



New connection on: : 04-05-2018 : 06:15:01 - Last disconnection on: : 04-05-2018 : 03:25:52

V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

Welcome to EPOQUE Rebuild under the Production Environment

[No database/cluster active] ..fi epodoc

 Database: EPODOC

[EPODOC: SS 1] absorbent and zinc and aloe and (oil or lipid or petrolatum)

Results in EPODOC 3

[SS 2] absorbent+ and zinc and aloe and (oil or lipid or petrolatum)

Results in EPODOC 3

[SS 3] ..li



1/3 © EPODOC / EPO

PN - [CN107375178](#) A 20171124

PR - CN20171675873 20170809

AP - CN20171675873 20170809

DT - I

CNOI - [A61K8/27](#) ; [A61K8/4913](#) ; [A61K8/60](#) ; [A61Q17/04](#) ; [A61Q19/00](#) ; [A61Q19/02](#) ;
[A61Q19/08](#) ; [A61K8/922](#) ; [A61K8/987](#)

PA - BEIJING JUNXIU CONSULTING CO LTD

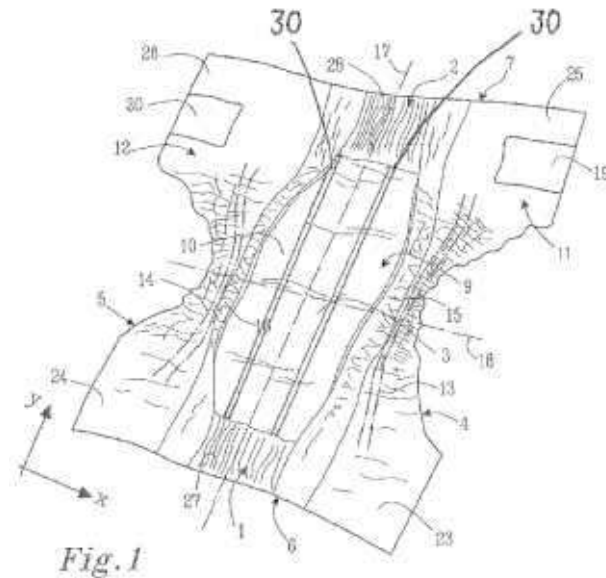
TI - Whitening and moisturizing sunscreen skin cream

AB - The invention discloses whitening and moisturizing sunscreen skin cream, which is prepared from the following components in parts by weight: 20-40 parts of glycerin, 10-20 parts of pearl powder, 2-8 parts of a **zinc** compound, 3-12 parts of p-hydroxyl formate, 3-10 parts of rose extract, 2-8 parts of **aloe** extract, 2-10 parts of camellia red pigment, 10-20 parts of lily extract, 5-10 parts of liquorice root extract, 10-20 parts of jasmine flower essential **oil**, 3-10 parts of olive **oil**, 2-8 parts of trehalose, 2-10 parts of methyl cellulose, 3-8 parts of white beeswax, 2-8 parts of dipalmitoyl hydroxyproline and 1-5 parts of a water-soluble ultraviolet **absorbent**. A preparation method of the whitening and moisturizing sunscreen skin cream is simple; the prepared skin cream has the effects of whitening, moisturizing, sun protection and ultraviolet protection and

also can improve the skin resistance and delay senility.

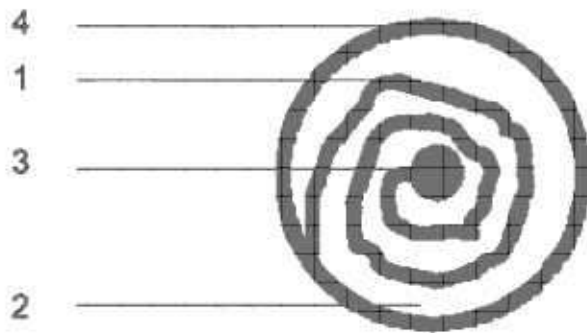
2/3 © EPODOC / EPO

- PN - [US2017100505](#) A1 20170413
- PR - WO2014SE50702 20140610
- AP - US201415317174 20140610
- DT - **
- CCI - [A61F13/51113](#) ; [A61L15/46](#)
- CUI - [A61L15/18](#) ; [A61L15/34](#) ;
[A61L15/40](#) ; [A61L15/44](#)
- CCA - [A61F2013/51117](#) ;
[A61L2300/102](#) ; [A61L2300/30](#)
- CUA - [A61L2300/404](#)
- PA - SCA HYGIENE PROD AB [SE]
- TI - **ABSORBENT** PRODUCT
COMPRISING A MICROBE-
INHIBITING COMPOSITION
- AB - An **absorbent** product such as a
diaper, pant diaper, adult
incontinence protector,
incontinence pad, sanitary
napkin or panty liner including a
liquid permeable top sheet is
disclosed. A microbe-inhibiting
composition is applied on at
least a portion of the top sheet.
The microbe-inhibiting
composition includes a **lipid**
carrier, **Aloe** Vera, and **zinc** oxide.



3/3 © EPODOC / EPO

- PN - [DE102011001282](#) A1 20120920
- PR - DE20111001282 20110315
- AP - DE20111001282 20110315
- DT - *; Rep
- CCI - [A61F13/8405](#) ; [A61F13/2051](#) ;
[A61F13/206](#) ; [A61F13/2074](#)
- PA - ALBAAD DEUTSCHLAND GMBH [DE]
- TI - Tampon i.e. digital tampon, for
use by women during menstrual
period, has functional layer
arranged between **absorbent**
layer and covering layer, where
functional layer and **absorbent**
layer are thermally sealed with



each other

AB

- The tampon has a functional layer (1) arranged between an **absorbent** layer (2) and a covering layer (4), where the functional layer has anti-bacterial properties. The functional layer is helically arranged on the **absorbent** layer and rolled together with the **absorbent** layer. The functional layer and the **absorbent** layer are thermally sealed with each other. The functional layer is made of non-woven material, and enriched with cosmetic active ingredient and **zinc** or silver ions. The cosmetic active agent is pre-dissolved in a hydrophobic medium e.g. **oil** such as almond **oil**, and wax such as beeswax. The cosmetic active agent is selected from a group consisting of **aloe** vera extract, panthenol, bisabolol, allantoin and chamomilla recutita extract.

[SS 3] A61F13\c\low

Results in EPODOC **0**

EPODOC: term 'A61F13\C\LOW' not found in index 'BI'. *WARNING(1)*

[SS 4] A61F13/c/low

Results in EPODOC **147.880**

[SS 5] * and strip+

Results in EPODOC **4.252**

[SS 6] * and zinc and aloe

Results in EPODOC **0**

[SS 7] 5 and PD<2014-06-10

Results in EPODOC 3.762

[SS 8] * and zinc

Results in EPODOC 5

[SS 9] ..li



1/5 © EPODOC / EPO

PN - [GB816012](#) A 19590708

AP - GB19560034412 19561109

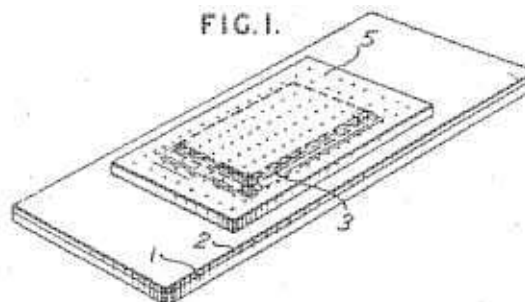
DT - *

CCI - [A61F13/0203](#)

PA - F & H SOUTHERN AGENCY LTD;
HAROLD HOLTON

TI - Improvements in or relating to
surgical dressings or the like

AB - 816,012. Adhesive surgical dressings. SOUTHERN AGENCY Ltd., F. & H. Nov. 8, 1957 [Nov. 9, 1956], No. 34412/56. Class 81 (2). [Also in Group VIII] A surgical dressing comprises an adhesive coated backing and a dressing pad covered by perforated moisture-impervious non-metallic material, the dressing pad being smaller than the backing and being secured to the adhesive coating and the cover being larger than the dressing pad and secured to the adhesive coating to leave exposed areas of adhesive by which the dressing is secured to the skin. A backing sheet 1 of synthetic plastic or woven or knitted fabric has a coating of adhesive 2, e.g. rubber latex with **zinc** oxide, to which is affixed a pad 3 of lint or gauze which is of smaller area than the sheet 1 and is impregnated with antiseptic, e.g. acriflavin or iodine. Perforated moisture impervious material 5, e.g.



