

INFORME DE BÚSQUEDA DE PATENTES PARA EL No de Radicación: 14-094351						
CRITERIOS PARA LA BÚSQUEDA (anexar pantallazo o reporte en PDF, junto con los boleanos utilizados)						
Palabras clave utilizadas		Sanitary napkins, absorbent article and process, hygienic sanitary towel, absorbent foam materials, absorbent structure, airlaid nonwoven, airlaid absorbent products.				
CLASIFICACIONES INTERNACIONALES UTILIZADAS PARA LA BÚSQUEDA		A61F13/15; A61F13/47; A61F13/49; A61F13/494; A61F13/535				
BASES DE DATOS CONSULTADAS.						
ESPACENET		Patent scope		Patbase		
INFORMES DE EXÁMENES REALIZADOS EN OTRAS OFICINAS (documentos patentes, literatura no patente etc...)						
Oficina	Fecha del examen o de reporte de búsqueda de documentos	Anterioridades encontradas para el examen o reportados en el examen de búsqueda(relacionarlos todos)	Reiv. afectadas	RELEVANCIA (requisito que afecta)	FUERON TENIDOS EN CUENTA PARA EL EXAMEN EN LA OFICINA COLOMBIANA	
					SI	NO
WIPO	29/11/2012	Absorbent article and method of producing the absorbent article EP2130521	1 – 22	Novedad	X	
		Method of making preformed absorbent cores and absorbent cores produced thereby US2004087928	1 – 22	Novedad		X
		Sanitary napkin US4184498	1 – 22	Novedad	X	
		Method of making an absorbent composite and absorbent articles employing the same US2007197987	1 – 22	Novedad		X
DOCUMENTOS ADICIONALES ENCONTRADOS POR EL EXAMINADOR DE ACUERDO A LOS CRITERIOS DE BÚSQUEDA.						
Hygienic sanitary towel US4333465A						
Absorbent structure having improved fluid surge management and product incorporating same US5364382						
Pocket-like diaper or absorbent article US5176672A						
Absorbent foam materials for aqueous body fluids and absorbent articles containing such materials US5260345						
Absorbent article with center fill performance US2004102752						
Estación de conformación por tendido al aire con miembro deflector para producir materiales no tejidos ES2144622						

Process for producing carded and air-laid non-woven composite fabric US6273978

Observaciones

Fecha del reporte de búsqueda:

08/10/2015

Browser tabs: E Espacenet - Bibliog x, EPO About this file - Eur x, E Espacenet - Bibliog x, G US4333465A—Goc x, Traductor de Goog x, Edwin Yovani

Address bar: <https://patents.google.com/patent/US4333465A/en?q=hygienic&q=towel&before=20111111>

Google Patents

1 of 9.340

SEARCH TERMS

hygienic x + Synonym

towel x + Synonym

+ Search term

SEARCH FIELDS

Before priority date 2011-11-11 x

+ Assignee

MORE v

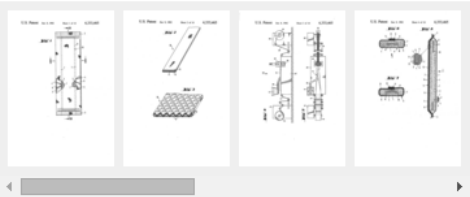
BACK TO 9.3K RESULTS

Hygienic sanitary towel

Abstract

A sanitary **towel** for absorbing body fluids composed of an absorptive hydrophilic fiber filling having a cover, the cover being composed of a liquid-impermeable composite material and having a defined liquid-permeable zone. The core of the filling material contains an insert having highly absorptive polymers therein and being covered with a liquid-permeable woven carrier material, fleece or tissue. Such towels are easy to manufacture, highly absorptive and possess good tactile properties.

Images (10)



Classifications

A61F13/512 Topsheet, i.e. the permeable cover or lower facing the skin characterised by its apertures, e.g.

