

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
23 November 2006 (23.11.2006)

PCT

(10) International Publication Number  
**WO 2006/123993 A3**

(51) International Patent Classification:  
C08F 2/16 (2006.01) C08F 220/56 (2006.01)

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(21) International Application Number:  
PCT/SE2006/050112

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

(22) International Filing Date: 9 May 2006 (09.05.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
05445036.6 20 May 2005 (20.05.2005) EP

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
16 August 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR PREPARING A POLYMER DISPERSION AND A POLYMER DISPERSION

(57) Abstract: The present invention relates to a process for preparing a polymer dispersion comprising polymerising one or more water soluble anionic monomers (m1) and one or 5 more non-ionic vinyl monomers (m2) present in a reaction mixture further comprising a polymeric stabiliser (B) and a polymeric co-stabiliser (C). It further relates to a polymer dispersion, the use of the polymer dispersion and a process for producing paper.



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**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/SE2006/050112

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> INV. C08F2/16 C08F220/56		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) C08F		
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 practical, search terms used) EPO-Internal, WPI Data, PAJ, CHEM ABS Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 245 838 B1 (BOGAERT YVAN A ET AL) 12 June 2001 (2001-06-12)	1-7, 12-19
Y	examples 34-38; table 6	8-11, 20-26
Y	----- US 6 265 477 B1 (HURLOCK JOHN R) 24 July 2001 (2001-07-24) column 4, line 53 - column 5, line 2; claim 12; examples	8-11, 20-26
A	----- WO 03/097703 A (AKZO NOBEL N.V; EKA CHEMICALS AB; FRAUNHOFER-GESELLSCHAFT ZUR FOERDERU) 27 November 2003 (2003-11-27) claims; examples	1-26
A	----- EP 0 637 598 A2 (NALCO CHEMICAL CO [US] NALCO CHEMICAL CO) 8 February 1995 (1995-02-08) figure 2	1-26
<input type="checkbox"/> Further documents are listed in the continuation of Box C.		<input checked="" type="checkbox"/> See patent family annex.
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*A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document 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  <p align="center">14 June 2007</p>		Date of mailing of the international search report  <p align="center">20/06/2007</p>
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  <p align="center">Friederich, Pierre</p>

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Information on patent family members

International application No

PCT/SE2006/050112

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