

(19)



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(11) Publication number:

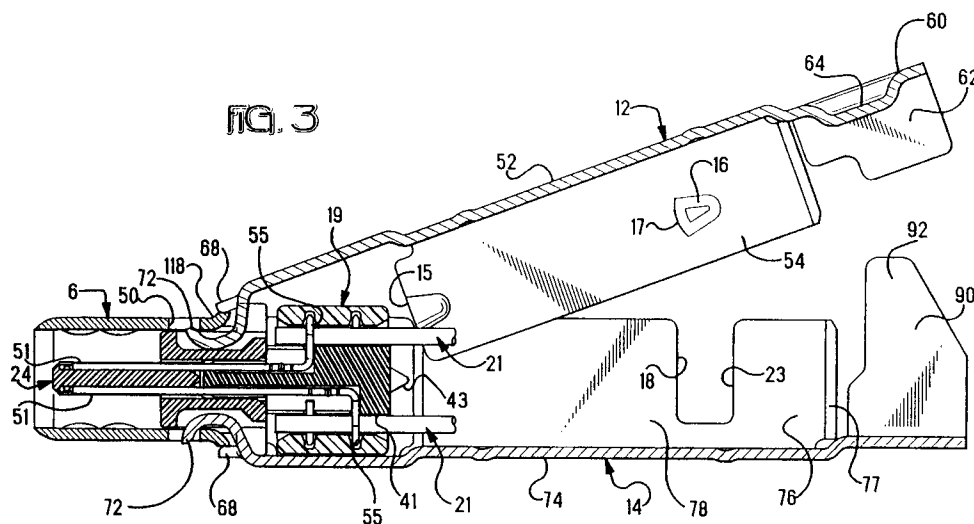
**0 606 739 A3**

(12)

**EUROPEAN PATENT APPLICATION**(21) Application number: **93310063.8**(51) Int. Cl.<sup>6</sup>: **H01R 13/658, H01R 23/02**(22) Date of filing: **14.12.93**(30) Priority: **15.01.93 US 4859**  
**25.01.93 US 7933**(43) Date of publication of application:  
**20.07.94 Bulletin 94/29**(84) Designated Contracting States:  
**DE FR GB IT NL**(88) Date of deferred publication of the search report:  
**08.11.95 Bulletin 95/45**(71) Applicant: **THE WHITAKER CORPORATION**  
**4550 New Linden Hill Road,****Suite 450**  
**Wilmington,**  
**Delaware 19808 (US)**(72) Inventor: **Davis, Wayne Samuel**  
**4108 North 6th Street**  
**Harrisburg,**  
**Pennsylvania 17110 (US)**(74) Representative: **Warren, Keith Stanley et al**  
**BARON & WARREN**  
**18 South End**  
**Kensington**  
**London W8 5BU (GB)**(54) **Shielded electrical connector.**

(57) A shielded electrical connector comprises a terminal support block (41), contact terminals (51) supported on the block (41) for connection to wires (21), a rear bumper (43) bridging across the block (41) and extending laterally beyond the wires (21), a conductive front shell (6) encircling the block (41), conductive backshells (12, 14) enveloping the block (41), and pushing arms (15) on at least one of the

backshells (12, 14) engaging the bumper (43) and urging a mating end of the block (41) to a most forward position relative to a front mating end of the front shell (6), shifting of the block (41) rearwardly being resisted to promote contact wiping during mating connection of the connector (19) with another mating connector.

**EP 0 606 739 A3**



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## EUROPEAN SEARCH REPORT

Application Number  
EP 93 31 0063

| 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) |
| A                                                                                                                                                                                                                       | US-A-4 653 836 (PEELE)<br>* column 3, line 27 - line 30; figure 3 *           | 1                                                                                                                                                                                                                                                                                     | H01R13/658<br>H01R23/02                      |
| A                                                                                                                                                                                                                       | US-A-5 073 130 (NAKAMURA)                                                     |                                                                                                                                                                                                                                                                                       |                                              |
| A                                                                                                                                                                                                                       | EP-A-0 040 941 (AMP INC)                                                      |                                                                                                                                                                                                                                                                                       |                                              |
|                                                                                                                                                                                                                         |                                                                               |                                                                                                                                                                                                                                                                                       | TECHNICAL FIELDS<br>SEARCHED (Int.Cl.5)      |
|                                                                                                                                                                                                                         |                                                                               |                                                                                                                                                                                                                                                                                       | H01R                                         |
| The present search report has been drawn up for all claims                                                                                                                                                              |                                                                               |                                                                                                                                                                                                                                                                                       |                                              |
| Place of search<br>THE HAGUE                                                                                                                                                                                            |                                                                               | Date of completion of the search<br>13 September 1995                                                                                                                                                                                                                                 | Examiner<br>Horak, A                         |
| <b>CATEGORY OF CITED DOCUMENTS</b>                                                                                                                                                                                      |                                                                               |                                                                                                                                                                                                                                                                                       |                                              |
| X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |                                                                               | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>.....<br>& : member of the same patent family, corresponding document |                                              |