



Europäisches Patentamt
European Patent Office
Office européen des brevets



Publication number: **0 413 280 A3**

EUROPEAN PATENT APPLICATION

Application number: **90115458.3**

Int. Cl.⁵: **D01F 8/12, D01F 8/14**

Date of filing: **11.08.90**

Priority: **16.08.89 JP 210180/89**
17.08.89 JP 210689/89
19.07.90 JP 189455/90
30.07.90 JP 199204/90

Date of publication of application:
20.02.91 Bulletin 91/08

Designated Contracting States:
DE ES FR GB IT NL

Date of deferred publication of the search report:
30.10.91 Bulletin 91/44

Applicant: **TEIJIN LIMITED**
6-7, Minamihonmachi 1-chome Chuo-ku
Osaka-shi Osaka 541(JP)

Inventor: **Shinoki, Takanori**
1-2, Aza Ohara, Yatou
Kawanishi-shi, Hyogo(JP)
Inventor: **Yamamoto, Nobuyuki**
3-9-233, Minohara
Ibaraki-shi, Osaka(JP)
Inventor: **Yamamura, Yasuo**
1015-8, Oaza Tokumaru
Masaki-cho, Iyo-gun Ehime(JP)

Representative: **Hoeger, Stellrecht & Partner**
Uhlandstrasse 14 c
W-7000 Stuttgart 1(DE)

Polyamide-polyester composite fiber and process for producing same.

Polyamide-polyester side-by-side type composite fibers useful for bulky nonwoven fabrics, which comprise a polyamide filamentary segment and a polyester copolymer filamentary segment comprising an aromatic dicarboxylic acid component comprising 2.0 to 10.0 molar% of 5-sodiumsulfo-isophthalic acid and the balance consisting of terephthalic acid and a glycol component comprising at least on C₂-C₁₀ alkylene glycol, and have a crimp number of 2 crimps/25 mm or less in water or under a wet condition at 100 °C or less and of 5 crimps/25 mm or more under an equilibrium condition at a temperature of 20 °C at 65% RH.

EP 0 413 280 A3



European
Patent Office

EUROPEAN SEARCH REPORT

Application Number

EP 90 11 5458

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)
X	US-A-3 038 236 (ALVIN L. BREEN) * column 1, line 56 - column 2, line 35; claims 1,3,4,6; examples 1-5,9 ** column 14, line 16 - column 14, line 63 @ column 16, line 51 - column 17, line 17 ** column 13, line 20 - column 13, line 51; claim 5 @ column 17, line 18 - column 17, line 43 * - - - -	1-7,8-10, 11	D 01 F 8/12 D 01 F 8/14
A	PATENT ABSTRACTS OF JAPAN vol. 13, no. 442 (C-641)(3790) October 4, 1989 & JP-A-1 169 000 (NIPPON ESTER CO LTD) July 4, 1989 * the whole document * - - - -		
A	DA-T- (05)Derwent Publications Ltd, London, GB; &JP-A-60252756 (TEIJIN KK) 13 December 1985 - - - - -		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5) D 01 F D 01 D
Place of search The Hague		Date of completion of search 04 September 91	Examiner TARRIDA TORRELL J.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			