

Search query (2): [SP]: 1. hygienic product comprising an odor control material (1) having a longitudinal direction (y), a transverse direction (x) and a thickness direction (z), said hygienic product comprising a liquid permeable topsheet (24), a liquid impermeable backsheet (8) and an absorbent core (9) enclosed between the top sheet (24) and the back sheet (8), characterized in that wherein: the odor control material (1) is located between the topsheet (24) and the absorbent core (9) and comprises a first carrier material (2) wherein a plurality of odor control particles (3) consisting of activated carbon are bonded to at least one surface of the first carrier material (2) by a binder substance (4), that the first carrier material (2) in an unexpanded condition has a plurality of transversal slits (6), and that the first carrier material (2) in an expanded condition in the longitudinal direction (y) has a plurality of openings (7), and that the first carrier material (2) is fixed in the expanded condition in the hygienic product whereby the odor control material (1) is in the form of a reticulated structure. 2. hygienic product according to claim 1, characterized in that wherein the odor control material (1) is fixed in the expanded condition in the hygienic product so that the odor control material covers 5-100 percent of the total surface area in the a horizontal plane of the hygienic product. 3. hygienic product according to any of claims 1 - 2 claim 1, characterized in that wherein the odor control material (1) is fixed in the expanded condition in the hygienic product so that the odor control material (1) covers 5-60 percent of the total surface area in the a horizontal plane of the hygienic product. 4. hygienic product according to any of claims 1 - 3 claim 1, characterized in that wherein the first carrier material (2) is a foam material. 5. hygienic product according to any of claims 1 - 4 claim 1, characterized in that wherein the slits (6) are provided in staggered rows extending in the transverse direction (x), having a slit length a of 5-20 mm and a slit distance b between the ends of two mutually sequential slits (6) in the staggered row of 0.4-0.6 times the slit length a, and a row distance c between two adjacent rows of 0.4-0.6 times the slit length a. 6. hygienic product according to claim 5, characterized in that wherein the slit length a divided with the row distance c is less or equal to 10. 7. hygienic product according to any of claims 1 - 6 claim 1, characterized in that wherein the odor control material also comprises an additive such as selected from the group of a plasticizer, stabilizer, agent improving dispersibility, ph regulating agent, antimicrobial substance, perfume, surfactant, and/or scenting substance. 8. hygienic product according to any of claims 1 - 7 claim 1, wherein the hygienic product is an absorbent product such as a diaper, sanitary napkin, incontinence protector or a pantyliner. 9. hygienic product according to claim 8, characterized in that wherein the binder substance is water soluble so it at least partially dissolves when in contact with an aqueous solution. 10. hygienic product according to any of claim 8 or 9 claim 8, characterized in that wherein the first carrier material (2) has a first surface (22) and a second opposite surface (23) wherein the first surface (22) is facing the liquid permeable topsheet (24) and the second surface (23) is facing the absorbent core (9) wherein the odor control particles (3) are bonded to the second surface (23) of the first carrier material (2) so that the surface bonded with odor control particles is facing the absorbent core (9). 11. hygienic product according to any of claims 8 - 10 claim 8, characterized in that wherein the odor control material comprises a second carrier material (5) laminated to the first carrier material (2) in its expanded condition so that the first carrier material (2) is fixed to the second carrier material (5) in its expanded condition in the form of a reticulated structure with openings (7). 12. hygienic product according to claim 11, characterized in that wherein the second carrier material (5) is facing the topsheet (24) and the first carrier material (2) is facing the absorbent core (9). 13. hygienic product according to claim 11 or 12, characterized in that wherein the second carrier material (5) is a nonwoven material. 14. hygienic product according to any of claims 1 - 7 claim 1, characterized in that wherein the hygienic product is a flatulence product. 15. method for producing a hygienic product comprising an odor control material (1) having a longitudinal direction (y), a transverse direction (x) and a thickness direction (z), said hygienic product comprising a liquid permeable topsheet (24), a liquid impermeable backsheet (8) and an absorbent core (9) enclosed between the top sheet (24) and the back sheet (8), characterized in that wherein the method comprises the following steps: locating the odor control material (1) between the topsheet (24) and the absorbent core (9) providing a first carrier material (2) forming part of the odor control material (1) and having a first surface and a second opposite surface bonding a plurality of odor control particles (3) consisting of activated carbon to at least the first surface by means of a binder substance (4) providing a plurality of transversal slits (6) in the first carrier material (2), in an unexpanded condition thereof, so that the first carrier material (2) in an expanded condition in the longitudinal direction (y) has a plurality of openings (7) and fixing the first carrier material (2) in the expanded condition in the hygienic product whereby the odor control material (1) is in the form of a reticulated structure.

