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Search 1: FT=(seal* and packag* and unit) (Results 191032)
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Search 4: FT=(seal* and packag* and unit and hygiene and method) and IC=(A61F) (Results 988)

1) Family number: 15678965 (US2004238380A)

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PACKAGING FOR DISPOSABLE SOFT CONTACT LENSES

Abstract: Source: US2004238380A The present invention provides a contact lens **package** in which the overall internal depth of the **package** is less than the natural sagittal depth of the contact lens. Different single-use contact lens **package** shapes and configurations may be used. In some embodiments, a spring disc is included in the **packages** to help present the contact lens to the user when the **package** is opened. The contact lens **packages** may be adhered or clipped to a card or other carrier sheet, and may be housed in a number of different secondary **packages**.

Probable Assignee: MENICON SINGAPORE PTE LTD

Earliest Publication Date: 20030227

2) Family number: 30774877 (US2003107149A)

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THIN FILM WITH NON-SELF-AGGREGATING UNIFORM HETEROGENEITY AND DRUG DELIVERY SYSTEMS MADE THEREFROM

Abstract: Source: US2003107149A The invention relates to the film products and **methods** of their preparation that demonstrate a non-self-aggregating uniform heterogeneity. Desirably the films disintegrate in water and may be formed by a controlled drying process, or other process that maintains the required uniformity of the film.

Probable Assignee: MONOSOL RX LLC

Earliest Publication Date: 20030417

3) Family number: 29997444 (US2002046550A)

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PACKAGING A STRIP OF MATERIAL WITH COMPRESSION TO REDUCE VOLUME

Abstract: Source: US2002046550A A **package** has at least one stack of a strip of material repeatedly folded back and forth so that the stack contains a plurality of folded overlying strip portions of the strip. Each strip portion is folded relative to one next adjacent strip portion about a first fold line transverse to the strip and relative to a second next adjacent strip portion about a second fold line transverse to the strip and spaced from the first fold line. The strip portions form a plurality of first fold lines at each end of the stack. The stack can be arranged substantially upright and has a splice tail portion of the strip extending from the bottom strip portion beyond an end of the stack to be accessible for splicing. The entire top surface and the entire bottom surface of the stack is compressed from an external force in a direction at right angles to the top surface and the bottom surface of the stack. The stack is engaged by **packaging** which maintains the compression.

Probable Assignee: BUCKEYE TECHNOLOGIES INC

Earliest Publication Date: 19981223

4) Family number: 32355844 (US2007264481A)

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ISOLATED AND FIXED MICRO AND NANO STRUCTURES AND **METHODS** THEREOF

Abstract: Source: US2007264481A Discrete micro and nanoscale particles are formed in predetermined shapes and sizes and predetermined size dispersions. The particles can also be attached to a film to form arrays of particles on a film. The particles are formed from molding techniques that can include high throughput and continuous particle molding.

Probable Assignee: LIQUIDIA TECHNOLOGIES INC

Earliest Publication Date: 20051027

5) Family number: 42439007 (US2008269851A)

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SYSTEMS AND **METHODS** FOR CREATING AN EFFECT USING MICROWAVE ENERGY TO SPECIFIED TISSUE

Abstract: Source: US2008269851A Systems, **methods** and devices for creating an effect using microwave energy to specified tissue are disclosed. A system for the application of microwave energy to a tissue includes a signal generator adapted to generate a microwave signal having predetermined characteristics, an applicator connected to the generator and adapted to apply microwave energy to tissue. The applicator includes one or more microwave antennas and a tissue interface, a vacuum source connected to the tissue interface, a cooling source connected to the tissue interface, and a controller adapted to control the signal generator, the vacuum source, and the coolant source. The tissue includes a first layer and a second layer, the second layer below the first layer. The controller is configured so that the system delivers energy such that a peak power loss density profile is created in the second layer.

Probable Assignee: MIRAMAR LABS INC

Earliest Publication Date: 20081030

6) Family number: 28274374 (US2002104271A)

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MODULAR PATIENT ROOM

Abstract: Source: US2002104271A A modular patient room includes a plurality of modular wall panels or **units** having various configurations. In some embodiments, the modular wall **units** have water dispensers. Headwall **units** having water dispensers are also disclosed. The water dispensers are configured to filter water or to sterilize water.

Probable Assignee: WITTRICK ENTERPRISES LLC

Earliest Publication Date: 20020618

7) Family number: 31485649 (US2005058689A)

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ANTIFUNGAL PAINTS AND COATINGS

Abstract: Source: US2005058689A Antifungal and antibacterial peptides, polypeptides and proteins as antifungal additives for paint and other coatings are disclosed, along with antifungal compositions, and coated surfaces with antifungal properties. **Methods** of using the coatings for treating and/or inhibiting growth of mold, mildew and other fungi and bacteria on objects such as building materials that are susceptible to such infestation are also disclosed.

Probable Assignee: REACTIVE SURFACES LTD LLP

Earliest Publication Date: 20050127

8) Family number: 42908917 (US2009036858A)

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BODY ADHERING ABSORBENT ARTICLE

Abstract: Source: US2009036858A The present invention provides a body adhering absorbent articles which is capable of absorbing bodily fluids. In particular embodiment of the present invention, provided is an absorbent article which is specifically designed for attachment to a wearer's skin in the vulva region of the wearer's torso.

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Earliest Publication Date: 20090205

9) Family number: 59104635 (US2016228309A)

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PACKAGING UNIT HAVING IMPROVED SEALING AND A METHOD OF FORMING A PACKAGING UNIT HAVING IMPROVED SEALING

Abstract: Source: US2016228309A A **packaging unit** for **hygiene** articles is formed from a sheet of material having an inner surface and an outer surface. The inner surface includes an edge zone including an inner edge portion and an outer edge portion. The sheet has at least one folding axis dividing the sheet into a first region and a second region. The inner edge portion and the outer edge portion of the edge zone of the first region is provided with adhesive, and the other of the inner edge portion and the outer edge portion of the edge zone of the first region is adhesive-free. Further, one of the inner edge portion and the outer edge portion of the edge zone of the second region is provided with adhesive, and the other is adhesive-free in a complementary manner to the edge zone of the first region.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20150430

10) Family number: 62326660 (US2016129626A)

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METHODS FOR MAKING PATTERNED APERTURED WEBS

Abstract: Source: US2016129626A A **method** of producing a patterned apertured web is provided. The **method** comprises providing a web having a central longitudinal axis. The web comprises a plurality of overbonds extending substantially parallel to the central longitudinal axis. The **method** comprises conveying the web in a machine direction that is substantially parallel to a direction of extension of the central longitudinal axis of the web. The **method** comprises stretching the web in a cross-machine direction to cause at least some of the overbonds to at least partially rupture and at least partially form patterned apertures in the web. At least some of the patterned apertures have Absolute Feret Angles, according to the Aperture Test herein, of at least about 20 degrees. At least some of the patterned apertures have an Aspect Ratio, according to the Aperture Test herein, in the range of about 2:1 to about 6:1.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20160512

11) Family number: 30083018 (US2002017310A)

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SEMI-ENCLOSED APPLICATOR FOR DISTRIBUTING A SUBSTANCE ONTO A TARGET SURFACE

Abstract: Source: US2002017310A A semi-enclosed applicator for distributing a substance onto a target surface including a first side having a first internal surface and a first external surface, a second side having a second internal surface and a second external surface, an internal cavity between said first and second sides, at least one externally accessible opening, and a flexible film reservoir containing a product. At least a portion of the flexible film reservoir of said flexible film reservoir is disposed between said external surfaces of said first side and said second side.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20010419

12) Family number: 61861345 (US2016074237A)

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PROCESS FOR MAKING AN ABSORBENT ARTICLE COMPRISING A TOPSHEET/ACQUISITION LAYER LAMINATE

Abstract: Source: US2016074237A A process of making an absorbent article comprising the steps of providing a liquid permeable topsheet web extending substantially continuously in a machine direction, the topsheet web having a first and second surface, a liquid impermeable backsheet web extending substantially continuously in the machine direction and an acquisition layer having a first and second surface. The topsheet web and the acquisition layer comprise fibers. The process comprises the step of aligning the topsheet web and the acquisition layer in a face to face relationship such that the second surface of the topsheet web is in contact with the first surface of the acquisition layer. The process comprises the step of simultaneously mechanically deforming and combining the topsheet web together with the acquisition layer to provide a topsheet/acquisition layer laminate web having three-dimensional protrusions.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20160317

13) Family number: 31728747 (US2005100754A)

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AQUEOUS DISPERSION, ITS PRODUCTION **METHOD**, AND ITS USE

Abstract: Source: US2005100754A Aqueous dispersions including at least one thermoplastic resin; at least one dispersing agent; and water; wherein the dispersion has a pH of less than 12 are disclosed along with dispersions including at least one thermoplastic resin; at least one dispersing agent; and water wherein the dispersion has a volume average particle size of less than about 5 micro m. Some dispersions include less than about 4 percent by weight of the dispersing agent based on the weight of the thermoplastic resin. Other dispersions include at least one propylene-rich alpha-olefin interpolymers; at least one dispersing agent; and water. **Methods** of making such dispersions are also described.

