



EUROPEAN PATENT APPLICATION

Application number : **92309898.2**

Int. Cl.⁵ : **H01B 11/18**

Date of filing : **29.10.92**

Priority : **30.10.91 JP 284452/91**

Date of publication of application :
05.05.93 Bulletin 93/18

Designated Contracting States :
DE FR GB IT

Date of deferred publication of search report :
15.09.93 Bulletin 93/37

Applicant : **THE FURUKAWA ELECTRIC CO., LTD.**
6-1, 2-chome, Marunouchi Chiyoda-ku
Tokyo (JP)

Inventor : **Hattori, Masanori**
3-4, Tatsumidai-higashi
Ichihara-shi, Chiba (JP)
Inventor : **Yamamoto, Shoji**
1094-1 Otsubo
Ichihara-shi, Chiba (JP)
Inventor : **Oishi, Yoshiaki**
2385-42 Nakatacho, Wakaba-ku
Chiba-shi, Chiba (JP)

Representative : **Calamita, Roberto**
Frank B. Dehn & Co., Imperial House, 15-19
Kingsway
London WC2B 6UZ (GB)

Foamed plastic insulated wires and coaxial cables using the same.

A foamed plastic insulated wire which comprises a conductor, a foamed polymer insulation layer formed on the periphery of the conductor, and at least one multifilament of a plastic material having no aromatic ring in its molecular structure, the multifilament being longitudinally extended or spirally wound on the periphery of the foamed polymer insulation layer so as to be fixed thereto. This wire, having a shorter time delay in signal propagation and enjoying higher density-normalized tensile strength, can be a useful electronic signal transmission line for a computer, and improves in bending strength, laser cutting properties, and cable assembly performance.



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 92 30 9898

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.5)
A	DE-A-2 537 873 (FELTEN & GUILLEAUME) * page 5, line 11 - page 6, line 8; claims 4,6; figure 1 *	1,8,20	H01B11/18
A	US-A-4 399 322 (HAFNER) * column 2, line 54 - line 63; figures 4,5 *	1,8,20	
A	EP-A-0 272 516 (DIETZ) * column 3, line 14 - line 24; claims 4,8; figures 1-3 *	1,6,8	
A	DE-A-2 920 031 (HITACHI) * page 8, paragraph 1 * * page 10, paragraph 2; figure 3 *	1,3,6,20	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H01B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27 JULY 1993	Examiner DEMOLDER J.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

EPO FORM 1503 03.82 (P0401)