

AVISO DE NOTIFICACION

CORREO CERTIFICADO

227

Radicación	0-83196- -12-0 Fecha 2006-08-31 08 34.17
Trámite	2 PATENTES
Evento	1 REGDEPOSITO
Actuación	432 COMUNICACTOADM
Destinatario	DILIA MARIA RODRIGUEZ D ALEMAN Folios 1

Señor (a) (es)
DILIA MARIA RODRIGUEZ D'ALEMAN
CARRERA 11 NO 86-53 PISO 6
BOGOTA D C

REF RESOLUCION 23139
FECHA 30/08/2006
Expediente 0-83196
Trámite 2 PATENTES DE INVENCION
Evento 1 REGISTRO/DEPOSITO/CONCESION/DEPOSITO
Actuación 432 COMUNICACION ACTO ADMINISTRATIVO

Comedidamente le solicito presentarse a este Despacho ubicado en la Carrera 13 No 27 - 00 Piso Quinto (5), de la ciudad de Bogotá D C , dentro del termino de cinco (5) dias habiles contados a partir del envio de la presente citación, en horario de 8 30 a m a 5 00 p m jornada continua, con el fin de notificarle personalmente el contenido de la resolución de la referencia profenda dentro del expediente tramitado con el numero de radicación citado en el asunto

De no hacerse presente en el término indicado anteriormente, la providencia en mención se notificará por edicto, el cual se fijará por el término de diez (10) dias en el Centro de Documentación e Información

Para su comodidad el texto completo de la resolución se encontrara disponible en la página web de la Entidad desde el día hábil siguiente al de su notificacion, la cual podrá ser consultada desde un computador con acceso a Internet, en la página www.sic.gov.co, con el numero de resolución a través de la opcion servicios en linea - caracter general - consulta actos administrativos

Secretaría General
SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

228

Clarke, Modet & Cº

COLOMBIA

SEÑORES

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

DIVISION DE SIGNOS DISTINTIVOS

CIUDAD.

COD. 006

REF:

EXPEDIENTE 00 83196

DILIA RODRÍGUEZ D'ALEMAN, en mi condición de apoderada de la sociedad solicitante en el expediente de la referencia, por el presente me doy por notificada de la resolución No. 23134 de Agosto 30 de 2006, y en consecuencia solicito me sea entregada copia de la aludida resolución.

Agradezco su amable atención,

Señor Jefe,



DILIA RODRÍGUEZ D'ALEMAN

C.C. 41.654.882 de Bogota.

T.P. 20824 C.S.J.

Cra 11 No. 86-53 Piso 6 Tel:6181088 Bogota

Superintendencia de Industria y Comercio

*Otorga la Patente de Invención a.
P&A Hygiene Products Leist B V
Leist, Bases Bajas (Holanda)*

*A la Creación denominada.
"Productos superabsorbentes neutralizantes de alcalis"*

*Inventor(es)
Arno Besemer
Anno-Mieke Verwilligen
Jeffrey Thorton*

Certificado No. 28615

*Clasificación Internacional. A61F 13/15
de Patentes*

*10 Reivindicaciones
Vigente Desde. 01/11/2000
Hasta 01/11/2020*

Prioridad No EP 99203622 8 03/11/1999

*Que la solicitud de Patente de Invención No 0 83196 cumple con los
requisitos previstos en las disposiciones legales vigentes, Resolución No 23139
de 30/08/2006, en testimonio de ello se estampa la firma del funcionario
competente y el sello de esta Entidad*

Superintendente de Industria y Comercio

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference BO 42812		FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/PEA/416)
International application No PCT/NL00/00797	International filing date (day/month/year) 03/11/2000	Priority date (day/month/year) 03/11/1999
International Patent Classification (IPC) or national classification and IPC A61L15/20		
Applicant SCA HYGIENE PRODUCTS ZEIST B V et al		
1 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36 2 This REPORT consists of a total of 4 sheets, including this cover sheet ☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT) These annexes consist of a total of 2 sheets		
3 This report contains indications relating to the following items I ☒ Basis of the report II ☐ Priority III ☐ Non establishment of opinion with regard to novelty, inventive step and industrial applicability IV ☐ Lack of unity of invention V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement VI ☐ Certain documents cited VII ☐ Certain defects in the international application VIII ☐ Certain observations on the international application		
Date of submission of the demand 03/05/2001		Date of completion of this report 02 02
Name and mailing address of the international preliminary examining authority  European Patent Office D 80298 Munich Tel: +49 89 2399-0 Tx: 521656 epmu d		Authorized officer Beeck M 