Probable Assignee: DOW GLOBAL TECHNOLOGIES LLC

Earliest Publication Date: 20050310

14) Family number: 55049112 (US2015112294A)

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PACKAGING UNIT HAVING IMPROVED **SEALING** PROPERTIES

Abstract: Source: US2015112294A A **packaging unit** formed from a sheet of material having an inner surface, an outer surface and one folding axis dividing the sheet into a first region and a second region. The inner surface includes an inner edge portion and an outer edge portion, wherein one of the inner edge portion and the outer edge portion of the edge zone of the first region is provided with adhesive, and the other of the inner edge portion and the outer edge portion of the edge zone of the first region is adhesive-free. One of the inner edge portion and the outer edge portion of the edge zone of the second region is provided with adhesive, and the other of the inner edge portion and the outer edge portion of the edge zone of the second region is adhesive-free in a complementary manner to the edge zone of the first region.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20131031

15) Family number: 50440401 (US2012021026A)

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DISSOLVABLE FIBROUS WEB STRUCTURE ARTICLE COMPRISING ACTIVE AGENTS

Abstract: Source: US2012021026A The personal care compositions of the present invention are in the form of an Article comprising a dissolvable fibrous web structure. The fibers of the dissolvable fibrous web structure comprise a surfactant; a water soluble polymeric structurant; and a plasticizer. Additionally the ratio of the water soluble water soluble polymeric structurant to the active agent in the fiber is 3.5 or less.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20120105

16) Family number: 55131909 (US2013304008A)

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OSTOMY APPLIANCE

Abstract: Source: US2013304008A Ostomy appliance components for cleaning and related maintenance of a surgical stoma. Components take the form of attachments, inserted elements, and/or separate parts in contact with ostomy ports, wafers, and/or other connecting components.

Probable Assignee: B BRAUN MEDICAL SAS

Earliest Publication Date: 20131114

17) Family number: 49133128 (US2011155628A)

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PACK OF ORAL CARE ITEMS

Abstract: Source: US2011155628A A pack of oral care items that allows for simultaneous opening and easy access to the items contained in the pack. The pack of oral care items includes two or more flexible **packages**. The flexible **packages** may be arranged in parallel. One flexible **package** may be an inner **package** that is located substantially within another flexible **package** that forms an outer **package**. The inner **package** may include an integral burst pouch configured to release a liquid into an interior space of the outer **package** while keeping the interior space of the inner **package** dry. Each flexible **package** includes a frangible region located at or adjacent a top portion and at least one oral care item is disposed within an interior space of each flexible **package**. At least one fastening means joins the flexible **packages** together into a substantially unitary pack so the frangible regions are juxtaposed and the top portions of the **packages** are aligned to allow for opening simultaneously by applying a force to the frangible regions to open the flexible **packages**. Upon opening of the top portions of the flexible **packages**, the central portions of the flexible **packages** are configured for axial movement simultaneously toward the bottom portions to expose at least the tops of the oral care items so they can be readily grasped by a user.

Probable Assignee: AVENT INC

Earliest Publication Date: 20110630

18) Family number: 30283988 (US2004028268A)

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WEB GUIDING SYSTEM AND METHOD

Abstract: Source: US2004028268A Systems and **methods** for guiding one or more web components in connection with a web converting manufacturing process such as that used for manufacturing disposable absorbent garments. Some of the disclosed embodiments include relating inspection data, such as product (or process) attribute data, to data from other manufacturing-related systems. Also disclosed are systems and **methods** for linking product (or process) attribute data obtained during the manufacturing process with one or more data sources including raw material data, process setting data, product quality data, and/or productivity data. Also disclosed are systems and **methods** for identifying manufacturing set point changes and automatically implementing such changes and automated web steering changes based on data from one or more inspection systems.

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Earliest Publication Date: 20040212

19) Family number: 32400556 (US2005256484A)

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METHOD OF USING AN INTRAVAGINAL DEVICE WITH FLUID TRANSPORT PLATES

Abstract: Source: US2005256484A A **method** of capturing bodily fluid intravaginally providing an intravaginal device that has a fluid storage element having a longitudinal axis and is in fluid communication with at least one fluid transport element. The **method** involves providing at least one fluid transport element that is bendable about an axis substantially parallel to the longitudinal axis of the fluid storage element and positioned within a human vagina.

Probable Assignee: JOHNSON AND JOHNSON CONSUMER INC

Earliest Publication Date: 20051117

20) Family number: 61132571 (US2017190489A)

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A PACKAGING UNIT FOR HYGIENE ARTICLES AND A METHOD OF FORMING A PACKAGING UNIT

Abstract: Source: US2017190489A A **packaging unit** (301) for **hygiene** articles that is formed from a sheet of material having an inner surface (302) comprises an edge zone (304) comprising an inner edge portion (305, 308) and an outer edge portion (306, 307). At least one of the outer and inner edge portions comprises at least one region provided with a resealable adhesive (12). The sheet has at least one folding axis (309, 309') dividing said sheet into a first and second regions region. The sheet is folded about said at least one folding axis with said first and second regions in an overlapping configuration, thereby providing a **packaging unit**. Overlapping outer edge portions of the sheet layers are at least partly adhesive-free and are at least partially connected to each other by a mechanical interaction providing a **sealing** strength of 0.2 to 1.5 N. A **method** for forming the **packaging unit** is provided.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20151217

21) Family number: 46842448 (US2010230857A)

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PROCESS FOR MAKING AN EMBOSSED WEB

Abstract: Source: US2010230857A A process for making an embossed web. A precursor web is provided between a forming structure and a compliant substrate. The forming structure has a plurality of discrete apertures or depressions. Pressure is provided between the compliant substrate and the forming structure to force the precursor web into the apertures or depressions of forming structure to form the embossed web. The resulting embossed web has a plurality of discrete extended elements.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20100916

22) Family number: 47788254 (US2012303882A)

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USB MEMORY DEVICE

Abstract: Source: US2012303882A A flash memory drive comprising: a male USB connector; a female USB connector; a flash memory chip to store file data; a computing processor, operatively connected to the flash memory chip, to manage transfers of data to and from the flash memory chip; and a changeover switch, operatively connected to the computing processor, to connect the computing processor to one of the male USB connector and the female USB connector; wherein there is no data communication link between the male USB connector and the female USB connector when the changeover switch is connected to one of the male USB connector and the female USB connector.

Probable Assignee: OPX BIOTECHNOLOGIES INC

Earliest Publication Date: 20110323

23) Family number: 61132570 (US2017151105A)

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A **PACKAGING UNIT** FOR **HYGIENE** ARTICLES AND A **METHOD** OF FORMING A **PACKAGING UNIT**

Abstract: Source: US2017151105A A **packaging unit** for **hygiene** articles, the **unit** being formed from a sheet of material having a longitudinal direction and a transverse direction. The sheet has an inner surface and an outer surface. The inner surface includes an edge portion being provided with a resealable adhesive for closure of the **packaging unit**. Furthermore, the sheet has at least one transversely extending folding axis dividing said sheet into a first region and a second region. The sheet is provided with at least one sync mark for indication of a positioning of the sheet of material during manufacturing of the **packaging unit**, the sync mark being provided on the outer surface. A blank and a **method** for forming the **packaging unit** are also provided.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20151217

24) Family number: 44967616 (US2011196371A)

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DEVICE AND **METHOD** FOR BONE ADJUSTMENT WITH ANCHORING FUNCTION

Abstract: Source: US2011196371A A **method** and a device for bone adjustment in a mammal is presented, wherein a device is implanted in the medullary cavity of a bone in the body of said mammal, said device being a device exerting a force to anchoring devices anchored ins aid bone. The **method** and device has utility in therapeutic and cosmetic bone adjustments, including the lengthening, reshaping and realigning of bones, for example in the correction of congenital deformations, restorative orthopaedic surgery and the like.

Probable Assignee: KIRK PROMOTION LTD

Earliest Publication Date: 20100506

25) Family number: 20705447 (US5827251A)

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FEMININE SANITARY PROTECTION **PACKAGING** ARTICLE AND **METHOD**

Abstract: Source: US5827251A A feminine sanitary protection **packaging** is disclosed which includes a **packaging** article and **method**. The feminine sanitary protection **packaging** provides a vaginal insert or insert applicator and a panty liner configured to fit the pudendal region of a woman. The panty liner is rolled laterally to form a laterally rolled combination panty liner and vaginal insert or insert applicator. A pouch is positioned around the laterally rolled panty liner and vaginal insert or insert applicator combination. The pouch provides a means for transporting and disposing of the laterally rolled combination panty liner and vaginal insert or insert applicator. In one aspect, the vaginal insert includes a tampon or a vaginal suppository. In another aspect, the vaginal insert applicator includes a tampon applicator or a vaginal suppository applicator. In still another aspect, the pouch is **sealed** and optionally can be perforated on at least one closed end for ease in opening. The pouch can be formed from the release strip of the panty liner and can be **sealed** around the laterally rolled panty liner and vaginal insert or insert applicator combination.

