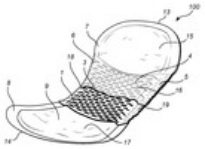
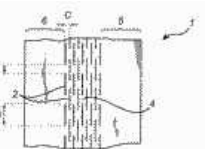
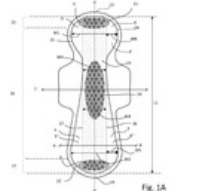
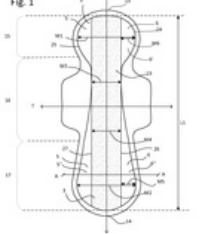
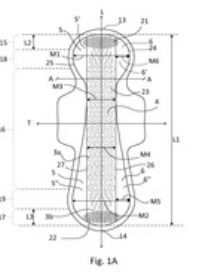
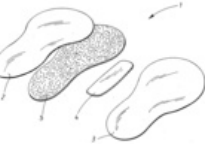
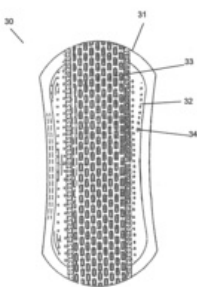
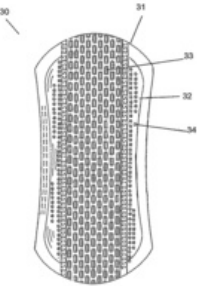
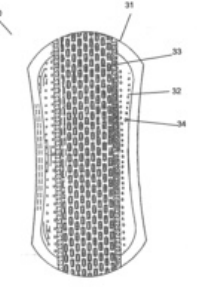
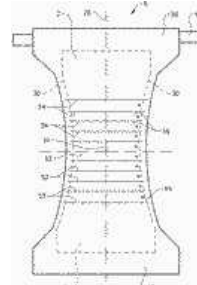
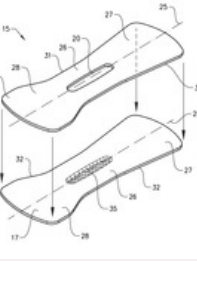
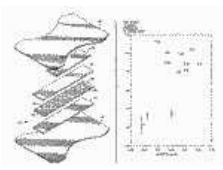
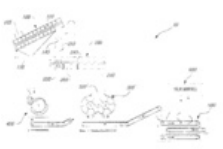
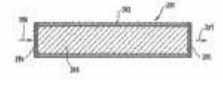


17 results for (absorbent product and inlet material and openings)/TI/AB/IW/CLMS/OBJ/ICLM/KEYW/TX - Collection: FAMPAT

#	 Title	Publication number	Publ. date	Applicant/Assignee	
1.	Absorbent product comprising inlet material	WO2016200300	2016-12-15	ESSITY HYGIENE & HEALTH* ESSITY HYGIENE & HEALTH AKTIEBOLAG SCA HYGIENE PRODUCTS	
Absorbent product comprising a liquid pervious topsheet, a liquid impervious backsheet and an absorbent core enclosed between the liquid pervious topsheet and liquid impervious backsheet. The absorbent product has in its longitudinal direction a crotch part and two end parts. The absorbent product comprises at least in its crotch part an inlet material having a plurality of openings . The plurality of openings in the inlet material are formed from a plurality of slits extending in the transversal direction of the absorbent product and that openings have been formed from the slits by expanding the continuous inlet material in the longitudinal direction of the absorbent product . The liquid inlet material has in its transversal direction of the absorbent product a central region and two edge regions. The openings are located in the central region so that the central region of the material with the plurality of openings has a lesser degree of elasticity than the edge regions.					
2.	Absorbent product comprising foam material	WO2016200301	2016-12-15	ESSITY HYGIENE & HEALTH* SCA HYGIENE PRODUCTS	
Absorbent product comprising a liquid permeable topsheet, a liquid impermeable backsheet, and an absorbent core enclosed between the topsheet and the backsheet, wherein the absorbent core comprising a liquid inlet foam material located closest to the liquid pervious topsheet and an absorbent fibrous layer located closest to the impervious backsheet. The liquid inlet foam material has in the transversal direction of the absorbent product two edge regions and one central region located between the edge regions. The central region has a plurality of openings formed from a plurality of slits extending in the longitudinal direction of the absorbent product and that openings have been formed from the slits by expanding the continuous liquid inlet foam material in the transversal direction of the product, and that each edge region of the liquid inlet foam material has a width that is at least 5.0 mm and is free from openings .					