US4333465A

US Grant

Download PDF

Find Prior Art

Application number: US06100556

Inventor: Georg Wiegner

Assignee: Georg Wiegner

Priority date: 1978-09-12

Filing date: 1979-12-05

Publication date: 1982-06-08

Grant date: 1982-06-08

Info: Patent citations (11), Cited by (42), Also published as (4)

External links: USPTO, USPTO Assignment, Espacenet, Discuss

<https://patents.google.com/patent/US4333465A/en?q=hygienic&q=towel&before=20111111>

Esipacenet - Bibliog

EP0 About this file - Eur

Esipacenet - Bibliog

hygienic, towel, pro

Traductor de Goog

Edwin Yovani

← → ↺ https://patents.google.com/?q=hygienic&q=towel&q=process&before=20111111

Google Patents

SEARCH TERMS

hygienic × + Synonym

towel × + Synonym

process × + Synonym

SEARCH FIELDS

Before priority date 2011-11-11 ×

+ Assignee

MORE ▾

About 6,993 results ordered by relevance, grouped by classification ([view ungrouped](#))

A61F13/511?

Topsheet, i.e. the permeable cover or layer facing the skin

Hygienic sanitary towel A sanitary towel for absorbing body fluids composed of ...



Grant US4333465A • Georg Wiegner • Georg Wiegner
Priority 1978-09-12 • Filed 1979-12-05 Granted 1982-06-08
Such **towels** are easy to manufacture, highly absorptive and possess good tactile properties. The invention relates to an **hygienic** sanitary **towel** for absorbing body fluids from a fluid outlet of the body with an absorptive filling of hydrophilic fiber materials and at least one cover, and the **process** for its ...

Hygienic sanitary towel A sanitary towel for absorbing body fluids composed of ...



Grant US4662876A • Georg Wiegner • Georg Wiegner
Priority 1978-12-09 • Filed 1984-04-23 Granted 1987-05-05
No. 4,333,465. The invention relates to an **hygienic** sanitary **towel** for absorbing body fluids from a fluid outlet of the body with an absorptive filling of hydrophilic fiber materials and at least one cover, and the **process** for its manufacture. Such **hygienic** sanitary **towels** are used in various constructions, ...

→ [Search within classification A61F13/511 \(699 results\)](#)

A61F13/53?

Absorbent pads, e.g. sanitary towels, swabs or tampons for external or internal application to the body; Supporting or fastening means therefor; Tampon applicators characterised by the

About

Send Feedback

Terms

Privacy Policy

RV: Cambio de clave y Tur
PB PatBase

https://www.patbase.com/default.asp

1) Family number: 1276693 (US4184498A)
Similar • Translate • Full-text • Status • Citations

Title: [EN] Sanitary napkin

Abstract: Source: US4184498A [EN] Disposable sanitary napkin comprising an absorbent structure imprisoned between an outer, impermeable film and an inner, permeable covering, by the edges of the film and the edges of the covering being joined together. Said absorbent structure comprises a main absorbent pad having the form of an oblong, tapering towards the rear, and having two side swellings and possibly a secondary absorbent pad less compact than the main absorbent pad. The invention also relates to a method of manufacturing such a sanitary napkin.

Classifications: [Classification Explorer](#)
International (IPC 8-9): A61F13/15 A61F13/472 (Advanced/Invention); A61F13/56 (Advanced/Non-invention); A61F13/15 (Core/Invention); A61F13/56 (Core/Non-invention)
International (IPC 1-7): A61F13/16 A61F13/18 A61F13/20 A61L15/00
CPC: A61F13/15634 A61F13/472 A61F13/47245 A61F13/534 A61F13/536 A61F13/537 A61F13/539 A61F13/58 A61F2013/15821 A61F2013/4587 A61F2013/51186 A61F2013/51409 A61F2013/53445 A61F2013/53721 A61F2013/53908 A61F2013/5395 A61F2013/582 A61F2013/53013
European: A61F13/15M3C A61F13/472 A61F13/472C1 A61F13/536 K61F13/15C3D1 K61F13/15E10 K61F13/15E10A K61F13/15E10C K61F13/15E2 K61F13/15E2A K61F13/15E2D K61F13/15E2D4 K61F13/15E4 K61F13/15H10 K61F13/45D K61F13/511F K61F13/56A K61F13/56A1
US: 128/290R 604/375 604/379 604/387 D24/125