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No PCT/NL00/00797

I Basis of the report

- 1 With regard to the elements of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70 16 and 70 17)*)

Description, pages

1-5 as originally filed

Claims, No

1 10 as received on 07/01/2002 with letter of 07/01/2002

- 2 With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed unless otherwise indicated under this item

These elements were available or furnished to this Authority in the following language , which is

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23 1(b))
- ☐ the language of publication of the international application (under Rule 48 3(b))
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55 2 and/or 55 3)

- 3 With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing

- ☐ contained in the international application in written form
- ☐ filed together with the international application in computer readable form
- ☐ furnished subsequently to this Authority in written form
- ☐ furnished subsequently to this Authority in computer readable form
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

- 4 The amendments have resulted in the cancellation of

- ☐ the description, pages
- ☐ the claims, Nos
- ☐ the drawings sheets

- 5 ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70 2(c))

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No PCT/NL00/00797

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report)

6 Additional observations, if necessary

V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement

1 Statement

Novelty (N)	Yes	Claims	1-10
	No	Claims	
Inventive step (IS)	Yes	Claims	1-9
	No	Claims	10
Industrial applicability (IA)	Yes	Claims	1-10
	No	Claims	

2 Citations and explanations
see separate sheet

SECTION V

- 1) The documents are numbered according to their sequence in the search report
- 2) The subject-matter of claims 1 to 9 differs from what is disclosed in documents D1 to D3 in that the **absorbing intermediate layer has a pH of 5.6 or lower**

The effect of this differing feature is that odour and microbial control is improved, whereas according to D1 to D3 the acid is used for neutralizing an alkaline polymer (D1), as an enhancing agent (D2) or as a binder (D3)

Since this was not obvious for the person skilled in the art, the subject-matter of claims 1 to 9 involves an inventive step

- 3) Since claim 10 is not restricted to a pH of 5.6 or lower and the process features of claim 10 are obvious for the person skilled in the art in view of documents D1 to D3, because they are common process features for manufacturing superabsorbent articles, the subject-matter of claim 10 does not involve an inventive step (Article 33 (3) PCT)

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INTERNATIONAL SEARCH REPORT

Int. Appl. No.
PCT/NL 00/00797

A CLASSIFICATION OF SUBJECT MATTER IPC 7 A61L15/20 A61L15/46 A61L15/60		
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) IPC 7 A61L A61F		
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, 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	EP 0 761 241 A (NIPPON CATALYTIC CHEM IND) 12 March 1997 (1997-03-12) page 8, line 39 - line 57 claims	1,2,4-11
X	WO 95 19191 A (WEYERHAEUSER CO) 20 July 1995 (1995-07-20) page 11, line 21 -page 12, line 2 page 39, line 15 -page 41, line 26 claims 1,18,19,29,30,39,48,51,58,59,78,80,81,83 -/-	1,2,4-11
☒ Further documents are listed in the continuation of box C ☒ Patent family members are listed in 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 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		
Z document member of the same patent family		
Date of the actual completion of the international search 6 March 2001		Date of mailing of the international search report 13/03/2001
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 apo nl Fax (+31-70) 340-3016		Authorized officer Thornton, S