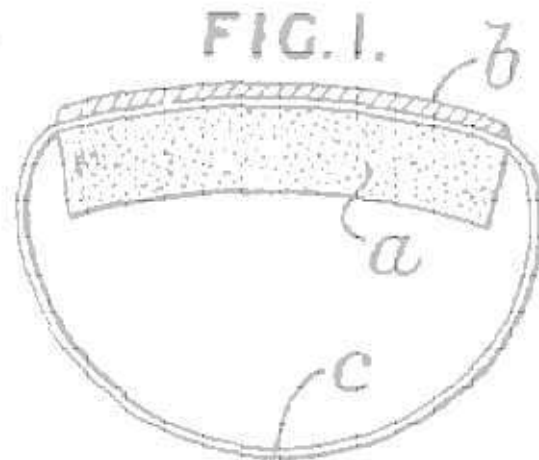
polyethylene, covers the pad 3 and is secured to the adhesive coating leaving exposed areas of adhesive 2 around it for securing the dressing to the skin. The cover material 5 is 0.0005-0.0015 inches thick and has pores which are 0.01 inches in diameter, there being about 140 pres pos.i. A removable facing **strip**, e.g. starched gauze, is provided. In a modification, the perforated material 5 covers the whole of the backing sheet 1, adhesive penetrating the pores sufficiently to hold the dressing on the skin. Specification 790,212, [Group VIII], is referred to.

2/5 © EPODOC / EPO

- PN - [GB627512](#) A 19490810
- PR - GB19460029855 19461007
- AP - GB19460029855 19461007
- DT - *
- CCI - [A61F13/00991](#)
- PA - INTERNAT CELLU COTTON PRODUCTS
- TI - Improvements in bandages for absorbing liquid body excretions
- AB - A bandage for absorbing liquid body excretions, such as a catamenial pad, incorporates a fibrous permeable element charged with a composition for mitigating odours and comprising a percentage of a quaternary ammonium compound. In one form an absorbent paper **strip** is coated with a preparation containing **zinc** peroxide, adsorptive clay, boric acid, an adhesive, a dispersing agent and the ammonium compound. After drying, it is cut to the required dimensions and incorporated in the pad, either as a single centrally placed **strip** or as a separate **strip** on each face of the pad. In an alternative form the ammonium compound is carried on a **strip** separate from the other constituents or in the cotton wrapper.

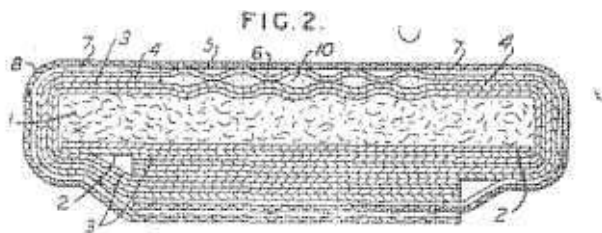
3/5 © EPODOC / EPO

PN - [GB476595](#) A 19371213
 PR - GB19360016465 19360612
 AP - GB19360016465 19360612
 DT - *
 CCI - [A61F13/063](#)
 PA - HAROLD GORDON WIBERG
 TI - Improvements in or relating to protective pads for the feet
 AB - 476,595. Toe pads. WIBERG, H. G. June 12, 1936, Nos. 16465/36 and 16148/37. [Class 81 (ii)] A toe pad comprises a pair of cushioning elements a, b, one or both of which are of resilient material, the pads being superposed and securing between them, as by an adhesive such as **zinc** oxide, an elastic loop, c, or the ends of an elastic **strip** for retaining the pad on the toe. The elements a, b, may be of sponge rubber and velvet respectively, or both of sponge rubber in which case they may be secured to an intermediate **strip** of linen or rubber or such a **strip** may be secured to each pad before being caused to adhere together. The pads may be curved longitudinally to fit the toe and the rear faces thereof may be concave.



4/5 © EPODOC / EPO

PN - [GB585888](#) A 19470227
 PR - USX585888 19430904
 AP - GB19440016421 19440829
 DT - *
 CCI - [A61F13/8405](#) ; [A61F13/53704](#)
 PA - JOHNSON & JOHNSON
 TI - Improvements in and relating to sanitary or medicinal dressings
 AB - 585,888. Catamenial appliances; dressings. JOHNSON & JOHNSON



(GREAT BRITAIN), Ltd. Aug. 29, 1944, No. 16421. Convention date, Sept. 4, 1943. [Class 81 (ii)] A dressing for medical purposes, in particular a sanitary napkin, comprises a pad 1 of cotton fibre, or sheeted or shredded cellulose, a backing consisting of plies 2 of highly moisture-repellent creped paper, a wrapping 3 of soft tenuous creped absorbent tissue, which may however be omitted if the pad is of the lacquered type, a layer 4 of highly repellent creped tissue consisting of two separate **strips** disposed to form an uncovered central zone 6, a wrapper 5 of semirepellent soft tenuous crepe tissue and deodorant material 10 located between two of the plies over the area of the central zone 6. It is retained in position by embossing or crimping the plies. A film 7 of soft cotton material is applied in the same manner as the layer 4, and the napkin is completely covered by a gauze wrapper 8. Suitable deodorants are mixtures of (i) sodium perborate, boric acid and Kaolin, (ii) **zinc** oxide, benzoic acid and talc, and (iii) **zinc** peroxide, boric acid and bentonite. Specifications 543,761 and 569,380 are referred to.

5/5 © EPODOC / EPO

PN	- DE2736381 A1 19790222
PR	- DE19772736381 19770812
AP	- DE19772736381 19770812
DT	- *; Rep
CCI	- A61F13/08
PA	- BURCHARDIALEXANDRAELISABETH
TI	- Non-elastic compression stocking - made of polyester fabric with slide fastener or lace fastening

- AB - An inelastic compression stocking is made from skin-coloured polyester fabric (Diolen, RTM) and has a 17 cm long slit which can be elaced or zipped up. The direction of the weave is straight in the leg portion but oblique in the foot portion. The stocking can be secured to the skin by **zinc oxide adhesive strip** about 20 cm in length. In an alternative form, the stocking is impregnated with **zinc oxide adhesive** and has overlapping side portions so that the leg may be enveloped. The stocking has two tucks in the upper rear edge and the zip or lace is covered by a fold.

[SS 9] 7 and (oil or lipid or petrolatum)

Results in EPODOC 27

[SS 10] ..li



1/27 © EPODOC / EPO

PN - [WO2013164714](#) A1 20131107

PR - US201213459834 20120430

AP - WO20131852745 20130405

DT - **

CT - |KR| ISR (A1)
[US2009221980](#) A1 [A];
[US7834234](#) B2 [A];
[US4507121](#) A [A];
[US8053625](#) B2 [A];
[US2009157022](#) A1 [A]

CCI - [A61F13/42](#)

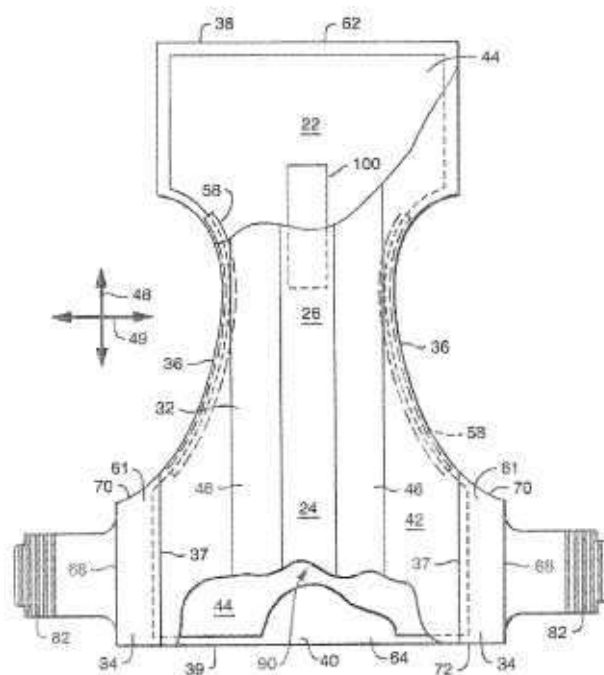
CCA - [A61F2013/422](#)

