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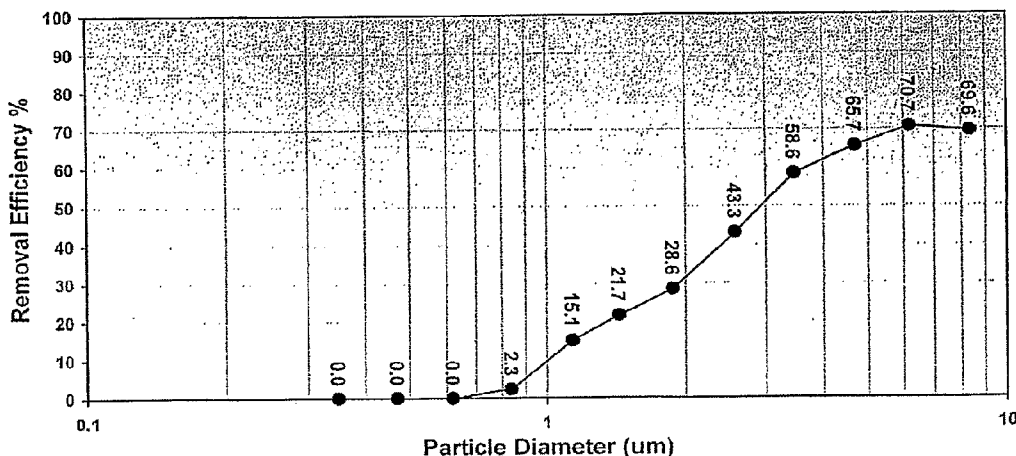
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[Continued on next page]

(54) Title: TACKY ALLERGEN TRAP AND FILTER MEDIUM

Initial Particle Size Removal Efficiency



Figures 19A

(57) Abstract: An allergen trap is provided. The allergen trap includes a woven or nonwoven substrate having at least one strata. The trap is impregnated with or otherwise treated with a tacky adhesive by which allergens may be trapped. An example of an allergen is a dust mite. The tacky adhesive, in turn, may be treated with a miticide or activated carbon.

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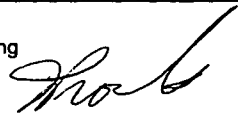


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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/60710

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - B32B 5/02 (2007.10) USPC - 442/59, 149 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) USPC - 442/59, 149 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC - 15/104.002; 442/44, 123, 164, 187 search terms below Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWEST(USPT,PGPB,EPAB,JPAB); Google Search Terms Used: carding, fiber, continuously adhering nonwoven to adhesive, airlaid, tacky, binder, adhesive, gsm		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2000/222852 A (Hidenori). 11 August 2000 (11.08.2000), abstract	1, 2, 5 and 46 ----- 3, 4, 6, 16-18, 20, 21 and 47-50
Y	US 2005/0014431 A1 (CARMODY et al.) 20 January 2005 (20.01.2005), para [0009-0038]	3, 6, 16-18, 20 and 21
Y	US 2005/0132886 A1 (SCHULTZE et al.) 23 June 2005 (23.06.2005), para [0019]	4
Y	US 4,874,451 A (BOGER et al.) 17 October 1989 (17.10.1989), col 1, 14	47-50
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/>		
* 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 04 November 2007 (04.11.2007)		Date of mailing of the international search report 10 JAN 2008
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Lee W. Young  PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/60710

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.: 7-15, 19, 22-45 and 51-82
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:

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

Group I: claims 1-6, 16-18, 21 and 46-50 are directed to a tacky material comprising: a woven or nonwoven substrate which contains a matrix of fibers and a tack adhesive; and a process for making the same.

Group II: claims 83 and 84 are directed to a method for containing allergens adjacent an allergen-bearing article comprising: providing a tacky material, placing the tacky material adjacent the allergen-bearing article; trapping allergens; removing the tacky material from the allergen-bearing article; and disposing of the allergen-bearing article.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because under PCT Rule 13.2 they lack the same or corresponding technical features.

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 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.: 1-6, 16-18, 20, 21 and 46-50

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.