Family: [Family Explorer](#)

Publication number	Publication date	Application number	Application date	Links
BE853933 A1	19771025	BE19770176996	19770425	
BR7702588 A	19780117	BR19770002588	19770425	
CA1115452 A1	19820105	CA19770276506	19770419	

Command line: Search

NEXT • PREVIOUS • TOP • SEARCH • FULL-TEXT
LSTATUS • CITATIONS • DRAWINGS • INS ADD TO FOLDER

Command line (expand) | Minimize command line

RV: Cambio de clave y Tur

P B Pat Base

https://www.patbase.com/default.asp

Menu

Search

History

Session

Folder

Order

Help

Logoff

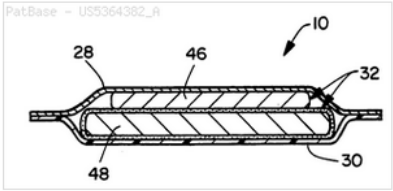
2) Family number: 3303661 (US5364382A)

Similar • Translate • Full-text • Status • Citations

Title: [EN] Absorbent structure having improved fluid surge management and product incorporating same

Abstract: Source: US5364382A [EN] An absorbent article includes a retention portion for storing absorbed liquids, and a distinctive surge management portion. The surge management portion, which has a selected basis weight, is constructed to rapidly uptake and temporarily hold at least three (3) successive surges of liquid directed into the target zone of the article and then release each of the surges to the retention portion. The retention portion desorbs each input of liquid from the surge management portion and stores the liquid. Particular functional and structural parameters can further characterize the surge management portion of the absorbent article.

PatBase - US5364382_A



Classifications: [Classification Explorer](#)

International (IPC 8-9): A61F13/15 A61F13/53 (Advanced/Invention); A41B A61F (Subclass/Invention)

International (IPC 1-7): A41B A61F13/15 A61F13/20 A61F13/46 A61F13/53 A61F13/54 A61L15/16 A61L15/18 A61L15/24 A61L15/26 A61L15/28

CPC: A61F13/15585 A61F13/49009 A61F13/511 A61F13/535 A61F13/537 A61F13/5376 A61F13/539 A61F2013/15406 A61F2013/49031 A61F2013/51066 A61F2013/51409 A61F2013/51411 A61F2013/51443 A61F2013/5149 A61F2013/530007 A61F2013/530131 A61F2013/53027 A61F2013/530277 A61F2013/530299 A61F2013/53035 A61F2013/530569 A61F2013/530613 A61F2013/530941 A61F2013/53445 A61F2013/53721 A61F2013/53795

European: A61F13/49D2 A61F13/535 A61F13/537D K61F13/15J8E K61F13/15M2 K61F13/49D2H3 K61F13/511 K61F13/514A4 K61F13/514A4A K61F13/514A6A K61F13/514C4B K61F13/51N2 K61F13/534C K61F13/537 K61F13/537B5 K61F13/537H K61F13/539 K61F13/53L K61F13/53M K61F13/53M4D1A K61F13/53M4D1B K61F13/53M4E K61F13/53M7A K61F13/53Q3 K61F13/53Q4B K61F13/53S5A1

US: 604/358 604/366 604/370 604/378 604/384 604/385.21

Family: [Family Explorer](#)

Publication number	Publication date	Application number	Application date	Links
AT140866 E	19960815	AT19900108650T	19900508	
AU199053748 A1	19901108	AU19900053748	19900420	
AUS22313 B2	19920402	AU19900053748	19900420	

Command line:

Search

Next • Previous • Top • Search • Full-text
LSTATUS • Citations • Drawings • INS ADD TO FOLDER

Command line (expand) | Minimize command line

3) Family number: 15015371 (US5176672A)

Similar Translate Full-text Status Citations

Title: [EN] POCKET-LIKE DIAPER OR ABSORBENT ARTICLE

Abstract: Source: US5176672A [EN] A diaper or absorbent article comprising a topsheet, a backsheet, an absorbent between the topsheet and backsheet, and an elevating device for spacing the topsheet above the absorbent to form a pocket-like shape. The topsheet can have a generally U-shaped opening and the absorbent can have a hole therein, both of which receive and isolate waste material from the wearer. The absorbent side edges can have portions that are gatherable by elastic members attached in a stretched condition.