CUA - [G04F13/06](#) ; [A61F2013/423](#)

PA - KIMBERLY CLARK CO [US]

TI - DRYNESS INDICATOR FOR AN ABSORBENT ARTICLE

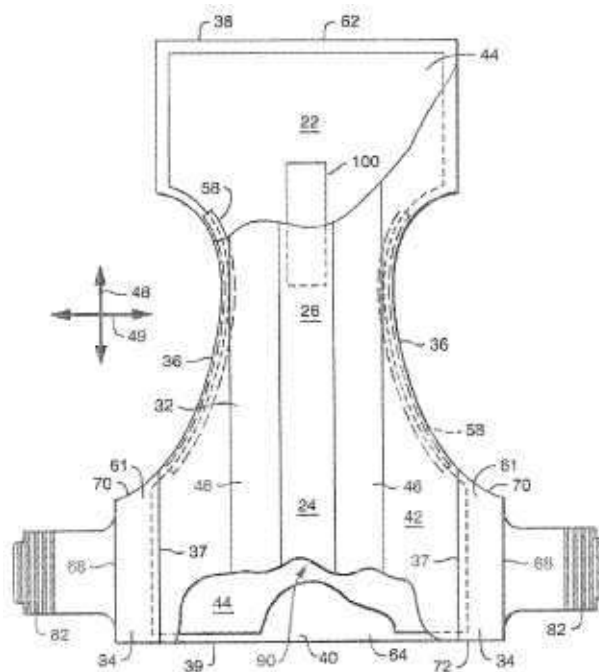
AB - A dryness indicator includes a wicking **strip** continuous between a reservoir end and an opposed open end; a liquid-impermeable top layer disposed on one side of the wicking **strip**; and a liquid-impermeable bottom layer disposed on the opposite side of the wicking **strip**, wherein the top layer is affixed to the bottom layer to at least partially enclose the wicking **strip**, and wherein the indicator is configured such



that the open end of the wicking **strip** can be placed in liquid communication with an object or surface. The dryness indicator also includes a reservoir including an **oil**-based colorant with the potential to be in liquid communication with the reservoir end of the wicking **strip**, wherein the wicking **strip** is configured such that colorant wicking from the reservoir end and an unreacted water-based fluid wicking from the open end meet to define a timing line.

2/27 © EPODOC / EPO

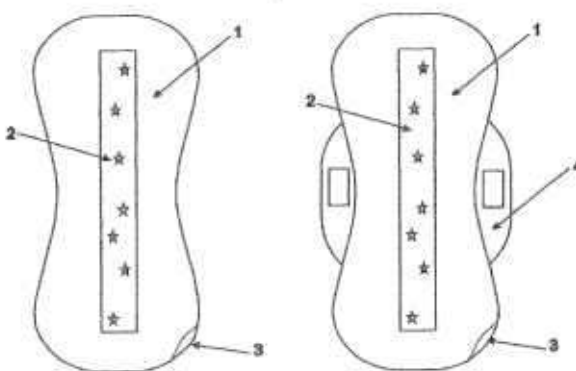
- PN - [US2013289508](#) A1 20131031
- PNFP - US9056028 B2 20150616
- PR - US201213459834 20120430
- AP - US201213459834 20120430
- DT - *; Rep
- CT - || STSE (B2)
[US2008025154](#) A1 20080131 [] (MACDONALD JOHN G [US], et al)
- || R141 (A1)
[US2008025154](#) A1 []
- CCI - [A61F13/42](#)
- CCA - [A61F2013/422](#)
- CUA - [G04F13/06](#) ; [A61F2013/423](#)
- PA - (A1)
 WEI NING [US]; ZHUANG SHIMING [US]; SONG XUEDONG [US]; STRUK KIMBERLY NICOLE [US]
- (B2)
 WEI NING [US]; ZHUANG SHIMING [US]; SONG XUEDONG [US]; STRUK KIMBERLY NICOLE [US]; KIMBERLY CLARK CO [US]
- TI - (A1 B2)
 Dryness Indicator For An Absorbent Article
- AB - (A1 B2)
 A dryness indicator includes a



wicking **strip** continuous between a reservoir end and an opposed open end; a liquid-impermeable top layer disposed on one side of the wicking **strip**; and a liquid-impermeable bottom layer disposed on the opposite side of the wicking **strip**, wherein the top layer is affixed to the bottom layer to at least partially enclose the wicking **strip**, and wherein the indicator is configured such that the open end of the wicking **strip** can be placed in liquid communication with an object or surface. The dryness indicator also includes a reservoir including an **oil**-based colorant with the potential to be in liquid communication with the reservoir end of the wicking **strip**, wherein the wicking **strip** is configured such that colorant wicking from the reservoir end and an unreacted water-based fluid wicking from the open end meet to define a timing line.

3/27 © EPODOC / EPO
 PN - [WO2011156879](#) A1 20111222
 PR - BR1990MU00890U 20100614
 AP - WO2011BR00184 20110614
 DT - *; Rep
 CT - |BR| ISR (A1)
[JP2002035037](#) A 20020205
 [X] (UNITIKA LTD);
[EP1891983](#) A1 20080227
 [Y] (FLORES GONZALES ESTELA CONCEPC [MX]);
[EP1035163](#) A2 20000913
 [Y] (HUMATRO CORP [US]);
[WO2009115672](#) A1 20090924
 [Y] (BOSTIK SA [FR], et al);
[US2002156048](#) A1 20021024
 [Y] (HUPPE SERGE [CA], et al);
[BRMU8900836U](#) U2 20110111

Figura 2



[XP] (AMARAL FATIMA APARECIDA DO [BR])

CCI - [A61F13/15252](#) ; [A61F13/472](#) ;
[A61L15/20](#) ; [A61L15/62](#)

PA - FATIMA APARECIDA DO AMARAL [BR]

TI - DISPOSABLE, BIODEGRADABLE (ENVIRONMENTALLY FRIENDLY) FEMININE ABSORBENT ARTICLE

AB - The present invention relates to a feminine absorbent article produced using biodegradable organic raw materials that on average take 45 days to degrade. The feminine absorbent article is constituted by an inside part (1, Figure 1) of non-woven fabric produced from organic raw material (starch), an outside part made from biodegradable plastic film (1, Figure 2) produced with organic raw material (starch), dye, stamped **strip** (2, Figure 2) and hot-melt adhesive produced from organic raw material (castor **oil**), absorbent polymers (3) based on cornstarch, and wings (4).

4/27 © EPODOC / EPO

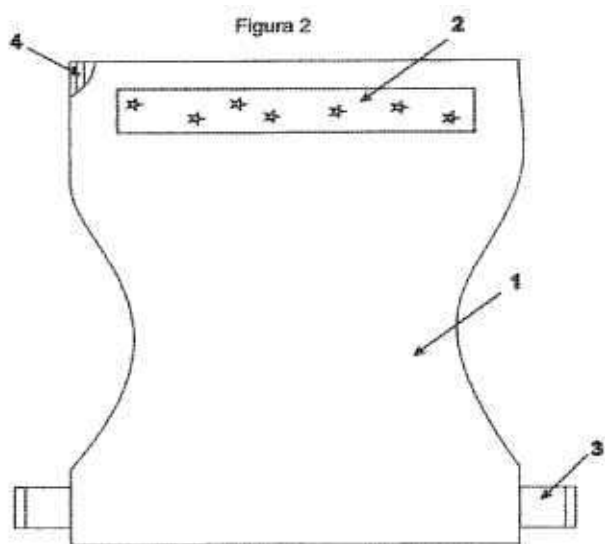
PN - [WO2011156878](#) A1 20111222

PR - WO2011BR00183 20110614

AP - WO2011BR00183 20110614

DT - *; Rep

CT - |BR| ISR (A1)
[JP2002035037](#) A 20020205
[X] (UNITIKA LTD);
[EP1035163](#) A2 20000913
[Y] (HUMATRO CORP [US]);
[US2002156048](#) A1 20021024
[Y] (HUPPE SERGE [CA], et al);
[WO03016356](#) A1 20030227
[Y] (RAYONIER INC [US]);
[WO02053640](#) A1 20020711
[Y] (KIMBERLY CLARK CO [US]);
[WO2009115672](#) A1 20090924
[Y] (BOSTIK SA [FR], et al);



