

Search history

Search 1: PA=(SCA HYGIENE PRODUCTS AB) (Results 1804)

Search 2: valve (Results 1000000)

Search 3: 1 and 2 (Results 37)

1) Family number: 30270126 (US6508798B)

© PatBase

Title: Absorbent article

Abstract: An absorbent article having a front part (13; 13'), a rear part (14; 14') and a crotch part (15; 15') which lies therebetween. The article includes an absorbent body (1; 1'; 25) which is enclosed between an outer, liquid-impermeable casing sheet (7; 7'; 26) and an inner, liquid-permeable casing sheet (8; 8'; 27), this latter sheet lying proximal to a wearer's body in use. The article further includes on opposite sides of a longitudinal symmetry axis of the article flexible, longitudinally extending flaps (9, 10' 9', 10'; 28, 29), each of which is connected to the inner casing sheet along a longitudinal edge and which extends from the connected longitudinal edge in toward a longitudinal symmetry axis of the article. The flaps (9, 10; 9', 10'; 28, 29) are joined together in the crotch part (15; 15') of the article. The width of the flaps between the connected longitudinal edge and a free longitudinal edge of each flap is greatest in the crotch part (15; 15') and decreases progressively from the crotch part (15; 15') toward the respective front and rear parts (13, 14; 13', 14') whereby the flaps (9, 10; 9', 10'; 28, 29) taper toward the respective front and rear parts (13, 14; 13', 14') from a place at which the flaps are connected together such that adjacent free longitudinal edges of the flaps approach each other most closely at that place and diverge from each other longitudinally of the adjacent free longitudinal edges in directions away from that place when the absorbent article is flattened.

Classifications:

International (ipc 8-9): A41B13/00 A61F13/00 A61F13/15

A61F13/494 A61F5/44 E03F1/00 (Advanced/Invention);

A61F5/44 (Advanced/Non-invention);

A41B13/00 A61F13/00 A61F13/15 A61F5/44

E03F1/00 (Core/Invention);

A61F13/15 (Core/Non-invention);

A41B (Subclass/Invention)

International (ipc 1-7): A41B A41B13/00 A61F13/00 A61F13/15

A61F13/20 A61F5/44 E03F1/00

CPC: A61F13/495 A61F13/491 A61F13/49413 A61F13/49466

A61F13/49473 A61F13/496 A61F13/5323 A61F2013/15406 A61F2013/15422 A61F2013/4581 A61F2013/49025

A61F2013/49031 A61F2013/49069 A61F2013/4948 A61F2013/4953 A61F2013/51409 A61F2013/53445 E03F1/006

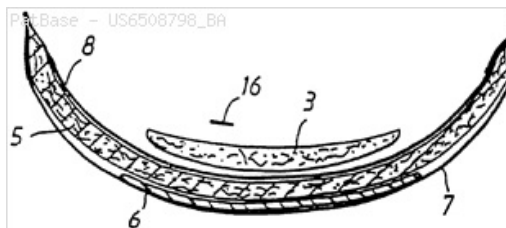
A61F2013/530007 A61F2013/530481 A61F2013/530941

European: A61F13/495 A61F13/532B E03F1/00C K61F13/15J8E K61F13/15J8H K61F13/45C4B K61F13/491 K61F13/494A1

K61F13/494B K61F13/494C K61F13/494D K61F13/495B K61F13/496 K61F13/49D2H2 K61F13/49D2H3 K61F13/49H1

K61F13/514A4 K61F13/534C K61F13/53L K61F13/53Q K61F13/53S5A1

US: 604/385.101 604/385.19 604/385.27 604/385.28



Family:

Publication number	Publication date	Application number	Application date
AT189596 E	20000215	AT19950914613T	19950317
AU199521521 A1	19951009	AU19950021521	19950317
AU686359 B2	19980205	AU19950021521	19950317
CA2185151 AA	19960909	CA19952185151	19950317
CN1143903 A	19970226	CN19951092156	19950317
CO4370003 A1	19961007	CO19950010739	19950316
CZ9602713 A3	19970212	CZ19960002713	19950317
DE69515041 D1	20000316	DE19956015041	19950317
DE69515041 T2	20000914	DE19956015041T	19950317
DK0774944 T3	20000724	DK19950914613T	19950317
EP0774944 A1	19970528	EP19950914613	19950317
EP0774944 B1	20000209	EP19950914613	19950317
FI963666 A	19960917	FI19960003666	19960917
FI963666 A0	19960917	FI19960003666	19960917
GB2287393 A1	19950920	GB19950003800	19950224
GB2287393 B2	19971001	GB19950003800	19950224
GB9503800 A0	19950412	GB19950003800	19950224
HK1003486 A1	19981030	HK19980102463	19980324
HU76932 A2	19980128	HU19960002539	19950317
HU9602539 A0	19961128	HU19960002539	19950317
IL112717 A0	19950526	IL19950112717	19950221
IL112717 A1	19980104	IL19950112717	19950221
JP9510385 T2	19971021	JP19950524576T	19950317
MX9603985 A1	19970930	MX19960003985	19950317
NO963808 A	19961031	NO19960003808	19960911
NO963808 A0	19960911	NO19960003808	19960911
NZ283466 A	19970822	NZ19950283466	19950317
PE25596 A1	19960610	PE19950264388	19950317
PL178709 B1	20000630	PL19950316174	19950317

PL316174 A1	19961223	PL19950316174	19950317
SE502548 C2	19951113	SE19940000917	19940318
SE506005 C2	19971103	SE19940000912	19940318
SE9400912 A	19950919	SE19940000912D	19940318
SE9400912 A0	19940318	SE19940000912	19940318
SE9400912 L	19950919	SE19940000912	19940318
SE9400917 A	19950919	SE19940000917D	19940318
SE9400917 A0	19940318	SE19940000917	19940318
SE9400917 L	19950919	SE19940000917	19940318
SK117896 A3	19970806	SK19960001178	19950317
TNSN95022 A1	19960206	TN1995SN00022	19950316
TW345008 Y	19981111	TW19970203218U	19950224
US6508798 BA	20030121	US19960704515	19960912
WO9525494 A1	19950928	WO1995SE00273	19950317
ZA9501585 A	19951208	ZA19950001585	19950224

Priority:

SE19940000912 19940318 SE19940000917 19940318 WO1995SE00273 19950317

Probable Assignee: MOLNLYCKE AB

Assignee(s): (std): EVAC AB ; GUSTAFSSON ANDERS ; MOELNLYCKE AB ; SCA HYGIENE PROD AB ; SCA MOELNLYCKE AB ; WIDLUND URBAN ; SVERNLOEV ANNA ; MOELNL YCKE AB ; SCA MOLNLYCKE AB ; MOLNLYCKE AB

Assignee(s): SVERNLOV ANNA ; SCA HYGIENE PRODUCTS AB GOETEBORG ; MOELNL YCKE ABSE ; MOLNLYCKE ABS ; SCA HYGIENE PRODUCTS AB ; LNLCKE AB ; M 247 LNLCKE AB ; M LNLCKE AB

Inventor(s): (std): AAKE NILSSON ; ANDERS GUSTAFSSON ; ANNA SVERNLOEV ; ANNA SVERNLOV ; BJOERN VON VARFALVA PALFFY ; GUSTAFSSON ANDERS ; NILSSON AAKE ; PETER TELL ; SVERNLOEV ANNA ; SVERNLOV ANNA ; TELL PETER ; URBAN WIDLUND ; VON VARFALVA PALFFY BJOERN ; WIDLUND URBAN ; SVERNLOV ANA ; SVERNLOV ANNA

Inventor(s): ANA SVERNLOV

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; FETHERSTONHAUGH AND CO; ERNESTO CAVELIER; REINHOLD COHN AND PARTNERS

Designated states: AT AU BE CA CH CN CZ DE DK ES FI FR GB GR HU IE IT JP LI LU MC MX NL NO NZ PL PT SE SK US

2) Family number: 8613171 (US5720851A)

© PatBase

Title: Method and arrangement for producing a foam-formed fibre or paper web

Abstract: PCT No. PCT/SE93/00848 Sec. 371 Date Jan. 15, 1997 Sec. 102(e) Date Jan. 15, 1997 PCT Filed Jul. 12, 1995 PCT Pub. No. WO96/02702 PCT Pub. Date Feb. 1, 1996 Method of producing a foam-formed fibre or paper web, whereby a foamed fibre dispersion is formed by dispersing natural and/or synthetic fibres in a foamable liquid comprising water and a tenside in a dispersion vessel (111) and by conveying the foamed fibre dispersion to a wire (118) on a paper machine. The foamed liquid which is removed through the wire (118) is conveyed to a closed foam tank (128) in which a draining of the liquid to the bottom of the tank occurs, whilst the lighter foam is collected in the top of the foam tank. Liquid from the bottom of the foam tank is led to the dispersion vessel (111) via a first pipeline (129), whilst foam passes to the dispersion vessel via a second pipeline (130) in the top of the foam tank where the fibres are added and dispersed in the foamable liquid.