Classifications: [Classification Explorer](#)

International (IPC 8-9): A61F13/15 A61F13/494 A61F5/44 (Advanced/Invention);

A61F5/44 (Advanced/Non-invention);

A61F13/15 A61F5/44 (Core/Invention)

International (IPC 1-7): A41B13/02 A61F13/15 A61F13/18 A61F13/46 A61F13/494 A61F5/44

CPC: A61F13/49413 A61F13/495 A61F13/51 A61F2013/15365 A61F2013/1539 A61F2013/4568

A61F2013/4587 A61F2013/49031 A61F2013/49076 A61F2013/49096 A61F2013/49493

A61F2013/5128 A61F2013/530481 A61F2013/53769 A61F13/49009

European: A61F13/495 A61F13/49D2 K61F13/15J8D K61F13/15J8D2 K61F13/45C4

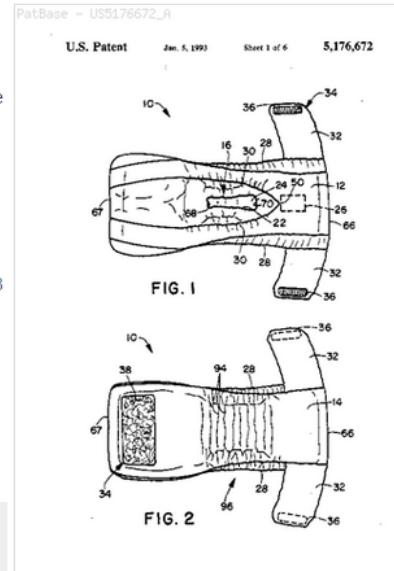
K61F13/45D K61F13/494A1 K61F13/494F K61F13/495 K61F13/49D2H3 K61F13/49H5

K61F13/49W K61F13/51 K61F13/512F K61F13/537E1 K61F13/53Q

US: 604/378 604/385.1 604/385.19 604/391

Family: [Family Explorer](#)

Publication number	Publication date	Application number	Application date	Links
AU199187751 A1	19920514	AU19910087751	19911111	
AU199350393 A1	19940113	AU19930050393	19931101	
AU199350394 A1	19940113	AU19930050394	19931101	



Command line: Search

Command line (expand) | Minimize command line

NEXT PREVIOUS TOP SEARCH FULL-TEXT
 LSTATUS CITATIONS DRAWINGS INS ADD TO FOLDER

RV: Cambio de clave y Tur x PB PatBase x

https://www.patbase.com/default.asp

Menu Search History Session Folder Order Help Logoff

4) Family number: 31989009 (US5260345A) - View Extended Family

Similar Translate Full-text Status Citations

This family is part of an extended family. Please click here to view the extended family.

Title: [EN] ABSORBENT FOAM MATERIALS FOR AQUEOUS BODY FLUIDS AND ABSORBENT ARTICLES CONTAINING SUCH MATERIALS

Abstract: Source: US5260345A [EN] Disclosed are absorbent foam materials suitable for use as or in the absorbent cores of absorbent articles, such as diapers which absorb and retain aqueous body fluids. Such foam materials comprise hydrophilic, flexible open-celled structures which are preferably prepared by polymerizing high internal phase (HIPE) water-in-oil emulsions. Such foam materials have a pore volume of from about 12 to 100 mL/g, and a capillary suction specific surface area of from about 0.5 to 5.0 m²/g. These materials also exhibit a resistance to compression deflection such that a confining pressure of 5.1 kPa produces after 15 minutes a strain of from about 5 percent to 95 percent compression when the material is saturated at 37 DEG C. to its free absorbent capacity with synthetic urine.