Results: 9

1) Family number: 59608015 (US2017027778A)

© PatBase

Title: ABSORBENT PRODUCT COMPRISING ODOR CONTROL MATERIAL

Abstract: Source: US2017027778A Hygienic product comprising an odor control material having a longitudinal direction, a transverse direction and a thickness direction, the odor control material including a first carrier material wherein a plurality of odor control particles are bonded to at least one surface of the first carrier material by a binder substance wherein the first carrier material in an unexpanded condition has a plurality of transversal slits, and that the first carrier material in an expanded condition in the longitudinal direction has a plurality of openings, and that the first carrier material is fixed in the expanded condition in the hygienic product whereby the odor control material is in the form of a reticulated structure.

Classifications:

International (ipc 8-9): A61F13/15 A61F13/47 A61F13/51

A61F13/534 A61F13/537 A61F13/84 A61L15/46 A61L9/014

B32B5/18 (Advanced/Invention);

A61F13/47 A61F13/51 (Advanced/Non-invention)

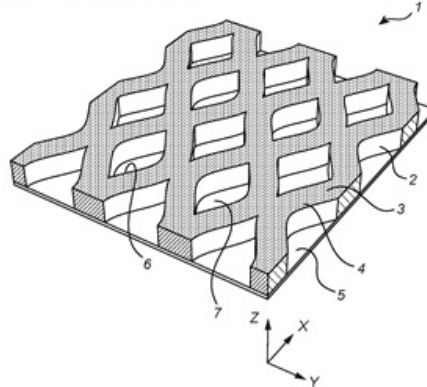
CPC: A61F13/53747 A61F13/53752 A61F2013/530861

A61F2013/8408 A61F2013/8423 A61F13/15577 A61F13/53743

A61F2013/8411 A61F13/8405 A61F2013/842 A61L15/46

US: 604/359

PatBase - US2017027778_AA



Family:

Publication number	Publication date	Application number	Application date
AU2013408436 A1	20150625	AU20130408436	20131220
AU2013408436 AA	20150625	AU20130408436	20131220
AU2013408436 BB	20170223	AU20130408436	20131220
CN105828776 A	20160803	CN201380081746	20131220
CO20160000059 A2	20161031	CO20160000059	20160719
EP3082703 A1	20161026	EP20130899538	20131220
JP2017509357 T2	20170406	JP20160540966T	20131220
US2017027778 AA	20170202	US20130104119	20131220
WO15094068 A1	20150625	WO2013SE51603	20131220

Priority:

WO2013SE51603 20131220

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): SCA HYGIENE PROD AB

Assignee(s): SCA HYGIENE PRODUCTS AB

Inventor(s): (std): FORSGREN BRUSK ULLA ; KALENTUN PIA ; MOBERG BARBRO ; RYTTSSEN FRIDA ; STRIDFELDT CHATRINE ; YHLEN BIRGITTA

Inventor(s): ULLA FORSGREN BRUSK ; PIA KALENTUN ; FRIDA RYTTSSEN ; BARBRO MOBERG ; BIRGITTA YHLEN ; CHATRINE STRIDFELDT

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; JOSE ANDRES RINCON USCATEGUI; ZACCO SWEDEN AB; SCA HYGIENE PRODUCTS AB

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 15315944 (US6344036B)

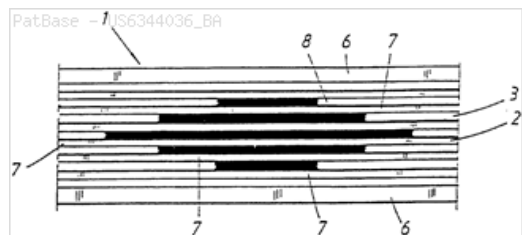
© PatBase

Title: Material layer and method for manufacturing said layer

Abstract: Source: US6344036B The invention relates to a material layer of soft paper polymer fiber or polymer film intended to be used as a separate layer, or in at least one layer to be placed loosely on, or be bonded to one or more material webs for achieving a controlled diffusion capacity of a liquid deposited on at least the material layer, or for achieving a bulkier and thicker material web. The layer (1) has a plurality of slit formations (2) extending over it, which are laterally arranged in optional and mutually spaced relationship, such as to form free, separate strip formations (3), the layer (1) being intended to constitute a separate material layer or be included in a combination of at least one further, differing material layer or web, which, when the slitted layer (1) is drawn apart to a greater or less extent, positionally fixes the layer in different, given, opened-out configurations, depending on its field of use, this operation resulting in different opening widths being obtained for the slit formations (2) in the material layer.