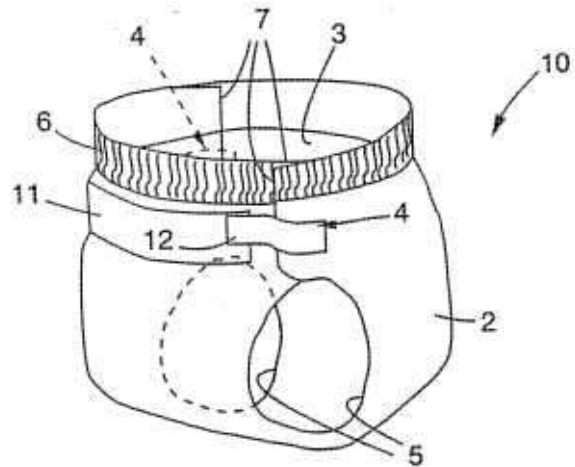
[BRMU8900843U](#) U2 20110111

[XP] (AMARAL FATIMA

APARECIDA DO [BR])

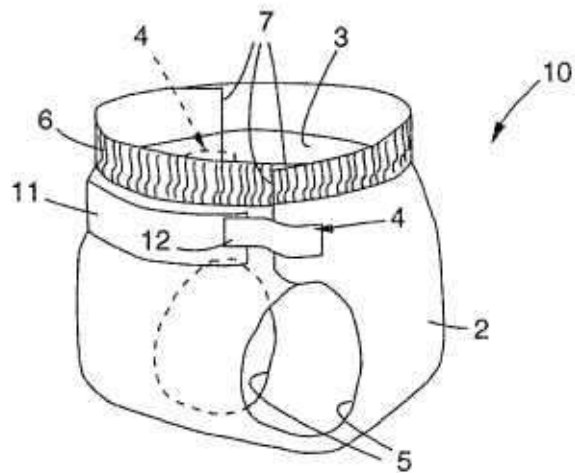
- CCI - [A61F13/15252](#) ; [A61L15/20](#) ;
[A61L15/62](#) ; [C08L3/02](#) ;
[C09J191/00](#)
- CCA - [A61F2013/8497](#)
- PA - APARECIDA DO AMARAL FATIMA
[BR]
- TI - DISPOSABLE, BIODEGRADABLE
(ENVIRONMENTALLY FRIENDLY)
DIAPER
- AB - The present invention relates to
a disposable, biodegradable
diaper constituted by an outside
part (1 - Figure 1) made from
biodegradable plastic film
produced with organic raw
material (starch), an inside part
(1 - Figure 2) of non-woven film
produced from organic raw
material (starch), a front
adhesive **strip** (2) that has a
plastic film, adhesive and
printing based on castor **oil**
(organic raw material),
side **strips** (3) made from starch-
based film and castor-**oil**-based
adhesive and adhesive bonding
(4) of the parts using hot-melt
adhesive made from organic raw
material (castor **oil**). This is a
totally biodegradable diaper
that degrades within a maximum
of 120 to 150 days.

PN - [ZA9306070](#) B 19950220
PR - BR19929207147
19920924; CA19922221172
19920924; CA19922125481
19920924; CS19920058495
19920924; EP19920921924
19920924; WO1992US08162
19920924; US19960769064
19961218; US19940244064
19940516
AP - ZA19930006070 19930818
DT - I
CCI - [A61F13/5633](#) ; [A61F13/58](#) ;
[A61L15/42](#) ; [A61L15/58](#) ;
[A61L15/585](#) ; [C09J153/02](#)
CLC - [A61L15/58](#) , [C08L25/10](#) , INV
- [A61L15/585](#) , [C08L53/02](#) , INV
CCA - [C08L2666/02](#)
PA - MINNESOTA MINING & MFG
TI - **Oil-tolerant reinforcement strip**



6/27 © EPODOC / EPO

PN - [US5885269](#) A 19990323
PR - US19960769064
19961218; BR19929207147
19920924; CA19750221172
19750228; CA19922125481
19920924; CS19920058495
19920924; EP19920921924
19920924; US19940244064
19940516; WO1992US08162
19920924
AP - US19960769064 19961218
DT - *; Rep
CT - || STSE (A)
[US3991002](#) A 19761109 [
] (SADLO JAMES L);
[US4100238](#) A 19780711 [
] (SHINOMURA TOSHIHIKO);
[US4163077](#) A 19790731 [
] (ANTONSEN STEPHEN A [CA], et
al);
[US4237889](#) A 19801209 [
] (GOBRAN RAMSIS [US]);
[US4247498](#) A 19810127 [
] (CASTRO ANTHONY J);



[US4539256](#) A 19850903 [
] (SHIPMAN GENE H [US]);
[US4609584](#) A 19860902 [
] (CUTLER LARRY P [US], et al);
[US4726989](#) A 19880223 [
] (MROZINSKI JAMES S [US]);
[US4824719](#) A 19890425 [
] (CREYF HUBERT S G [BE], et al);
[US4902553](#) A 19900220 [
] (HWANG KIRK K [US], et al);
[US5004630](#) A 19910402 [
] (POLSKI STEPHEN P [US]);
[US5019071](#) A 19910528 [
] (BANY STEPHEN W [US], et al);
[US5106384](#) A 19920421 [
] (POLSKI STEPHEN P [US]);
[US5112889](#) A 19920512 [
] (MILLER JOHN A [US], et al);
[US5264281](#) A 19931123 [
] (ARAKAWA MASAACKI [JP], et al);
[US5308695](#) A 19940503 [
] (ARAKAWA MASAACKI [JP], et al);
[US5360855](#) A 19941101 [
] (GOBRAN RAMSIS [US]);
[US5562983](#) A 19961008 [
] (KONO YASUHIRO [JP], et al);
[AU2307992](#) A 19930316 [];
[EP0291984](#) A1 19881123 [
] (KIMBERLY CLARK CO [US]);
[EP0306232](#) A2 19890308 [
] (MINNESOTA MINING & MFG
 [US]);
[EP0316601](#) A2 19890524 [
] (MINNESOTA MINING & MFG
 [US]);
[JPS54145740](#) A 19791114 [
] (MINNESOTA MINING & MFG);
[JPS58149303](#) A 19830905 [
] (KAO CORP);
[JPS57165978](#) A 19821013 [
] (SANYO ELECTRIC CO);
[JPS59228008](#) A 19841221 [
] (UNI CHARM CORP);
[JPS62282003](#) A 19871207 [
] (TOKUYAMA SODA KK);
[JPS63161035](#) A 19880704 [
] (MINNESOTA MINING & MFG);
[JPS63309605](#) A 19881216 [
] (DAINIPPON PRINTING CO LTD);

[JPH01162804](#) A 19890627 [] (MINNESOTA MINING & MFG);
[WO9208763](#) A1 19920529 [] (MINNESOTA MINING & MFG [US]);
[WO9323488](#) A1 19931125 [] (MINNESOTA MINING & MFG [US]);
[WO9406387](#) A1 19940331 [] (MINNESOTA MINING & MFG [US], et al)

CTNP - || STSE (A)
 [] - The English translation document of JP59 228008Dec. 1984.

CCI - [A61F13/5633](#) ; [A61F13/58](#) ; [C09J153/02](#)

CCA - [C08L2666/02](#) ; [Y10T428/24008](#) ; [Y10T428/2883](#) ; [Y10T442/674](#) ; [Y10T442/20](#) ; [Y10T428/249978](#)

PA - MINNESOTA MINING & MFG [US]

TI - **Oil**-tolerant reinforcement **strip**

AB - A diaper construction is provided with an external porous reinforcement **strip** at the front part of the outside of the diaper, which **strip** provides reinforcement against an adhesive fastening tab and provides an **oil**-contamination tolerant adhesion surface.