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Earliest Publication Date: 19981027

26) Family number: 61132565 (US2017129674A)

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A **PACKAGING UNIT** HAVING IMPROVED **SEALING**, AND A **METHOD** FOR FORMING SUCH A **PACKAGING UNIT**

Abstract: Source: US2017129674A A **packaging unit** for **hygiene** articles is formed from a sheet having a folding axis dividing the sheet into first and second regions. One of the inner edge portion and the outer edge portion of the edge zone of the first region is provided with resealable adhesive, thus forming a first adhesive zone. The other of the inner edge portion and the outer edge portion is adhesive-free. The inner edge portion or the outer edge portion of the edge zone of the second region corresponding to the adhesive-carrying edge portion of the first region is adhesive-free, such that when the sheet is folded about the folding axis, the edge portions carrying resealable adhesive in the first region are brought in contact with the adhesive-free edge portions in the second region. A distance between the at least one first folding axis and the first adhesive zone is 1-20 mm.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20151216

27) Family number: 29020482 (US2003163120A)

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AUTOMATIC BLADDER RELIEF SYSTEM

Abstract: Source: US2003163120A This invention relates to an automatic or semi-automatic bladder relief system, specifically designed to increase the overall sanitation and comfort for users that may require a means to dispose of their urine in the absence of other sanitary facilities due to situations such as aircraft pilots and incontinent individuals.

Probable Assignee: MARK R

Earliest Publication Date: 20030828

28) Family number: 32067645 (ZA200605270A)

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PACKAGING UNIT FOR ABSORBENT ARTICLES

Abstract: **Packaging unit** (17) for absorbent articles (1), comprising a number of folded absorbent articles (1) arranged with their folded edges (41) placed head to tail in the **packaging unit** (17), the folded edges (41) arranged at one side (18) of the **packaging unit** (17) being situated at different distances from said side (18), and the folded edges (41) arranged at the opposite side (20) of the **packaging unit** being situated at different distances from said opposite side (20) of the **packaging unit** being situated at different distances from said opposite side (20).

Probable Assignee: SCA HYGIENE PROD AB

Earliest Publication Date: 20050714

29) Family number: 30085359 (US2002015720A)

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POLYMER BLENDS AS BIODEGRADABLE MATRICES FOR PREPARING BIOCOMPOSITES

Abstract: Source: US2002015720A The present invention provides bioerodable constructs for controlled release of bioactive materials. In a preferred mode, the constructs may be utilized adjacent to a biological surface. The constructs are based on a blend of two or more poly(ester-amide) polymers (PEA). Such polymers may be prepared by polymerization of a diol (D), a dicarboxylic acid (C) and an alpha-amino acid (A) through ester and amide links in the form (DACA)_n. An example of a (DACA)_n polymer is shown below in formula II. Suitable amino acids include any natural or synthetic alpha-amino acid, preferably neutral amino acids.

Probable Assignee: INTRALYTIX INC

Earliest Publication Date: 20010719

30) Family number: 43543231 (US2011017628A)

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METHOD FOR MAKING PACKAGE-ABSORBENT ARTICLE ASSEMBLY AND PACKAGE-ABSORBENT ARTICLE ASSEMBLY OBTAINED BY THE SAME

Abstract: Source: US2011017628A The present invention includes following the steps of: In a first step, first and second breast milk absorbent pads 2(i), 3(i) are fed onto wrapping sheet web 29. In a second step, the first breast milk absorbent pad 2(ii) is fed so as to be displaced from a transverse center line 32 toward an upper end 30 by ¼ of a dimension H thereof as measured in a longitudinal direction Y, and the second breast milk absorbent pad 2(ii) is fed so as to be displaced from a transverse center line 32 toward a lower end 30 by ¼ of a dimension H thereof as measured in a longitudinal direction Y. In a third step, the first and second breast milk absorbent pads 2, 3(iii) are respectively folded back from the upper and lower ends 30, 31 toward the transverse center line 32 in two-ply fashion. In a fourth step, the upper and lower ends of the wrapping sheet web 29 are folded back toward the transverse center line 32. In a fifth step, a joint zone 20 is formed between the first and second breast milk absorbent pads 2, 3(v) and these two pads 2, 3(v) is cut apart along a cutting line 33.

Probable Assignee: UNI CHARM CORP

Earliest Publication Date: 20090723

31) Family number: 61132567 (US2018042790A)

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A PACKAGING UNIT HAVING IMPROVED SEALING AND A USER PROMPTING DEVICE, AND A METHOD FOR FORMING SUCH A PACKAGING UNIT

Abstract: Source: US2018042790A The present disclosure provides a packaging unit for hygiene articles and a method for forming such a unit. The packaging unit has a first packaging function as a packaging wrap for a non-used article, and a second disposal function as a disposal wrap for a used article. The packaging unit further comprises a user prompting device having a wrap-facing surface and a user-facing surface, wherein the user prompting device is permanently attached to the wrap such that at least a portion of the wrap-facing surface of the user prompting device is in contact with the inner surface of the wrap. The user prompting device is arranged to prompt the user to employ the second disposal function of the packaging unit.

Probable Assignee: SCA HYGIENE PROD AB

Earliest Publication Date: 20151217

32) Family number: 61132569 (US2017151106A)

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A PACKAGING UNIT FOR HYGIENE ARTICLES AND A METHOD OF FORMING A PACKAGING UNIT

Abstract: Source: US2017151106A A packaging unit for hygiene articles, the unit being formed from a sheet of material having an inner surface, said inner surface comprising an edge portion being provided with a resealable adhesive for closure of the packaging unit. The sheet has a longitudinal center line and at least one transversely extending folding axis dividing the sheet into a first region and a second region. A tab is arranged at an edge portion of the first region. The tab extends in a longitudinal direction from said edge portion so that an extension of the tab along or parallel to the center line from a tab base to an outer edge of the tab is 0.5 cm or more. A method of forming the packaging unit is also provided.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20151216

33) Family number: 50536202 (US2013226120A)

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ABSORBENT STRUCTURE

Abstract: Source: US2013226120A The present invention relates to an absorbent structure, preferably for use in absorbent products, such as used in the food, consumer, household, building and construction, beauty and medical industry, and as used in the personal hygiene industry. The substantially cellulose free absorbent structures continuously immobilise absorbent polymer material via initial smaller pockets and subsequently larger compartments allowing excellent fluid management of the absorbent polymer material in dry, partially and fully liquid loaded state. Preferably such absorbent structure volume increases are result of temporary secondary attachment patterns made in combination with substantially permanent primary attachment grids allowing the release of bigger volumes from the initial smaller volumes by detachment of the secondary attachments. Furthermore the absorbent structure according to an embodiment of the invention non-homogeneously swells to form a liquid-managing surface structure as a result of exposing the absorbent structure to liquid. The present invention foresees in the need for improved flexible, thin, lightweight absorbent structures which overcome the absorbency problems of the prior art during absorption, distribution and retention of liquids with optimal fit.

Probable Assignee: DRYLOCK TECHNOLOGIES NV

Earliest Publication Date: 20111222

34) Family number: 28677850 (US2001048991A)

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COMPOSITIONS FOR FLEXIBLE OPTICAL MEDIA DISCS

Abstract: Source: US2001048991A The present invention is related to flexible information-carrying substrates, such as optical media discs, which can withstand the stresses of being handled, processed and deformed, yet maintain enough integrity and properties such that it can still be read without the use of a rigid adapter.

Probable Assignee: DOW CHEMICAL CO

Earliest Publication Date: 20001221

35) Family number: 56342819 (US2014121623A)

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ABSORBENT ARTICLE

Abstract: Source: US2014121623A An absorbent article having improved handling of body exudates. The absorbent article can minimize the amount of body exudates in contact with a wearer's skin and can minimize the incidence of leakage of body exudates from the absorbent article.

Probable Assignee: COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION

Earliest Publication Date: 20140501

36) Family number: 30377565 (US2002083956A)

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PHYSICAL IMPROVEMENTS IN COATED MONOFILAMENT DENTAL TAPES

Abstract: Source: US2002083956A Disclosed are coated monofilament dental tapes with physical improvements including patient-friendly edges and self-indicating releasable coatings.

Probable Assignee: WHITEHILL ORAL TECHNOLOGIES INC

Earliest Publication Date: 20020228

37) Family number: 32582037 (US2006021695A)

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PROCESS FOR PRODUCING ABSORBENT CORE STRUCTURES

Abstract: Source: US2006021695A The present invention is **method** for forming a sandwich structure having a pattern of particulate material enveloped between a carrier material and a cover material. The **method** allows accurate forming of pre-determined pattern at high production speed. Such a **method** is particularly useful in the manufacture of disposable absorbent articles, such as baby diapers.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20060201

38) Family number: 50927776 (US2012089081A)

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PIEZOELECTRIC ELEMENT DRIVER

Abstract: Source: US2012089081A The invention teaches a palm-held massage device which includes a driver that drives one or more massage elements which provides massage vibrations in one or more ultrasonic and subsonic frequencies, a controller that provides commands to the driver, a signal generator that provides frequency references to the driver, a power supply coupled to a contactless charger, and a specimen dispensing system.