Classifications:

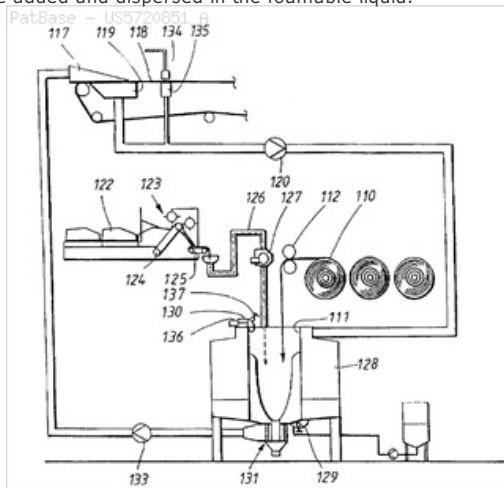
International (IPC 8-9): D04H3/08 D21F1/70 D21F1/80 D21F11/00 D21H27/38 (Advanced/Invention); D21F11/00 (Advanced/Non-invention); D04H3/08 D21F1/66 D21F11/00 (Core/Invention); D21H27/38 (Core/Non-invention)

International (IPC 1-7): D21B1/34 D21D3/00 D21F D21F1/70 D21F1/80 D21F11/00 D21F11/02 D21H27/38 D21J1/16

CPC: D21F11/002

European: D21F11/00B

US: 162/101 162/190 162/264 162/289



Family:

Publication number	Publication date	Application number	Application date
AT172261 E	19981015	AT19950926083T	19950712
AU199529961 A1	19960216	AU19950029961	19950712
AU686845 B2	19980212	AU19950029961	19950712
CA2194180 AA	19961230	CA19952194180	19950712
CN1094542 C	20021120	CN19951015056	19950712
CN1127816 A	19960731	CN19951015056	19950712
CZ9700103 A3	19970611	CZ19970000103	19950712
DE69505392 D1	19981119	DE19956005392	19950712
DE69505392 T2	19990311	DE19956005392T	19950712
DK0772714 T3	19990623	DK19950926083T	19950712
EP0772714 A1	19970514	EP19950926083	19950712
EP0772714 B1	19981014	EP19950926083	19950712
ES2124572 T3	19990201	ES19950926083T	19950712
FI117341 B	20060915	FI19960005307	19961231

FI965307 A	19970113	FI19960005307	19961231
FI965307 A0	19961231	FI19960005307	19961231
HU219273 B	20010328	HU19970000094	19950712
HU77211 A2	19980302	HU19970000094	19950712
JP10506437 T2	19980623	JP19960504948T	19950712
KR19970704937 A	19970906	KR19970700189	19970113
KR19977004937 A	19970906	KR19977000189	19950712
NO308373 B1	20000904	NO19970000083	19970109
NO970083 A	19970224	NO19970000083	19970109
NO970083 A0	19970109	NO19970000083	19970109
NZ289970 A	19980626	NZ19950289970	19950712
PL178277 B1	20000331	PL19950318215	19950712
PL318215 A1	19970526	PL19950318215	19950712
SE503065 C2	19960318	SE19940002469	19940713
SE9402469 A	19960114	SE19940002469D	19940713
SE9402469 A0	19940713	SE19940002469	19940713
SE9402469 L	19960114	SE19940002469	19940713
SK280946 B6	20000912	SK19970000033	19950712
SK3397 A3	19970806	SK19970000033	19950712
TW299380 B	19970301	TW19950107224	19950712
US5720851 A	19980224	US19970750863	19970115
WO9602702 A1	19960201	WO1995SE00848	19950712
ZA9505805 A	19960329	ZA19950005805	19950712

Priority:

SE19940002469 19940713 WO1995SE00848 19950712

Probable Assignee: SCA HYGIENE PAPER AB

Assignee(s): (std): MOELNLYCKE AB ; MOLNYCHE AB ; SCA HYGIENE PAPER AB ; SCA SANITARY PRODUCTS AB ; MOLYNCKE AB ; REINER LENNART ; SCA HYGIENE PROD AB

Assignee(s): SCA HYGIENE PAPER AB GOETEBORG GOTENBURG SE ; SCA HYGIENE PAPER ABS ; SCA HYGIENE PRODUCTS AB ; MOLNYCHE ABSE ; MOLNLYCKE AB

Inventor(s): (std): REINER L ; REINER LENNART

Inventor(s): REINER LENNART S 864 33 MATFORS SE ; L REINER ; LENNART REINER

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; FETHERSTONHAUGH AND CO

Designated states: AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IS IT JP KE KG KP KR KZ LI LK LR LT LU LV MC MD MG ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TD TG TJ TM TT UA UG US UZ VN

3) Family number: 20421586 (US5853538A)

© PatBase

Title: Method of producing a nonwoven material and nonwoven material produced according to the method

Abstract: PCT No. PCT/SE95/00847 Sec. 371 Date Jan. 15, 1997 Sec. 102(e) Date Jan. 15, 1997 PCT Filed Jul. 12, 1995 PCT Pub. No. WO96/02701 PCT Pub. Date Feb. 1, 1996Method of producing a nonwoven material by hydroentangling of a fiber web, whereby dry fibers, natural and/or synthetic, are metered into a dispersion vessel, possibly after pre-wetting. The fibers are dispersed in a foamable liquid including water and a tenside for forming a foamed fiber dispersion, which is applied to a wire and drained. The formed fiber web is subjected to hydroentangling directly after forming and the foamable liquid, after having passed through the wire, is recirculated to the dispersion vessel in a simple closed circuit.

Classifications:

International (ipc 8-9): B29C45/72 D04H1/46 D04H3/08

D21F11/00 (Advanced/Invention);

D21F11/00 (Advanced/Non-invention);

B29C45/72 D04H1/46 D04H3/08 D21F11/00 (Core/Invention);

D04H3/08 (Core/Non-invention)

International (ipc 1-7): D04H1/00 D04H1/46 D04H3/08 D04H3/12

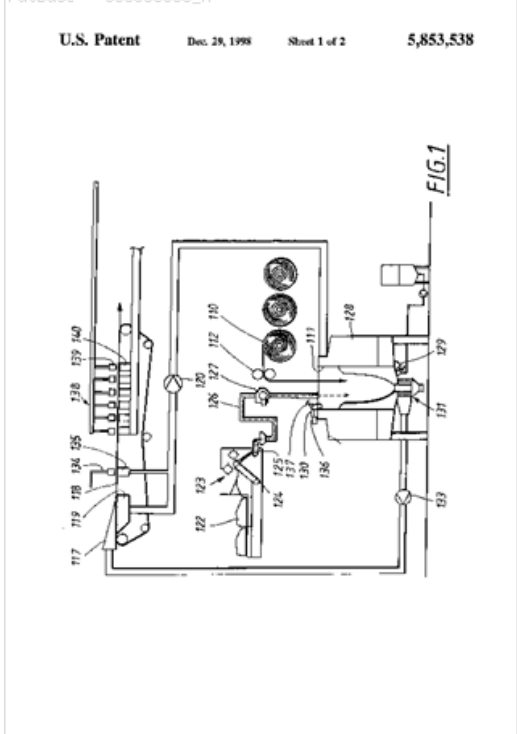
D21F D21F D21F11/00 D21H13/00 D21H25/16

CPC: D21F11/00 D21F11/002 D21F1/0018 D21F1/66

European: D21F1/00D D21F1/66 D21F11/00B

US: 162/101 162/190

PatBase - US5853538_R



Family:

Publication number	Publication date	Application number	Application date
AT173309 E	19981115	AT19950926082T	19950712
AU199529960 A1	19960216	AU19950029960	19950712
AU686415 B2	19980205	AU19950029960	19950712
CA2194176 AA	19961230	CA19952194176	19950712
CN1052043 C	20000503	CN19951015270	19950712
CN1122389 A	19960515	CN19951015270	19950712
CZ9700102 A3	19971015	CZ19970000102	19950712
DE69505991 D1	19981217	DE19956005991	19950712
DE69505991 T2	19990408	DE19956005991T	19950712
DK0776396 T3	19990726	DK19950926082T	19950712
EP0776396 A1	19970604	EP19950926082	19950712
EP0776396 B1	19981111	EP19950926082	19950712
ES2125032 T3	19990216	ES19950926082T	19950712
FI116852 B	20060315	FI19960005308	19961231
FI965308 A	19970113	FI19960005308	19961231
FI965308 A0	19961231	FI19960005308	19961231
HU220285 B	20011128	HU19970000095	19950712
HU77215 A2	19980302	HU19970000095	19950712
JP10506436 T2	19980623	JP19960504947T	19950712
KR19970704938 A	19970906	KR19970700190	19970113
KR19977004938 A	19970906	KR19977000190	19950712
NO308372 B1	20000904	NO19970000082	19970109
NO970082 A	19970224	NO19970000082	19970109
NO970082 A0	19970109	NO19970000082	19970109
NZ289969 A	19980527	NZ19950289969	19950712
PL178381 B1	20000428	PL19950318214	19950712
PL318214 A1	19970526	PL19950318214	19950712
SE503058 C2	19960318	SE19940002468	19940713
SE503059 C2	19960318	SE19940002470	19940713
SE9402468 A	19960114	SE19940002468D	19940713
SE9402468 A0	19940713	SE19940002468	19940713
SE9402468 L	19960114	SE19940002468	19940713
SE9402470 A	19960114	SE19940002470D	19940713
SE9402470 A0	19940713	SE19940002470	19940713
SE9402470 L	19960114	SE19940002470	19940713
SK282439 B6	20020205	SK19970000034	19950712
SK3497 A3	19970806	SK19970000034	19950712
TW288061 B	19961011	TW19950107223	19950712
US5853538 A	19981229	US19970750864	19970115
WO9602701 A1	19960201	WO1995SE00847	19950712
ZA9505802 A	19960222	ZA19950005802	19950712

Priority:

SE19940002468 19940713 SE19940002470 19940713 WO1995SE00847 19950712

Probable Assignee: SCA HYGIENE PAPER AB

Assignee(s): (std): MOELNLYCKE AB ; MOLNLYCKE AB ; MOLNYCHE AB ; REINER LENNART ; SCA HYGIENE PAPER AB ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB

Assignee(s): SCA HYGIENE PAPER AB GOETEBORG GOTENBURG SE ; SCA HYGIENE PAPER ABS ; MOLNYCHE ABSE

Inventor(s): (std): L REINER ; LENNART REINER ; REINER LENNART ; REINER L

Inventor(s): REINER LENNART S 864 33 MATFORS SE

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; FETHERSTONHAUGH AND CO

Designated states: AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IS IT JP KE KG KP KR KZ LI LK LR LT LU LV MC MD MG ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TD TG TJ TM TT UA UG US UZ VN

4) Family number: 29363089 (US6463850B)

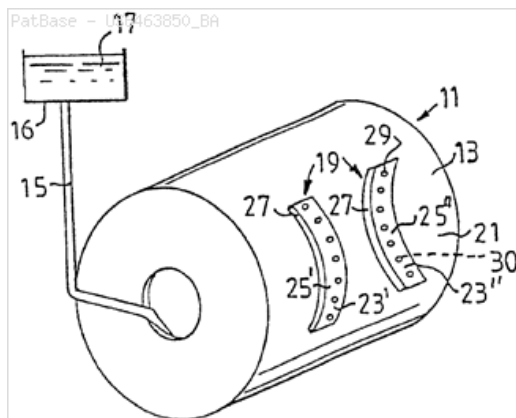
© PatBase

Title: METHOD AND MEANS FOR FORMING LOCALLY COMPRESSED REGIONS ON ABSORBENT PRODUCTS

Abstract: Method and device for forming local compressions (7) in a material (31) wherein moisture (17) is applied locally to the areas being compressed during the compression operation.

Classifications:

International (ipc 8-9): A61F13/00 A61F13/15 A61F13/472
A61F13/48 A61F13/49 A61F13/53 A61F5/44 B30B3/00
B31F1/36 (Advanced/Invention);
A61F13/00 A61F5/44 B30B3/00 (Advanced/Non-invention);
A61F13/00 A61F13/15 A61F5/44 B30B3/00 B31F1/00 (Core/Invention)
International (ipc 1-7): A61F13/00 A61F13/15 A61F13/472
A61F13/48 A61F13/49 A61F13/53 A61F5/44 B30B15/34 B30B3/00
CPC: Y10T156/1023 A61F13/4756 A61F13/15707
European: A61F13/15M6 A61F13/475A3
US: 100/327 100/38 100/73 100/74 100/92 156/209



Family:

Publication number	Publication date	Application number	Application date
AU199879459 A1	19990104	AU19980079459	19980608
CO5040087 A1	20010529	CO19980035619	19980623
DE69817362 D1	20030925	DE19986017362	19980608
DE69817362 T2	20040701	DE19986017362T	19980608
EP0998249 A1	20000510	EP19980929966	19980608
EP0998249 B1	20030820	EP19980929966	19980608
JP2002508688 T2	20020319	JP19990504260T	19980608
JP4213225 B2	20090121	JP19990504260T	19980608
SE512760 C2	20000508	SE19970002430	19970625
SE9702430 A	19981226	SE19970002430D	19970625
SE9702430 A0	19970625	SE19970002430	19970625
SE9702430 L	19981226	SE19970002430	19970625
TNSN98108 A1	20000613	TN1998SN00108	19980623
TNSN98108 A1	20001229	TN1998SN00108	19980623
US6463850 BA	20021015	US20000446260	20000313
WO9858612 A1	19981230	WO1998SE01096	19980608

Priority:

SE19970002430 19970625 WO1998SE01096 19980608

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): HAGRUD ULRIKA ; MOELNYCKE AB ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB ; SCA MOELNYCKE AB

Assignee(s): SCA MOLNYCKE AB ; SCA HYGIENE PRODUCTS AB GOETEBORG GOTENBURG ; SCA HYGIENE PRODUCTS ABSE

Inventor(s): (std): HAGRUD ULRIKA ; ULRIKA HAGRUD

Agent(s): ERNESTO CAVELIER

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

5) Family number: 12299695 (US6138500A)

© PatBase

Title: Method and device for studying the liquid accommodating properties of absorbent products

Abstract: The invention relates to a method of studying the liquid accommodating property of absorbent products. According to the invention, the amount of liquid received by the absorbent product from a vessel is measured continuously, by measuring the amount of liquid removed from the vessel. The invention also relates to apparatus for carrying out the method.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/84 G01F22/00

G01N13/00 (Advanced/Invention);

A61F13/15 (Core/Invention)

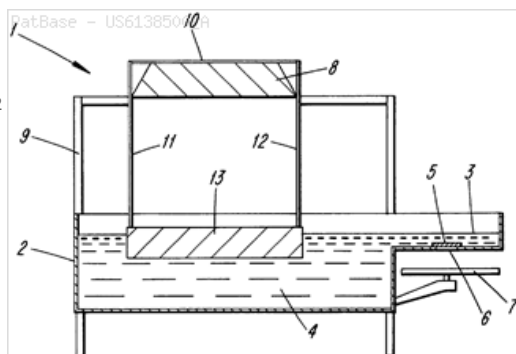
International (IPC 1-7): A61F13/15 G01F22/00 G01N15/08 G01N5/02

CPC: A61F13/15203 A61F13/15 A61F2013/8488 G01F13/006

G01N5/00 G01N13/00

European: A61F13/15J

US: 73/73 73/730



Family:

Publication number	Publication date	Application number	Application date
DE19931042 A1	20000302	DE19991031042	19990706
FR2781569 A1	20000128	FR19990008611	19990705
FR2781569 B1	20030418	FR19990008611	19990705
GB2339477 A1	20000126	GB19990015702	19990705

GB2339477 B2	20020807	GB19990015702	19990705
GB9915702 A0	19990908	GB19990015702	19990705
SE9802430 A0	19980706	SE19980002430	19980706
SE9802430 A0	20000107	SE19980002430	19980706
SE9802430 L	00000000	SE19980002430	19980706
US6138500 A	20001031	US19990343703	19990630

Priority:

SE19980002430 19980706 SE20090080243 19980706

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): MOELNLYCKE AB ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS GOETEB AB

Assignee(s): SCA MOELNLYCKE AB ; SCA HYGIENE PRODUCTS AB ; SCA HYGIENE PRODUCTS AB GOETEBORG ; SCA HYGIENE PRODUCTS ABS

Inventor(s): (std): GRANAT JOHAN ; STEGER CHRISTINA

Inventor(s): JOHAN GRANAT ; CHRISTINA STEGER

Agent(s): BUREAU DA CASALONGA AND JOSSE

6) Family number: 15254155 (US6946584B)

© PatBase

Title: ABSORBENT ARTICLE WITH IMPROVED LIQUID-HANDLING ABILITY

Abstract: An absorbent article has two side edges (9, 10), two end edges (11, 12), a liquid-permeable surface layer (2), a liquid-tight surface layer (3), and an absorption body (4) arranged between the surface layers (2, 3). The absorption body (4) includes at least one intermediate storage part (22-25) arranged along a side edge (9, 10), in direct contact with a liquid transfer part (26). The liquid transfer part (26) has a higher liquid affinity than the intermediate storage layer, so the liquid transfer layer drains from the intermediate storage part (22-25) better than the intermediate storage part (22-25) drains liquid from the liquid transfer part (26).

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/53 A61F13/535 A61F5/44 (Advanced/Invention);

A61F5/44 (Advanced/Non-invention);

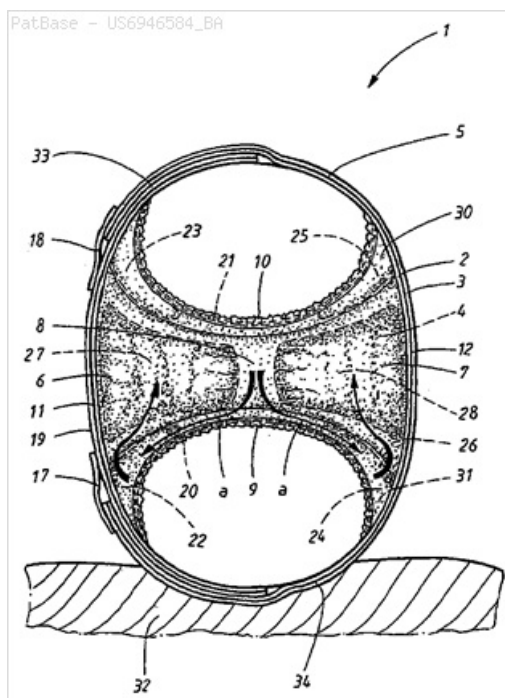
A61F13/15 A61F5/44 (Core/Invention)

International (IPC 1-7): A61F13/15 A61F13/49 A61F13/53 A61F13/535 A61F5/44

CPC: A61F13/515 A61F13/535 A61F13/53708

European: A61F13/515 A61F13/535 A61F13/537B

US: 604/375 604/378 604/385.101



Family:

Publication number	Publication date	Application number	Application date
AT287688 E	20050215	AT20000937425T	20000512
AU200052599 A1	20010102	AU20000052599	20000512
AU200052599 A5	20010102	AU20000052599D	20000512
DE60017746 D1	20050303	DE20006017746	20000512
DE60017746 T2	20060112	DE20006017746T	20000512
DK1196123 T3	20050606	DK20000937425T	20000512
EP1196123 A1	20020417	EP20000937425	20000512
EP1196123 B1	20050126	EP20000937425	20000512
JP2003501213 T2	20030114	JP20010502787T	20000512
MXPA01011675 A1	20030910	MX2001PA11675	20000512
PL351872 A1	20030630	PL20000351872	20000512
SE514214 C2	20010122	SE19990001941	19990528
SE9901941 A	20001129	SE19990001941D	19990528
SE9901941 A0	19990528	SE19990001941	19990528
SE9901941 L	20001129	SE19990001941	19990528
US6946584 BA	20050920	US20000550910	20000417
WO0076446 A1	20001221	WO2000SE00947	20000512

