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EUROPEAN PATENT APPLICATION

(21) Application number: 80400458.8

(51) Int. Cl.³: **H 01 R 17/12**

(22) Date of filing: 04.04.80

(30) Priority: 23.05.79 US 41667

(43) Date of publication of application:
10.12.80 Bulletin 80/25

(88) Date of deferred publication of search report: 14.01.81

(84) Designated Contracting States:
DE FR GB IT

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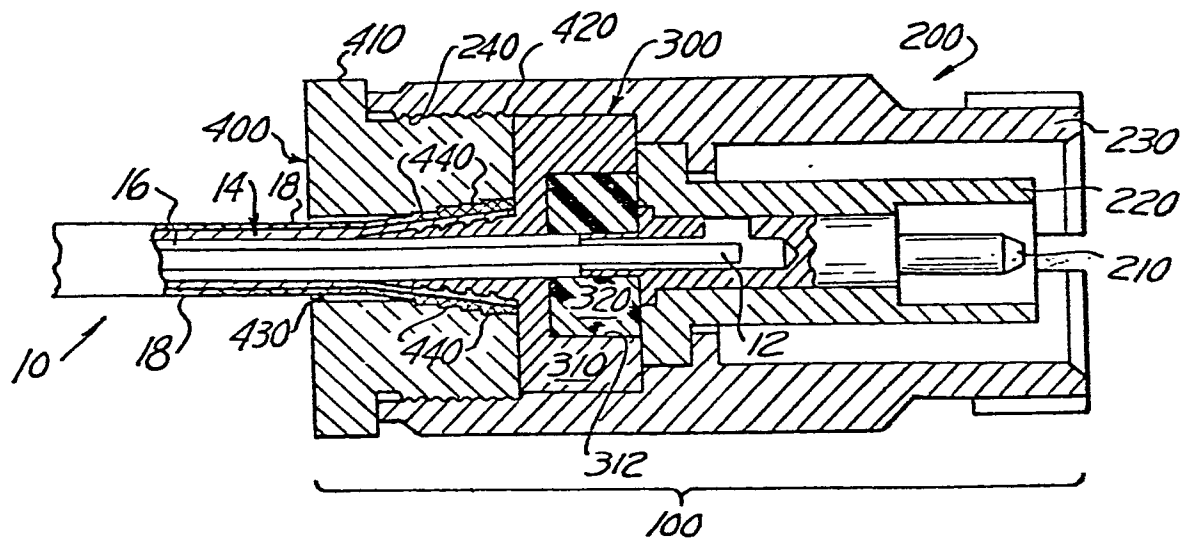
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(54) **Electrical connector for a coaxial cable and method of fitting said connector with a coaxial cable.**

(57) Electrical connector for a coaxial cable (10) of the type having a central conductor (12) separated from a braid conductor (14) by an insulation layer (16), and with a jacket (18) around the braid conductor (14), said connector (100) comprising a rear nut (400), a forward body (200), and a medial clamp member (300), the clamp member (300) having a central aperture extending therethrough from front to rear for receiving the insulation layer (16) and central conductor (14) therein, a frusto-conical portion of a smaller diameter at the rear of the clamp member, and a helical groove which is machined into the frusto-conical portion to provide a series of undercuts, and said connector (100) being assembled over the coaxial cable (10) with the nut (400) slipped over the cable (10), the clamp member (300) inserted between the braid conductor (14) and the insulation layer (16) and then rotated in the direction of the helical groove to progressively draw the clamp member (300) within the braid conductor (14) until the entire frusto-conical portion is within the braid conductor (14), such that an edge of each undercut provides a corner surface which engages the braid conductor (14), securing it and providing a resistance to undesirable axial movement of the clamp member (300) away from the cable (10), and with the

nut (400) secured to the body (200) by means of interfitting threads (420,240) to complete the electrical contact and captivate the clamp member (300) therebetween in proper position.

FIG. 1





European Patent
Office

EUROPEAN SEARCH REPORT

0020188

Application number

EP 80 40 0458.8

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	DE - A1 - 2 443 032 (SOCIETA ITALIANA TELECOMUNICAZIONI SIEMENS) * page 5, line 34 to page 7, line 8; fig. 2 to 4 * -- US - A - 4 135 776 (AILAWADHI et al.) * column 3, line 35 to column 4, line 3; fig. 2 * -- DE - A - 2 159 867 (SPINNER) * page 4, line 1 to page 5, line 3; fig. 1 * -- D US - A - 3 264 602 (SCHWARTZ) * column 1, line 67 to column 2, line 52; fig. 2 and 3 * -- A DE - A1 - 2 800 772 (AMP) * claims 1 to 3; fig. 1 to 3 * -- D,A US - A - 3 373 243 (JANOWIAK et al.) * complete document * ----	1,2, 3 : 1,2, 3 1,2, 3 1,2 1	H 01 R 17/12 TECHNICAL FIELDS SEARCHED (Int.Cl.) H 01 R 9/05 H 01 R 13/658 H 01 R 15/02 H 01 R 17/12 CATEGORY OF CITED DOCUMENTS X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons &: member of the same patent family, corresponding document
☒ The present search report has been drawn up for all claims			
Place of search Berlin		Date of completion of the search 15-10-1980	Examiner HAHN