3.	Absorbent product comprising colored areas	WO2018106157	2018-06-14	SCA HYGIENE PRODUCTS*	
An absorbent product comprising a liquid permeable topsheet (7), a liquid impermeable backsheet(8), and an absorbent core (11) enclosed between the topsheet (7) and the backsheet (8), said absorbent core (11) comprising an absorbent fibrous layer (9), a liquid inlet layer (1), and a carrier layer (10), in which a transversally central region (4) is arranged in the liquid inlet layer (1), said region (4) extending along the entire longitudinal length (L1) of the absorbent core (11), and comprising a plurality of slits (2) arranged in a pattern, wherein the slits (2) are in the form of dilated slit openings (3a) in a part of said central region (4), which is comprised in an intermediate portion (16) of the absorbent core, and the slits (2) are in the form of non-dilated slits (3b) in parts of said central region (4), which are comprised in one or both of front and rear portions (15, 17) of the absorbent core; and a method of manufacturing an absorbent product (100), comprising the steps of: cutting (130) slits (2) in a central region (4) of a continuous web of liquid inlet material (101) and extending (131) the web transversally in the cross machine direction, whereby the slits (2) are dilated into openings (3a);applying adhesive (132) to a continuous web of carrier material (110);combining (133) the continuous web of liquid inlet layermaterial (101) and cutting (134) inlet layer components (126) from the combined web (125);providing (135) absorbent components (122); enclosing (136) the inlet layer component (126) and absorbent component (122) between continuous websof topsheet material (107) and backsheet material (108); joining (137) at least the topsheet material (107) and the backsheet material (108) along the outer edges of the absorbent product ;cutting (138) the combined material into a desired shape, thus obtaining the absorbent product (100).					
4.	Absorbent product comprising foam material	WO2018106158	2018-06-14	SCA HYGIENE PRODUCTS*	
An absorbent product comprising a liquid permeable topsheet (7), a liquid impermeable backsheet (8), and an absorbent core (11) enclosed between the topsheet (7) and the backsheet (8), said absorbent core (11) comprising an absorbent fibrous layer (9) and a liquid inlet foam layer (1), wherein the absorbent core (11) comprises a transversally central liquid inlet region (23) extending in the longitudinal direction of the absorbent core, in which the liquid inlet foam layer (1) comprises a plurality of inlet openings (3), which covers the liquid inlet region (23), said liquid inlet region (23) having a transversal width (M4), which is equal to, or up to 9 mm smaller than the minimum transversal width (M3) of the absorbent fibrous layer (9), and that side edge regions (5, 6) are arranged in front and rear portions (15, 17) of the absorbent core transversally outside of the liquid inlet region (23), said liquid inlet foam layer (1) being free from liquid inlet openings in the side edge regions (5, 6);and a method of manufacturing an absorbent product (100), comprising the steps of: cutting (130) slits (2) in a central region (4) of a continuous web of liquid inlet foam material (101) and extending (131) the web transversally in the cross machine direction, until the longitudinally central region (4) has a transversal width (M4) which is equal to or up to 9 mm smaller than the transversal minimum width (M3) of the absorbent core (122) whereby the slits (2) are dilated into openings (3); applying adhesive (132) to a continuous web of carrier material (110); combining (133) the continuous web of liquid inlet foam material (101) and cutting (134) inlet foam layer components (126) from the combined web (125); providing (135) absorbent components (122); enclosing (136) the inlet foam layer component (126) and absorbent component (122) between continuous webs of topsheet material (107) and backsheet material (108); joining (137) at least the topsheet material (107) and the backsheet material (108) along the outer edges of the absorbent product ; cutting (138) the combined material into a desired shape, thus obtaining the absorbent product (100).					
