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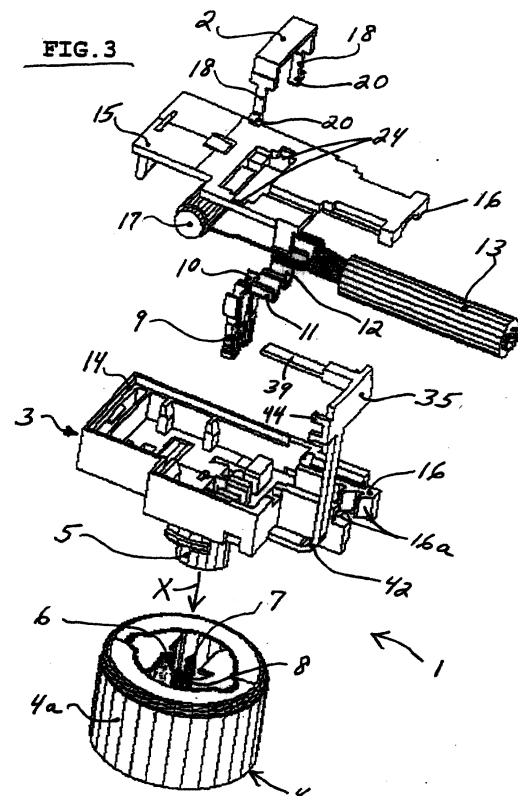
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(54) **Shorting electrical connector assembly with positive lock**

(57) An electrical connector assembly (1) includes a first connector (3) mateable with a second connector (4), with respective interengageable terminals (7,8,9,10). A shorting device (34) establishes a short circuit between at least two terminals (7,8) of at least one (4) of the connectors. A locking device (2) is movably mounted on one (3) of the connectors to lock the connectors in mated condition. An actuating device (35) separate from and independent of the locking device (2) is provided for opening the short circuit established by the shorting device (34).





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Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 11 2788

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)
A,D	US 5 275 575 A (CAHALY JAMES E ET AL) 4 January 1994 (1994-01-04) * abstract; figures 1-4 * * column 3, line 13 - column 6, line 68 * ---	1,3,10, 18	H01R13/703 H01R13/627
A	WO 00 04609 A (THOMAS & BETTS INT) 27 January 2000 (2000-01-27) * abstract; figures 4,14,15 * * page 15, line 23 - page 17, line 7 * ---	1,3,10, 18	
A	US 5 993 230 A (GAUKER BRADFORD K ET AL) 30 November 1999 (1999-11-30) * abstract; figures 20,23,28 * * column 5, line 27 - column 8, line 44 * ---	1,7,10, 15,18	
A,D	US 5 816 840 A (DULLIN CLAUS) 6 October 1998 (1998-10-06) * abstract; figures 1-5 * * column 3, line 45 - column 5, line 3 * -----	1,3,10, 18	
			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	
THE HAGUE	22 May 2002	Serrano Funcia, J	
CATEGORY OF CITED DOCUMENTS		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	
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			

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

EP 01 11 2788

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22-05-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5275575	A	04-01-1994	DE 69307247 D1	20-02-1997
			DE 69307247 T2	31-07-1997
			EP 0591948 A2	13-04-1994
			JP 2647336 B2	27-08-1997
			JP 6208867 A	26-07-1994
WO 0004609	A	27-01-2000	AU 4993999 A	07-02-2000
			EP 1097491 A1	09-05-2001
			WO 0004609 A1	27-01-2000
			US 2002009924 A1	24-01-2002
US 5993230	A	30-11-1999	US 6203342 B1	20-03-2001
			CA 2233466 A1	19-02-1998
			EP 0869883 A1	14-10-1998
			WO 9807213 A2	19-02-1998
US 5816840	A	06-10-1998	DE 19500959 A1	18-07-1996
			DE 29521491 U1	24-07-1997
			ES 2119672 A1	01-10-1998
			FR 2729509 A1	19-07-1996
			GB 2297002 A ,B	17-07-1996
			IT 1281611 B1	20-02-1998
			JP 3165909 B2	14-05-2001
			JP 8264229 A	11-10-1996
			US 5827083 A	27-10-1998

EPO FORM P0489

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82