Classifications:

International (IPC 8-9): A61F13/15 D04H13/00 D21H27/02
D21H27/30 (Advanced/Invention);
D21H27/30 (Advanced/Non-invention);
A61F13/15 D04H13/00 D21H27/02 D21H27/30 (Core/Invention);
D21H27/30 (Core/Non-invention)
International (IPC 1-7): A61F13/15 A61F13/46 D21H27/30
CPC: A61F13/53717 A61F2013/53782 D04H1/593 D04H13/00
A61F13/537 D21H27/02 D21H27/30
European: A61F13/537B4 D04H1/593 D04H13/00 D21H27/02
K61F13/537E4 N21H27/30
US: 604/369 604/378 604/385.101



Family:

Publication number	Publication date	Application number	Application date
AU199724165 A1	19971022	AU19970024165	19970403
CA2251477 AA	19981002	CA19972251477	19970403
CA2251477 C	20070703	CA19972251477	19970403
EP0892628 A1	19990127	EP19970919823	19970403
SE509260 C2	19981221	SE19960001302	19960403
SE509260 C9	19971004	SE19960001302	19960403
SE9601302 A	19971004	SE19960001302D	19960403
SE9601302 A0	19960403	SE19960001302	19960403
SE9601302 L	19971004	SE19960001302	19960403
US6344036 BA	20020205	US19980155698	19981013
WO9736565 A1	19971009	WO1997SE00557	19970403

Priority:

SE19960001302 19960403 WO1997SE00557 19970403

Probable Assignee: DUNI AB

Assignee(s): (std): IVANSSON ANDERS ; DUNI AB

Assignee(s): DUNI AB A SWEDISH CORP ; DUNI A SWEDISH AB CORP ; SVENSKA HANDELSBANKEN C O HANDELSBANKEN MARK ; DUNI PO BOX AB ; SVENSKA HANDELSBANKEN AB

Inventor(s): (std): IVANSSON ANDERS ; ANDERS IVANSSON

Agent(s): FETHERSTONHAUGH AND CO

Designated states: AT AU BE CA CH DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE US

3) Family number: 15737851 (US6313371B)

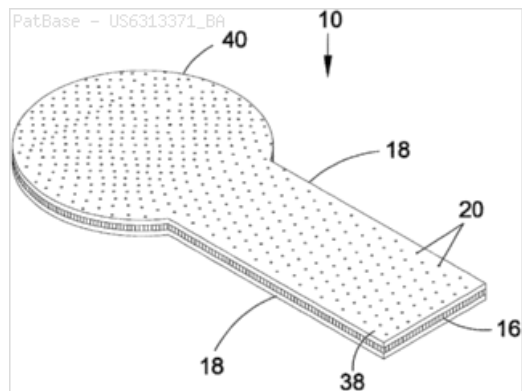
© PatBase

Title: Flatulence deodorizer

Abstract: Source: US6313371B The present invention 10 discloses a pad to be worn by a user 12 for absorbing gas due to flatulence. The pad is constructed of activated charcoal cloth 16 disposed between a pair of laminations or layers 18 having multiple perforations 20 therein. The method of use of the present invention is also simple. The pad 10 is non-intrusively taped inside briefs or panties 24 in the anal area using double-sided adhesive tape 28 and due to its slim profile, the wearer is comfortably unaware of its presence. A continuous roll or portion of double-sided tape 28 is provided with perforated section intended for tearing off for one time, disposable use with the washable and reusable filter pads 10. A double-compartment ziplocked plastic bag 33 is also provided for carrying and separating the tape and pads for sanitary purposes. This makes the present invention 10 a safe, effective, cost efficient, comfortable and least intrusive method of dealing with this embarrassing problem.

Classifications:

International (IPC 8-9): A61F13/15 (Advanced/Invention)
International (IPC 1-7): A61F13/15
CPC: A61F13/47 A61F13/8405 A61F2013/15138
European: A61F13/47 A61F13/84B K61F13/15A16F
US: 604/359



Family:

Publication number	Publication date	Application number	Application date
US6313371 BA	20011106	US20000548097	20000412

Priority:

US20000548097 20000412

Probable Assignee: CONANT BRIAN J

Assignee(s): CONANT BRIAN J ; CONANT MYRA M

Inventor(s): (std): CONANT BRIAN J ; CONANT MYRA M

4) Family number: 19196821 (GB2055586A)

© PatBase

Title: Sanitary towels and other absorbent elements

Abstract: Source: GB2055586A A sanitary towel, baby nappy, bandage or other absorbent element comprises an absorbent material (9, 10) enclosed within an envelope including a layer of non-woven material (6) to contact the skin of the user. A layer (11) of a flexible material which has been expanded in a manner analogous to "expanded metal" by slitting and stretching perpendicular to the direction of the parallel lines of slits is included in the envelope with the absorbent material either as a flexible reinforcement or to facilitate passage of body liquids from the non-woven material (6) to the absorbent material (9, 10).

