

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number:

**0 261 821
A3**

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **87307737.4**

(51) Int. Cl.⁴: **D06P 1/653 , D06P 1/673 ,
D06P 1/647 , D06P 5/02 ,
D06P 3/24**

(22) Date of filing: **02.09.87**

(30) Priority: **26.09.86 GB 8623229**

(43) Date of publication of application:
30.03.88 Bulletin 88/13

(84) Designated Contracting States:
AT BE DE ES FR GB IT

(88) Date of deferred publication of the search report:
19.07.89 Bulletin 89/29

(71) Applicant: **IMPERIAL CHEMICAL INDUSTRIES
PLC
Imperial Chemical House Millbank
London SW1P 3JF(GB)**

(72) Inventor: **Marshall, Clifford
12 Woodlands Drive
Harrogate North Yorkshire(GB)**

(74) Representative: **Corbett, William Michael et al
Imperial Chemical Industries PLC Legal
Department: Patents Po Box 6 Bessemer
Road
Welwyn Garden City Herts, AL7 1HD(GB)**

(54) **Improved polyamide fibres.**

(57) Polyamide fibres having an improved dye light fastness and heat and light stability are obtained by applying to them by means of a conventional dyeing operation, an aqueous composition containing a water insoluble copper salt of an organic acid which protects the fibres and any dye which may be present from radiation within the range 280 to 400 Nm. The copper salt has an affinity for the polyamide fibres and is stable and not volatile under the process conditions used.

EP 0 261 821 A3



EP 87 30 7737

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.4)
A	BE-A- 632 938 (DU PONT DE NEMOURS) * Page 3, lines 31-32; pages 4,5, lines 18-32,1-4; page 13, example V * ---	1,5	D 06 P 1/653 D 06 P 1/673 D 06 P 1/647
A,D	EP-A-0 018 775 (CROMPTON & KNOWLES CORP.) * Claims 1,2,8 * ---	1,5	D 06 P 5/02 D 06 P 3/24
A	CHEMICAL ABSTRACTS, vol. 94, no. 18, 4th May 1981, page 76, abstract no. 141156h, Columbus, Ohio, US; & JP-A-81 04 773 (ASAHI CHEMICAL INDUSTRY CO., LTD) 19-01-1981 * Abstract * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			D 06 P D 07 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12-04-1989	Examiner LUDI M.M.B.
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	