5.	Absorbent product comprising foam material	WO2018106156	2018-06-14	SCA HYGIENE PRODUCTS*	
An absorbent product comprising a liquid permeable topsheet (7), a liquid impermeable backsheet (8), and an absorbent core (11) enclosed between the topsheet (7) and the backsheet (8), said absorbent core (11) comprising an absorbent fibrous layer (9), a liquid inlet foam layer (1), and a carrier layer (10), in which a transversally central region (4) is arranged in the liquid inlet foam layer (1), said region (4) extending along the entire longitudinal length (L1) of the absorbent core (11), and comprising a plurality of slits (2) arranged in a pattern, wherein the slits (2) are in the form of dilated slit openings (3a) in a part of said central region (4), which is comprised in an intermediate portion (16) of the absorbent core, and the slits (2) are in the form of non-dilated slits (3b) in parts of said central region (4), which are comprised in one or both of front and rear portions (15, 17) of the absorbent core; and a method of manufacturing an absorbent product (100), comprising the steps of: cutting (130) slits (2) in a central region (4) of a continuous web of liquid inlet foam material (101) and extending (131) the web transversally in the cross machine direction, whereby the slits (2) are dilated into openings (3a); applying adhesive (132) to a continuous web of carrier material (110); combining (133) the continuous web of liquid inlet foam material (101) and cutting (134) inlet foam layer components (126) from the combined web (125); providing (135) absorbent components (122); enclosing (136) the inlet foam layer component (126) and absorbent component (122) between continuous webs of topsheet material (107) and backsheet material (108); joining (137) at least the topsheet material (107) and the backsheet material (108) along the outer edges of the absorbent product ; cutting (138) the combined material into a desired shape, thus obtaining the absorbent product (100).					
6.	Absorbent article and method for manufacturing an absorbent article	WO2007069967	2007-06-21	ESSEA Å· HIGH GENE PRODUCTS Å· URBAY SCA HYGIENE PRODUCTS*	
The invention relates to an absorbent product (1), such as an incontinence pad, a sanitary towel, a panty liner or the like, comprising a liquid-permeable top layer (2), a preferably liquid-impermeable bottom layer (3) and an absorbent core (4) arranged between the top layer (2) and the bottom layer (3). In accordance with the invention, the top layer (2) is joined together with a subjacent admission material (5) by means of ultrasonic processing, in conjunction with which the laminate that is defined by the top layer (2) and the admission material (5) when these are joined together includes a reinforcement (6) executed with ultrasonic processing essentially along its peripheral edge (7). The invention also relates to a method for manufacturing the aforementioned products (1).					

7.	Absorbent product	WO2007069965	2007-06-21	ESSEA Å· HIGH GENE PRODUCTS Å· URBAY SCA HYGIENE PRODUCTS*	Absorbent product chosen from an incontinence protection, a sanitary napkin and a panty liner, comprising a liquid permeable perforated top sheet facing the wearer during use, a liquid impermeable back sheet facing away from the wearer during use, whereby longitudinally extending textile-like edges are positioned on both longitudinal sides of the top sheet, so that a central part of the top sheet is not covered by the textile-like edges, whereby the longitudinal diameter of the apertures of the top sheet is in the interval from 0.1 to 3.2 mm, preferably from 0.5 to 3.2 mm, more preferably from 0.9 to 2.4 and most preferably from 1.6 to 2.4 mm, wherein at least 70 % of the area of the central part of the top sheet is apertured, and wherein the top sheet further comprises perforations, that are positioned between the apertures of the top sheet. Hereby, since relatively large apertures are used, liquid is quickly let through the top sheet to the absorbent structure. Further, since small perforations are positioned between the apertures and the top sheet to a large extent is open, the acquisition properties are enhanced.	
8.	Absorbent product	WO2007069966	2007-06-21	ESSEA Å· HIGH GENE PRODUCTS Å· URBAY SCA HYGIENE PRODUCTS*	The invention refers to an absorbent product chosen from an incontinence protection, a sanitary napkin and a panty liner, having a rear part, a front part and a crotch part in its longitudinal direction, comprising a liquid permeable perforated top sheet facing the wearer, a liquid impermeable back sheet facing away from the wearer, and an absorbent structure positioned between the top sheet and the back sheet, and whereby longitudinally extending textile-like edges are positioned on both longitudinal sides of the top sheet, whereby the rear part of the absorbent structure is rounded in the form of at least three different radii. Hereby, it is possible to adjust the shape of the absorbent structure so that more absorbent material is put in the product. Also, material waste can be reduced, compared to a conventional rectangular-formed absorbent structure. Further, the absorption capacity is increased and thus the risk for leakage is reduced.	