7/27 © EPODOC / EPO

PN - [US4136699](#) A 19790130

PR - US19750590936 19750627

AP - US19770760831 19770121

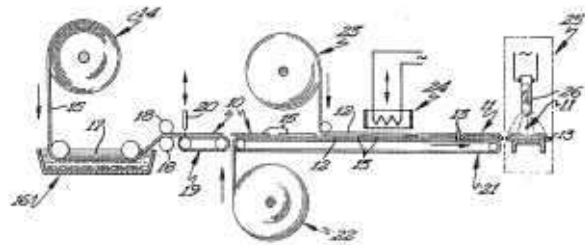
DT - *; Rep

CT - || STSE (A)
[US3595237](#) A 19710727 [] (SARGENT DAVID O, et al);
[US3672371](#) A 19720627 [] (ROEDER ROBERT J);
[US3686107](#) A 19720822 [] (RUSSELL THOMAS E);
[US3862068](#) A 19750121 [] (RUSSELL THOMAS E);
[US3897783](#) A 19750805 [] (GINOCCHIO JAMES A);
[US3932327](#) A 19760113 [] (NAYLOR FLOYD E);
[US3935338](#) A 19760127 [] (ROBERTSON WILLIAM J);
[US3954692](#) A 19760504 [] (DOWNEY RAYMOND E);

- [US3956223](#) A 19760511 [] (CHIANG JOSEPH SHING, et al);
[US4028292](#) A 19770607 [] (KORPMAN RALF)
- CCI - [A61F13/5611](#) ; [A61L15/585](#) ; [C09J153/025](#)
 CLC - [A61L15/585](#) , [C08L53/00](#) , INV
 CCA - [A61F13/58](#) ; [Y10T428/1452](#) ; [Y10T428/2883](#)
 PA - FULLER H B CO
 TI - Absorbent article with adhesive **strip**
 AB - The disclosed article (e.g. a sanitary napkin) typically comprises (1) an elongated absorbent pad, (2) an outer covering layer in adherent contact with at least one surface of the pad, (3) an adhesive **strip** or layer on the exposed surface of the outer layer, and (4) a release liner for protecting the adhesive layer. The adhesive layer is useful for removably attaching the article to the inside of an undergarment or the like. Production of the article can be greatly simplified by using a hot-melt pressure sensitive adhesive (PSA) as the adhesive layer. However, the rubbery base for the hot-melt PSA should be very carefully selected. Two types of rubbery polymers provide good results, i.e. (a) an A-B-A block copolymer having polystyrene end blocks and a rubbery poly(ethylene-butylene) midblock and (b) a radial teleblock copolymer with branches having polystyrene terminal blocks and a butadiene segment in the center. One or both of these rubbery polymers is used to formulate the hot-melt PSA along with a suitable tackifier and a process **oil**.

8/27 © EPODOC / EPO

- PN - [US4357935](#) A 19821109
 PR - US19800206281 19801112
 AP - US19800206281 19801112
 DT - *; Rep
 CT - || STSE (A)
[CA1561891](#) A 00000000 []
[US3339546](#) A 19670905 [] (LING CHENJAMES)
[US3696811](#) A 19721010 [] (CHEN JAMES LING)
[US3803300](#) A 19740409 [] (POSPISCHIL H)
[US4036227](#) A 19770719 [] (ZAFFARONI ALEJANDRO, et al)
[US4039653](#) A 19770802 [] (DEFONEY GEORGE F, et al)
[US4292299](#) A 19810929 [] (SUZUKI YOSHIKI, et al)
- CCI - [A61F13/00987](#) ; [A61F13/00991](#) ;
[A61L2/08](#) ; [A61L15/46](#)
 CCA - [A61L2300/216](#) ; [A61L2300/402](#)
 PA - C R CANFIELD & COMPANY INC
 TI - Dry method of making a dry



socket dressing

AB - A dressing for use in treating dry socket syndrome resulting from tooth extraction includes a gauze **strip** impregnated with a gelatinous material containing **petrolatum**, emulsifiers and an analgesic substance such as eugenol. In the process of making and packaging the dry socket dressing, a **strip** of gauze is unrolled from a roll and passed through a bath containing a gelatinous material at a rate to permit a six-inch length of gauze to incorporate approximately two grams of gelatinous material. The impregnated **strip** is then cut into predetermined lengths and thereafter packaged in a transparent, sealed envelope. The package containing the dry socket dressing is then treated with gamma radiation to sterilize the dressing and interior of the envelope.

9/27 © EPODOC / EPO

PN - [US6191055](#) B1 20010220

PR - US19980181531 19981028; US19960769064 19961218

AP - US19980181531 19981028

DT - *; Rep

CCI - [A61F13/5633](#) ; [A61F13/58](#) ; [C09J153/02](#)

CCA - [C08L2666/02](#) ; [C08L2666/04](#) ; [Y10T428/24008](#) ; [Y10T428/2878](#) ; [Y10T428/249953](#) ; [Y10T442/2172](#) ; [Y10T428/249978](#)

PA - 3M INNOVATIVE PROPERTIES CO [US]

TI - **Oil**-tolerant reinforcement **strip**

AB - A diaper construction is provided with an external porous reinforcement **strip** at the front part of the outside of the diaper, which **strip** provides reinforcement against an adhesive fastening tab and provides an **oil** contamination tolerant adhesion surface.

10/27 © EPODOC / EPO

PN - [WO9406387](#) A1 19940331

PR - WO1992US08162 19920924; BR19929207147 19920924; CA19922221172

19920924; CA19922125481 19920924; CS19920058495 19920924; EP19920921924
19920924; US19960769064 19961218; US19940244064 19940516

AP - WO1992US08162 19920924

DT - *; Rep

CT - |EP| ISR (A1)
[EP0375862](#) A2 19900704 [A] (NITTO DENKO CORP [JP]);
[EP0306232](#) A2 19890308 [A] (MINNESOTA MINING & MFG [US]);
[EP0291984](#) A1 19881123 [A] (KIMBERLY CLARK CO [US]);
[US4902553](#) A 19900220 [A] (HWANG KIRK K [US], et al);
[US4539256](#) A 19850903 [A] (SHIPMAN GENE H [US])

CCI - [A61F13/5633](#) ; [A61F13/58](#) ; [A61L15/42](#) ; [A61L15/58](#) ; [A61L15/585](#) ; [C09J153/02](#)

CLC - [A61L15/58](#) , [C08L25/10](#) , INV
- [A61L15/585](#) , [C08L53/02](#) , INV

CCA - [C08L2666/02](#)

PA - MINNESOTA MINING & MFG [US]; BOYER CHARLES E III [US]; KINNEY ROBERT J [US];
GOBRAN RAMSIS [US]; VELASQUEZ UREY RUBEN E [US]; MIDGLEY ROLAND R [US]

TI - **OIL-TOLERANT REINFORCEMENT STRIP**

AB - A diaper construction (10) is provided with an external porous reinforcement **strip** (11) at the front part of the outside of the diaper (10), which **strip** (11) provides reinforcement against an adhesive fastening tab (4) and provides an **oil**-contamination tolerant adhesion surface.

11/27 © EPODOC / EPO

PN - [WO2005082618](#) A1 20050909

PR - KR20040013829 20040228

AP - WO2004KR00810 20040407

DT - *; Rep

CT - |KR| ISR (A1)
[KR20020085021](#) A 20021116 [X] (HAN JIN PRINTING & CHEMICAL CO [KR]);
[KR20010011672](#) A 20010215 [X] (HAN JIN PRINTING & CHEMICAL CO [KR]);
[JPH03130478](#) A 19910604 [X] (DAIWABO CREATE KK);
[EP0395381](#) A2 19901031 [X] (TOSOH CORP [JP]);
[EP0955159](#) A1 19991110 [A] (PROCTER & GAMBLE [US]);
[WO9851475](#) A1 19981119 [A] (PROCTER & GAMBLE [US])

CCI - [B29C47/0021](#)

CUI - [A61F13/513](#) ; [A61F13/15](#) ; [B29C47/00](#) ; [B32B27/32](#) ; [B29C55/18](#)

PA - HANJIN PRINTING & CHEMICAL CO [KR]; SHIM JAE HUN [KR]; LEE SOO YOUNG [KR]; LYU SEOK BONG [KR]

TI - COMPOSIT OF ABSORBING SHEET WITH VISIBLE HOLED FILM

AB - Disclosed is a composite of absorbing sheet with visible holed film, which includes free holes, and in which absorbing sheets, such as non-woven fabrics, are attached to one or both sides of the holed film. The composite is produced at low costs by a simple additional perforating process instead of a complicated and delicate perforating process. The absorbing sheet is simply laminated to an inner side of a cover stock of an

absorbing layer, and the absorbing sheet is laminated to the holed film while the holed film is shaped. Also, the composite is produced using a polymer solution, or using a polymer mixed with at least one of a foaming agent, water, **oil**, an inorganic material, a uncommercial polymer, and an organic additive. The holed film is of a discontinuous linear shape, **strip** shape, point shape, or curvilinear shape. The composite is drawn to increase a hole area thereof.