Classifications: Classification Explorer

International (IPC 8-9): A61F13/15 A61F13/53 A61F13/56 A61L15/22 A61L15/42 C08F12/00 C08F2/32 C08F20/18 C08F212/06 C08F212/08 C08F212/34 C08F220/10 C08F236/04 C08J9/00 C08L101/00 C08L25/08 (Advanced/Invention); C08F12/00 C08J9/00 C08L101/00 (Advanced/Non-invention); A61F13/15 A61F13/56 A61L15/16 C08F12/00 C08F2/32 C08F20/00 C08F212/00 C08F220/00 C08F236/00 C08J9/00 C08L101/00 (Core/Invention)

International (IPC 1-7): A41D20/00 A61F13/15 A61F13/46 A61F13/53 A61L15/00 A61L15/16 A61L15/22 A61L15/24 A61L15/26 A61L15/42 B32B3/26 C08F2/32 C08F20/18 C08F212/06 C08F212/08 C08F212/34 C08F236/04 C08F36/04 C08J9/00 C08J9/28 C08L101/00 C08L25/08

CPC: Y10S521/905 Y10S521/918 A61F13/49012 A61F13/532 A61F13/535 C08F2/32 A61F13/15203 A61F13/53 A61F13/5622 A61F2013/1539 A61F2013/530007 A61F2013/530737 A61F2013/53081 A61L15/425 Y10T428/249975 Y10T428/249978 Y10T428/249991 Y10T428/249993 Y10T442/647 Y10T442/649 A61F2013/53003 A61F2013/53045 A61F2013/53046 A61F2013/53047 A61F2013/53048 A61F2013/53070 A61F2013/53080 A61F2013/53083 A61F2013/53085 Y10T428/24998

European: A61F13/15 A61F13/49012 A61F13/53 A61F13/532 A61F13/535 A61F13/560

Command line: Search

Next Previous Top Search Full-text
LSTATUS Citations Drawings INS ADD TO FOLDER

Nuevas Creaciones x Consulta de Docu x www.espatentes.c... x material tendido x Espanet - Orig... x Absorbent Techno... x Rothwell banding... x PB PatBase x Patent US7429689 x

https://www.patbase.com/default.asp

Menu Search History Session Folder Order Help Logoff

Similar Translate Full-text Status Citations

This family is part of an extended family. Please click here to view the extended family.

Title: [EN] ABSORBENT ARTICLE WITH CENTER FILL PERFORMANCE

Abstract: Source: US2004102752A [EN] An absorbent article comprising a central absorbent member and a lateral wicking barrier for inhibition of wicking from the central regions of the article to an outlying outer absorbent member. The wicking barrier has a vertical component for prevention of radial wicking in the plane of the article and thus promotes center filling of the article with fluid and reduces the likelihood of leaks from the sides of the article. The wicking barrier can also have a horizontal component to prevent leakage, redirect fluid flow, and improve fit and performance of the article. In one embodiment, the central absorbent member is a concentric absorbent structure having alternating rings of barrier material and absorbent material, including a spiral wound composite formed from a layer of barrier material and then sliced to provide a thin absorbent layer having high permeability in the thickness direction but low permeability in the plane due to the barrier material.

Classifications: Classification Explorer

International (IPC 8-9): A61F13/15 A61F13/472 A61F13/49 A61F13/511 A61F13/514 A61F13/515 A61F13/53 A61F13/534 A61F13/539 A61F5/44 (Advanced/Invention); A61F13/15 A61F5/44 (Core/Invention)

International (IPC 1-7): A61F13/15 A61F13/20

CPC: Y10T428/24273 A61F13/53704 A61F13/4751 A61F13/4755 A61F13/4758 A61F13/51474 A61F13/532 A61F13/5323 A61F13/53409 A61F13/535 A61F13/536 A61F13/53743 A61F13/53752 A61F13/5376 A61F13/539 A61F2013/4568 A61F2013/53782

European: A61F13/475A A61F13/475A2 A61F13/475B A61F13/514C A61F13/532 A61F13/532B A61F13/534B A61F13/535 A61F13/536 A61F13/537A A61F13/537C A61F13/537C4 A61F13/537D A61F13/539 K61F13/45C4 K61F13/537E4