Classifications:

International (IPC 8-9): A61F13/00 A61F13/15

B01J20/28 (Advanced/Invention);

A61F13/00 A61F13/15 B01J20/28 (Core/Invention)

International (IPC 1-7): A41B13/02 A61F13/18 A61G7/04 A61L15/00 B01J20/28

CPC: A61F13/4702 A61F13/00008 A61F13/537 A61F2013/00744

A61F2013/15048 A61F2013/53782 A61F2013/530481

European: A61F13/00 A61F13/00A2 A61F13/47A A61F13/537

K61F13/00L5A6 K61F13/15A11 K61F13/537E4 K61F13/53Q

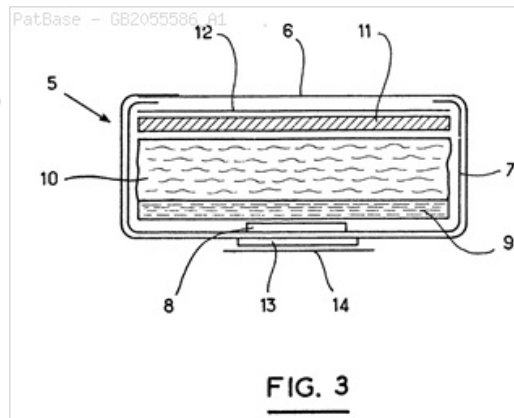


FIG. 3

Family:

Publication number	Publication date	Application number	Application date
BE884699 A1	19810209	BE19800201691	19800808
DE3030096 A1	19810226	DE19803030096	19800808
DK342280 A	19810211	DK19800003422	19800808
ES260303 U	19820516	ES19800260303U	19800808
FR2462902 A1	19810220	FR19790020438	19790810
FR2462902 B1	19831202	FR19790020438	19790810
GB2055586 A1	19810311	GB19800024779	19800729
GB2055586 B2	19830427	GB19800024779	19800729
IE49972 B	19860122	IE19800001673	19800808
IE801673 L	19810210	IE19800001673	19800808
IT1129240 A	19860604	IT19800068276	19800808
IT8068276 A0	19800808	IT19800068276	19800808
NL8004404 A	19810212	NL19800004404	19800731
NL8004404 A1	19810212	NL19800004404	19800731

Priority:

FR19790020438 19790810

Probable Assignee: OREAL

Assignee(s): (std): L OREAL ; L OREAL SOC ANONYME TE PARIJS ; LOREAL ; OREAL

Assignee(s): L OREAL SOCIETE ANONYME TE PARIJS

Inventor(s): (std): BOITEAU C ; BOITEAU CLAUDE

Inventor(s): CLAUDE BOITEAU ; C BOITEAU

Title: ODOR-ABSORBING WEB MATERIAL AND MEDICAL MATERIAL PACKAGES CONTAINING THE WEB MATERIAL

Abstract: Source: US5161686A Disclosed is an odor-absorbing, non-dusting porous web material and a method of making the same. The web material includes a porous base web (for example, a fibrous base web, such as a non-woven or paper web) having distributed throughout odor-absorbing particulate (such as zeolite). Alkaline salt or alkaline earth oxide particulate, to better effect removal of acidic malodor, desirably also is distributed throughout the base web, in the final product. The odor-absorbing particulate is bound to the base web (e.g., fibers of a fibrous base web) by a binding system, containing a binding agent. The binding system, in the odor-absorbing web materials, is transparent to the odors so as not to substantially effect the ability of the particulate to absorb odor-causing material. The odor-absorbing web material is formed by dipping a porous base web in a saturant slurry containing the odor-absorbing particulate (the slurry including an alkaline salt or alkaline earth oxide) and the binding agent, together with a surfactant; squeezing out excess saturant slurry from the web; and drying. Also disclosed are two specific uses of the odor-absorbing web material: (1) in personal care products such as catamenial devices; and (2) in packages containing medical materials such as hospital gowns, which materials have been sterilized in the sealed package by gamma sterilization.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/20 A61F13/472 A61F5/44 A61L15/00 A61L15/18 A61L15/46 A61L2/26 A61L9/01 A61L9/04 (Advanced/Invention);

