

Europäisches Patentamt

European Patent Office

Office européen des brevets



(11) **EP 0 757 408 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 22.04.1998 Bulletin 1998/17

(51) Int. Cl.⁶: **H01R 9/05**, H01R 17/12

(43) Date of publication A2: 05.02.1997 Bulletin 1997/06

(21) Application number: 96112216.5

(22) Date of filing: 29.07.1996

(84) Designated Contracting States: CH DE ES FI FR GB IT LI NL

(30) Priority: **04.08.1995 US 511473 07.03.1996 US 610815**

(71) Applicant: ANDREW A.G. CH-8184 Bachenbulach (CH)

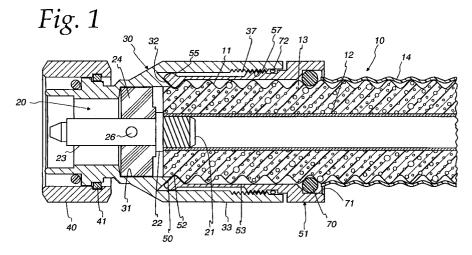
(72) Inventor: Allison, Lee F. Mokena, IL 60448 (US)

(74) Representative:
Grünecker, Kinkeldey,
Stockmair & Schwanhäusser
Anwaltssozietät
Maximilianstrasse 58
80538 München (DE)

(54) Connector for coaxial cable

(57) In accordance with the present invention, the foregoing objectives are realized by providing a connector assembly comprising an outer connector for engaging the outer conductor of the cable, an inner connector having a threaded portion adapted to fit into the hollow inner conductor in threaded engagement with the interior surface of the inner conductor, the threads comprising a plurality of interleaved concentric threads, and a

dielectric spacer between the inner and outer connectors. In a preferred embodiment, the multiple interleaved threads are self-tapping threads so that the inner connector can be simply threaded into the hollow inner conductor without any advance tapping of the inner conductor.



EP 0 757 408 A3



EUROPEAN SEARCH REPORT

Application Number EP 96 11 2216

Category	Citation of document with indication, where approp of relevant passages		evant claim	CLASSIFICATION OF THE APPLICATION (Int.CI.6)
X A	DE 43 43 229 A (SPINNER GMBH ELEK 8 December 1994 * claims; figures *	(TROTECH) 1,2		H01R9/05 H01R17/12
Υ	US 5 334 051 A (DEVINE EDWARD B August 1994 * claims; figures *	ET AL) 2 1		
A,D	US 4 046 451 A (JUDS RICHARD C ET September 1977 * claims; figures *	AL) 6 1		
A,D	US 5 167 533 A (RAUWOLF GERALD A) December 1992 * claims; figures *	1		
A,D	US 5 154 636 A (VACCARO RONALD A 13 October 1992 * claims; figures *	ET AL) 1		
A,D	US 3 199 061 A (E.H.JOHNSON) 3 Au * claims; figures *	igust 1965 1	-	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A,D	US 3 291 895 A (P.F.VANDYKE) 13 D 1966 * claims; figures *	December 1		H01R
A,D	US 5 137 470 A (DOLES CONNIE S) 1 1992 * claims; figures *	1 August 1		
Y	US 5 354 217 A (GABEL LEE R ET A October 1994 * claims; figures *	AL) 11 1		
	The present search report has been drawn up for all cl	aims		Examiner
THE HAGUE 3 March			Pfak	nler, R
X : part Y : part doc	ATEGORY OF CITED DOCUMENTS T E icularly relevant if taken alone icularly relevant if combined with another D	: theory or principle under : earlier patent document, after the filing date : document cited in the ap : document cited for other	ying the in but publis plication reasons	nvention hed on, or