Probable Assignee: LA PIERRES INC

Earliest Publication Date: 20120412

39) Family number: 41515607 (US2009175927A)

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ADMINISTRATION OF CELLS AND CELLULAR EXTRACTS FOR REJUVENATION

Abstract: Source: US2009175927A The invention describes **methods** and agents for improving cosmetic appearance, for promoting, improving or restoring health of cells and tissues, preferably skin, and more preferably, for restoring aged or damaged skin to a healthy appearance. This invention relates to the use of cells and cellular extracts in rejuvenation and healing technologies thereby improving healing and regeneration of all bodily tissues and organs. The present invention relates to compositions and **methods** of managing, preventing, and treating scars. The invention also relates to prevention of deterioration, damage and malfunction of cells and tissues, and to promote, improve or exceed cellular function in order to promote, improve and exceed appearance, vitality and health. In some embodiments, the invention relates to compositions of cells, eggs, cell extracts, egg extracts, and extract components such as purified nucleic acids, polypeptides, lipids, carbohydrates or other natural products. Said components can also be synthesized. In other embodiments, the cells are differentiable cells preferably stem cells or eggs. In some embodiments, compositions are used in a **method** that comprises application of compositions to tissues, including skin and/or wounds after removal of tissue surface layers. In other embodiments, the invention relates to **methods** of dedifferentiation of cells and/or dedifferentiation followed by differentiation. In other embodiments, the invention relates to managing, preventing, and treating skin diseases.

Probable Assignee: REGENICS AS

Earliest Publication Date: 20080221

40) Family number: 32067646 (ZA200605265A)

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PACKAGING UNIT FOR ABSORBENT ARTICLES

Abstract: **Packaging unit** (17) for absorbent articles (1) comprising a number of folded articles (1), the folded parts (11) of the articles being arranged towards one of the sides (18) of the **packaging unit**, but a different distances from said side (18).

Probable Assignee: SCA HYGIENE PROD AB

Earliest Publication Date: 20050714

METHOD OF HYDRATION; INFUSION PACKET SYSTEM(S), SUPPORT MEMBER(S), DELIVERY SYSTEM(S), AND METHOD(S); WITH BUSINESS MODEL(S) AND METHOD(S)

Abstract: Source: US2002012689A Liquid activated infusion packet(s)/system, promoting hydration, containing active and/or inactive ingredients and/or a support member(s). Infusion Packet(s)/System is one or more individual compartments, and/or group(s), whereby the enveloping material(s) may be totally or partially dissolvable, edible, transparent, opaque, decorated, etc. Further, including of one or more: color(s), flavor(s), aroma(s), pharmaceutical(s), nutraceutical(s), dietary supplement(s), enzyme(s), pre/pro-biotic(s), amino-acid(s), soluble-fiber(s), diagnostic agent(s) etc. regardless of form, +/- effervescence, +/- uniform/controlled-release encapsulations into liquid for humans and/or animals. Enveloping material may be in whole and/or in combination; non-synthetic/porous, and/or synthetic porous/non-porous with deliberate perforations. Infusion Packet(s)/System +/- tag, support member for assistance, consumer compliance: promotion, advertising, education, entertainment, (toy/game), etc. Manual and/or power operated parts, lights, noise, etc. Additionally incorporated; unique business modalities with test market opportunities and/or the ability to provide income and/or esteem for the health challenged.

Probable Assignee: SUZANNE STILLMAN

Earliest Publication Date: 20010619

METHODS AND COMPOSITIONS FOR TISSUE REGENERATION

Abstract: Source: US2002048563A The present invention provides the use and composition of matter of angiogenic or other growth factors expressed by combining various types and stages of differentiation of allogeneic human cell strains or lines in unencapsulated pastes (mixed with or applied to extracellular matrix material or synthetic biocompatible substances) to be temporarily applied to wounds or defects in the skin or other tissues for the restoration of blood supplying connective tissue to enable organ-specific cells to reestablish organ integrity as well as to inhibit excessive scar formation.

Probable Assignee: SMITH AND NEPHEW INC

Earliest Publication Date: 20020307

COMBINATION CONDOM AND PERSONAL LUBRICANT CONTAINER

Abstract: Source: US2010236948A The present invention comprises articles of manufacture including a disposable condom and personal container 10 comprising a condom compartment 20 enclosing one or more condoms immersed in either a personal lubricant or sexually stimulating lubricant removably adjoined to at least one lubricant compartment 30. The compartments are constructed of a **packaging** material comprising properties that conduct heat and hermetically **sealed**. The condom compartment 20 comprises a **seal** 25, 28, 29 positioned on the top wall 21 that is removed or opened for the purpose of gaining access to the contents. The **seal** 28, 29 may be reattached or closed. The personal lubricant compartment 30 comprises a discharge element 43 through which the contents of the compartment are discharged by activating a removable dispenser that fits within the element 43. Prior to discharging the contents, a protective **seal** 45 enclosed within the element 43 is ruptured. The contents of the compartments 20, 30 may be heated by a device in which the compartments are seated. The temperature of the contents may be monitored with the aid of a temperature sensing aid 14. The container 10 comprises perforations 12 used to detach the compartments. The primary object of the invention is to encourage the use of condoms in sexual activities thereby reducing the spread of disease, including the human immunodeficiency virus (HIV), which may result in AIDS, and reducing the risk of pregnancy.

Probable Assignee: MADIGAN STEPHEN J

Earliest Publication Date: 20080717

CYANOACRYLATE-BASED LIQUID MICROBIAL SEALANT DRAPE

Abstract: Source: US2010112036A The invention relates to **methods** of using compositions for forming microbial **sealant** drapes. In particular, the invention relates to the use of compositions of combinations of cyanoacrylates for the in situ formation of drapes that can be used in surgery to protect patients from surgical site infections.

Probable Assignee: ADHEZION BIOMEDICAL LLC

Earliest Publication Date: 20100506

METHOD FOR VARYING THE PACKAGING ON HOMOGENOUS PRODUCTS AND PRODUCTS PACKAGED EMPLOYING THE METHOD

Abstract: Source: US2002046079A The invention provides a **method** for **packaging** homogenous products and the products **packaged** thereby. The **method** varies the images appearing on **packages** of the products to attract, increase, or retain consumer interest. The **method**'s object is to make it statistically likely to a degree acceptable to the user that the images on the product **package** seen by the consumer are different. The **method** involves selecting a number of **packages** the consumer will purchase without seeing the same image repeated. The number can be selected by any appropriate technique. A group of images is selected appropriate to the product involved, and one image is placed on each **package**. The **method** can be used simultaneously on the individual **packages**, the consumer **packages**, and the cartons of consumer **packages**. The **method** further varies the images by periodically changing them based upon the consumer purchasing characteristics and by using statistical and probability tools.

Probable Assignee: STAVRULOV IGOR ANATOL EVICH

Earliest Publication Date: 19981220

METHOD FOR DETERMINING PROPERTIES OF SUPERABSORBENT POLYMER PARTICLES AND OF

ABSORBENT STRUCTURES CONTAINING SUCH PARTICLES

Abstract: Source: US2012318046A A **method** for determining the time dependent effective permeability and the uptake kinetics of hydrogel-forming superabsorbent polymer particles under pressure.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20121219

47) Family number: 63372780 (US2017021171A)

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SYSTEMS AND **METHODS** FOR ENABLING APPETITE MODULATION AND/OR IMPROVING DIETARY COMPLIANCE USING AN ELECTRO-DERMAL PATCH

Abstract: Source: US2017021171A A wearable device for suppressing appetite or hunger in a patient includes a microprocessor, electrical stimulator and at least one electrode configured to deliver electrical stimulation to the epidermis, through a range of 0.1 mm to 10 mm or a range of 0.1 mm to 20 mm of the dermis, of a T2 frontal thoracic dermatome to a T12 frontal thoracic dermatome or meridian of the patient and/or front or back, C5-T1 dermatome across the hand and/or arm, and/or the upper chest regions. The device includes a pad, in which the electrode is disposed, for secure placement of the device on a skin surface of a patient. The device is adapted to provide electrical stimulation as per stimulation protocols and to communicate wirelessly with a companion control device configured to monitor and record appetite patterns of the patient. The control device is also configured to monitor, record, and modify stimulation parameters of the stimulation protocols.

Probable Assignee: ELIRA INC

Earliest Publication Date: 20160901

48) Family number: 41912225 (US2008269105A)

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DELIVERY OF DRUGS

Abstract: Source: US2008269105A Formulations of drugs and crystalline side chain polymers to provide controlled and/or sustained release drug formulations.