Priority:

SE19990001941 19990528 WO2000SE00947 20000512

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): GUIDOTTI TED ; MALMGREN KENT ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB

Assignee(s): SCA HYGIENE PRODUCTS ABSE ; SCA HYGIENE PRODUCTS AB GOETEBORG GOTENBURG
Inventor(s): (std): GUIDOTTI TED ; KENT MALMGREN ; MALMGREN KENT ; TED GUIDOTTI
Agent(s): BURNS DOANE SWECKER AND MATHIS LLP
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ
 EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR
 LS LT LU LV MA MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ
 TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

7) Family number: 23936394 (WO02077927A1)

© PatBase

Title: DEVICE AND PROCEDURE FOR SURVEILLANCE OF THE USE OF A HYGIENE STATION

Abstract: The invention related to a device for surveillance of the use of a hygiene station (1) or a similar establishment for washing of hands by one or more users, which device comprises a first sensor device (4) arranged in connection with said hygiene station (1), for detection of presence and identification of users who are in its vicinity, and also a control unit (6) to which said first sensor device (4) is connected. The invention is characterized in that the control unit (6) is connected to a second device (7) for detection of the use of a drying device (2) arranged for drying after the use of said hygiene station (1), where the control unit (6) is arranged for gathering and storage of information concerning said detection of presence, identification and use of the drying device (2) based on signals from said first sensor device (4) and said second sensor device (7), respectively. The invention also relates to a procedure for such surveillance, and also a drying device intended to be used at such surveillance. The invention offers an enhanced arrangement and procedure for surveillance of the extend to which a number of users uses a hygiene station, for example a washstand (1), for washing of hands.

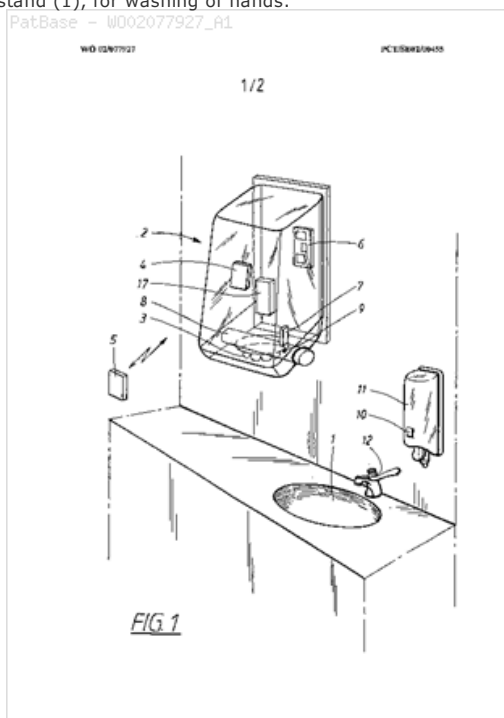
Classifications:

International (IPC 8-9): G07C9/00 (Advanced/Invention);
 G07C9/00 (Core/Invention)

International (IPC 1-7): A47K10/00 G07C1/10 G07C3/10

CPC: A47K2210/00 G07C9/00111 G08B21/245

European: G07C9/00B10 G08B21/24H K47K210/00



Family:

Publication number	Publication date	Application number	Application date
AU2002237619 AA	20021008	AU20020237619	20020313
EP1380014 A1	20040114	EP20020704025	20020313
SE200101025 A	20020924	SE20010001025D	20010323
SE200101025 A0	20010323	SE20010001025	20010323
SE200101025 L	20020924	SE20010001025	20010323
SE523781 C2	20040518	SE20010001025	20010323
WO02077927 A1	20021003	WO2002SE00455	20020313

Priority:

SE20010001025 20010323 WO2002SE00455 20020313

Probable Assignee: SCA HYGIENE PROD AB

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

Inventor(s): (std): BROHAGEN PER ; SALAAKER ALLAN ; SALAKER ALLAN ; PER BROHAGEN ; ALLAN SALAAKER

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

8) Family number: 24110449 (SE518685C)

© PatBase

Title: FOERFARANDE OCH ANORDNING FOER ATT MAETA RETENTION HOS ABSORBERANDE ARTIKLAR Procedure and device for measuring the retention of absorbent articles (Machine translation)

Abstract: Source: SE518685C [SV] Foereliggande uppfinning avser ett foerfarande foer att maeta retention hos absorberande artiklar (20), vilka innehaller en absorptionskropp med en oevre sida, som vid anvandning av artikeln aer vaend mot anvandarens hud, och en undre sida, som aer taeckt av ett vaetsketaett ytskikt, vilket foerfarande innefattar

Machine translation: The present invention concerns a procedure for measuring the retention of absorbent articles (20), which contains a absorptionskropp with an upper side, as the use of the article is turned towards the user's skin, and a lower side, which is covered with a liquid-tight layer, which process comprises the steps of adding a fixed amount of fluid to an area of the article above page, pressing a push-body (1) with a certain force to an area of the article above site and to collect and measure the amount of fluid, thus squeezing the article's top. According to the invention is adjusted to the specific force with which the press body (1) is pressed against the article's top, on a device (2-4) to push the push body against item (20) top with an optional pressure, and the fluids being pushed out of the article upper surface, is transported by means of negative pressure to a measuring vessel (15). The invention also concerns a device for performing the procedure.

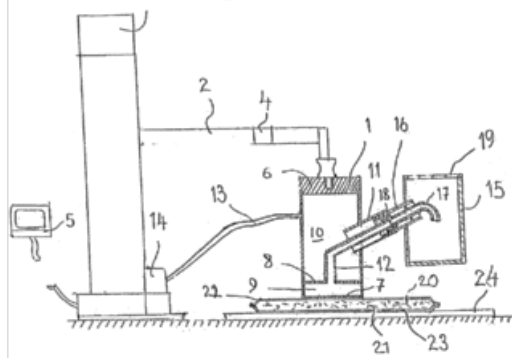
European: G01N5/02



Publication number	Publication date	Application number	Application date
SE200101094 A	20020929	SE20010001094D	20010328
SE200101094 A0	20010328	SE20010001094	20010328
SE200101094 L	20020929	SE20010001094	20010328
SE518685 C2	20021105	SE20010001094	20010328

Inventor(s): JOHAN GRANATH ; KARIN LINDMARK ; BERIT PORSOE ; CHRISTINA STEGER

US: 100/131 141/1 141/114 68/242 73/159 73/73 73/730 73/76

**Family:**

Publication number	Publication date	Application number	Application date
US2002139177 AA	20021003	US20020105325	20020326
US6557398 BB	20030506	US20020105325	20020326

Priority:

US20010279118P 20010328 US20020105325 20020326

Probable Assignee: SCA HYGIENE PRODUCTS AB

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

Assignee(s): SCA HYGIENE PRODUCTS AB ; SCA HYGIENE PRODUCTS S AB

Inventor(s): (std): GRANATH JOHAN ; LINDMARK KARIN ; PORSO BERITH ; STEGER CHRISTINA

10) Family number: 31446242 (US2004239189A)

© PatBase

Title: ELECTRONIC CIRCUIT

Abstract: An electronic device has digital circuitry partitioned into digital circuit blocks, which are connected in series across a power supply, thereby sharing the available supply voltage between them. The device may be a battery-powered wireless communications device, including analog and digital circuitry, wherein the device includes a power supply, which provides a supply voltage which is supplied to the analog circuitry, and wherein the digital circuitry is separated into at least two blocks, which are connected in series across the power supply voltage.

Classifications:

International (ipc 8-9): A61F13/15 A61F13/472 A61F13/49
A61F13/496 A61F13/551 A61F13/72 A61F5/44 H02J7/00 H02M1/00
H02M1/14 (Advanced/Invention);

A61F13/472 H02M1/14 (Advanced/Non-invention);

A61F13/15 A61F13/56 A61F5/44 (Core/Invention)

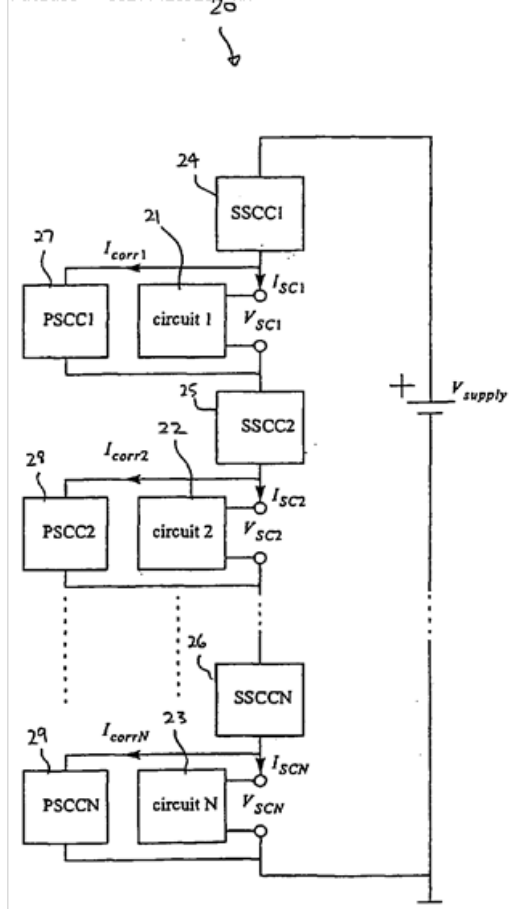
International (ipc 1-7): A61F13/15 A61F13/472 A61F13/49
A61F13/496 A61F13/551 A61F13/72 A61F5/44 H02J1/00 H02J7/00
H02M1/00 H02M1/14

