



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 1 489 206 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
05.01.2005 Bulletin 2005/01

(51) Int Cl.7: **C08G 63/183, D01F 6/84**

(43) Date of publication A2:
22.12.2004 Bulletin 2004/52

(21) Application number: **04022765.4**

(22) Date of filing: **18.08.1998**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**

(30) Priority: **18.08.1997 JP 23549297**
10.09.1997 JP 24530197

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
98937854.2 / 1 006 220

(71) Applicant: **Asahi Kasei Kabushiki Kaisha**
Osaka-shi, Osaka (JP)

(72) Inventors:
• **Kato, Jinichiro**
Nobeoka-shi, Miyazaki 882-0036 (JP)
• **Fujimoto, Katsuhiro**
Nobeoka-shi, Miyazaki 882-0036 (JP)

(74) Representative: **von Kreisler Selting Werner**
Patentanwälte
Deichmannhaus am Dom
Bahnhofsvorplatz 1
50667 Köln (DE)

(54) **Polyester fiber and fabric using the same**

(57) A polyester resin is disclosed that satisfies the
following conditions (1) - (3):

(1) the polyester resin comprising a copolyester ob-
tained by copolymerizing terephthalic acid or dime-
thyl terephthalate, trimethylene glycol and at least
one compound selected from the group consisting
a glycol, an aliphatic or alicyclic dicarboxylic acid
and a poly(alkylene glycol);

(2) the resin has an intrinsic viscosity of 0.4 to 1.2
being measured at 35 °C with o-chlorophenol using
an Ostwald's viscometer; and

(3) the resin has a degree of yellow tinting as rep-
resented by a b value of -2 to 10.

EP 1 489 206 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 04 02 2765

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.7)
X	GB 1 507 358 A (BAYER AG) 12 April 1978 (1978-04-12) * claims 1,2,7 * -----	1,2	C08G63/183 D01F6/84
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			D01F C08G
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 15 November 2004	Examiner Tarrida Torrell, 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 (p04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 04 02 2765

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-11-2004

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 1507358	A	12-04-1978	DE 2431072 A1 15-01-1976
			BE 830660 A1 29-12-1975
			CA 1051592 A1 27-03-1979
			FR 2276335 A1 23-01-1976
			IT 1040708 B 20-12-1979
			JP 1243686 C 14-12-1984
			JP 51018795 A 14-02-1976
			JP 59019131 B 02-05-1984
			NL 7507573 A 30-12-1975
			US 4025492 A 24-05-1977
