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(72) Inventors:
• **Fjellberg, Jan Tore**
2070 Råholt (NO)
• **Brynildsen, Olav Trygg**
2150 Årnes (NO)
• **Dzubur, Mensudin**
2150 Årnes (NO)

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(71) Applicant: **Draka Comteq B.V.**
1083 HJ Amsterdam (NL)

(74) Representative: **Algemeen Octrooi- en Merkenbureau**
P.O. Box 645
5600 AP Eindhoven (NL)

(54) **Cable element, data transmission cable, method for manufacturing and use of data transmission cable.**

(57) The present invention relates to a cable element for high frequency data transmission comprising one single twisted pair of insulated electrical conductors surrounded by a first shielding layer thereby forming a first space between said twisted pair of insulated electrical conductors and an inner surface of said first shielding

layer.

An object of the present invention is to provide an improved data transmission cable comprising cable elements that can be used in outdoor conditions preferably without impairing data transmission performance of the cable.

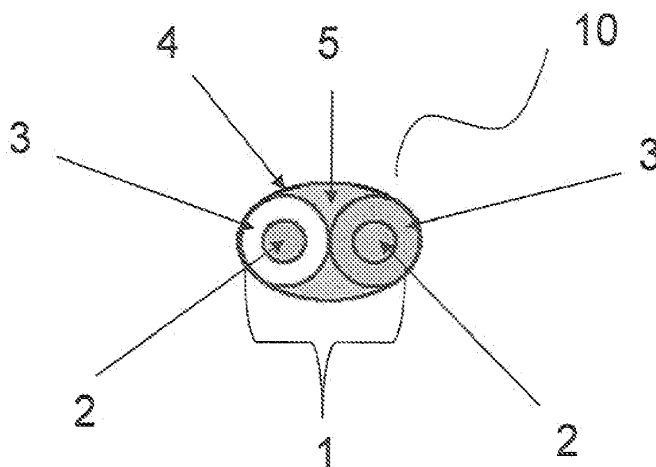


Figure 1



EUROPEAN SEARCH REPORT

Application Number
EP 10 16 4629

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2005/073983 A1 (3M INNOVATIVE PROPERTIES CO [US]; HAGEN NATHAN K [US]; HAGUE DAVID R [US]) 11 August 2005 (2005-08-11) * the whole document *	1-15	INV. H01B7/285
A	EP 0 572 173 A1 (AMERICAN TELEPHONE & TELEGRAPH [US]) 1 December 1993 (1993-12-01) * column 3 - column 7 * * claims 1-14 * * figures 1-3 *	1-15	
A	EP 0 586 158 A1 (AMERICAN TELEPHONE & TELEGRAPH [US] AT & T CORP [US]) 9 March 1994 (1994-03-09) * the whole document *	1-15	
A	GB 2 164 198 A (TELEPHONE CABLES LTD) 12 March 1986 (1986-03-12) * the whole document *	1-15	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			H01B
Place of search		Date of completion of the search	Examiner
The Hague		3 November 2011	Mehdaoui, Imed
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
ON EUROPEAN PATENT APPLICATION NO.**

EP 10 16 4629

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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03-11-2011

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2005073983	A1	11-08-2005	CN 1926642 A	07-03-2007
			EP 1709647 A1	11-10-2006
			JP 2007522282 A	09-08-2007
			KR 20060129327 A	15-12-2006

EP 0572173	A1	01-12-1993	AU 3982793 A	06-01-1994
			CA 2096567 A1	30-11-1993
			CN 1080427 A	05-01-1994
			EG 20294 A	31-10-1998
			JP 6036621 A	10-02-1994
			NO 931950 A	30-11-1993
			NZ 247694 A	26-11-1996
			US 5373100 A	13-12-1994

EP 0586158	A1	09-03-1994	AU 4498693 A	31-03-1994
			CA 2103779 A1	01-03-1994
			DE 69314583 D1	20-11-1997
			DE 69314583 T2	19-02-1998
			DK 0586158 T3	26-01-1998
			EG 20059 A	27-03-1997
			ES 2108828 T3	01-01-1998
			JP 2912135 B2	28-06-1999
			JP 6203647 A	22-07-1994
			NZ 248488 A	26-10-1995
			US 5306867 A	26-04-1994

GB 2164198	A	12-03-1986	NONE	