12/27 © EPODOC / EPO

- PN - [IL106812](#) A 19970415
- PR - BR19929207147 19920924; CA19922221172 19920924; CA19922125481 19920924; CS19920058495 19920924; EP19920921924 19920924; WO1992US08162 19920924; US19960769064 19961218; US19940244064 19940516
- AP - IL19930106812 19930826
- DT - I
- CCI - [A61F13/5633](#) ; [A61F13/58](#) ; [A61L15/42](#) ; [A61L15/58](#) ; [A61L15/585](#) ; [C09J153/02](#)
- CLC - [A61L15/58](#) , [C08L25/10](#) , INV
- [A61L15/585](#) , [C08L53/02](#) , INV
- CCA - [C08L2666/02](#)
- PA - MINNESOTA MINING & MFG [US]
- TI - **OIL-TOLERANT REINFORCEMENT STRIP**
- AB - A disposable garment (10) which is provided with a thin liquid-impermeable sheet material and an **oil**-contamination tolerant closure system, said closure system comprising a pressure-sensitive adhesive fastening tab (4), and a reinforcement layer (11) to which free end (12) of the fastening tab adheres to effect closure of the disposable garment, said fastening tab permanently attached, at a second end opposite the free end, to a first edge region of the garment, said reinforcement layer is attached to the outer face of said thin liquid-impermeable sheet material adjacent a second edge region of the garment, said reinforcement layer comprising an **oil**-absorbing porous sheet material, wherein when said fastening tab free end is adhered to said reinforcement layer, the two separate edge regions overlap to effect closure of the garment.

13/27 © EPODOC / EPO

- PN - [GB1277216](#) A 19720607
- PR - JP19680065328U 19680731; JP19690057313U 19690619
- AP - GB19690036878 19690722
- DT - **
- CCI - [A61F13/53743](#) ; [A61F13/53704](#) ; [A61F13/53713](#) ; [A61F13/53717](#)
- CCA - [A61F13/534](#) ; [A61F2013/51409](#) ; [A61F2013/53445](#)
- PA - YAMANOUCHI PHARMA CO LTD [JP]
- TI - SANITARY NAPKIN
- AB - 1277216 Sanitary napkins YAMANOUCHI PHARMACEUTICAL CO Ltd 22 July 1969 [31 July 1968 19 June 1969] 36878/69 Heading A5R A sanitary napkin comprises three superimposed layers of absorbent material 8, 8a, 8b, a barrier sheet 9 of liquid-

repellant material between the upper two layers 8, 8a, two side-by-side spaced-apart liquid-repellant barrier sheets 9a, 9b partly overlapped by sheet 9a and located between the lower two layers 8a, 8b, a water-proof **strip** 10 under the absorbent layers, and an outer envelope 11 of fibrous material. In a second embodiment, Figs. 3, 4 (not shown), the order of the layers 8, 8a, 8b and sheets 9, 9a, 9b illustrated in Figure 1 is inverted relative to the **strip** 10. The barrier sheets comprise films of synthetic resins such as polyethylene or polypropylene, or tissue papers laminated with wax emulsions, aluminium acetate, polymerised silicone resins, organo-silicone polymers, long chain pyridinium compounds, wax zirconium acetate emulsions or **oil**.

14/27 © EPODOC / EPO

PN - [GB1153621](#) A 19690529
 PR - GB19660018045 19660425
 AP - GB19660018045 19660425
 DT - *; Rep
 CCI - [A61F13/023](#) ; [A61F13/0283](#) ; [A61L15/34](#) ; [A61L15/58](#) ; [A61F13/0253](#)
 CLC - [A61L15/58](#) , [C08L1/18](#) , INV
 PA - JEROME EDWARD JERRY HORNE [US]
 TI - Adherent Protective Covering for Blisters, Wounds and the like
 AB - 1,153,621. Surgical dressings. J. E. (JERRY) HORNE. 25 April, 1966, No. 18045/66. Heading A5R. [Also in Division B2] A process for making an adherent covering for the skin comprises continuously coating a continuous **strip** of fibrous textile fabric of open weave with an adhesive solution consisting of cellulose nitrate and a plasticizer therefor dissolved in a solvent, continuously drying off the solvent, the amount of solution applied to the fabric being such as to coat the fibres thereof but such that the coated fabric is rendered porous if a second solvent is subsequently applied thereto, the adhesive solution comprising in parts by weight, 13.2% cellulose nitrate, 6.3% castor **oil** as the plasticizer, and a solvent of toluene (38%), methyl ethyl ketone (27.5%), and butyl alcohol (15%). The fabric may comprise a fine mesh or gauze of cotton, silk, rayon, or nylon, and the coated fabric may be placed over a wound and caused to adhere to the skin by saturating the fabric in situ with a solvent (which is exemplified) similar to that used for the coating and which renders the fabric porous. The coated fabric may be produced in an apparatus (Figure 1, not shown) which includes a bath of adhesive solution (14), a warm air flow from a heater (21), and cutter which stamps the fabric into an oval (Figure 4, not shown), rectangular, triangular, or **strip** form. It is stated that **strips** of the coated fabric may be used over a wound as sutures.

15/27 © EPODOC / EPO

PN - [GB334230](#) A 19300827
 PR - GB19290016265 19290527
 AP - GB19290016265 19290527
 DT - *
 CCI - [A61F13/04](#)
 PA - CLIFTON BRIGGS LEECH
 TI - Improvements in and relating to casts for use in surgery and in methods of making same

AB - 334,230. Leech, C. B. May 27, 1929. [A Specification was laid open to inspection under Sect. 91 of the Acts, March 28, 1930]. Splints. - A surgeon's plaster cast comprises an initial layer of soft material one or more flexible imperforate track-forming members made of fibrous material such as paper and an outer enclosing plaster mass, the track-forming member serving as a track for the pilot of a cast cutter such as described in Specifications 334,527 and 334,544 when it is desired to remove the cast. A layer of wadding 1 is applied to the forearm L, followed by a paper track-forming **strip** 2. A second member 3, co-extensive in area with the members 2 but of more open texture is also preferably applied, the two members being adhesively secured together along one edge. The usual plaster bandages 5 are then wound on. The paper employed is preferably impregnated with **oil** and paraffin to make it smooth and waterproof. The track-forming member may embrace the entire circumference of the cast and in the latter case it may be applied as a spiral winding. The trackforming **strip** may be coated with adhesive. The longitudinal edges of the members may be transversely fluted or corrugated, or may be provided with transverse slits, to facilitate fitting upon irregular shapes. According to a further modification (Fig. 7) one of the track-forming members may be provided with a longitudinally extending pocket 8, containing a removable filler such as a **strip** of felt 9, which on removal leaves a duct for the guide-foot of a cast cutter. The trackforming members may themselves be made in this narrow pocket form for use round ankles and like joints.

16/27 © EPODOC / EPO

PN - [GB1010598](#) A 19651124

PR - US19610094598 19610309

AP - GB19620008750 19620307

DT - **

CCI - [A61F13/51](#) ; [A61L15/34](#) ; [A61L15/50](#) ; [D04B21/00](#)

CCA - [A61F13/534](#) ; [A61F13/537](#) ; [A61F2013/51042](#) ; [A61F2013/51061](#) ; [A61F2013/53445](#) ; [A61F2013/53721](#)

PA - CELANESE CORP

TI - Improvements in textile fabrics

AB - 1,010,598. Knitting; treating textiles. CELANESE CORPORATION OF AMERICA. March 7, 1962 [March 9, 1961], No. 8750/62. Headings D1K and D1P [Also in Division A5] A cover for a sanitary towel or wound dressing weighs less than one ounce per square yard and is warp knitted from multifilament yarns of less than 150 denier impregnated with a mineral **oil**-based conditioning agent to provide the fabric with a capillarity factor of from 6 to 9 and preferable 7 to 8. The capillarity factor is the number of centimetres that water will in 48 hours travel up a **strip** of fabric 3. 2 to 3. 8 cms wide with its lower end immersed in water. The fabric may be knitted on its lower end immersed in water. The fabric may be knitted on a two bar warp knitting machine, the yarns from one bar being knitted into chains while those of the other bar span several needles. The stitch pattern may be such as to form wales along which the fabric is readily splittable whereas other areas are non-splittable either because they are knitted in a different stitch or because they are bonded. The fabric may comprise yarn of 10 to 100 denier and yarn of 10 to 75 denier e.g. of cellulose acetate. The filament deniers are preferably less than 5 and the twist less than 10 and preferably less than 1 turn per inch. One bar of the warp knitting machine may be threaded 1 in 2 out and the stitch pattern may be 1-