CPC: H02J7/0014 A61F13/5512 Y10T307/414

European: A61F13/551A6 H02J7/00C1

US: 307/32

PatBase - US2004239189_AA

**Family:**

Publication number	Publication date	Application number	Application date
AT301982 E	20050915	AT20020736410T	20020607
AU2002311247 AA	20030108	AU20020311247	20020607

AU2002331318 AA	20030108	AU20020331318	20020619
CO5540364 A2	20050729	CO20030111727	20031222
DE60205640 D1	20050922	DE20026005640	20020607
DE60205640 T2	20060524	DE20026005640T	20020607
DK1424976 T3	20060102	DK20020736410T	20020607
EP1424976 A1	20040609	EP20020736410	20020607
EP1424976 B1	20050817	EP20020736410	20020607
GB200115221 A0	20010815	GB20010015221	20010621
GB2376819 A1	20021224	GB20010015221	20010621
JP2004532705 T2	20041028	JP20030506611T	20020607
KR20040020916 A	20040309	KR20037015873	20020619
PL206397 B1	20100831	PL20020366703	20020607
PL366703 A1	20050207	PL20020366703	20020607
RU2004101960 A	20050327	RU20040101960	20020607
RU2294726 C2	20070310	RU20040101960	20020607
SE200102246 A	20021226	SE20010002246D	20010625
SE200102246 A0	20010625	SE20010002246	20010625
SE200102246 L	20021226	SE20010002246	20010625
US2004239189 AA	20041202	US20040480531	20040726
WO03000164 A1	20030103	WO2002SE01099	20020607
WO03001654 A2	20030103	WO2002EP06788	20020619
WO03001654 A3	20030918	WO2002EP06788	20020619

Priority:

GB20010015221 20010621 SE20010002246 20010625 US20010301126P 20010628
WO2002SE01099 20020607 WO2002EP06788 20020619 US20040480531 20040726

Probable Assignee: TELEFONAKTIEBOLAGET L M ERICSSON BUBL

Assignee(s): (std): SUNDSTROEM LARS ; ERICSSON TELEFON AB L M ; ERICSSON TELEFON L M AB ; SCA ; SCA HYGIENE PROD AB

Assignee(s): TELEFONAKTIEBOLAGET L M ERICSSON ; SCA HYGIENE PRODUCTS AB GOETEBORG GOTENBURG ; SKA KHAJDZHIN PRODAKTS AB ; SUNDSTROM LARS ; SCA HYGIENE PRODUCTS AB ; TELEFONAKTIEBOLAGET L M ERICSSON (BUBL) ; TELEFONAKTIEBOLAGET L M ERICSSON BUBL ; TELEFONAKTIEBOLAGET L M ERICSSON PUBL

Inventor(s): (std): SUNDSTROM LARS ; SUNDSTROEM LARS ; OL SSON KEN ; MIKAEL ANDERSSON ; KEN OLSSON ; ANNA KARIN STORM ; ANDERSSON MIKAEL ; STORM ANNA KARIN ; OLSSON KEN ; ANDERSSON MIKAEL

Inventor(s): LARS SUNDSTROM ; LARS SUNDSTROEM ; ANDERSSON MIKAEL' ; OL'SSON KEN ; STORM ANNA-KARIN

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

11) Family number: 16035759 (WO03053300A1)

© PatBase

Title: BREATHABLE ABSORBENT ARTICLE

Abstract: An absorbent article comprising an upper, liquid-permeable cover layer (2), a lower, liquid-impermeable backsheet (4), an absorbent body (6) arranged between the cover layer (2) and the backsheet (4), and an air-exchange system arranged between the cover layer (2) and the backsheet (4) comprising at least one air-exchange means (5; 43) and at least one air-exchange duct (10) having a longitudinal extension and a cross-sectional area, the air-exchange duct (10) constituting a communicating duct with regard to air communication between the air-exchange means (5;43) and the surroundings of the absorbent article. The air-exchange means (5; 43) comprises a material which is compressible and resilient in all directions, essentially non-absorbent and air-permeable, and the air-exchange duct (10) comprises a compressible and resilient, essentially non-absorbent material, the air-exchange duct displaying air-permeability.

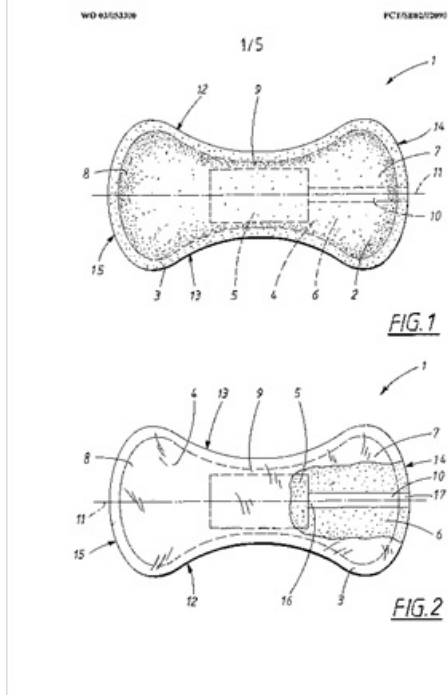
Classifications:

International (IPC 8-9): A61F13/15 (Advanced/Invention);
A61F13/15 (Core/Invention)

International (IPC 1-7): A61F13/15 A61F13/515

CPC: A61F13/15203 A61F13/4702 A61F13/51458 A61F13/51478
A61F13/84 A61F2013/15552 A61F2013/51427 A61F2013/51447

European: A61F13/15C3 A61F13/15J A61F13/47A A61F13/514B1
A61F13/84 K61F13/15J8T1 K61F13/514A4B K61F13/514A6B
K61F13/514C2

**Family:**

Publication number	Publication date	Application number	Application date
AU2002366777 AA	20030709	AU20020366777	20021118
EP1455711 A1	20040915	EP20020791124	20021118
SE200104310 A	20030621	SE20010004310	20011220
SE200104310 A0	20011220	SE20010004310	20011220
SE200104310 L	20030621	SE20010004310	20011220
WO03053300 A1	20030703	WO2002SE02090	20021118

Priority:

SE20010004310 20011220 WO2002SE02090 20021118

Probable Assignee: SCA HYGIENE PROD AB**Assignee(s):** (std): SCA HYGIENE PAPERS AB ; SCA HYGIENE PROD AB**Assignee(s):** SCA HYGIENE PRODUCTS AB**Inventor(s):** (std): FERNFORS INGEMAR**Inventor(s):** INGEMAR FERNFORS

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

12) Family number: 28822908 (US2003125691A)

© PatBase

Title: BREATHABLE ABSORBENT ARTICLE

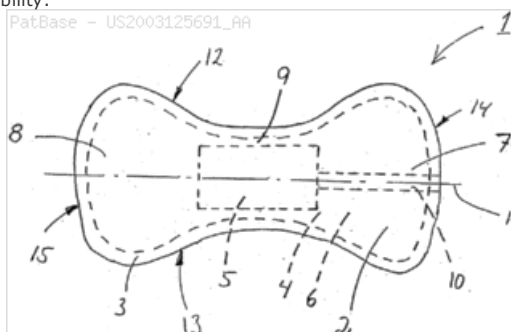
Abstract: An absorbent article having an upper, liquid-permeable cover layer (2), a lower, liquid-impermeable backsheet (4), an absorbent body (6) arranged between the cover layer (2) and the backsheet (4), and an air-exchange system arranged between the cover layer (2) and the backsheet (4) having at least one air-exchange (5; 43) and at least one air-exchange duct (10) having a longitudinal extension and a cross-sectional area, the air-exchange duct (10) constituting a communicating duct with regard to air communication between the air-exchange (5; 43) and the surroundings of the absorbent article. The air-exchange (5; 43) comprises a material which is compressible and resilient in all directions, essentially non-absorbent and air-permeable, and the air-exchange duct (10) has a compressible and resilient, essentially non-absorbent material, the air-exchange duct displaying air-permeability.

Classifications:**International (IPC 8-9):** A61F13/15 (Advanced/Invention);

A61F13/15 (Core/Invention)

International (IPC 1-7): A61F13/15**CPC:** A61F13/4702 A61F13/472 A61F13/84 A61F2013/4537**European:** A61F13/472 A61F13/47A A61F13/84 K61F13/45C2**US:** 604/358 604/367 604/369 604/378 604/384 604/385.01

604/385.010P 604/385.12

**Family:**

Publication number	Publication date	Application number	Application date
US2003125691 AA	20030703	US20020323691	20021220

Priority:

US20010341268P 20011220 US20020323691 20021220

Probable Assignee: SCA HYGIENE PRODUCTS AB**Assignee(s):** (std): SCA HYGIENE PROD AB**Assignee(s):** SCA HYGIENE PRODUCTS AB ; FERNFORS INGEMAR**Inventor(s):** (std): FERNFORS INGEMAR**Agent(s):** BUCHANAN INGERSOLL AND ROONEY PC**13) Family number: 29076495** (WO03082165A2)

© PatBase

Title: ABSORBENT PRODUCT SIDE FLAP ARRANGEMENT

Abstract: An absorbent product (1) has a first end portion (2) with two side flaps (10, 11) extending laterally outwardly on either side of a waist section (8). Each of the side flaps (10, 11) includes an upper edge (12, 13) and a lower edge (15, 25, 16, 26). Each of the side flaps (10, 11) further has an elastic section (33, 34) which is distinct from elastic in the waist section (8). The elastic section (33, 34) extends longitudinally over a portion of the lateral extent of the side flap (10, 11), over only part of the distance between the flap upper edge (12, 13) and lower edge (15, 25, 16, 26). A non-elastic section (29, 30) extends between a lower end (31, 32) of the elastic section (33, 34) and the flap lower edge (15, 25, 16, 26). In this way, elastic material can be saved while maintaining the requisite properties of the side flaps.

