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- (71) Applicant (for all designated States except US): **SOLVAY SPECIALTY POLYMERS USA, LLC** [US/US]; 4500 McGinnis Ferry Road, Alpharetta, Georgia 30005-3914 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **DESIO, Glenn P.** [US/US]; 2853 Interlaken Dr., Marietta, Georgia 30062 (US). **CUEVAS, Amy Marie** [US/US]; 802 Abingdon Way NE, Atlanta, Georgia 30328 (US). **NORFOLK, Linda M.** [US/US]; 845 Timberlake Trail, Cumming, Georgia 30041 (US). **VERFAILLIE, Geert J.** [BE/BE]; 16 Steenweg, B-9661 Parike (BE). **SINGLETARY, Nancy J.** [US/US]; 1820 Highgrove Club Drive, Alpharetta, Georgia 30004 (US).
- (74) Agents: **BENVENUTI, Federica** et al.; Solvay Sa, Intellectual Property Department, Rue de Ransbeek, 310, B-1120 Brussels (BE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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**Published:**

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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26 July 2012

(54) Title: STAIN-RESISTANT ARTICLES

(57) Abstract: The present invention relates to stain- or dye-resistant articles comprising a polymer composition (C) comprising: - at least one semi-aromatic polyamide comprising recurring units resulting from the condensation of terephthalic acid and at least one aliphatic diamine comprising more than 8 carbon atoms; - at least one filler; - from 0.1 to 35 wt. % of at least one white pigment, based on the total weight of the composition; wherein the color of said article has a lightness (L\*) of at least 70 in the CIE 1976 (L\* a\*, b\*) color space when measured according to ASTM E308-08.



INTERNATIONAL SEARCH REPORT

International application No  
PCT/EP2011/067898

A. CLASSIFICATION OF SUBJECT MATTER  
INV. C08K3/00  
ADD.  
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED  
Minimum documentation searched (classification system followed by classification symbols)  
C08K  
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/046279 A1 (STUDHOLME MATTHEW BENJAMIN [US] STUDHOLME MATTHEW [US]) 11 March 2004 (2004-03-11)	1,2,13,14
A	claims 28,30	3-10
X	US 2005/183218 A1 (RAO SUNDAR M [US] RAO SUNDAR MOHAN [US]) 25 August 2005 (2005-08-25) paragraph [0026] - paragraph [0026]	1

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  10 November 2011	Date of mailing of the international search report  13/06/2012
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Devriese, Karel

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2011/067898

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004046279	A1	11-03-2004	US 2004046279 A1
			US 2004152840 A1
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US 2005183218	A1	25-08-2005	AU 2005200834 A1
			CA 2498075 A1
			EP 1598454 A1
			EP 2281927 A1
			EP 2281928 A1
			EP 2281929 A1
			EP 2281930 A1
			EP 2281931 A1
			NZ 538484 A
			US 2005183218 A1
			WO 2005083162 A1
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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2011/067898

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
  
1-10, 13, 14

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10, 13, 14

subject-matter with PA10T, PA11T or PA12T (without PA9T)

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2. claims: 11, 12, 15

subject-matter restricted to electronic equipment housing applications

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