



12

EUROPEAN PATENT APPLICATION

21 Application number : **93304420.8**

51 Int. Cl.⁵ : **H01B 13/00**

22 Date of filing : **07.06.93**

30 Priority : **05.06.92 GB 9211944**

72 Inventor : **Mills, Eric**
42 Forest Grove, Eccleston Park
Prescot, Lancashire (GB)

43 Date of publication of application :
08.12.93 Bulletin 93/49

74 Representative : **Dlugosz, Anthony Charles et al**
BICC Group Patents & Licensing Department
Quantum House Maylands Avenue
Hemel Hempstead Hertfordshire HP2 4SJ (GB)

84 Designated Contracting States :
DE ES FR GB IT

88 Date of deferred publication of search report :
09.02.94 Bulletin 94/06

71 Applicant : **BICC Public Limited Company**
Devonshire House Mayfair Place
London W1X 5FH (GB)

54 **Mineral insulated electric cable manufacture.**

57 A method of manufacturing mineral insulated electric cable comprises locating one or more conductor rods in a metal tube, introducing mineral insulating powder into the tube and then drawing the filled tube through one or more reducing dies to reduce the diameter of the tube to the required size, wherein the die, or at least one of the dies is continuously subjected to ultrasonic radial vibrations.

The method has the advantage that greater reductions in diameter of the tube can be achieved between annealing steps due to reduction of damage to the conductor rods and the metal tube by the mineral insulating powder.



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 93 30 4420

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)
Y A	GB-A-1 554 860 (B.I.C.C.) * page 2, column 2, line 73 - page 3, column 1, line 59; figure 1 * ---	1,5 3	H01B13/00
Y	PATENT ABSTRACTS OF JAPAN vol. 015, no. 178 (M-1110)8 May 1991 & JP-A-30 042 110 (NKK) 22 February 1991 * abstract * ---	1,5	
A	US-A-3 737 997 (DAVIS) * column 7, line 61 - column 8, line 5; figures 1,2 * -----	1,4,5	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			H01B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		6 December 1993	Demolder, J
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	

EPO FORM 1503 (03.82 (P04C01))