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(71) Applicant:
THE WHITAKER CORPORATION
Wilmington, Delaware 19808 (US)

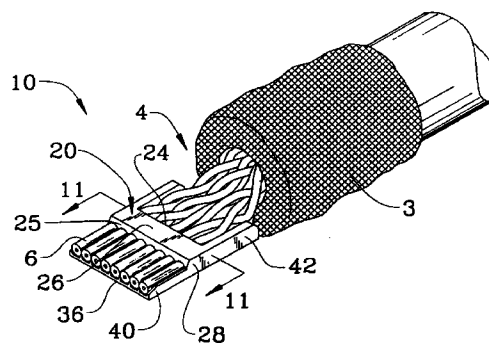
(72) Inventors:
• **Freire Venegas, Ignacio**
08027 Barcelona (ES)
• **Duran Bofill, Pedro**
08026 Barcelona (ES)

(74) Representative:
Heinz-Schäfer, Marion
AMP International Enterprises Limited
Ampèrestrasse 3
9323 Steinach (SG) (CH)

(54) Modular plug for high speed data transmission

(57) Shielded modular plug (15) for category 5 applications comprises a plug housing (13) and a wire holder (10). The wire holder comprises a housing (20) with wire receiving cavities (22) extending therethrough, and a base wall extension (35) extending from the housing to a front end (36). The wire holder is assembled to the cable by inserting straightened wire ends into the cavities (22) of the holder and pulling the holder tightly against the twisted pairs of the cable. The wire ends (6) can then be trimmed with the front end (36) acting as the reference. The wire holder and cable ends are then inserted into the cavity (48) of the plug housing until a fully inserted position where the plug contacts (18) are positioned above the wire ends (6), and can be depressed for piercing through the insulation to contact the inner conductors. Due to tightening of the wire holder against the twisted pairs, the length of straightened cable is as short as possible thereby reducing crosstalk interference and enabling higher data transmission speeds. Furthermore, tightening of the wire holder against the twisted pairs ensures that connections are made in a reliable manner with less sensitivity to variations in the assembly procedure.

FIG. 9



EP 0 716 477 A3



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EUROPEAN SEARCH REPORT

Application Number
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A	US 4 995 828 A (GOODMAN DAVID S ET AL) 26 February 1991 * abstract; figures *	1,12	TECHNICAL FIELDS SEARCHED (Int.Cl.6) H01R
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27 January 1999	Examiner Durand, F
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 95 11 8433

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