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(54) **Multi-pair cable for analogue, digital, xDSL and broadband systems**

(57) It comprises a combination of colour-coded pairs (1), cabled in units (2) of three or four pairs, said combination of pairs being covered with a plastic protection tape (3), wound helicoidally, on which is a drain wire (4) and on the outside of this is a tape (5), metalized on one side and covered with insulating material on the other, on top of which is a cord (6) for tearing the final cover (7) sealing the whole array and which is made of PVC or other material with low halogen content. In this way, signal-coupling imbalances at high-frequency can be offset, making said cable suitable for transmitting bi-directional digital signals and in particular xDSL or broadband systems, enabling interoperability of new and existing systems in the cable and making maximum use of the systems it uses, at the same time optimizing the loop length by its low level of longitudinal attenuation loss and low level cross-talk noise.

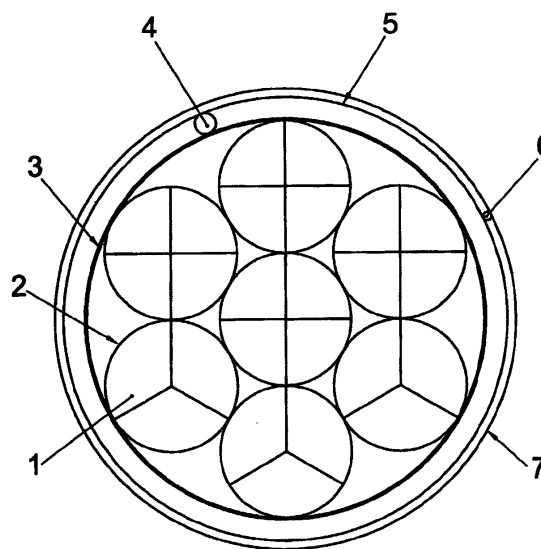


FIG.1



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.7)
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A,P	WO 02/103715 A (KACZMARSKI ANDREW ; PIRELLI CABLES AU LTD (AU)) 27 December 2002 (2002-12-27) * page 7, line 16 - page 20, line 2; figure 1 *	1-4	
A,P	US 2003/106704 A1 (ISLEY JAMES A ET AL) 12 June 2003 (2003-06-12) * paragraph '0033! - paragraph '0039!; figures 3-6 *	1-4	
A,P	US 6 566 606 B1 (ALEXANDER LARRY D ET AL) 20 May 2003 (2003-05-20) * column 3, line 29 - column 8, line 11; figures 1-6 *	1-4	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H01B
Place of search	Date of completion of the search	Examiner	
The Hague	17 September 2004	Demolder, J	
CATEGORY OF CITED DOCUMENTS		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	
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	 & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 03 38 0222

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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17-09-2004

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