A61F13/15 A61F13/20 A61F5/44 A61L15/00 (Advanced/Non-invention); A61F13/15 A61F13/20 A61F5/44 A61L15/00 A61L15/16 A61L2/26 A61L9/01 A61L9/04 (Core/Invention)

International (IPC 1-7): A61B17/06 A61F13/15 A61F13/20 A61F5/44 A61L15/00 A61L15/16 A61L15/18 A61L15/24 A61L15/46 B01J20/04 B01J20/18 B01J20/22 B01J20/24 B01J20/26 B01J20/28 B01J20/30 B01J20/32 B65D D21H

CPC: Y10S206/828 Y10S428/903 Y10S428/913 Y10T428/25 Y10T428/259 A61L15/46 A61L2/26 A61L9/01 A61L9/04 A61L9/042 A61L2300/102 A61L2300/108 Y10T442/2918 Y10T442/621 Y10T442/66

European: A61L15/46 A61L2/26 A61L9/01 A61L9/04 A61L9/04B K61L300/102 K61L300/108

US: 128/849 206/440 206/828 428/283 428/284 428/286 428/323 428/331 428/903 428/913 442/171 442/346 442/382 502/60

PatBase - US5161686_A

U.S. Patent

Nov. 10, 1992

Sheet 1 of 3

5,161,686

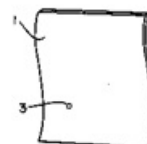


FIG. 1a



FIG. 1b



FIG. 2

Family:

Publication number	Publication date	Application number	Application date
AU199053118 A1	19901018	AU19900053118	19900410
AU626655 B2	19920806	AU19900053118	19900410
CA2014204 AA	19901014	CA19902014204	19900409
EP0392528 A2	19901017	EP19900107020	19900412
EP0392528 A3	19911127	EP19900107020	19900412
JP3000057 A2	19910107	JP19900100152	19900416
US5161686 A	19921110	US19890338172	19890414
ZA9002560 A	19910327	ZA19900002560	19900403

Priority:

CA19902014204 19900409 US19890338172 19890414

Probable Assignee: KIMBERLY CLARK CORP

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

Assignee(s): KIMBERLY CLARK CORP ; WEBER MARY G ; WEBER ROBERT E ; YEO RICHARD S ; FITTING STEVEN W ; KIMBERLEY CLARK CORP ; KIMBERLY CLARK A CORP OF DE CORP

Inventor(s): (std): FITTING STEVEN ; FITTING STEVEN W ; MARY G WEBER ; MEARII JII UEEBAA ; RICHARD S YEO ; RICHIIYAADO ESU IEO ; ROBAATO II UEEBAA ; ROBERT E WEBER ; STEVEN W FITTING ; SUTEIBUN DABURIYUU FUITSUTEIN ; WEBER MARY G ; WEBER ROBERT E ; YEO RICHARD S

Inventor(s): SUTEIBUN DABURIYUU FUITSUTEINGU ; NAME NOT GIVEN

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; BORDEN LADNER GERVAIS LLP

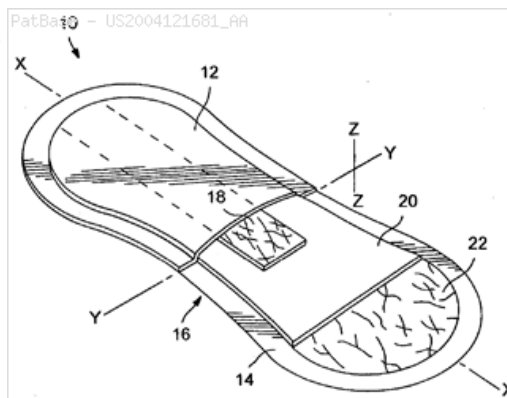
Designated states: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

Title: ABSORBENT ARTICLES CONTAINING AN ACTIVATED CARBON SUBSTRATE

Abstract: Source: US2004121681A An absorbent article that contains a substrate applied with an activated carbon coating is provided. The activated carbon coating is formed from a mixture of a polymeric material and an activation agent. The mixture is activated by heating to a temperature of from about 100 degrees centigrade to about 250 degrees centigrade. As a result of the present invention, it has been discovered that a substrate can be formed that is absorbent and also capable of performing other functions, such as serving as an odor control agent.

