

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



920494-7
1905

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : D01F 6/60, 1/04, 1/06, 1/10	A1	(11) International Publication Number: WO 98/50610 (43) International Publication Date: 12 November 1998 (12.11.98)
(21) International Application Number: PCT/EP98/02411 (22) International Filing Date: 23 April 1998 (23.04.98) (30) Priority Data: 60/045,269 1 May 1997 (01.05.97) US (71) Applicant: BASF CORPORATION [US/US]; 3000 Continental Drive-North, Mount Olive, NJ 07828-1234 (US). (72) Inventors: MC INTOSH, Stanley, A.; 348 Dogwood Road, Candler, NC 28715 (US). HU, Harry, Y.; 15 Spring Cove Road, Arden, NC 28704 (US). BAILEY, Bobby, J.; 117 Queen Road, Candler, NC 28715 (US). GANNON, O., Keith; 111 Holly Hills Drive, Mt. Sterling, KY 40353 (US). (74) Agents: STARK, Vera et al.; BASF Aktiengesellschaft, D-67056 Ludwigshafen (DE).		(81) Designated States: BG, BR, BY, CN, CZ, HU, ID, IL, JP, KR, LV, PL, RO, RU, SG, SI, SK, TR, UA, UZ, VN, Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>  *162162*  *G00001*

(54) Title: SOLUTION-DYED NYLON FIBERS

(57) Abstract

Stabilized solution-dyed fiber is made by melting a polyamide which is amide monomers polymerized in the presence of at least one mono or dicarboxylic acid chain regulator and at least one hindered piperidine compound, coloring the melted polyamide, and spinning the colored polyamide into fibers that have about 40 % or better retained tenacity after 2125 kJ exposure to xenon arc radiation as per AATCC Test Method 16-1993, "Colorfastness to Light", Option E. Copper stabilizers are unnecessary.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Larvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav	TM	Turkmenistan
BF	Burkina Faso	GR	Greece		Republic of Macedonia	TR	Turkey
BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
BR	Brazil	IL	Israel	MR	Mauritania	UG	Uganda
BY	Belarus	IS	Iceland	MW	Malawi	US	United States of America
CA	Canada	IT	Italy	MX	Mexico	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NE	Niger	VN	Viet Nam
CG	Congo	KE	Kenya	NL	Netherlands	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NO	Norway	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's	NZ	New Zealand		
CM	Cameroon		Republic of Korea	PL	Poland		
CN	China	KR	Republic of Korea	PT	Portugal		
CU	Cuba	KZ	Kazakstan	RO	Romania		
CZ	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden		
EE	Estonia	LR	Liberia	SG	Singapore		