9.	Absorbent product	WO2007069964	2007-06-21	ESSEA Å· HIGH GENE PRODUCTS Å· URBAY SCA HYGIENE PRODUCTS*	The invention refers to an absorbent product chosen from an incontinence protection, a sanitary napkin and a panty liner, comprising a liquid permeable apertured top sheet facing the wearer during use, and a liquid-impermeable back sheet facing away from the wearer during use, whereby longitudinally extending textile-like edges are positioned on both longitudinal sides of the top sheet whereby the textile-like edges comprise apertures. Hereby, the textile-like edges will amongst others have the capacity to transport moisture that is formed at the interface between the textile-like edges and the wearer skin. Further, the apertures will allow a certain acquisition, i.e. liquid can be transported to the absorbent structure of the product.	
10.	Absorbent article exhibiting controlled deformation in use	CA2952003	2015-12-17	ESSEA Å· HIGH GENE PRODUCTS Å· URBAY ESSITY HYGIENE & HEALTH AKTIEBOLAG* SCA HYGIENE PRODUCTS*	The invention relates to an absorbent, disposable article comprising a casing layer permeable to liquid intended to be used facing the user and a substantially liquid-impermeable backside layer provided to be turned away from the user during use and an absorption body disposed between the liquid-permeable casing layer and the substantially liquid-impermeable backside layer. The article and the absorption body comprise a longitudinal centre line, a crotch area, a front end area and a back end area. Furthermore, the absorption body comprises a first absorption layer intended to be turned towards the user during use comprising longitudinal edges and a second absorption layer intended to be turned away from the user during use comprising longitudinal edges. The first absorption layer comprises a first longitudinal opening disposed in the crotch area and the second absorption layer comprises a first longitudinal compression disposed in the crotch area. At least 70% of the applied drops in the test for hydrophilicity in the liquid-permeable casing layer of the article in accordance with the described test method should have penetrated into the article within X seconds.	
11.	Absorbent article exhibiting controlled deformation in use	CA2951998	2015-12-17	ESSITY HYGIENE & HEALTH AKTIEBOLAG* SCA HYGIENE PRODUCTS*	The invention relates to an absorbent, disposable article comprising a casing layer permeable to liquid provided to be used towards the user and a substantially liquid-impermeable backside layer provided to be used turned away from the user during use. An absorption body comprising longitudinally extending edges is disposed between the liquid-permeable casing layer and the substantially liquid-impermeable backside layer. The article comprises a longitudinally extending centre line, a crotch area, a front end area and a back area. The absorption body comprises a first absorption layer provided to be arranged towards the user during use and a second absorption layer provided to be arranged away from the user during use. The liquid-permeable casing layer and the backside layer extend outside the longitudinally running edges of the absorption body. At least one elastic element is disposed between the liquid-permeable casing layer and the backside layer outside of the respective longitudinally running edge of the absorption body. The elastic elements have a return force between 0.30 N and 0.80 N at an extension of 70% of the accessible extension according to the described test method. The first absorption layer comprises a first longitudinal opening disposed in the crotch area and the second absorption layer comprises a first longitudinal compression disposed in the crotch area.	

12.	Adjustable solid particle application system	WO2010031742	2010-03-25	BASF*	
An application system for applying a solid particle includes an injector housing having a material inlet, a gas inlet, and a material outlet, and an occluder moveably disposed within the injector housing between the gas inlet and the material outlet. The injector housing and the occluder define there between at least one adjustable aperture downstream of the material inlet and in fluid communication with the gas inlet and the material outlet. The aperture has a first open area with the occluder in a first position and a second open area with the occluder in a second position, the second open area being different than the first open area. The system also includes a nozzle having a nozzle inlet coupled to the material outlet and a nozzle outlet, the inlet having a circular cross-section and the outlet having a rectangular cross-section.					