Classifications:

International (IPC 8-9): A61F13/15 A61L15/18 A61L15/46 B01J20/20 B01J20/28 (Advanced/Invention); A61L15/18 A61L15/46 (Advanced/Non-invention); A61F13/15 A61L15/16 B01J20/20 B01J20/28 (Core/Invention)
International (IPC 1-7): A61L15/18 A61L15/22 A61L15/46 B05D1/00 B32B5/02 B32B5/22 C01B31/08
CPC: Y10T428/2481 B01J20/28033 A61F13/8405 A61L15/18 A61L15/46 A61L2300/108 A61L2300/606 B01J20/20 B01J20/28023 B01J20/28035 B01J20/28069 Y10T442/2041 Y10T442/2066 Y10T442/2082 Y10T442/2139 Y10T442/2508
European: A61F13/84B A61L15/18 A61L15/46 B01J20/20 B01J20/28D24 B01J20/28D24A B01J20/28D8 B01J20/28F8
US: 427/209 427/209S 427/21 427/210 427/210S 427/256 427/256S 427/389.9 427/389.900S 428/196 428/196S 442/121 442/121P 442/64 442/64S 442/67 442/67S 442/69 442/69S 442/76 442/76S

**Family:**

Publication number	Publication date	Application number	Application date
AU2003284251 AA	20040729	AU20030284251	20031017
BRPI0317122 A	20051025	BR2003PI17122	20031017
EP1575626 A1	20050921	EP20030776431	20031017
KR20050085435 A	20050829	KR20057010352	20031017
MXPA05006064 A1	20050816	MX2005PA06064	20031017
US2004121681 AA	20040624	US20020328729	20021223
WO04060414 A1	20040722	WO2003US32849	20031017

Priority:

US20020328729 20021223 WO2003US32849 20031017

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

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

Assignee(s): KIMBERLY CLARK WORLDWIDE INC

Inventor(s): (std): BORDERS RICHARD A ; BORDERS RICHARD ARNOLD ; CHEN FUNG JOU ; CHRISTIAN MANGUN ; EDENS RON ; EDENS RONALD L ; EDENS RONALD LEE ; LINDSAY JEFF ; LINDSAY JEFFREY DEAN ; MANGUN CHRISTIAN ; MANGUN CHRISTIAN L ; QUINCY ROGER ; QUINCY ROGER BRADSHAW ; GADSBY ELIZABETH ; GADSBY ELIZABETH DEIBLER

Inventor(s): JEFF LINDSAY ; RICHARD A BORDERS ; RICHARD ARNOLD BORDERS ; ROGER QUINCY ; RON EDENS ; RONALD L EDENS ; ELIZABETH DEIBLER GADSBY ; ELIZABETH GADSBY ; FUNG JOU CHEN

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

7) Family number: 31541593 (US4992326A)

© PatBase

Title: HYDROPHILIC POLYMERS FOR INCORPORATING DEODORANTS IN ABSORBENT STRUCTURES

Abstract: Source: US4992326A There is disclosed the process of incorporating a deodorant powder (of various mechanisms of action) into a hydrophilic, swellable, water-insoluble absorbent crosslinked polymer, which swellable polymer is coated on a thin, flexible, substrate e.g. a non-woven web, a paper tissue, or a water-insensitive film, and the resultant flexible structure which contain the deodorant powders, held in a dust-free stable manner, and their use as one or more components of body fluid absorbent structures such as sanitary napkins.

Classifications:

International (IPC 8-9): A61F13/00 A61F13/15 A61F13/20 A61L15/00 A61L15/16 A61L15/46 A61L9/00 A61L9/16 B01J20/30 B29B15/10 B29D7/01 (Advanced/Invention); A61L9/00 A61L9/16 B01J20/30 (Advanced/Non-invention); A61F13/00 A61F13/15 A61L15/00 A61L15/16 A61L9/00 A61L9/16 B01J20/30 B29B15/10 B29D7/00 (Core/Invention)

International (IPC 1-7): A61F13/00 A61F13/16 A61F13/18 A61F13/20 A61F13/46 A61K47/00 A61K47/34 A61K7/32 A61K7/46 A61L15/00 A61L15/16 A61L15/24 A61L15/46 A61L9/00 A61L9/16 B01J20/30 B29B15/10 B29D7/01 B32B27/10 B32B5/16 C08J3/20 C08J3/24 D06M15/00

CPC: Y10S428/905 A61L2300/102 A61L2300/108 A61F13/8405 A61F13/15577 A61F2013/5109 A61F2013/51409 A61F2013/530518 A61F2013/530642 A61F2013/8408 A61F2013/8447 A61F2013/845 A61L15/46 A61L2300/00 Y10T428/2982 Y10T428/2991 Y10T428/2998

European: A61F13/15M A61F13/84B A61L15/46 K61F13/514A4 K61F13/51R K61F13/53Q2A K61F13/53Q4D1 K61F13/84B1 K61F13/84B4 K61F13/84B4A K61L300/00 K61L300/102 K61L300/108