Probable Assignee: LANDEC CORP

Earliest Publication Date: 20080612

49) Family number: 15298634 (US2003003107A)

© PatBase

TOPICAL COMPOSITIONS CONTAINING PROBIOTIC BACILLUS BACTERIA, SPORES, AND EXTRACELLULAR PRODUCTS AND USES THEREOF

Abstract: Source: US2003003107A The present invention discloses compositions derived from an isolated Bacillus species, spores, or an extracellular product of Bacillus coagulans comprising a supernatant or filtrate of a culture of said Bacillus coagulans strain, suitable for topical application to the skin or mucosal membranes of a mammal, which are utilized to inhibit the growth of bacterium, yeast, fungi, virus, and combinations thereof. The present invention also discloses **methods** of treatment and therapeutic systems for inhibiting the growth of bacterium, yeast, fungi, virus, and combinations thereof, by topical application of therapeutic compositions which are comprised, in part, of isolated Bacillus species, spores, or an extracellular product of Bacillus coagulans comprising a supernatant or filtrate of a culture of said Bacillus coagulans strain. In addition, the present invention also discloses compositions, **methods** of treatment, and therapeutic systems for inhibiting the growth of bacterium, yeast, fungi, virus, and combinations thereof, comprising an extracellular product of Pseudomonas lindbergii comprising a supernatant or filtrate of a culture of said Pseudomonas lindbergii strain.

Probable Assignee: GANEDEN BIOTECH INC

Earliest Publication Date: 19981029

50) Family number: 28620308 (US2002136752A)

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PHARMACEUTICAL FORMULATIONS

Abstract: Source: US2002136752A The invention relates to pharmaceutical formulations for use in the administration of medicaments, in particular lipophilic medicaments, via mucosal surfaces.

Probable Assignee: GW PHARMA LTD

Earliest Publication Date: 20020822

51) Family number: 31418010 (US2004258910A)

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WATER-DISPERSIBLE AND MULTICOMPONENT FIBERS FROM SULFOPOLYESTERS

Abstract: Source: US2004258910A Disclosed are water-dispersible fibers derived from sulfopolyesters having a Tg of at least 25 degrees centigrade. The fibers may contain a single sulfopolyester or a blend of a sulfopolyester with a water-dispersible or water-nondispersible polymer. Also disclosed are multicomponent fibers comprising a water dispersible sulfopolyester having a Tg of at least 57 degrees centigrade and a water non-dispersible polymer. The multicomponent fibers may be used to produce microdenier fibers. Fibrous articles may be produced from the water-dispersible fibers, multicomponent fibers, and microdenier fibers. The fibrous articles include water-dispersible and microdenier nonwoven webs, fabrics, and multilayered articles such as wipes, gauze, tissue, diapers, panty liners, sanitary napkins, bandages, and surgical dressings. Also disclosed is a process for water-dispersible fibers, nonwoven fabrics, and microdenier webs. The fibers and fibrous articles have further applications in flushable personal care and cleaning products, disposable protective outerwear, and laminating binders.

Probable Assignee: EASTMAN CHEMICAL CO

Earliest Publication Date: 20041223

52) Family number: 53039351 (US2013042876A)

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SYSTEM AND **METHOD** FOR DELIVERING A THERAPY AND SENSING A BIOLOGICAL ACTIVITY IN

THE MOUTH

Abstract: Source: US2013042876A **Methods**, devices, and systems are disclosed for controlled delivery of a therapy, such as a stimulant, to a mouth of a subject via an oral device positioned in a secured configuration in the mouth. At least one of a tongue position stimulator (TST) and tongue position sensor (TSE) is provided, according to certain aspects. According to another aspect, a stimulus is delivered to the mouth and/or tongue via a mouthpiece secured to the subject's teeth. In another regard, a stimulus is delivered that generates a natural response to eliminate or reduce sleep disorders, such as for example at least one of snoring and obstructive sleep apnea.

Probable Assignee: SPLIT ROCK SCIENTIFIC INC

Earliest Publication Date: 20130221

53) Family number: 32396433 (US5489470A)

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BIODEGRADABLE COPOLYMERS AND PLASTIC ARTICLES COMPRISING BIODEGRADABLE COPOLYMERS

Abstract: Source: US5489470A The present invention relates to biodegradable PHA copolymers comprising at least two randomly repeating monomer **units**. The present invention further relates to a plastic article comprising a biodegradable copolymer, wherein the biodegradable copolymer comprises at least two randomly repeating monomer **units** (RRMU) wherein the first RRMU has the structure wherein R1 is H, or C1 or C2 alkyl, and n is 1 or 2; the second RRMU has the structure wherein R2 is a C4-C19 alkyl or alkenyl; and wherein at least 50 percent of the RRMUs have the structure of the first RRMU. The present invention further relates to an absorbent article comprising a liquid pervious topsheet, a liquid impervious backsheet comprising a film comprising a PHA of the present invention and an absorbent core positioned between the topsheet and the backsheet.

Probable Assignee: MUSTEK SYSTEMS INC

Earliest Publication Date: 19950803

54) Family number: 49642332 (US2014249495A)

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WOUND DRESSING AND **METHOD** OF TREATMENT

Abstract: Source: US2014249495A A wound dressing, a **method** of manufacturing a wound dressing, and a **method** of treating a patient are disclosed. The wound dressing may include an absorbent layer for absorbing wound exudate; and an obscuring element for at least partially obscuring a view of wound exudate absorbed by the absorbent layer in use.

Probable Assignee: SMITH AND NEPHEW PLC

Earliest Publication Date: 20130117

55) Family number: 44817343 (US2010081352A)

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POLYOLEFIN-BASED ELASTIC MELTBLOWN FABRICS

Abstract: Source: US2010081352A Disclosed herein is a process for forming a multilayer construction, and the multilayer constructions including at least one layer of an elastic meltblown fabric, the process comprising extruding one or more polyolefin polymer (e.g., a propylene- α -olefin copolymer) having a MFR from less than 90 dg/min through at least one die having a plurality of nozzles to form a plurality of continuous fibers, at least one die operating at a melt pressure from greater than 500 psi (3.45 MPa) to form at least one elastic meltblown fabric, and adhering the at least one elastic meltblown fabric to at least one extensible fabric.

Probable Assignee: EXXONMOBIL CHEMICAL PATENTS INC

Earliest Publication Date: 20100401

56) Family number: 40903602 (US2007287348A)

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BIAXIALLY STRETCHABLE OUTER COVER FOR AN ABSORBENT ARTICLE

Abstract: Source: US2007287348A An outer cover for use with an absorbent article having a layer of nonwoven fibrous material and optionally including a polymeric layer laminated or printed onto the layer of nonwoven fibrous material. The outer cover includes at least one plastic component and at least one elastic component in the nonwoven fibrous material and/or optional polymeric layer. The outer cover can have different structural combinations of spunbond fibers, meltblown fibers, and/or nanofibers. The combination of plastic and elastic components results in an outer cover that has favorable mechanical, physical, and aesthetic properties. The outer cover can be rendered either uniaxially or biaxially stretchable via a mechanical activation process.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20071213

57) Family number: 51884376 (US2012222685A)

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NON-SURGICAL **METHOD** AND SYSTEM FOR REDUCING SNORING

Abstract: Source: US2012222685A A **method**, system and device for addressing the reduction of snoring includes a removable or dissolvable strip of material that adhere to mucosal tissue of a person's soft palate to provide stiffening support therefore, thus reducing the occurrence of vibration of such tissue during sleep. Preferred embodiments include of a specially textured surface, either one both or at least the outer side of an adhesive strip (the side facing away from the mucosal tissue to which it is attached) that has anti-microbial characteristics, bioluminescent expressions, etc. and a surface topography that resists bioadhesion of undesired bacteria that are typically present in a human's mouth.

Probable Assignee: BARRECA JACK

Earliest Publication Date: 20120906

58) Family number: 41860732 (US2004091491A)

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IMMUNOSTIMULATORY COMPOSITIONS AND METHODS OF STIMULATING AN IMMUNE RESPONSE

Abstract: Source: US2004091491A The present invention provides immunostimulatory compositions that include an immune response modifier portion paired with an antigenic portion.

Probable Assignee: 3M CO

Earliest Publication Date: 20040422

59) Family number: 58394394 (US2015027624A)

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ABSORBENT ARTICLE HAVING A FASTENING SYSTEM

Abstract: Source: US2015027624A A **method** of manufacturing an absorbent article including a fastening system having a primary fastening system and a secondary fastening system is disclosed. In one embodiment, the **method** can include providing an absorbent assembly, providing a web of primary second fastening component material, and providing a carrier web including a secondary first fastening component material. The **method** can further include coupling the carrier web to the web of primary second fastening component material to form a composite web, cutting the composite web to form a discrete composite web component, and coupling the discrete composite web component to the outer cover of the absorbent assembly, with the discrete composite web component forming the primary second fastening component of the primary fastening system and the at least one secondary first fastening component of the secondary fastening system.

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Earliest Publication Date: 20150129

60) Family number: 42243767 (US2002016122A)

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ELASTIC LAMINATE WEB

Abstract: Source: US2002016122A An elastic laminate web is disclosed. The elastic laminate web can be non-apertured or apertured, and comprises a first web, and a second web joined to the first web in a face to face relationship at a plurality of discrete bond sites having an aspect ratio of at least 2. The first and second webs form an interior region therebetween. An elastic material is disposed between the first and second webs. The elastic material is apertured in regions coincident the bond sites, such that the first and second webs are joined through the apertures. The laminate so produced can be stretched in a predetermined direction, such as by incremental stretching, to produce an apertured elastic laminate.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20010628

61) Family number: 47768592 (US2010307114A)

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PACKAGING DEVICE AND METHOD FOR PACKING STACKED SOFT HYGIENIC PRODUCTS INTO A PLASTIC BAG

Abstract: Source: US2010307114A A **packaging** device for packing stacked soft hygienic products, e.g. sanitary napkins, panty liners or the like, into a plastic bag made of an endless film, has specific forming shoulder (21) and MD **sealing unit** (5) to produce a MD **seal** (35) at a closure edge (46) of the bag. Thus four integral side panels are available at the bag (WB) for imprinting.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20101208

62) Family number: 52122811 (US2013006154A)

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CONTROL UNIT FOR A THERAPY SYSTEM AND METHOD

Abstract: Source: US2013006154A A therapy system including a control **unit** for treatment of an animate body. The system includes a therapy wrap including at least one heat transfer device adapted to exchange heat with the animate body and a control **unit**. The control **unit** includes an input device for receiving an input signal, a processor for determining a treatment protocol based on the received input signal, and a controller for administering treatment to the animate body using the therapy wrap based on the determined treatment protocol. Also disclosed are **methods** of administering a temperature-controlled treatment to an animate body.

Probable Assignee: COOLSYSTEMS INC

Earliest Publication Date: 20121011

63) Family number: 61062697 (US2017002098A)

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MODIFIED BIOPOLYMERS AND METHODS OF PRODUCING AND USING THE SAME

Abstract: Source: US2017002098A Modified biopolymers, such as, charge-modified biopolymers, cross-linked biopolymers, and cross-linked, charge-modified biopolymers are provided along with **methods** of producing and using the same.

Probable Assignee: TETHIS INC

Earliest Publication Date: 20151210

64) Family number: 31714560 (US2005043460A)

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MICROPOROUS BREATHABLE ELASTIC FILMS, METHODS OF MAKING SAME, AND LIMITED USE OR DISPOSABLE PRODUCT APPLICATIONS

Abstract: Source: US2005043460A A thermoplastic elastomer film includes a thermoplastic elastomer and a filled semi crystalline predominantly linear polymer. The film includes between about 25 and 70 weight percent filler, between about 5 and 30 by weight percent semi-crystalline linear polymer, and between about 15 and 60 by weight elastomer. The filler is closely associated with the semi-crystalline linear polymer. The elastic film demonstrates a load loss value at a 50 percent elongation of less than about 50 percent, and a breathability of greater than about 100 g/m²/24 hours.

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Earliest Publication Date: 20050224

65) Family number: 16037739 (US6117446A)

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DRUG DOSAGE **UNIT** FOR BUCCAL ADMINISTRATION OF STEROIDAL ACTIVE AGENTS

Abstract: Source: US6117446A A buccal dosage **unit** is provided for administering a combination of steroidal active agents to a female individual. The novel buccal drug delivery systems may be used in female hormone replacement therapy, in female contraception, to treat female sexual dysfunction, and to treat or prevent a variety of conditions and disorders which are responsive to the active agents discussed herein. The buccal dosage **unit** comprises a progestin, an estrogen and optionally an androgenic agent, as well as a polymeric carrier that bioerodes and provides for delivery of the active agents throughout a predetermined drug delivery period.

Probable Assignee: PLACE VIRGIL A

Earliest Publication Date: 20000727

66) Family number: 49917177 (US2011276134A)

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SILICONE IMPLANT WITH IMPRINTED TEXTURE

Abstract: Source: US2011276134A A procedure for manufacturing an implant having a textured silicone surface is disclosed. An example procedure includes forming a component having a silicone surface; pressing a plurality of polymer fibers at least partially into the silicone surface, before the silicone has completely cured; allowing the silicone to at least partially cure with the polymer fibers in the silicone surface; and after the silicone is at least partially cured, removing the polymer fibers from the silicone surface.

Probable Assignee: ALLERGAN INC

Earliest Publication Date: 20111110

67) Family number: 28291464 (US2002129454A)

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DENTAL CLEANING DEVICE

Abstract: Source: US2002129454A The invention is directed to a dental cleaning device. It relates in particular to a handle section of an electric toothbrushing device, with a coupling section for coupling various cleaning tools thereto, a drive mechanism for driving the coupled cleaning tool, and a control device for controlling the drive mechanism. The invention further relates to such cleaning tools. According to the invention the handle section includes an electronic interlock device which is deactivated by an encoded interlock canceling element on the cleaning tool only when the cleaning tool is coupled to the handle section (Fig. 4).

Probable Assignee: BRAUN GMBH

Earliest Publication Date: 20020919

68) Family number: 46712274 (US2010221407A)

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METHOD FOR IMPROVING THE BARRIER PROPERTIES OF A NONWOVEN

Abstract: Source: US2010221407A A **method** for improving the barrier properties of a material. The **method** includes providing a material, applying a hydrophobic surface coating thereto, and incorporating the material into an absorbent article. The hydrophobic surface coating includes a non-aqueous, solventless, multicomponent silicone composition. The hydrophobic surface coating may be substantially free of aminosilicones.

Probable Assignee: POLYMER GROUP INC

Earliest Publication Date: 20100902

69) Family number: 35577592 (US2007200087A)

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DEICING AND ANTI-ICING COMPOSITIONS COMPRISING RENEWABLY-BASED, BIODEGRADABLE 1,3-PROPANEDIOL

Abstract: Source: US2007200087A Disclosed herein are deicing and anti-icing compositions comprising 1,3-propanediol, wherein the 1,3-propanediol in said deicing or anti-icing composition has a bio-based carbon content of about 1 percent to 100 percent. In addition, it is preferred that the 1,3-propanediol be biologically-derived, and wherein upon biodegradation, the biologically-derived 1,3-propanediol contributes no anthropogenic CO₂ emissions to the atmosphere.

Probable Assignee: DUPONT TATE AND LYLE BIO PRODUCTS CO LLC

Earliest Publication Date: 20070823

70) Family number: 49348366 (US2011184367A)

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OVERLABEL WRAPPER FOR ABSORBENT ARTICLES

Abstract: Source: US2011184367A An individually **packaged** absorbent article including an absorbent article and a **package**. The **package** can enclose the absorbent article and can have an outer surface and an inner surface. In certain embodiments, the **package** can include a **package** material that is a polymeric film. The **package** can have two opposing faces, and an opening area. The opening area can be provided substantially on a face of the **package**, and the **package** having an overlabel substantially covering the opening area.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20110728

71) Family number: 30142253 (US2003148018A)

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DEVICE AND METHOD FOR REGULATING APPLICATION OF ADHESIVES AND/OR SEALANTS

Abstract: Source: US2003148018A The present invention pertains to an arrangement for the controlled application of adhesive to substrate. In at least one embodiment, the arrangement comprises a) an adhesive reservoir, b) a pump, c) an applicator head having at least one applicator nozzle, d) a volume throughput sensor, and e) a monitoring unit. The reservoir, the pump, and the applicator head are connected together by a conduit system carrying the adhesive. The volume throughput sensor and the monitoring unit are connected together by a pulse transmission line. The monitoring unit, the feed pump, and the applicator head are connected together by control lines. In at least one embodiment, the application of adhesive to substrates is controlled by measuring the volume throughput of the adhesive, transmitting signals indicative of volume throughout to the monitoring unit, and controlling the amount of adhesive applied to the substrate material in-line in response to the signals.

Probable Assignee: HENKEL AND CO KGAA AG

Earliest Publication Date: 20010426

72) Family number: 42509167 (US2008286224A)

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USE OF A LOTION COMPOSITION ON AN ABSORBENT ARTICLE FOR REDUCING ADHERENCE OF FECES OR MENSES TO THE SKIN

Abstract: Source: US2008286224A The present invention relates to lotion compositions comprised on a body facing surface of an absorbent article such as a diaper, training pants or adult incontinence product. The lotion composition reduces the adherence of feces or menses to the human skin. The lotion composition comprises at least two compounds wherein one first compound is liquid at 25 degrees centigrade and at least one second component which is solid at 25 degrees centigrade. An effective amount of the lotion composition is comprised on a body facing surface of an absorbent article which is intended to be worn by a wearer.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20081119

73) Family number: 31060907 (US2003134559A)

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SYSTEM AND METHOD FOR DRY FORMING ABSORBENT CORES

Abstract: Source: US2003134559A An apparatus and method for dry forming absorbent cores are disclosed. The apparatus has a rotatable drum having a substantially cylindrical surface. A vacuum surface having one or more holes is located substantially circumferentially around at least a portion of the substantially cylindrical surface. A vacuum chamber is located within the rotatable drum. The vacuum chamber has one or more vacuum passages forming a vacuum zone subadjacent at least a portion of the vacuum surface. A first casing sheet is supplied to overlie the vacuum surface at a first location, and a fibrous material is supplied to overlie the first casing sheet at a second location. A supply of particulate matter is deposited onto the fibrous material at a third location, and a second casing sheet is supplied to overlie the first casing sheet, fibrous material and particulate matter at a fourth location, thereby forming an absorbent core composite.

