	08-12-1998
			CN 1255991 A	07-06-2000
			DE 29808678 U1	23-07-1998
			DE 69802677 D1	10-01-2002
			DE 69802677 T2	01-08-2002
			EP 0981796 A1	01-03-2000
			WO 9852137 A1	19-11-1998
			JP 2001525975 T	11-12-2001
			TW 437129 B	28-05-2001
			US 6149466 A	21-11-2000