US: 424/489 428/283 428/402 428/403 428/407 428/905

Family:

Publication number	Publication date	Application number	Application date
AT84225 E	19930115	AT19880114029T	19880826
AU198821430 A1	19890302	AU19880021430	19880819
AU627429 B2	19920827	AU19880021430	19880819
BRPI8804401 A	19890328	BR1988PI04401	19880828
CA1330936 A1	19940726	CA19880575833	19880826
CN1027678 C	19950222	CN19881006292	19880825
CN1031545 A	19890308	CN19881006292	19880825
DE3877281 D1	19930218	DE19883877281	19880826
DE3877281 T2	19930722	DE19883877281T	19880826
EP0304952 A2	19890301	EP19880114029	19880826
EP0304952 A3	19891018	EP19880114029	19880826
EP0304952 B1	19930107	EP19880114029	19880826
ES2053649 T3	19940801	ES19880114029T	19880826
GR1000338 B	19920625	GR19880100555	19880826

GR880100555 A	19890525	GR19880100555	19880826
IE61194 B	19941019	IE19880002613	19880826
IE882613 L	19890228	IE19880002613	19880826
IN171312 A	19920919	IN1988CA00699	19880822
IN175839 A	19950923	IN1992CA00287	19920427
IN182863 A	19990731	IN1994CA00808	19941003
JP1083264 A2	19890329	JP19880210844	19880826
JP2868522 B2	19990310	JP19880210844	19880826
JP64083264 A2	19890329	JP19880210844	19880826
NZ225846 A	19900926	NZ19880225846	19880816
PH26761 A	19920928	PH19880037452	19880824
US4992326 A	19910212	US19870090491	19870828
US5230958 A	19930727	US19910638728	19910108
ZA8806375 A	19900425	ZA19880006375	19880826

Priority:

CA19880575833 19880826	EP19880114029 19880826	EP19880114029 19880826
IN1994CA00808 19941003	IN1992CA00287 19920427	IN1988CA00699 19880822
EP19880114029 19880826	US19910638728 19910108	US19870090491 19870828

Probable Assignee: MCNEIL PPC INC

Assignee(s): (std): JOHNSON AND JOHNSON ; MCNEIL PPC INC ; NCNEIL PPC INC ; PERSONAL PRODUCTS CO ; PERSONAL PRODUCTS COMPANY ; ZEILER AG

Assignee(s): PERSONAL PROD CO ; PAASONARU PURODAKUTSU CO ; MCNEIL PPC INC MILLTOWN N J US ; DABI SHMUEL

Inventor(s): (std): DABI SHMUEL ; DABI SHNUEL ; SAMIYUERU DABI ; SHMUEL DABI ; SHNUEL DABI ; DABI SAHMUEL

Inventor(s): DABI SHMUEL HIGHLAND PARK NJ 08904 US ; DABI SHMUEL HIGHLAND PARK N J 08904 US ; SAMYUERU DABI

Agent(s): GRIFFITH HACK ; OGILVY RENAULT LLP SENCRL SRL

Designated states: AT BE CH DE ES FR GB IT LI NL

8) Family number: 33093650 (US2006142709A)

© PatBase

Title: ACTIVATED CARBON SUBSTRATES

Abstract: Source: US2006142709A A substrate that contains an odor control composition is provided. The odor control composition includes activated carbon for adsorbing one or more odorous compounds to reduce odor. The odor control composition also contains a water-soluble binder for increasing the durability of the activated carbon when applied to a substrate. In addition to improving durability, such a water-soluble binder may also provide good drapability and low residual odor in the resulting coated substrate.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/53 A61L15/16 A61L15/46 B32B5/30 (Advanced/Invention);

A61F13/15 A61L15/16 A61L15/46 (Advanced/Non-invention);

A61F13/15 A61L15/16 (Core/Invention)

CPC: Y10T428/24901 A61L15/18 A61L15/46 A61L2300/102

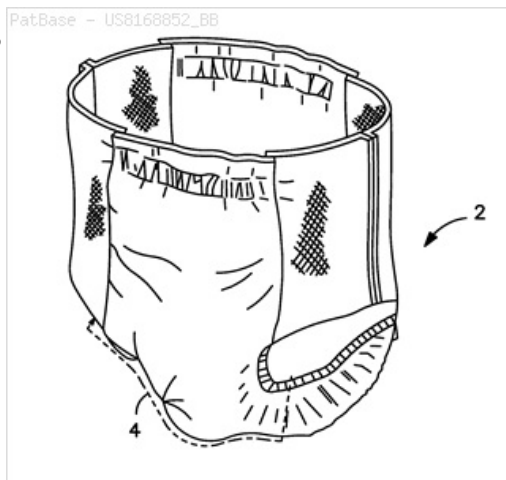
A61L2300/108 A61L2300/606 A61L2300/622 A61F13/15