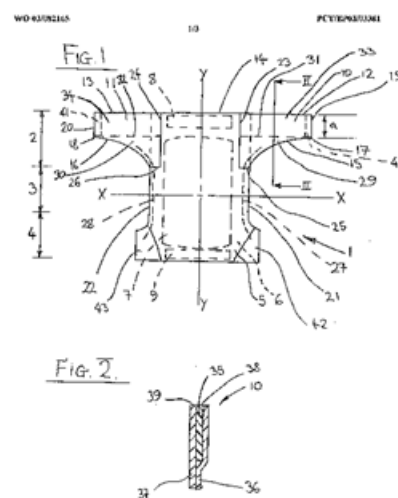
Classifications:**International (ipc 8-9):** A61F13/15 A61F13/49 A61F13/56

A61F5/44 (Advanced/Invention);

A61F13/15 A61F5/44 (Core/Invention)

International (ipc 1-7): A61F13/15 A61F13/49 A61F5/44**CPC:** A61F13/49014**European:** A61F13/49D2D

PatBase - WO03082165_A2

**Family:**

Publication number	Publication date	Application number	Application date
AT390109 E	20080415	AT20020007498T	20020402
AU2003221540 AA	20031013	AU20030221540	20030401
DE60225782 D1	20080508	DE20026025782	20020402
DE60225782 T2	20090409	DE20026025782T	20020402
EP1350493 A1	20031008	EP20020007498	20020402
EP1350493 B1	20080326	EP20020007498	20020402
JP2005521474 T2	20050721	JP20030579710T	20030401
JP4537072 B2	20100901	JP20030579710T	20030401
PL206557 B1	20100831	PL20030371552	20030401
PL371552 A1	20050627	PL20030371552	20030401
RU2004131865 A	20050420	RU20040131865	20030401
RU2306122 C2	20070920	RU20040131865	20030401
WO03082165 A2	20031009	WO2003EP03381	20030401
WO03082165 A3	20040205	WO2003EP03381	20030401

Priority:

EP20020007498 20020402 WO2003EP03381 20030401

Probable Assignee: SCA HYGIENE PROD AB**Assignee(s):** (std): SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB**Assignee(s):** SKA KHAJDZHIN PRODAKTS AB**Inventor(s):** (std): JOHANSSON MIKAEL ; JOKHANSSON MIKAEL**Inventor(s):** JOKHANSSON MIKAEL ; MIKAEL JOHANSSON**Agent(s):** BERGSTRAND MIKAEL GUDMUNDSSON ET AL

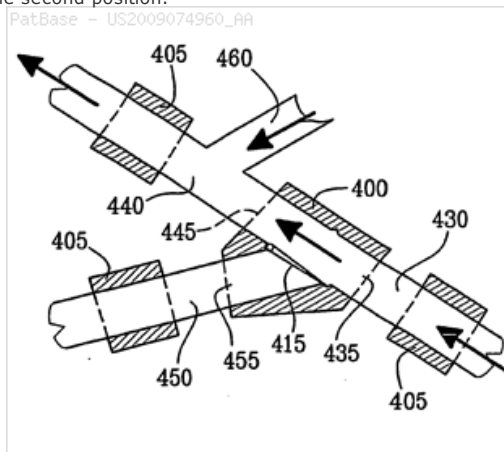
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PH PL PT RO RU SC SD SE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

Title: METHOD AND DEVICE FOR APPLICATION OF PARTICLES IN AN ABSORBENT STRUCTURE

Abstract: An apparatus and a method for applying particles within a pre-determined limited area of an absorbent structure. The apparatus has: a nozzle arranged to dispense the particles on the pre-determined limited area of the absorbent structure; conduit for supplying particles by a gas flow from a particle container to the nozzle; a valve arranged between the nozzle and the particle container; and, a valve vane arranged to direct the gas flow having particles through the valve from a particle inlet to an application outlet when the valve is in a first position and to direct the gas flow having particles through the valve from the particle inlet to a residue outlet when the valve is in a second position. The apparatus also has a device for maintaining a gas flow in the application outlet when the valve is in the second position.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/472 A61F13/49
A61F13/53 B05B12/04 B05B15/04 B05B7/00 B05B7/14 B05C5/02
B05D5/00 B05D7/00 B05D7/24 (Advanced/Invention);
A61F13/15 B05B12/00 B05B7/14 B05C5/02 B05D5/00 B05D7/00
B05D7/24 (Core/Invention)
CPC: Y02P70/36 B05B7/1404 A61F13/15658 B05B14/10
European: A61F13/15M3G B05B15/04A2 B05B7/14A
US: 118/300 118/308 118/308S 251/283 427/197 427/197P 427/203



Family:

Publication number	Publication date	Application number	Application date
CN101309659 A	20081119	CN200580052099	20051215
CN101309659 B	20110302	CN200580052099	20051215
DE602005047303 D1	20150924	DE200560047303T	20051215
EP1959891 A1	20080827	EP20050821998	20051215
EP1959891 A4	20120912	EP20050821998	20051215
EP1959891 B1	20150819	EP20050821998	20051215
JP2009519095 T2	20090514	JP20080545527T	20051215
JP4777438 B2	20110921	JP20080545527T	20051215
US2009074960 AA	20090319	US20050085956	20051215
US7882797 BB	20110208	US20050085956	20051215
WO07069956 A1	20070621	WO2005SE01946	20051215

Priority:

EP20050821998 20051215 WO2005SE01946 20051215

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): FORSBRING GOERAN ; SCA HYGIENE PROD AB

Assignee(s): SCA HYGIENE PRODUCTS AB

Inventor(s): (std): FORSBRING GOERAN ; FORSBRING GORAN ; FOSBLIN G

Inventor(s): GFOSBLIN ; G FOSBLIN

Agent(s): VALEA AB; BUCHANAN INGERSOLL AND ROONEY PC

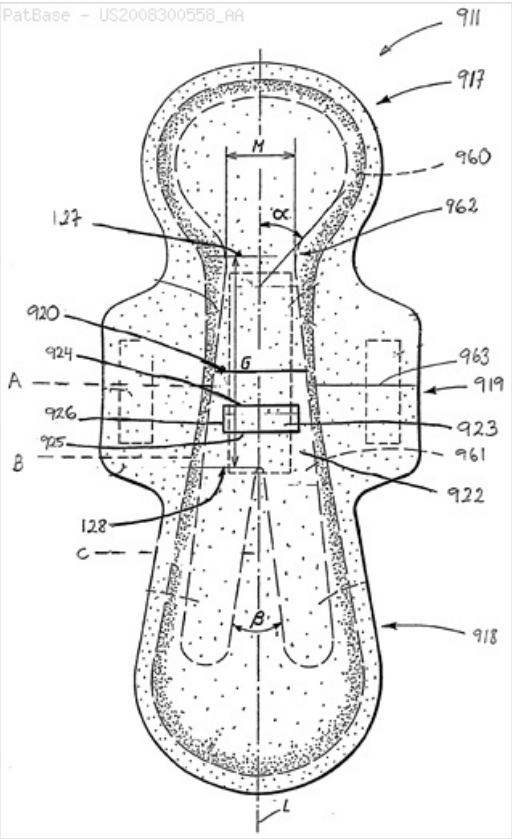
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG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

Title: ARTICLE

Abstract: An absorbent article for female use, which prevents or reduces migration of microorganisms from the anus area to the urogenital area during use. The article includes at least one first microorganism hindering element or section having a front border, a rear border and two side borders, the first element or section being situated so that it will be placed against the perineum of the wearer during use for preventing or reducing migration of microorganisms in the direction from the rear edge to the front edge of the article, the first element being arranged on the top sheet or the section being incorporated in the top sheet.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/472 A61F13/51
A61F13/511 A61F13/56 A61K35/74 A61L15/22 A61L15/36 A61L15/46
C12N1/20 (Advanced/Invention);
A61F13/15 A61F13/56 A61K35/66 A61L15/16
C12N1/20 (Core/Invention)
International (IPC 1-7): A61F13/511
CPC: A61F13/51113 A61F13/51305 A61F13/51394 A61F13/82
A61L15/34 A61F13/47227 A61F13/84 A61F13/8405
European: A61F13/15B1B3B A61F13/15C1 A61F13/15H
A61F13/15H8 A61F13/472B1 A61F13/511 A61F13/84 A61F13/84B
A61L15/34



Family:

Publication number	Publication date	Application number	Application date
AU2005339299 AA	20070628	AU20050339299	20051220
BRPI0520778 A2	20090526	BR2005PI20778	20051220
CA2624281 AA	20080331	CA20052624281	20051220
CN101309660 A	20081119	CN200580052063	20051220
CN101309660 B	20110209	CN200580052063	20051220
EP1965745 A1	20080910	EP20050819110	20051220
IN02519DN2008 A	20080627	IN2008DN02519	20080326
JP2009519805 T2	20090521	JP20080547144T	20051220
RU2008124982 A	20091227	RU20080124982	20051220
RU2394543 C2	20100720	RU20080124982	20051220
US2008300558 AA	20081204	US20050158023	20051220
WO07073246 A1	20070628	WO2005SE01970	20051220

Priority:

RU20080124982 20051220 WO2005SE01970 20051220

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): BERLAND CAROLYN ; FORSGREN BRUSK ULLA ; RUNEMAN BO ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB ; STRIDFELDT CHATRINE