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INTERNATIONAL SEARCH REPORT

C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		Int. l. Application No PCT/NL 00/00797
Category	Citation of document with indication where appropriate of the relevant passages	Relevant to claim No
X	WO 95 22655 A (WEYERHAEUSER CO) 24 August 1995 (1995-08-24) page 22, line 25 -page 23, line 20 page 30, line 22,43 page 38, line 16 - line 27 page 40, line 24 -page 41, line 17 example 12 claims	1-11
A	EP 0 311 344 A (PROCTER & GAMBLE) 12 April 1989 (1989-04-12) page 5, line 16 - line 57 page 6, line 14 - line 28 claims	1-7,9,10
A	US 3 707 148 A (BRYCE DOUGLAS MAXWELL) 26 December 1972 (1972-12-26) column 4, line 37 - line 66 examples 1,2 claims 1-8	1,2,4,5, 9,10

INTERNATIONAL SEARCH REPORT

 Int. Jonal Application No
 PCT/NL 00/00797

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0761241 A	12-03-1997	JP 9157534 A	17-06-1997
		JP 9124955 A	13-05-1997
		JP 2000342963 A	12-12-2000
		KR 197888 B	15-06-1999
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WO 9519191 A	20-07-1995	AU 1527195 A	01-08-1995
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		JP 9509226 T	16-09-1997
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US 3707148 A	26-12-1972	BE 751464 A	04-12-1970
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		FR 2049996 A	26-03-1971
		GB 1317156 A	16-05-1973
		NL 7008200 A	08-12-1970
		ZA 7003733 A	27-01-1971

(12) **EUROPEAN PATENT SPECIFICATION**

- (45) Date of publication and mention of the grant of the patent
18 02 2004 Bulletin 2004/08

(51) Int Cl 7 **A61L 15/20, A61L 15/46, A61L 15/60**
- (21) Application number **00980099 6**

(86) International application number
PCT/NL2000/000797
- (22) Date of filing **03 11 2000**

(87) International publication number
WO 2001/032226 (10 05 2001 Gazette 2001/19)

(54) **ALKALI-NEUTRALISING SUPERABSORBENT PRODUCTS**
ALKALI NEUTRALISIERENDE MITTEL ENTHALTENDE SUPERABSORBENTIEN
PRODUITS SUPERABSORBANTS NEUTRALISANT LES SUBSTANCES ALCALINES

- | | |
|---|--|
| <div>(84) Designated Contracting States
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR</div> <div>(30) Priority 03 11 1999 EP 99203622</div> <div>(43) Date of publication of application
31 07 2002 Bulletin 2002/31</div> <div>(73) Proprietor SCA Hygiene Products Zeist B V
3700 AJ Zeist (NL)</div> <div>(72) Inventors<ul style="list-style-type: none">BESEMER, Arie
NL-3958 CC Amerongen (NL)</div> | <div><ul style="list-style-type: none">VERWILLIGEN Anne Mieke
NL 3706 CN Zeist (NL)THORNTON, Jeffrey
NL 1272 AL Hulzen (NL)</div> <div>(74) Representative van Westenbrugge, Andries et al
Nederlandsch Octrooibureau
P O Box 29720
2502 LS The Hague (NL)</div> <div>(56) References cited<div><div>EP-A- 0 311 344</div><div>EP-A- 0 761 241</div><div>WO-A-95/19191</div><div>WO-A 95/22655</div><div>US A 3 707 148</div></div></div> |
|---|--|

Note Within nine months from the publication of the mention of the grant of the European patent any person may give notice to the European Patent Office of opposition to the European patent granted Notice of opposition shall be filed in a written reasoned statement It shall not be deemed to have been filed until the opposition fee has been paid (Art 99(1) European Patent Convention)

Claims

- 1 A superabsorbent article having improved odour control and microbial control comprising a liquid impervious back layer a liquid absorbing intermediate layer containing a surface crosslinked partially neutralised acidic hydrophilic polymer and a liquid pervious non absorbing top layer characterised in that an alkali neutralising agent is evenly distributed in said absorbing intermediate layer and said absorbing layer after humidification with neutral water, has a pH of 5.6 or lower
- 2 A superabsorbent article according to claim 1 in which the alkali neutralising agent is an organic acid selected from maleic, fumaric, oxalic, malonic, succinic, citric, gluconic, ascorbic, glycolic, glyceric, lactic, malic, tartaric and salicylic acid especially citric, malic or lactic acid
- 3 A superabsorbent article according to claim 1, in which the alkali neutralising agent is selected from anhydrides, lactides and lactones, especially dilactide, glycolide, butyrolactone, valerolactone, gluconolactone and maleic anhydride
- 4 A superabsorbent article according to any one of claims 1-3, in which the alkali neutralising agent is present in an amount of 0.2 to 1 weight part per weight part of hydrophilic polymer
- 5 A superabsorbent article according to any one of claims 1-4 in which the article contains a cellulosic carrier material in an amount of 2 to 10 weight parts per weight part of hydrophilic polymer
- 6 A superabsorbent article according to any one of the preceding claims, in which the hydrophilic polymer comprises polyacrylate
- 7 A superabsorbent article according to any one of the preceding claims in which the acidic polymer has a degree of neutralisation of at least 50% especially between 60 and 80%
- 8 A superabsorbent article according to any one of the preceding claims in which the absorbing layer after humidification with neutral water has a pH between 3.5 and 5.0
- 9 A superabsorbent article according to any one of the preceding claims which contains 2.5 to 10 g of hydrophilic polymer
- 10 A process for producing a superabsorbent article having improved odour control and microbial control comprising mixing an alkali neutralising agent with a surface crosslinked, highly neutralised acidic hydrophilic polymer distributing the mixture in a fibrous carrier material, working the carrier material into a liquid absorbing layer and covering the layer of carrier material with a liquid-impervious layer on one side and with a liquid pervious, non absorbing layer, at the other side, the alkali neutralising agent being used in a sufficient amount to produce a pH in the absorbing layer of 5.6 or lower

Patentansprüche

- 1 Superabsorber Gegenstand mit verbesserter Geruchskontrolle und mikrobieller Kontrolle umfassend eine Flüssigkeits-undurchdringliche Rückenschicht, eine Flüssigkeits absorbierende Zwischenschicht, die ein oberflächen vernetztes, teilweise neutralisiertes, saures hydrophiles Polymer enthält und eine Flüssigkeits durchlässige, nicht absorbierende Oberschicht, dadurch gekennzeichnet, daß ein Alkali neutralisierendes Mittel gleichmäßig in der absorbierenden Zwischenschicht verteilt ist und die absorbierende Schicht nach Befeuchtung mit neutralem Wasser einen pH-Wert von 5.6 oder niedriger aufweist
- 2 Superabsorber Gegenstand gemäß Anspruch 1, worin das Alkali neutralisierende Mittel eine organische Säure ist, ausgewählt aus Maleinsäure, Fumarsäure, Oxalsäure, Malonsäure, Bernsteinsäure, Zitronensäure, Glukonsäure, Ascorbinsäure, Glykolsäure, Glycerinsäure, Milchsäure, Apfelsäure, Weinsäure und Salicylsäure, insbesondere Zitronensäure, Apfelsäure oder Milchsäure
- 3 Superabsorber Gegenstand gemäß Anspruch 1, worin das Alkali neutralisierende Mittel aus Anhydriden, Lactiden und Lactonen, insbesondere Dilactid, Glykolid, Butyrolacton, Valerolacton, Gluconolacton und Maleinsäureanhydrid



Application No: GB 9812625 3
Claims searched: 1-11

Examiner: Anwar Gilani
Date of search: 23 September 1998

Patents Act 1977
Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in
UK Cl (Ed P) A5R (RPV, RPK, RPD)
Int Cl (Ed 6) A61F 13/15, A61L 15/16, 15/22, 15/46
Other Online WPI

Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
A	GB2175210 A (PROCTER AND GAMBLE) p 2 l 61-p 3 l 39, p 4 l 36-43, p 5 l 1-9	1
A	EP0316518 A2 (VERIENIGTE PAPIERWERKE AG) see abstract	1
A	EP0311344 A2 (PROCTER AND GAMBLE) p 3 l 34-44	1
A	US4634438 (SUSTMANN) col 2 l 30-col 3 l 10	1

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art
Y	Document indicating lack of inventive step if combined with one or more other documents of same category	P	Document published on or after the declared priority date but before the filing date of this invention
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application