



- (51) **International Patent Classification:**
C09J 103/02 (2006.01) G09F 3/10 (2006.01)
C09J 189/00 (2006.01)
- (21) **International Application Number:**
PCT/NL2012/050198
- (22) **International Filing Date:**
27 March 2012 (27.03.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
11002574.9 29 March 2011 (29.03.2011) EP
- (71) **Applicant (for all designated States except US):** PARAMELT VEENDAM B.V. [NL/NL]; Adriaan Tripweg 25, NL-9241 KN Veendam (NL).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** LEVECKE, Bart [BE/BE]; Remylaan, 4, B-3018 Wijgmaal-Leuven (BE). LIPKENS, Heiko [BE/BE]; Remylaan, 4, B-3018 Wijgmaal-Leuven (BE).
- (74) **Agent:** DE BOER, Henk; J.W. Frisolaan 13, NL-2517 JS The Hague (NL).
- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM,

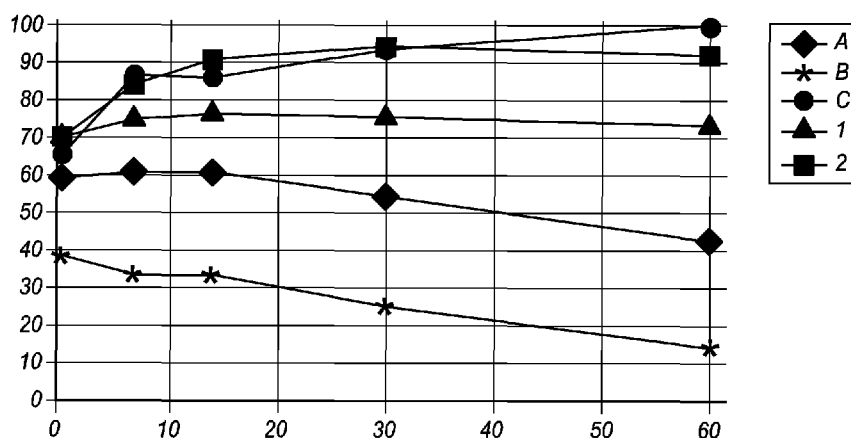
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, 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.

(84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

- 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))
- (88) **Date of publication of the international search report:**
22 November 2012

(54) **Title:** AQUEOUS ADHESIVE COMPOSITIONS

Fig. 1



(57) **Abstract:** The invention relates to an aqueous adhesive composition for labeling, wherein said composition comprises at least one protein component, at least one primary beta (β)-alcohol amine with at least two hydroxyl groups, and water. The protein component preferably comprises casein; the primary beta (β)-alcohol amine preferably comprises TRIS or AEPD. The invention further relates to a process for preparing aqueous adhesive compositions, and to a method for labeling containers.

WO 2012/134281 A3

INTERNATIONAL SEARCH REPORT

International application No PCT/NL2012/050198

A. CLASSIFICATION OF SUBJECT MATTER
 INV. C09J103/02 C09J189/00 G09F3/10
 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)
 C09J G09F

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, BIOSIS, EMBASE, MEDLINE, 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,P	EP 2 354 205 A1 (JOHNS MANVILLE [US]) 10 August 2011 (2011-08-10) the whole document <div style="text-align: center; margin-top: 10px;"> ----- -/-- </div>	1-14



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

19 September 2012

Date of mailing of the international search report

27/09/2012

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

Friedrich, Christof

INTERNATIONAL SEARCH REPORT

International application No

PCT/NL2012/050198

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>Rasmussen ET AL: "Human Cts -casein: purification and characterization", Comp. Biochem. Physiol., 1 January 1995 (1995-01-01), pages 75-81, XP55020808, Retrieved from the Internet: URL:http://pdn.sciencedirect.com/science?ob=MiamiImageURL&cid=271337&user=987766&pii=030504919400225J&check=y&origin=article&zone=toolbar&coverDate=31-May-1995&view=c&originContentFamily=serial&wchp=dGLbVBA-zSkzV&md5=e9fb187d0217a89c4b54997ed13c755e/1-s2.0-030504919400225J-main.pdf [retrieved on 2012-03-02] page 76, column 1, paragraph 8</p>	1,2
X	<p>WO 01/85866 A2 (NAT STARCH CHEM INVEST [US]) 15 November 2001 (2001-11-15) the whole document</p>	1,3-14
X	<p>GB 645 461 A (BX PLASTICS LTD) 1 November 1950 (1950-11-01) page 1, column 2, line 77 - line 84</p>	1
X	<p>US 2007/240823 A1 (ALEVISOPOULOS STEFAN [GB] ET AL) 18 October 2007 (2007-10-18) the whole document</p>	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/NL2012/050198

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
EP 2354205	A1	10-08-2011	CN 102153988 A EP 2354205 A1 US 2011189479 A1	17-08-2011 10-08-2011 04-08-2011

WO 0185866	A2	15-11-2001	AU 5947201 A CA 2409731 A1 EP 1285038 A2 US 2002151628 A1 WO 0185866 A2	20-11-2001 15-11-2001 26-02-2003 17-10-2002 15-11-2001

GB 645461	A	01-11-1950	NONE	

US 2007240823	A1	18-10-2007	AT 538191 T CN 101448910 A EP 2010620 A1 EP 2418262 A2 US 2007240823 A1 WO 2007120653 A1	15-01-2012 03-06-2009 07-01-2009 15-02-2012 18-10-2007 25-10-2007