Assignee(s): SKA KHAJDZHIN PRODAKTS AB

Inventor(s): (std): BERLAND CAROLYN ; BERLAND KAROLIN ; BOLAND C ; BRUSK ULLA FORSGREN ; FOSGRUN BRUESCHKE U ; RUNEMAN B ; RUNEMAN BO ; STRIDFEIRT C ; STRIDFEL DT KATRIN ; STRIDFELDT CHATRINE ; FORSGREN BRUSK ULLA

Inventor(s): FORSGREN-BRUSK ULLA ; B RUNEMAN ; STRIDFEL'DT KATRIN ; U FOSGRUN BRUESCHKE ; UFOSGRUN BRUESCHKE ; ULLA FORSGREN BRUSK ; C BOLAND ; C STRIDFEIRT ; CAROLYN BERLAND ; CBOLAND ; CHATRINE STRIDFELDT ; CSTRIDFEIRT ; BRUNEMAN ; BO RUNEMAN

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; FETHERSTONHAUGH AND CO; AXELL KRISTINA ET AL; DRINKER BIDDLE AND REATH (DC); DRINKER BIDDLE AND REATH

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

16) Family number: 34892824 (WO07081244A1)

© PatBase

Title: METHOD FOR PROVIDING A PERFORATION LINE HAVING ENHANCED VISIBILITY ON A FIBROUS WEB MATERIAL, FIBROUS WEB MATERIAL OBTAINED BY THE METHOD AND FIBROUS WEB MATERIAL

Abstract: The present invention relates to a method for providing a perforation line (18) having enhanced visibility on a fibrous web material (2), which comprises providing a perforation knife (4) to be utilized for producing the perforation line (18) during a perforation operation, applying a layer of an ink (10) at least partly to a perforation portion (6) of at least two teeth (5) of the perforation knife (4), positioning the fibrous web material (2) and the perforation knife (4) in relation to each other for enabling an intended perforation operation to be performed and performing the perforation operation. Furthermore, the present invention relates to a fibrous web material (2) obtained by the method and a fibrous web material (2) comprising

at least one perforation line (18), on which the circumference of at least two perforation apertures (19) in each perforation line is at least partly provided with an ink (10) having a colour contrasting with the fibrous material

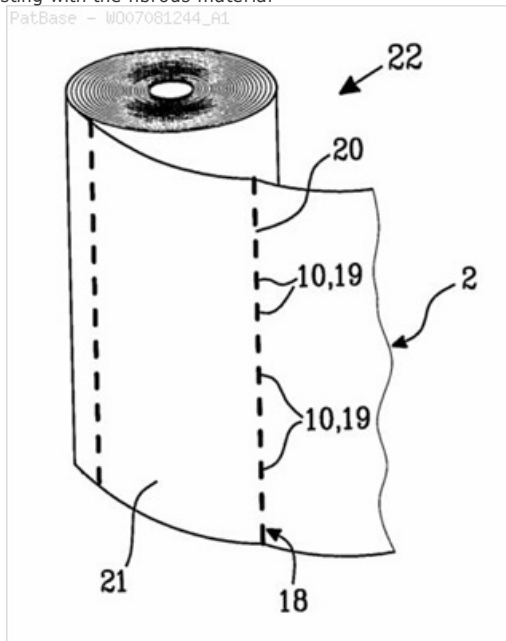
Classifications:

International (IPC 8-9): A47K10/16 (Advanced/Invention);

A47K10/00 (Core/Invention)

CPC: A47K10/16

European: A47K10/16



Family:

Publication number	Publication date	Application number	Application date
WO07081244 A1	20070719	WO2006SE00041	20060111

Priority:

WO2006SE00041 20060111

Probable Assignee: SCA HYGIENE PROD AB

Assignee(s): (std): SAARVAELI EVA LI ; SCA HYGIENE PROD AB

Assignee(s): SCA HYGIENE PRODUCTS AB

Inventor(s): (std): SAARVAELI EVA LI

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

17) Family number: 39601990 (US2009104430A)

© PatBase

Title: LATHER-FORMING TISSUE PAPER PRODUCT

Abstract: The present invention relates to a disposable tissue paper product which feels dry to the touch and includes a lathering surfactant in a form capable of forming lather upon contact with water, wherein the tissue paper product is obtainable by applying the lathering surfactant or a composition containing the lathering surfactant to one or more plies of dry tissue paper web, the lathering surfactant is present in an amount of 0.01 to 6 grams per square metre, and, if a composition containing the lathering surfactant is applied, the total amount of non-volatile components of the composition does not exceed 20 wt.- percent of the dry weight of the one or more tissue paper plies, a process for its manufacture and its use in cleaning hard surfaces.

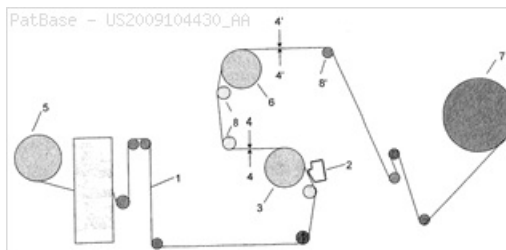
Classifications:

International (IPC 8-9): A47K10/00 A47L13/17 A47L4/00 B05C1/00 B05C5/02 B05D3/12 B05D7/24 B08B1/00 B32B29/00 C11D1/14 C11D1/29 C11D1/66 C11D1/90 C11D1/94 C11D17/04 D21H21/24 D21H23/22 D21H27/00 (Advanced/Invention); A47K10/00 B05D3/12 D21H27/00 (Core/Invention)

CPC: Y10T428/249999 C11D1/525 C11D1/75 D21H23/46 D21H27/002 C11D1/146 C11D1/66 C11D1/90 C11D1/94 C11D1/29 D21H23/22 A47L4/00 A47L13/17 B08B1/006 B32B29/002 C11D17/049 D21H21/24 D21H27/008 D21H27/30

European: C11D17/04F D21H27/00D D21H27/30 M11D1/52H M11D1/75 N21H21/24 N21H23/46 N21H27/00D4

US: 15/104.93 427/358 427/358S 428/322.7 428/322.700P



Family:

Publication number	Publication date	Application number	Application date
AU2007234024 AA	20071011	AU20070234024	20070328
AU2007234024 BB	20110804	AU20070234024	20070328
BRPI0709907 A2	20110802	BR2007PI09907	20070328
CL2007000895 A1	20080125	CL20070000895	20070330
CN101415884 A	20090422	CN200780011974	20070328
CN101415884 B	20130206	CN200780011974	20070328
CO6141483 A2	20100319	CO20080116973	20081031
DE602007023341 D1	20120809	DE200760023341T	20070328
EP2002058 A1	20081217	EP20070723715	20070328
EP2002058 B1	20120613	EP20070723715	20070328
ES2386984 T3	20120910	ES20070723715T	20070328

MX2008012042 A1	20081007	MX20080012042	20070328
RU2008143380 A	20100510	RU20080143380	20070328
RU2434981 C2	20111127	RU20080143380	20070328
US2009104430 AA	20090423	US20070282884	20070328
US2016304818 AA	20161020	US20160194110	20160627
WO07112916 A1	20071011	WO2007EP02771	20070328

Priority:

EP20060003001 20060401 WO2006EP03001 20060401 EP20070723715 20070328
WO2007EP02771 20070328 US20080282884 20080915 US20160194110 20160627

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): CORDIAL LESLEY ; DREWES MAGDANZ PAUL ; MAULER DIRK ; SCA HYGIENE PROD GMBH ; SCHINKOREIT WOLFRAM ; STEUER HEIKO ; SCA HYGIENE PROD AB ; SKA KHAJDZHN PRODAKTS GMBKH

Assignee(s): SCA HYGIENE PRODUCTS AB ; SCA HYGIENE PRODUCTS GMBH ; ESSITY OPERATIONS MANNHEIM GMBH

Inventor(s): (std): DIRK MAULER ; DREVES MAGDANTS PAUL ; CORDIAL LESLEY ; DREWES MAGDANZ PAUL ; HEIKO STEUER ; KORDIAL LESLI ; LESLEY CORDIAL ; MAULER DIRK ; PAUL DREWES MAGDANZ ; SCHINKOREIT WOLFRAM ; SHINKORAJT VOL FRAM ; SHTOJER KHEJKO ; STEUER HEIKO ; STEUTER HEIKO ; WOLFRAM SCHINKOREIT

Inventor(s): CORDIAL ; WOLFRAM ; STEUER ; SHINKORAJT VOL'FRAM ; SCHINKOREIT ; PAUL ; MAULER ; LESLEY ; HEIKO STEUTER ; HEIKO ; DIRK ; DREVES-MAGDANTS PAUL' ; DREWES MAGDANZ

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; HARNECKER; HOFFMANN EITL PATENT U RECHTSANWAELTE PARTMBB; HOFFMANN EITL; YOUNG AND THOMPSON

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

18) Family number: 42797317 (US2011015604A)

© PatBase

Title: URINE ABSORBENT POUCH FOR MALE INCONTINENCE

Abstract: A urine absorbent pouch for male incontinence includes an absorbent core enclosed between two casing sheets. The casing sheets are extended beyond the lateral sides of the absorbent core and beyond the opposite longitudinal ends thereof and are attached to each other in the parts extending beyond the absorbent core. The unit of casings sheets and enclosed absorbent core are folded around a lateral fold line so that two parts of the unit are folded in over each other. The two pairs of attached casing sheets extending beyond the respective lateral side of the folded unit are sealed to each other by a seam extending from the fold line in a longitudinal direction and ending a distance from the ends of the folded unit. The two parts of the unit include a through-going hole, attaching means, and an elastic member provided along the peripheral edge of the hole.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/45 A61F13/471