0, 0-1. The warps of the second bar may have a stitch pattern of (1-0, 3-4 x times), 1-0, 6-7 where x is an integer preferably 1. Other suitable patterns are 1-0, 6-7, 3-4, 6-7; or 1-0, 6-7, 3-4, 6-7, 1-0, 3-4. The second set of yarns may follow a 1-0, 3-4 pattern for about 18 inches and then for about an inch a stronger fabric is formed e.g. as shown in Fig. 1 or by forming stitch patterns 1-0, 3-4, 1-0 respectively on the two bars. Some of the warp threads, preferably some of the chains may be differently coloured to indicate the back of the towel. Alternatively, every 18 inches along the fabric an inch **strip** may be bonded either solidly or in a pattern of **strips**, circles or the like. Otherwise all the fabric may be bonded. Bonding of cellulose acetate may be effected by an adhesive, e.g. polyvinyl acetate latex, plasticizers e.g. glycerol triacetate, triethyl citrate dimethoxyethyl phthalate and methyl ethoxyethyl phthalate or aqueous acetone diluted solvent or heat. The conditioning agent may comprise a mineral **oil**, a partial ester of phosphoric acid with a long chain aliphatic alcohol and an alkylamino ester of a long chain aliphatic acid and an acetate of a polyvalent metal, e.g. aluminium acetate, and preferably includes a water-repellent wax, an emulsifying agent, an alkyl phenol and a lower alkanol. The conditioning agent may be applied by rollers to the yarn.

17/27 © EPODOC / EPO

PN - [GB397058](#) A 19330817

PR - DEX397058 19320324

AP - GB19330008701 19330322

DT - *

CCI - [A61F13/64](#)

PA - HANDELSHAUS VOSS GES MIT BESCH

TI - Improvements in or relating to catamenial bandages

AB - 397,058. Catamenial appliances. HANDELSHAUS VOSS GES., 27, Finowstrasse, Neuk Iln, Berlin.-(Assignees of Voss, W.; 27, Finowstrasse, Neuk Iln, Berlin.) March 22, 1933, No. 8701. Convention date, March 24, 1932. [Class 81 (ii).] A catamenial appliance comprises an absorbent pad 2 which is secured on the rubber or other elastic supporting band 1 of oval or flattened cross section by means of a portion 3 of material forming part of the pad 2. This portion 3 is laid over the band 1 and the free end secured to the pad by press-buttons 4. Rivets or stitching 5 may be provided at the points where the band leaves the pad, to prevent slipping. A longitudinal seam 5<1> may also be provided. The press-button 4 may be replaced by ordinary buttons, or hooks and eyes. The two extreme press-buttons may also be replaced by stitches. The portion of the band 1 projecting beyond the pad may be provided with a coating 1<1> of fabric or powder to prevent direct contact of the band with the body. The **strip** 3 may also be attached to the pad 2 by an applied adhesive or an adhesive material known under the registered Trade Mark "Leucoplast," or may be wholly or partially composed of such material. The band 1 is attached to a girdle 11 by means of loops 9, 10 having plugs 6, 7 adapted to fit into the ends of the supporting band 1. The plugs may be made of a plastic casein product known under the registered Trade Mark "Galalith" and may be suitably serrated. The plugs may also be of the expanding type as shown in Fig. 3, comprising members 16, 17 pivotally connected by pin 15. After insertion, the curved ends of the member are expanded and retained in position by the ring 18 sliding over the contacting straight ends of the members 16, 17. The absorbent pad may be impregnated with deodorizing or disinfecting agents, such as salicylic acid, wood

vinegar, potassium permanganate, or pine needle **oil**. The supporting band can also be arranged nearer the centre of the absorbent pad.

18/27 © EPODOC / EPO

- PN - [FR2402594](#) A1 19790406
- PR - FR19770027433 19770912
- AP - FR19770027433 19770912
- DT - *; Rep
- CT - || STSE (A1)
[FR2106277](#) A5 19720428 [] (MERCER FB LTD);
[FR2024250](#) A1 19700828 [] (GLANZSTOFF AG);
[FR2293913](#) A1 19760709 [] (PERSONAL PRODUCTS CO [US])
- CCI - [A61F13/00](#) ; [A61F13/00072](#) ; [C02F1/681](#) ; [A01G20/00](#)
- PA - RISLE PAPETERIES PONT AUDEMER [FR]
- TI - Packing absorbent sheets of powdered material between covers - laminated to a layer of plastic netting, to prevent shifting or agglomeration of the absorbent during manipulation of the **strip**
- AB - Powdered materials are packed into **strips** between two sheet materials which enclose a layer of netting so that portions of the loose material are confined in the interstices of the mesh, to prevent shifting or agglomeration of the loose material. Esp. claimed for containing particles of absorbant material for mopping up spills, e.g. contamination, e. g. **oil** floating on water, where at least one of the two covers is permeable to the relevant fluid, i.e. is of non-woven fabric, wool or water-resistant paper. The netting is pref. of nylon, polyester or polypropylene, and lamination of the net and the covers may be made using heat or adhesives, depending upon the heat resistance of the layers and/or the loose material. Opt. the absorbent is biodegradable, specifically graft copolymers of starch and e.g. acrylonitrile.

19/27 © EPODOC / EPO

- PN - [EP0919214](#) A1 19990602
- PNFP - EP0919214 B1 20030507
- PR - BR19929207147 19920924; CA19922125481 19920924; CA19922221172 19920924; CS19920058495 19920924; EP19920921924 19920924; US19960769064 19961218; US19940244064 19940516; WO1992US08162 19920924
- AP - EP19990100305 19920924
- DT - *; Rep
- CT - || STSE (A1)
[US5019071](#) A 19910528 [X] (BANY STEPHEN W [US], et al)
[X] 1,3,5-9
* example -; claims 2,10-15 *;
[WO9208763](#) A1 19920529 [A] (MINNESOTA MINING & MFG [US])
[A] 1,3-5,9
* page 4, line 25 - page 5, line 12 *
* page 7, lines 12-21 *
* page 7, line 34 - page 8, line 22 *;

[US5106383](#) A 19920421 [A] (MULDER ROBERT S [US], et al)
 [A] 1
 * column 5, lines 27-40 - column 6, lines 21-35 *;
[EP0375862](#) A2 19900704 [A] (NITTO DENKO CORP [JP])
 [A] 1
 * figures 1-7; claims 1-11 *;
[EP0306232](#) A2 19890308 [A] (MINNESOTA MINING & MFG [US])
 [A] 1
 * claims 1-10 *;
[EP0291984](#) A1 19881123 [A] (KIMBERLY CLARK CO [US])
 [A] 1
 * figures 1-3; claims 1-12 *;
[US4902553](#) A 19900220 [AD] (HWANG KIRK K [US], et al)
 [AD] 1
 * column 1, lines 9-16; figures 3,4; claims 1,4-10,12,14-17 *;
[US4539256](#) A 19850903 [AD] (SHIPMAN GENE H [US])
 [AD] 1
 * column 2, line 21 - column 4, line 4 *
 CCI - [A61F13/5633](#) ; [A61F13/58](#) ; [A61L15/585](#) ; [C09J153/02](#)
 CLC - [A61L15/585](#) , [C08L53/02](#) , INV
 CCA - [C08L2666/02](#)
 PA - (A1 B1)
 MINNESOTA MINING & MFG [US]
 TI - (A1 B1)
Oil-tolerant reinforcement strip
 AB - (A1)
 A diaper construction (10) is provided with an external porous reinforcement **strip** (11) at the front part of the outside of the diaper (10), which **strip** (11) provides reinforcement against an adhesive fastening tab (4) and provides an **oil**-contamination tolerant adhesion surface. <IMAGE>

20/27 © EPODOC / EPO

PN - [EP0661959](#) A1 19950712
 PNFP - EP0661959 B1 19990721
 PR - EP19920921924 19920924; BR19929207147 19920924; CA19922221172 19920924; CA19922125481 19920924; CS19920058495 19920924; WO1992US08162 19920924; US19960769064 19961218; US19940244064 19940516
 AP - EP19920921924 19920924
 DT - I
 CCI - [A61F13/5633](#) ; [A61F13/58](#) ; [A61L15/585](#) ; [C09J153/02](#)
 CLC - [A61L15/585](#) , [C08L53/02](#) , INV
 CCA - [C08L2666/02](#)
 PA - (A1 B1)
 MINNESOTA MINING & MFG [US]
 TI - (A1)

OIL-TOLERANT REINFORCEMENT STRIP.

