

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

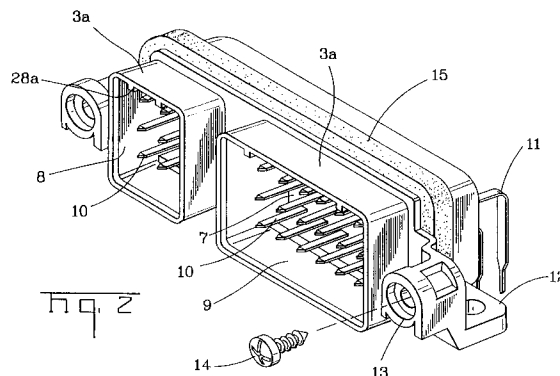
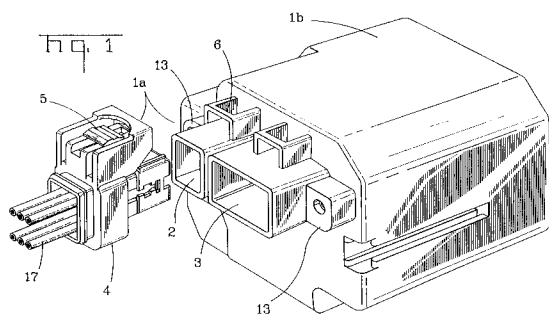
0 592 102 A3

(12)

EUROPEAN PATENT APPLICATION(21) Application number: **93306963.5**(51) Int. Cl.⁶: **H01R 13/52, H01R 13/629**(22) Date of filing: **02.09.93**(30) Priority: **06.10.92 IT MI922304**(43) Date of publication of application:
13.04.94 Bulletin 94/15(84) Designated Contracting States:
DE FR GB IT(88) Date of deferred publication of the search report:
22.03.95 Bulletin 95/12(71) Applicant: **THE WHITAKER CORPORATION**
4550 New Linden Hill Road,
Suite 450
Wilmington,
Delaware 19808 (US)(72) Inventor: **Casagrande, Mario**
Corso Susa 266
I-10040 Caselette,
Torino (IT)
Inventor: **Castello, Paolo**
Via G Medici 123
I-10145 Torino (IT)(74) Representative: **Warren, Keith Stanley et al**
BARON & WARREN
18 South End
Kensington
London W8 5BU (GB)(54) **Sealed electrical connector.**

(57) A sealed multi-contact electrical connector (1a) for interconnecting wires (17) to an electronic module (1b) includes a plug (4) and a receptacle (3a) with an internal seal (21), an external gasket (15) and screw seals (13a) engaging the plug (4) and receptacle surfaces to seal mating contacts (10, 18); a front

cover (16) includes locking teeth (34) and a central housing has a mating pawl (33) and lances that function to preclude engagement of plug (4) and receptacle (3a) unless the contacts (10, 18) are properly seated and the cover (16) and housing closed.

**EP 0 592 102 A3**

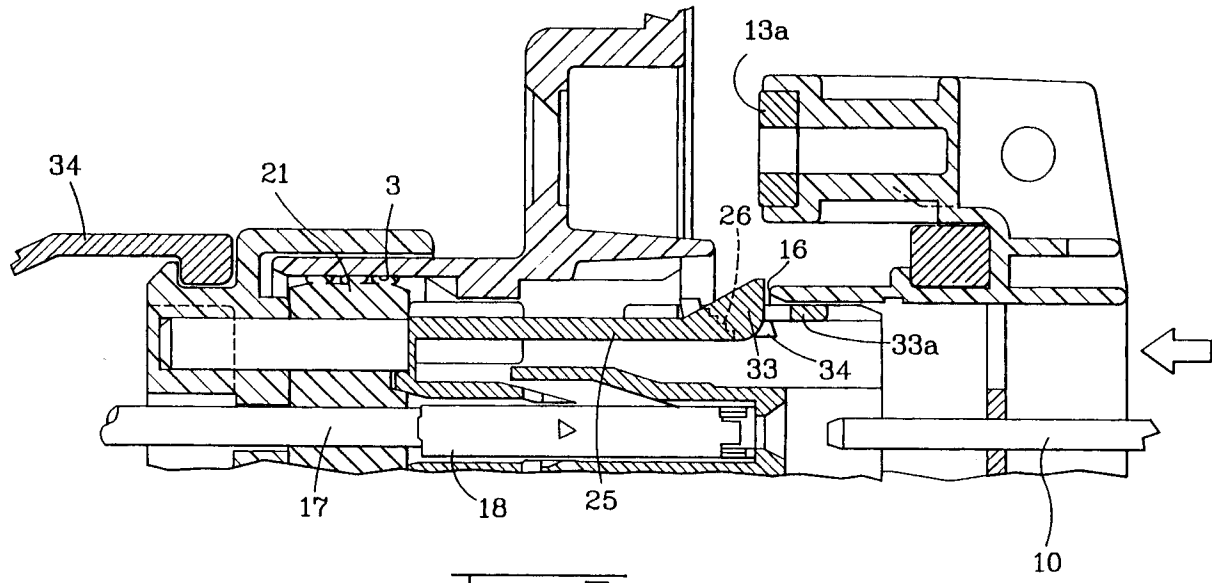


Fig. 7



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 93 30 6963

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.5)
X	EP-A-0 320 249 (MOLEX) * column 4, line 41 - column 5, line 25 *	1	H01R13/52 H01R13/629
A	* page 8, column 5, line 39 - line 45 * * column 6, line 2 - line 33; figures 1,4-6 *	2,4,6-8, 10, 12-14, 17,18	
A	--- EP-A-0 147 956 (AMP) * page 4, line 31 - page 5, line 7; figures 4-6 *	1,4,7	
A	--- WO-A-90 06603 (AMP) * page 6, line 32 - page 7, line 26; figures 2,3,9-11 * -----	1,3,5,9	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			H01R
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 11 January 1995	Examiner Alexatos, G
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			