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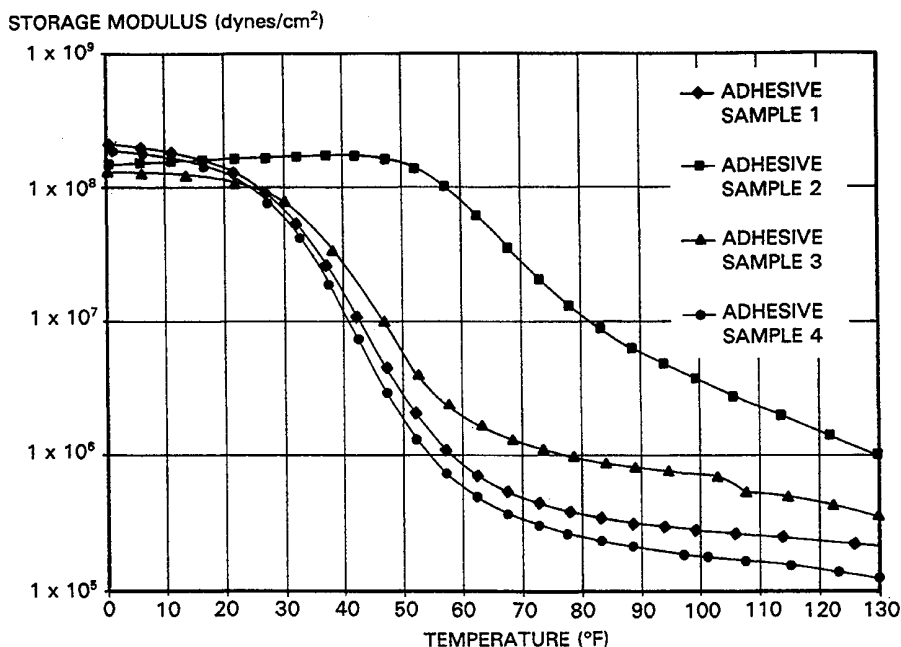
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16 September 1999 (16.09.99)

(54) Title: ADHESIVE FOR USE IN DISPOSABLE ABSORBENT PRODUCTS



(57) Abstract

Disclosed is the use of an adhesive to prepare a disposable absorbent product intended for the absorption of liquids such as body liquids. It is generally desired that the adhesive exhibits a storage modulus greater than about 1×10^6 dynes per square centimeter across the temperature range of about 0°F to about 130°F . The use of such an adhesive results in a reduced visibility of the adhesive through the outer sheets, such as breathable films, of a disposable absorbent product to a wearer or user, thereby improving the aesthetics of the disposable absorbent product.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/27737

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 6 A61L15/58 A61L15/24 A61F13/15

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 6 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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 95 16562 A (KIMBERLY CLARCK CORP) 22 June 1995 see abstract see page 1, line 7-24 see page 2, line 7-22 - page 3, line 13-24 see page 5, line 3-37 - page 6, line 1-24 see page 13, line 9-31; claims 1,11; example 3 ---	1-6,9, 11-13
Y	WO 97 33921 A (DOW CHEMICAL CO ;FULLER H B LICENSING FINANC (US); SIMMONS EUGENE) 18 September 1997 see abstract see page 1, line 3-11 - page 6, line 8-26 see page 27, line 1-23 - page 54, line 1-10 --- -/--	1-6,9, 11-13

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.
- "&" document member of the same patent family

Date of the actual completion of the international search

28 June 1999

Date of mailing of the international search report

06/07/1999

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

Int. .ational Application No
PCT/US 98/27737

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,P	WO 98 29246 A (KIMBERLY CLARK CO) 9 July 1998 see page 1, line 8-22 - page 10, line 9-26 see page 13, line 20-26 ---	1-6,9, 11-13
A	EP 0 296 787 A (JOHNSON & JOHNSON PATIENT CARE) 28 December 1988 see abstract see page 2-3, line 44-52 - line 26-59 ---	1,6
A	WO 97 04955 A (BLESSINGS CORP) 13 February 1997 see abstract see page 2, line 14-17 see page 12-13, line 11-34 - line 1-9 see page 16, line 6-25 see page 51, line 6; claim 25 ---	1,5,6,9, 11-13
A	WO 94 26834 A (RICERCHE FATER P & G SPA CENTR ;CORZANI ITALO (IT)) 24 November 1994 see page 4, line 15-19 see page 5, line 4-6 see page 6, line 6-19 see page 8, line 24-29 see page 9, line 11-17 -----	1,11,12

INTERNATIONAL SEARCH REPORT

international application No.

PCT/US 98/27737

Box I Observations where certain claims were found unsearchable (Continuation of item 1 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.: 7, 8, 14
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:
see FURTHER INFORMATION sheet PCT/ISA/210

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 II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

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

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 fee, this Authority did not invite payment of any additional fee.

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.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Present claims 7, 8, 14 relate to a product by reference to the following parameters:

P1 : Adhesive Staining value :

-after storage for 30 days at a temperature of about 73°F < 175

-after storage for 30 days at a temperature of about 73°F < 100

The use of these parameters in the present context is considered to lead to a lack of clarity within the meaning of Article 6 PCT. It is impossible to compare the parameters the applicant has chosen to employ with what is set out in the prior art. The lack of clarity is such as to render a meaningful complete search impossible. Consequently, the search has been restricted to : Claims 1-6, 9-13

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Claims Nos.: 7,8,14

Present claims 7, 8, 14 relate to a product by reference to the following parameters:

P1 : Adhesive Staining value :

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 98/27737

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