US: 428/131 604/358 604/378 604/378P 604/383 604/385.01 604/385.08 604/385.101

Family: Family Explorer

Publication number	Publication date	Application number	Application date	Links
US2004102752 AA	20040527	US20030662251	20030915	
US7429689 BB	20080930	US20030662251	20030915	

Priority: Priority Map Extended Priority Map
US19980165875 19981002 US20030662251 20030915

Probable Assignee: KIMBERLY CLARK CO

Assignee(s): (std): KIMBERLY CLARK CO

Assignee(s): KIMBERLY CLARK WORLDWIDE INC.; LINDSAY JEFFREY D.; BEDNARZ JULIE M.; CHEN FUNG JOU.; DIPALMA JOSEPH

Inventor(s): (std): LINDSAY JEFFREY D.; DIPALMA JOSEPH.; CHEN FUNG JOU.; BEDNARZ JULIE M.

Agent(s): ARMSTRONG TEASDALE LLP

22) Family number: 30652257 (US2004111074A)

Similar Translate Full-text Status Citations

Command line: Search

Next Previous Top Search Full-text
LSTATUS Citations Drawings INS ADD TO FOLDER

Traductor de Google x Traductor de Google x Absorbent Technol x absorbent material x www.espatentes.co x Edwin Yovani

www.espatentes.com/pdf/2144622_t3.pdf



OFICINA ESPAÑOLA DE
PATENTES Y MARCAS
ESPAÑA



11 Número de publicación: **2 144 622**
51 Int. Cl. 7: D04H 1/70
B27N 3/14

12 TRADUCCION DE PATENTE EUROPEA T3

86 Número de solicitud europea: **95927368.1**
86 Fecha de presentación : **21.07.1995**
87 Número de publicación de la solicitud: **0 796 361**
87 Fecha de publicación de la solicitud: **24.09.1997**

54 Título: **Estación de conformación por tendido al aire con miembro deflector para producir materiales no tejidos.**

30 Prioridad: 08.12.1994 US 353650	73 Titular/es: THE PROCTER & GAMBLE COMPANY One Procter & Gamble Plaza Cincinnati, Ohio 45202, US
---	---

45 Fecha de la publicación de la mención BOPI: 02/11/2015

72 Inventor/es: **Noel John Richard**

ES 07:47 a.m.
02/11/2015

Espac x E Espac x EP0 21305 x E Espac x EP0 21305 x EP0 21305 x Tradu x Handl x Absor x Edwin Yovani

← → ↺ <https://books.google.com.co/books?id=wIhGBPpXi8AC&pg=PA461&dq=airlaid+absorbent+products&hl=es&sa=X&ved=0CB8Q6AEwAWoVChMI4vG4md3wyAIVRF0eCh0PuAdT#v=onepage&q=airlaid%20absorbent%20products&f=false>

Google airlaid absorbent products    [Iniciar sesión](#)

Libros      [Añadir a mi biblioteca](#) [Escribir reseña](#) [Portada](#)   

Resultado 11 de 12 de airlaid absorbent products en este libro - [Anterior](#) [Siguiente](#) - [Ver todo](#) [Borrar búsqueda](#)

COMPRAR EBOOK - 448.007 COP

Conseguir este libro impreso ▼

  
★★★★★
0 Reseñas
[Escribir reseña](#)

Absorbent Technology
editado por P.K. Chatterjee, B.S. Gupta

airlaid absorbent prod

Acerca de este libro

Mi biblioteca

Mi historial

Libros en Google Play

[Condiciones de servicio](#)


Páginas mostradas con permiso de Elsevier. [Página de créditos.](#)

**P.K. CHATTERJEE
B.S. GUPTA**

**ABSORBENT
TECHNOLOGY**

ELSEVIER

ES 07:53 a.m.
02/11/2015

<https://books.google.com.co/books?id=wIhGBPpXi8AC&pg=PA461&dq=airlaid+absorbent+products&hl=es&sa=X&ved=0CB8Q6AEwAWoVChMI4vG4md3wyAIVRF0eCh0PuAdT#v=onepage&q=airlaid%20absorbent%20products&f=false>