- (B1)

OIL-TOLERANT REINFORCEMENT STRIP

21/27 © EPODOC / EPO

PN - [DE202005007606U](#) U1 20050825
PR - DE20052007606U 20050513
AP - DE20052007606U 20050513
DT - *; Rep
CUI - [A41B13/06](#) ; [A61F13/00](#)
PA - UHLEMAYR URSULA[DE]
TI - Combination of outer and inner treated sheet for wrapping body in order to strengthen immune system
AB - A body wrap with a sheet containing a soothing or healing substance (2) is part of the traditional medicine. The new arrangement is assembled of an outer (4) and an inner layer (2). The sheet (2) to be attached to the body is soaked in a soothing or healing substance, preferably beeswax, which can be enriched by an essential **oil**. The outer layer (4) has an inner surface of silk facing the treated sheet (2) and an outer surface pleasant to the touch like soft wool. Two diagonal **strips** (6, 8) sewn to the outer layer are guided across two of the corners of the inner layer (2).

22/27 © EPODOC / EPO

PN - [DE3118262](#) A1 19821209
PR - DE19813118262 19810508
AP - DE19813118262 19810508
DT - *; Rep
CCI - [A61F13/8405](#) ; [A61F13/15577](#)
CCA - [A61F2013/51117](#)
PA - KNOELL GEB RUFF HANNELORE
TI - Disposable diaper with skincare zone
AB - According to the invention, disposable diapers of any kind are provided with a skincare zone on the inside. This zone advantageously comprises a **strip** which is a few centimetres wide, contains a skincare agent and is to be introduced so as to extend through the diaper lengthwise, so that it extends exactly along the most sensitive parts of the soft baby skin, namely past the bladder and intestinal outlets. The skincare **strip** is made of any nonwoven material impregnated with a skincare agent or containing an ointment or skincare cream. The skincare zone can be delimited in any way by an impermeable border, on the one hand so that the skincare **strip** retains its caring effect until opening and, on the other hand, advantageously due to the fact that the impermeable lower side of the skincare **strip** is guided upwards on both sides, so that a soaked nonwoven cannot pass the moisture on to the zone impregnated with the skincare agent and so that consequently this zone cannot be soaked. The **oil**- or skincare agent-containing **strip** repels the urine, does not absorb it and passes it directly into the absorbent nonwoven cushion lying around and underneath it, so that the most sensitive skin parts are protected by the skincare **strip** against inflammation and redness. Such a

disposable diaper with a skincare **strip** to be stuck in or incorporated skincare zone optimally protects the soft baby skin.

23/27 © EPODOC / EPO

- PN - [CA2221172](#) A1 19940331
- PR - CA19922221172 19920924; BR19929207147 19920924; CA19922125481 19920924; CS19920058495 19920924; EP19920921924 19920924; WO1992US08162 19920924; US19960769064 19961218; US19940244064 19940516
- AP - CA19922221172 19920924
- DT - **
- CCI - [A61F13/5633](#) ; [A61F13/58](#) ; [A61L15/42](#) ; [A61L15/58](#) ; [A61L15/585](#) ; [C09J153/02](#)
- CLC - [A61L15/58](#) , [C08L25/10](#) , INV
- [A61L15/585](#) , [C08L53/02](#) , INV
- CCA - [C08L2666/02](#)
- PA - MINNESOTA MINING & MFG [US]
- TI - **OIL-TOLERANT REINFORCEMENT STRIP**
- AB - A diaper construction (10) is provided with an external porous reinforcement **strip** (11) at the front part of the outside of the diaper (10), which **strip** (11) provides reinforcement against an adhesive fastening tab (4) and provides an **oil**-contamination tolerant adhesion surface.

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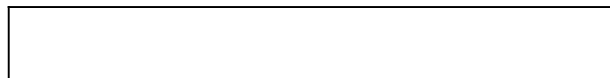
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- AP - CA19922125481 19920924
- DT - **
- CCI - [A61F13/5633](#) ; [A61F13/58](#) ; [A61L15/42](#) ; [A61L15/58](#) ; [A61L15/585](#) ; [C09J153/02](#)
- CLC - [A61L15/58](#) , [C08L25/10](#) , INV
- [A61L15/585](#) , [C08L53/02](#) , INV
- CCA - [C08L2666/02](#)
- PA - (A1)
MINNESOTA MINING & MFG [US]
- TI - (A1 C)
OIL-TOLERANT REINFORCEMENT STRIP
- AB - (C)
A diaper construction (10) is provided with an external porous reinforcement **strip** (11) at the front part of the outside of the diaper (10), which **strip** (11) provides reinforcement against an adhesive fastening tab (4) and provides an **oil**-contamination tolerant adhesion surface.

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CCI - [A61F13/5611](#) ; [A61L15/585](#) ; [C09J153/025](#)
CLC - [A61L15/585](#) , [C08L53/00](#) , INV
CCA - [A61F13/58](#) ; [Y10T428/1452](#) ; [Y10T428/2883](#)
PA - FULLER H B CO
TI - ABSORBENT ARTICLE WITH ADHESIVE **STRIP**
AB - The disclosed article (e.g. a sanitary napkin) typically comprises (1) an elongated absorbent pad, (2) an outer covering layer in adherent contact with at least one surface of the pad, (3) an adhesive **strip** or layer on the exposed surface of the outer layer, and (4) a release liner for protecting the adhesive layer. The adhesive layer is useful for removably attaching the article to the inside of an undergarment or the like. Production of the article can be greatly simplified by using a hot-melt pressure sensitive adhesive (PSA) as the adhesive layer. However, the rubbery base for the hot-melt PSA should be very carefully selected. Two types of rubbery polymers provide good results, i.e. (a) an A-B-A block copolymer having polystyrene end blocks and a rubbery poly(ethylene-butylene) midblock and (b) a radial teleblock copolymer with branches having polystyrene terminal blocks and a butadiene segment in the center. One or both of these rubbery polymers is used to formulate the hot-melt PSA along with a suitable tackifier and a process **oil**.

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PN - [AU3033995](#) A 19951123
PNFP - AU677912B B2 19970508
PR - BR19929207147
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19920924; WO1992US08162
19920924; US19960769064
19961218; US19940244064
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AP - AU19950030339 19950829
DT - I
CT - || STSE (B2)
[WO9208763](#) A1 19920529 [
] (MINNESOTA MINING & MFG
[US]);
[US5019071](#) A 19910528 [
] (BANY STEPHEN W [US], et al);
[EP0306232](#) A2 19890308 [



] (MINNESOTA MINING & MFG
 [US])
 CCI - [A61F13/5633](#) ; [A61F13/58](#) ;
[A61L15/42](#) ; [A61L15/58](#) ;
[A61L15/585](#) ; [C09J153/02](#)
 CLC - [A61L15/58](#) , [C08L25/10](#) , INV
- [A61L15/585](#) , [C08L53/02](#) , INV
 CCA - [C08L2666/02](#)
 PA - (A B2)
 MINNESOTA MINING & MFG
 TI - (A B2)
Oil-tolerant reinforcement strip

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PN - [AU2785092](#) A 19940412
 PNFP - AU663894B B2 19951026
 PR - BR19929207147
 19920924; CA19922221172
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 19920924; EP19920921924
 19920924; WO1992US08162
 19920924; US19960769064
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[EP0375862](#) A2 19900704 [
] (NITTO DENKO CORP [JP]);
[EP0306232](#) A2 19890308 [
] (MINNESOTA MINING & MFG
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 CCI - [A61F13/5633](#) ; [A61F13/58](#) ;
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[A61L15/585](#) ; [C09J153/02](#)
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- [A61L15/585](#) , [C08L53/02](#) , INV
 CCA - [C08L2666/02](#)
 PA - (A B2)
 MINNESOTA MINING & MFG
 TI - (A B2)
Oil-tolerant reinforcement strip