A61F2013/16 A61L2300/442

European: A61L15/18 A61L15/46 K61L300/102 K61L300/108

K61L300/606 K61L300/622

US: 428/207 604/359 604/359P



Family:

Publication number	Publication date	Application number	Application date
AU2005322560 AA	20060706	AU20050322560	20050930
AU2005322560 BB	20110707	AU20050322560	20050930
BRPI0518807 A2	20081209	BR2005PI18807	20050930
BRPI0518807 B1	20161220	BR2005PI18807	20050930
CN101090742 A	20071219	CN200580044799	20050930
CN101090742 B	20120926	CN200580044799	20050930
DE602005048492 D1	20160331	DE200560048492T	20050930
EP1827518 A1	20070905	EP20050808602	20050930
EP2813248 A1	20141217	EP20140183896	20050930
EP2813248 B1	20160217	EP20140183896	20050930
KR20070088731 A	20070829	KR20077014280	20070622
KR20130062376 A	20130612	KR20137012867	20050930
MX2007007638 A1	20070806	MX20070007638	20050930
US2006142709 AA	20060629	US20040021547	20041223
US8168852 BB	20120501	US20040021547	20041223
WO06071318 A1	20060706	WO2005US35496	20050930

Priority:

EP20050808602 20050930	EP20140183896 20050930	US20040021547 20041223
------------------------	------------------------	------------------------

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Assignee(s): (std): KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; QUINCY III ROGER BRADSHAW

Assignee(s): KIMBERLY CLARK WORLDWIDE INC ; KIMBERLY CLARK WORLDWIDE INC NEENAH

Inventor(s): (std): QUINCY ROGER BRADSHAW III ; QUINCY ROGER B III ; QUINCY III ROGER BRADSHAW ; BRADSHAW QUINCY III ROGER

Inventor(s): QUINCY III ROGER BRADSHAW CUMMING ; QUINCY ROGER BIII ; QUINCY ROGER ; ROGER BRADSHAW QUINCY III

Agent(s): SPRUSON AND FERGUSON; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; DEHNS; BEACHAM ANNABEL ROSE; DORITY AND MANNING PA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

9) Family number: 66073744 (US2017165134A) © PatBase

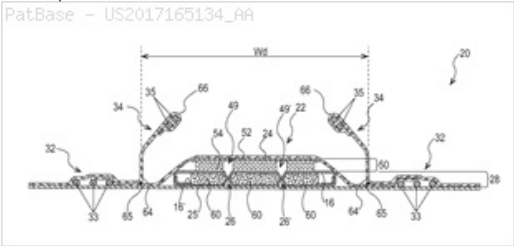
Title: ARTICLE COMPRISING ODOR CONTROL COMPOSITION

Abstract: Source: US2017165134A Absorbent articles comprising odor control compositions that are not visible from the outside of the article due to placement on or next to the absorbent core wrap.

Classifications:

International (IPC 8-9): A61F13/49 A61F13/511 A61F13/514 A61F13/515 A61F13/53 A61F13/531 A61F13/537 A61F13/539 A61F13/58 A61F13/84 A61L15/18 A61L15/28 A61L15/46 (Advanced/Invention)

CPC: A61F13/8405 A61F13/531 A61F13/49007 A61F13/515 A61F13/539 A61F13/58 A61L15/46 A61L15/18 A61L15/28 A61F2013/5315 A61F2013/8408 A61F2013/49093 A61F2013/5395 A61F2013/8423 A61F2013/8429 A61L2300/108 A61F13/53747 A61F2013/53472 A61F2013/842



Family:

Publication number	Publication date	Application number	Application date
US2017165134 AA	20170615	US20160372492	20161208
WO17100440 A1	20170615	WO2016US65603	20161208

Priority:

US20150265438P 20151210 US20160372492 20161208

Probable Assignee: PROCTER AND GAMBLE

Assignee(s): (std): PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO

Inventor(s): (std): CHEESEMAN WILLIAM WINFIELD ; JENNEWEIN MARC ; LIU ZAIYOU ; MILLER KRISTIN HOFMANN ; REZAI EBRAHIM ; TEE JOHANNSSON JIMMY JR ; TEE JR JOHANNSSON JIMMY ; VAN DE KLUGT WALTER ; WENE MELISSA JANE

Inventor(s): TEE

Agent(s): KREBS JAY A

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW