

12 **EUROPEAN PATENT APPLICATION**

21 Application number: **81102812.5**

51 Int. Cl.³: **D 06 M 10/00**
D 06 M 15/28, D 06 M 13/50
C 08 J 5/06

22 Date of filing: **13.04.81**

30 Priority: **29.05.80 US 154352**

43 Date of publication of application:
13.01.82 Bulletin 82/2

88 Date of deferred publication of search report: **26.05.82**

84 Designated Contracting States:
DE FR GB IT

71 Applicant: **ALLIED CORPORATION**
Columbia Road and Park Avenue P.O. Box 2245R (Law
Dept.)
Morristown New Jersey 07960(US)

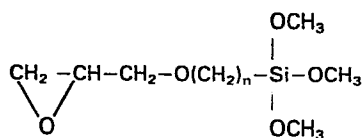
72 Inventor: **Chakravarti, Kalidas**
5217 S. Prestonwood Avenue
Richmond Virginia 23234(US)

72 Inventor: **Dardoufas, Kimon Constantine**
5120 Tyme Road
Richmond Virginia 23234(US)

74 Representative: **Baillie, Iain Cameron et al,**
c/o Ladas & Parry Isartorplatz 5
D-8000 München 2(DE)

54 **Process for producing adhesive active polyester yarn and product.**

57 An improvement is provided in a process for the production of polyester yarn involving spinning and drawing steps. The improvement comprises exposing the yarn subsequent to the drawing step to ultraviolet radiation, and treating the yarn with a finish composition which comprises water and a silane having the structural formula



wherein $n = 2$ to 5 . The yarn is preferably used in tire cords for the construction of pneumatic passenger tires and results in excellent adhesion of tire cord to rubber.



European Patent
Office

EUROPEAN SEARCH REPORT

0043410

Application number

EP 81 10 2812

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	GB - A - 893 904 (DUNLOP RUBBER) * The whole document *	1-4	D 06 M 10/00 15/28 13/50 C 08 J 5/06
	--		
D, A	US - A - 4 054 634 (MARSHALL & DARDOUFAS) * The whole document *	1,2,5	
	--		
D, A	US - A - 3 730 892 (MARSHALL & DARDOUFAS) * The whole document *	1,2,5, 10	TECHNICAL FIELDS SEARCHED (Int.Cl. ³)
	--		
D, A	GB - A - 1 228 173 (DUNLOP) * The whole document *	1-3,8, 10	D 06 M C 08 J C 10 M
	--		
D, A	US - A - 3 642 518 (MIKI et al.) * The whole document *	1,2,5-10	
	--		
A	GB - A - 1 409 327 (DOW CORNING) * The whole document *	1	CATEGORY OF CITED DOCUMENTS
	--		
A	FR - A - 1 574 395 (CELANESE CORPORATION) * The whole document * & GB - A - 1 195 615	1	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

X The present search report has been drawn up for all claims			&: member of the same patent family, corresponding document
Place of search The Hague		Date of completion of the search 03-03-1982	Examiner DEKEIREL