Probable Assignee: PARAGON TRADE BRANDS

Earliest Publication Date: 20030717

74) Family number: 43381931 (US2010263793A)

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MICROSTRUCTURED ANTIMICROBIAL FILM

Abstract: Source: US2010263793A A microstructured antimicrobial film, an antimicrobial film assembly, a method of protecting a surface from microbial contamination, and a method of making a microstructured antimicrobial film. The microstructured antimicrobial film can include a substrate having a first side that includes a first major surface, a plurality of microstructured wells defined in the first side of the substrate, and an antimicrobial material positioned within at least some of the plurality of wells. Each of the plurality of wells can be at least partially defined by a base that is spaced a distance from the first major surface of the substrate. The antimicrobial material can be positioned, such that an upper surface of the antimicrobial material is spaced a distance from the first major surface of the substrate. The antimicrobial film assembly can include a roll or a stack of microstructured antimicrobial films.

Probable Assignee: 3M CO

Earliest Publication Date: 20090618

75) Family number: 48343923 (US2011046772A)

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FLEXIBLE MANUFACTURING SYSTEMS AND METHODS

Abstract: Source: US2011046772A A converting line comprises a first unit at a first region of the converting line and a second unit at a second region of the converting line. The first unit is positioned in series with the second unit. The converting line further comprises a third unit at a third region of the converting line and a fourth unit at a fourth region of the converting line. The first, second, third, and fourth units are configured to each perform at least one function. The third unit is positioned in parallel with the first unit, the second unit, or the fourth unit. The converting line further comprises a controller configured to activate at least one of the units based a received product order. The converting line is configured to produce a first product different from a second product during a single run of the converting line.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20110224

76) Family number: 61996392 (US2016089317A)

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ANTIPERSPIRANT AND DEODORANT COMPOSITIONS COMPRISING MALODOR REDUCTION COMPOSITIONS

Abstract: Source: US2016089317A The present invention relates to antiperspirant and deodorant compositions comprising malodor reduction compositions and **methods** of making and using such antiperspirant and deodorant compositions. Such antiperspirant and deodorant compositions comprising the malodor control technologies disclosed herein provide malodor control without leaving an undesirable scent and when perfume is used to scent such compositions, such scent is not unduly altered by the malodor control technology.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20160331

77) Family number: 30353423 (US2003135190A)

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A **METHOD FOR MANUFACTURING A PANTS-TYPE DIAPER OR SANITARY PANTY, AND SUCH AN ARTICLE**

Abstract: Source: US2003135190A Abstract of Disclosure A **method** of manufacturing an absorbent article in the form of a pants-type diaper or a sanitary panty starts from a flat blank which includes an elongated absorbent body (5) enclosed between two casing sheets (2, 9) which at opposing front and rear end parts of the absorbent body have side parts which extend laterally beyond the body on opposite sides thereof. The **method** includes the step of folding the blank about a transverse axis so that the end edges of the side parts lie edge-to-edge. The front and rear side parts of the blank which oppose one another in the folded state of the blank are joined together by a releasable and refastenable fastener (20).

Probable Assignee: SCA HYGIENE PRODUCTS AKTIEBOLAG

Earliest Publication Date: 19951013

78) Family number: 29993500 (US2003168614A)

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APPARATUS AND **METHOD FOR INSPECTING PRE-FASTENED ARTICLES**

Abstract: Source: US2003168614A In a **method** and apparatus for making and inspecting pre-fastened articles, such as disposable training pants, having at least two generally flexible elements capable of connection with each other during initial assembly of the article, the elements are arranged in overlapping relationship with each other and connected together to define an engagement seam of the article. The article is arranged to define an interior space thereof whereby the interior space is bounded in part by the engagement seam. The elements are irradiated at the engagement seam by a radiation source within the interior space of the article and an image of the irradiated engagement seam is captured by an image capturing device. In one embodiment, the image capturing device is positioned within the interior space of the article and the radiation source is either within the interior space or exterior of the article.

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Earliest Publication Date: 20030911

79) Family number: 33814131 (US2006264866A)

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SYSTEM COMPRISING THONG-SHAPED HOLDER AND ABSORBENT ARTICLE

Abstract: Source: US2006264866A A system comprising a thong-shaped holder for holding an absorbent article in close bodily contact in the pudendal region of the wearer. The holder comprises a front region, a crotch region having a specified Crotch Holding Force, and a rear region. The crotch region of the holder typically is elastically extensible in both the longitudinal and lateral directions. The holder provides an upward holding force against the absorbent article in the crotch region to hold the article in close bodily contact. A **method** for holding such an article in close bodily contact by wearing the holder is also disclosed.

Probable Assignee: RUSL LLC

Earliest Publication Date: 20061123

80) Family number: 28677029 (US2003208175A)

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ABSORBENT PRODUCTS WITH IMPROVED VERTICAL WICKING AND REWET CAPABILITY

Abstract: Source: US2003208175A The present invention relates to an absorbent core for use in an absorbent article and **methods** to make the absorbent core and absorbent articles. The absorbent core has a discrete wicking layer made with compressible fibers such as eucalyptus or chemically treated fibers. The absorbent core and articles made with it have improved vertical wicking capacity and superior rewet characteristics.

Probable Assignee: GEORGIA PACIFIC NONWOVENS LLC

Earliest Publication Date: 20001130

81) Family number: 58446510 (US2015034244A)

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ADHESIVE AND USE FOR ATTACHMENT TO MICROFIBER GARMENTS

Abstract: Source: US2015034244A The present invention relates to an adhesive and its use for attachment to microfiber garments. The adhesive provides peel strength, complex modulus and glass transition properties suitable for this application.

Probable Assignee: JOHNSON AND JOHNSON CONSUMER INC

Earliest Publication Date: 20150205

82) Family number: 54171617 (US2013165887A)

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****PACKAGE** COMPRISING PEELABLE OVERLABEL**

Abstract: Source: US2013165887A **Packages** for containing consumer goods are disclosed. The consumer goods may be disposable, durable or semi-durable. Absorbent article is one class of disposable articles that may be contained by **packages**. The **packages** comprise an opening that is covered by an overlabel. The overlabel is at least partially peeled off of the **package** so that articles contained within the **package** can be removed through the now exposed opening. In some embodiments, the **package** can be reclosed by covering the opening with the overlabel. A consumer may wish to dispose of a used article by placing the article back into the **package** via the opening and re-adhering the overlabel.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20130627

83) Family number: 40968362 (US2008156417A)

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PROCESS AND EQUIPMENT FOR MANUFACTURING THREE DIMENSIONALLY SHAPED OR BELTED ARTICLES, SUCH AS GARMENTS OR ABSORBENT ARTICLES

Abstract: Source: US2008156417A The present invention is a process and the respective equipment for the manufacture of shaped articles, such as disposable absorbent articles, which have a three dimensional shape, or which comprise closed belt-like structures such as hoops in the leg and/or waist opening. The articles can be produced at high production speeds out of conventional web materials (100, 1010), and can be designed to a wide variety of designs for improved dynamic fit, leakage performance and wearer's comfort.

Probable Assignee: CONCEPTS FOR SUCCESS

Earliest Publication Date: 20061005

84) Family number: 49800417 (US2012258326A)

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BLENDS OF ETHYLENE COPOLYMERS AND PROPYLENE BASED PLASTOMERS IN MULTILAYER FILMS FOR LOW NOISE AND RF WELDING

Abstract: Source: US2012258326A Compositions comprising from about 30 percent to about 95 percent of one or more RF-active functionalized ethylene copolymers and one or more propylene based plastomers are described. When formed into films or thin layers, the films exhibit a combination of low noise properties and good RF weldability characteristics. Also described are multilayer assemblies using such films and various articles incorporating such. Also described are **methods** of determining minimum thicknesses of an RF weldable layer in a multilayer film using the compositions.

Probable Assignee: AVERY DENNISON CORP

Earliest Publication Date: 20111020

85) Family number: 30784630 (US2004185011A)

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PERSONAL CARE COMPOSITIONS WITH PORTABLE PACKS

Abstract: Source: US2004185011A Mixing a controlled amount of agar with regular oral, dental or skin **hygiene** compositions allows manufacture of homogenous, semi-solid single-use lumps or beads (200). Agar or analogous structural gelling agents confer sufficient rigidity and a sufficiently high melting point for storage, yet allow disruption of the bead on the skin or in the mouth without residues. Dental or skin care packs (600) hold sufficient beads and optionally a disposable brush. Blister packs (124) carry cast in-situ beads of one or a variety of active compositions. Shape, color and flavor variations (124C) motivate children towards dental care.