13.	Article with soft absorbent pulp sheet	US5562645	1996-10-08	KIMBERLY CLARK* KIMBERLY CLARK WORLDWIDE	
The present invention provides a distinctive article which includes at least one absorbent, fibrous web layer which is substantially non-hydroentangled. The fibrous web layer can have a basis weight of at least about 60 gsm, and a density of not more than about 0.25 gm/cc. The fibrous web layer can further have a peak geometric mean tensile strength of at least about 250 grams-force per centimeter of width, and can have a fiber content in which at least about 90 wt.% of the fibers are composed of fibers having a fiber length of not more than about 0.4 inch (about 1 cm). In particular configurations, the article includes a backsheet layer, and a liquid permeable topsheet layer which is disposed in facing relation with the backsheet layer. An absorbent structure is interposed between the backsheet layer and the topsheet layer, and the absorbent structure has an overall absorbent capacity of at least about 300 grams of saline.					
14.	Method for reducing moisture content	WO9851139	1998-11-19	MABAREX* SOLUTIONS MABAREX	
A system and a method for reducing the level of moisture of fluent materials or wet solid materials, characterized in that the material to be treated is provided in a particle form and then exposed to a relatively high volumetric flow of gas treating medium which is drawn through the material so as to force the moisture in the center of each individual piece to migrate towards the periphery thereof where it can be easily evaporated. Air at ambient temperature may be used as gas treating medium so as to minimize the level of energy required to provide an efficient drying operation.					
15.	Absorbent article comprising a monolithic absorbent structure configured to cause a change in shape	WO2019007510	2019-01-10	ESSITY HYGIENE & HEALTH*	
The present invention relates to an absorbent article such as diaper, pant diaper, panty liner, sanitary napkin or incontinence protection, the absorbent article comprising an absorbent layer and optionally an acquisition/distribution layer, wherein at least one layer selected from the acquisition/distribution layer, if present, and the absorbent layer comprises or consists of a monolithic absorbent structure made from one or more hydrogel-forming materials, wherein the monolithic absorbent structure is obtainable by photopolymerizing, layer by layer, one or more photopolymerizable compositions, and wherein one or more portions of this monolithic absorbent structure or the entire monolithic absorbent structure is configured to cause a change from a first shape to a second shape in response to body fluids. It also relates to a method of making the same.					 Fig. 2
16.	Liquid transport member having high permeability bulk regions and high threshold pressure port regions	WO200000136	2000-01-06	PROCTER & GAMBLE*	
The present invention is a Liquid transport member with significantly improved liquid handling properties, having at least one bulk region completely circumscribed by a wall region, and which comprises at least one port region, where the product of the bubble point pressure of the port region multiplied with the bulk region permeability is higher than half of the product of the porosity of the member multiplied by the surface tension of the transported liquid.					
17.	Short term extrusion cooking	WO9803088	1998-01-29	WENGER*	
Improved short length extrusion cooking devices (10) are provided which can achieve product throughput and quality characteristics of conventional long-barrel extruders. The short length extruders (10) of the invention include a relatively short barrel (14) having an inlet (18) and an endmost extrusion die (20). An elongated, helically flighted axially, rotatable screw assembly (22) is positioned within the barrel (14) and is coupled to motive means (39, 39a) for rotation of the assembly (22) at a speed of at least about 500 rpm. The device (10) may include an internal, apertured flow-restricting device (60, 102) which defines a mid-barrel choke point for the material being processed. An alternate extruder (120) is configured without a mid-barrel restriction and is designed to operate at essentially atmospheric internal pressure throughout the majority of the length of barrel (122) with a significant pressure rise in the final head (134) adjacent the extrusion die. Preferably, the barrel (14, 122) has an internal bore of generally frustoconical configuration with an effective length to maximum diameter ratio (L/D) of at least about 6. Novel extrusion processes and products are also provided, using extremely short extrusion barrel retention times to give cooked extrudates having essentially no amino acid or vitamin nutrient losses, and/or dense, highly cooked, low moisture feeds. Twin screw extruders (232, 232a) with and without mid-barrel restriction elements (252-256) can also be provided, and include an internally tapered barrel (237) with correspondingly tapered, flighted, axially rotatable screws (238, 240). 00000					