Probable Assignee: PBL TECHNOLOGY LTD

Earliest Publication Date: 20040625

86) Family number: 59937575 (US2015209392A)

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FILAMENTS COMPRISING A MICROORGANISM AND **METHOD FOR MAKING SAME**

Abstract: Source: US2015209392A Filaments containing one or more filament-forming materials and one or more microorganisms, for example a labile microorganism, and **method** for making same are provided.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20150730

87) Family number: 32754791 (US2007295620A)

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MEDICAL **PACKAGE, A MEDICAL CONTAINER, A MEDICAL **PACKAGE** SYSTEM AND **METHODS** FOR REMOVAL OF A MEDICAL COMPONENT FROM A CONTAINER**

Abstract: Source: US2007295620A According to the present application, a medical **package** including a container (1) and a medical component (6), in particular a dental implant component, is disclosed. Said container (1) in a closed position thereof forms a component compartment (2) for said medical component (6) and an access channel (5) for an external instrument. Said access channel (5) is dimensioned to prevent said component (6) from passing through the access channel (5) and to allow said instrument to be inserted through the channel (5) and brought into engagement with the component (6) while the container (1) is in its closed position. Said container (1) is transferable to an open position while maintaining said engagement of the external instrument with the component (6), and said component (6), in the open position of said container (1), is removable from the container (1) by said external instrument. Furthermore, a medical **package** system including an external instrument, a container (1) and **methods** for removing a medical component (6) from a container (1) are disclosed.

Probable Assignee: ASTRA TECH AB

Earliest Publication Date: 20060323

88) Family number: 34709957 (US2007151885A)

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****PACKAGED** TAMPON AND APPLICATOR ASSEMBLY**

Abstract: Source: US2007151885A The present invention provides an easy open **package** for personal care products which has sensory cues as to the location of the opening of a wrapper component. In addition, the present invention provides a wrapper component which has a gradient **seal** which allows the user to effectively open the wrapper without unnecessarily tearing the wrapper.

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Earliest Publication Date: 20070705

89) Family number: 56340386 (US2014115844A)

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TAMPON METHOD OF MANUFACTURE

Abstract: Source: US2014115844A A **method** of manufacturing a tampon comprises the steps of at least partially overlaying a web of base material with a web of absorbent material. The web of absorbent material is secured to the web of base material with a first securement. At least one of the web of base material and the web of absorbent material is folded after the first securement. The web of absorbent material is further secured to the web of base material with a second securement that is a stronger securement than the first securement. The web of absorbent material and the web of base material together define a web of cover material. The web of cover material is applied to an absorbent structure. The web of cover material and the absorbent structure is manipulated such that the web of cover material extends about a circumference of the absorbent structure to form a tampon.

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Earliest Publication Date: 20140501

90) Family number: 56342820 (US2014121621A)

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ABSORBENT ARTICLE

Abstract: Source: US2014121621A An absorbent article having improved handling of body exudates. The absorbent article can minimize the amount of body exudates in contact with a wearer's skin and can minimize the incidence of leakage of body exudates from the absorbent article.

Probable Assignee: COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION

Earliest Publication Date: 20140501

91) Family number: 29377971 (US5254109A)

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SEPARATELY PACKAGED APPLICATOR PADS FOR TOPICAL DELIVERY OF INCOMPATIBLE DRUGS

Abstract: Source: US5254109A The present invention provides a **method** for applying a plurality, preferably two, dermatological agents to the skin from a single dispensing and applicator system comprising a plurality of compartmentalized applicator pads which may be exposed and sequentially applied to the afflicted skin area.

Probable Assignee: REGENESIS LLC

Earliest Publication Date: 19931019

92) Family number: 53228967 (US2013178825A)

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CATHETER-DRESSING SYSTEMS WITH INTEGRATED FLUSHING MECHANISMS

Abstract: Source: US2013178825A **Methods** and devices are disclosed herein that generally involve a sterile catheter-dressing system that allows for integrated injection of fluids, e.g., a saline flush, during the process of catheter insertion and sterile dressing placement. Such **methods** and devices can be used as a fully integrated catheter insertion system, or to convert existing catheter insertion devices and **methods** into integrated flush and sterile **sealing** catheter-dressing systems. Such **methods** and devices can greatly simplify the catheter insertion process, and can allow the reproducible placement of a fully sterile and flushed vascular catheter, as well as the placement of a durably sterile circumferentially **sealing** and securing dressing.

Probable Assignee: HELM ROBERT E

Earliest Publication Date: 20130321

93) Family number: 61132566 (US2017128279A)

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METHOD FOR FORMING A WRAPPING SHEET HAVING IMPROVED SEALING

Abstract: Source: US2017128279A A **method** for forming a wrapping material for **hygiene** articles involves: providing one of the inner edge portion and the outer edge portion of the edge zone of the first region with a first resealable adhesive, such that the other of the inner edge portion and the outer edge portion of the edge zone of the first region is adhesive-free; providing one of the inner edge portion and the outer edge portion of the edge zone of the second region with a first resealable adhesive, such that the other of the inner edge portion and the outer edge portion of the edge zone of the second region is adhesive-free; and providing at least one of the first central portion of the first region and the second central portion of the second region with a second adhesive; wherein the steps a-c are performed simultaneously.

Probable Assignee: SCA HYGIENE PRODUCTS AB

Earliest Publication Date: 20151217

94) Family number: 41473424 (US2008034849A)

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METHOD OF EVALUATING PERFORMANCE CHARACTERISTICS OF ARTICLES

Abstract: Source: US2008034849A A **method** of observing a consumer product is provided. The **method** includes placing a consumer product into an imaging machine, and then using the machine to obtain information regarding the product.

Probable Assignee: PROCTER AND GAMBLE CO

95) Family number: 56342827 (US2014121624A)

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ABSORBENT ARTICLE

Abstract: Source: US2014121624A An absorbent article having improved handling of body exudates. The absorbent article can minimize the amount of body exudates in contact with a wearer's skin and can minimize the incidence of leakage of body exudates from the absorbent article.

Probable Assignee: COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION

Earliest Publication Date: 20140501

96) Family number: 30879452 (US5242433A)

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PACKAGING SYSTEM WITH IN-TANDEM APPLICATOR PADS FOR TOPICAL DRUG DELIVERY

Abstract: Source: US5242433A The present invention provides a **method** for applying a plurality, preferably two, dermatological agents to the skin from a single dispensing and applicator system comprising a plurality of compartmentalized applicator pads which may be exposed and sequentially or simultaneously applied to the skin area to be treated.

Probable Assignee: REGENESIS LLC

Earliest Publication Date: 19930907

97) Family number: 31778907 (US2005067083A)

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SYSTEM AND **METHOD** FOR INCORPORATING GRAPHICS INTO ABSORBENT ARTICLES

Abstract: Source: US2005067083A A **method** for incorporating graphics into absorbent articles. The **method** involving: providing a moving substrate to a print cylinder; sensing a line speed reference signal from a line speed target machinery component; rotating the print cylinder at a predetermined speed, based on the line speed reference signal, to thereby print a series of graphics on the moving substrate at a predetermined distance frequency; sensing a phase difference signal from a phase target machinery component; and setting an actual print cylinder phase angle, based on the phase difference signal, to approximate a predetermined phase angle to thereby position the series of graphics on the moving substrate at a series of desired graphics locations. A system for executing the **method** and garments produced from the **method** and system are also provided.

Probable Assignee: FIRST QUALITY RETAIL SERVICES LLC

Earliest Publication Date: 20050331

98) Family number: 44896424 (US2010089264A)

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ABSORBENT ARTICLES HAVING DISTINCT GRAPHICS AND APPARATUS AND **METHOD** FOR PRINTING SUCH ABSORBENT ARTICLES

Abstract: Source: US2010089264A The present disclosure provides embodiments of processes and apparatuses for printing series of different graphics on substrates used in the manufacture of absorbent articles. Such printed substrates can be used, for example, in the manufacture of printed diaper components, such as backsheets, topsheets, landing zones, fasteners, ears, absorbent cores, and acquisition layers. Embodiments of the apparatuses and **methods** disclosed herein utilize flexographic printing to provide for a sequential manufacture of a series of n absorbent articles having different graphics printed thereon, wherein n can be a number of 2 or greater. In addition, an absorbent product may be produced by placing one or more, or a portion, of the series of n absorbent articles in a **package**.

Probable Assignee: FUSEPROJECT LLC

Earliest Publication Date: 20100415

99) Family number: 28236574 (US2002091368A)

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ABSORBENT ARTICLES COMPRISING A MATERIAL HAVING A HIGH VERTICAL WICKING CAPACITY

Abstract: Source: US2002091368A Disclosed are absorbent cores for inclusion in articles such as diapers, incontinent briefs, training pants, diaper holders and liners, feminine **hygiene** garments, and the like, designed to provide improved fit and comfort for the wearer while adequately containing body exudates. The absorbent core is designed so as to retain low levels of fluid in the crotch region, relative to the other core regions, even when the core absorbs significant amounts of fluid during use. To achieve this, the absorbent core is designed such that fluid is moved substantially from the crotch region to the front and/or rear ends of the article. In particular, the absorbent core comprises in its crotch region a material having significant vertical wicking absorbent capacities. The absorbent core also preferably comprises a non-removable absorbent core component in the crotch region, and removable absorbent core components in the front or rear regions of the article.

Probable Assignee: PROCTER and GAMBLE CO

Earliest Publication Date: 19981001