A61F13/494 (Advanced/Invention);

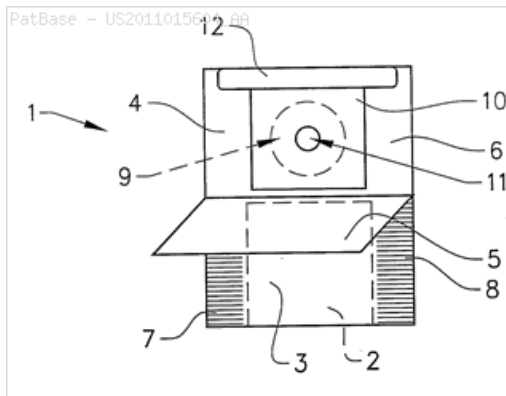
A61F13/15 A61F13/494 (Advanced/Non-invention);

A61F13/15 (Core/Invention)

CPC: A61F13/471 A61F13/15804

European: A61F13/471

US: 604/385.03 604/385.030P



Family:

Publication number	Publication date	Application number	Application date
BRPI0721860 A2	20130305	BR2007PI21860	20070709
CN101686885 A	20100331	CN200780053693	20070709
EP2175820 A1	20100421	EP20070769061	20070709
EP2175820 A4	20101124	EP20070769061	20070709
RU2416384 C1	20110420	RU20100104432	20070709
US2011015604 AA	20110120	US20070667160	20070709
WO09008790 A1	20090115	WO2007SE50515	20070709

Priority:

WO2007SE50515 20070709

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): BAECK LUCAS ; SCA HYGIENE PROD AB ; SCA SANITARY PRODUCTS CO LTD

Assignee(s): SKA KHAJDZHN PRODAKTS AB ; SCA HYGIENE PRODUCTS AB ; SCA SANITARY PRODUCTS CO

Inventor(s): (std): BAECK LUCAS ; BEKK LUKAS ; LUCAS BAECK

Agent(s): HYLTNER JAN OLOF; BUCHANAN INGERSOLL AND ROONEY PC; ALBIHNS SE

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

Title: DISPOSABLE PUMP, A DISPENSING SYSTEM COMPRISING A PUMP AND A METHOD FOR DISPENSING LIQUID

Abstract: A disposable pump for a liquid dispensing system including a compressible container, includes a housing forming a chamber and a dispensing opening wherein the pressure in the chamber may be varied for pumping liquid from the container to the chamber, and from the chamber to the dispensing opening, and a regulator fixedly arranged in the chamber for regulating a flow of liquid between the container and the chamber and between the chamber and the dispensing opening, the regulator including an outer valve for regulating the flow between the chamber and the dispensing opening. The pump may assume a closed position, in which a volume of liquid is drawn from the container to the chamber by a negative pressure created in the chamber, and a dispensing position, in which a volume of liquid is drawn from the chamber to the dispensing opening. The outer valve is displaceable between a symmetrical position corresponding to the closed position, where the outer valve is in sealing contact with the housing, and a tilted position corresponding to the dispensing position, where the outer valve is movable to and from sealing contact with the housing dependent on the pressure in the chamber, and the displacement of the outer valve from the symmetrical position to the tilted position requiring external force being applied to the pump and transferred to the regulator independent of the pressure variations in the chamber.

Classifications:

International (IPC 8-9): A47K5/12 B05B11/00 B65D37/00

B65D47/20 B67D7/00 (Advanced/Invention);

A47K5/00 B05B11/00 B65D47/04 (Core/Invention)

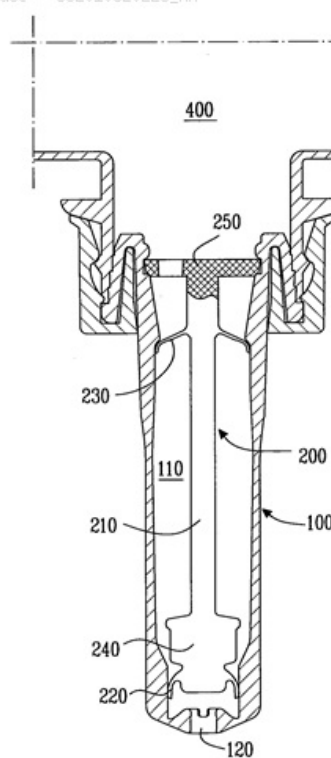
CPC: A47K5/1209

European: A47K5/12C2B

US: 222/1 222/207 222/207P 222/209 222/212 222/213 222/214

222/214S

PatBase - US2010320226_AA



Family:

Publication number	Publication date	Application number	Application date
AU2008350974 AA	20090827	AU20080350974	20080218
AU2008350974 BB	20150813	AU20080350974	20080218
BRPI0822312 A2	20150616	BR2008PI22312	20080218
CA2712230 AA	20090827	CA20082712230	20080218
CA2712230 C	20151103	CA20082712230	20080218
CN101945603 A	20110112	CN200880126868	20080218
CN101945603 B	20130821	CN200880126868	20080218
CO6241088 A2	20110120	CO20100111948	20100909
DK2262404 T3	20171127	DK20080712721T	20080218
EP2262404 A1	20101222	EP20080712721	20080218
EP2262404 A4	20160413	EP20080712721	20080218
EP2262404 B1	20170823	EP20080712721	20080218
ES2647212 T3	20171220	ES20080712721T	20080218
MX2010007232 A1	20110223	MX20100007232	20080218
RU2435511 C1	20111210	RU20100138594	20080218
TR201717481 T4	20171221	TR20170017481T	20080218
US2010320226 AA	20101223	US20080918062	20080218
US8695856 BB	20140415	US20080918062	20080218
WO09104993 A1	20090827	WO2008SE00129	20080218

Priority:

EP20080712721 20080218 WO2008SE00129 20080218 RU20100138594 20080218
CO20100111948 20100909

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): NILSSON HUGO ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB

Assignee(s): SKA KHAJDZHIN PRODAKTS AB ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG

Inventor(s): (std): HUGO NILSSON ; NILSSON HUGO ; NIL SSON KHUGO

Inventor(s): NIL'SSON KHUGO

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY

LTD; RIDOUT AND MAYBEE LLP; LUZ CLEMENCIA DE PAEZ; VALEA AB; ELZABURU SLP ELZABURU SLP;
UGUR GUERSAD YALCINER; YOUNG AND THOMPSON; DRINKER BIDDLE AND REATH LLP

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

20) Family number: 43649305 (US2010327019A)

© PatBase

Title: DISPOSABLE PUMP WITH SUCK-BACK MECHANISM

Abstract: A disposable pump for a liquid dispensing system having a compressible container, includes a chamber in which the pressure may be varied for pumping liquid from the container to the chamber, and further from the chamber to a dispensing opening, the chamber enclosing an inner valve for regulating a flow of liquid between the container and the chamber, and an outer valve for regulating a flow of liquid between the chamber and the dispensing opening. The pump may assume a closed position, in which a volume of liquid is drawn from the container to the chamber by a negative pressure created in the chamber, and a dispensing position, in which a volume of liquid is drawn from the chamber to the dispensing opening. The inner valve is a one-way valve, which opens for a flow of liquid in the dispensing direction at an inner valve opening pressure acting in the dispensing direction, and closes for any pressure acting in an opposite direction. The outer valve is a two-way valve, which opens for a flow of liquid in the dispensing or opposite direction.

Classifications:

International (IPC 8-9): A47K5/12 B05B11/00 B65D35/40

B65D37/00 B65D47/20 (Advanced/Invention);

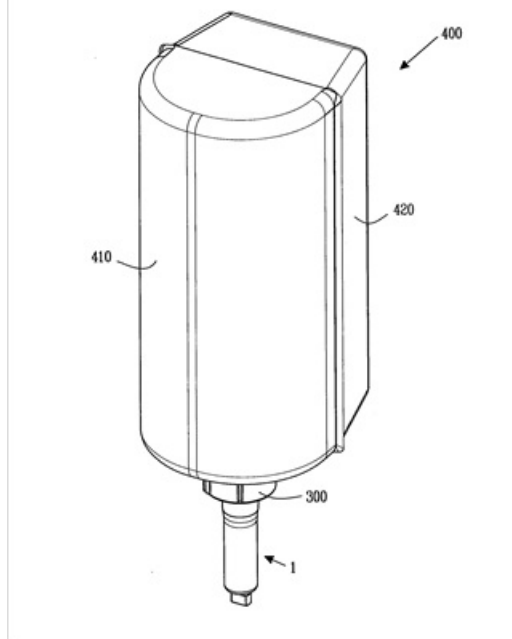
A47K5/00 B05B11/00 B65D47/04 (Core/Invention)

CPC: A47K5/1209

European: A47K5/12C2B

US: 222/207 222/207S 222/212 222/213 222/214

PatBase - US2010327019_AA



Family:

Publication number	Publication date	Application number	Application date
AU2008350975 AA	20090827	AU20080350975	20080218
AU2008350975 BB	20150625	AU20080350975	20080218
BRPI0822311 A2	20150707	BR2008PI22311	20080218
CA2716003 AA	20090827	CA20082716003	20080218
CA2716003 C	20150915	CA20082716003	20080218
CN101945604 A	20110112	CN200880126869	20080218
CN101945604 B	20130814	CN200880126869	20080218
CO6241087 A2	20110120	CO20100111267	20100908
EP2242409 A1	20101027	EP20080712722	20080218
EP2242409 A4	20160406	EP20080712722	20080218
RU2010138593 A	20120327	RU20100138593	20080218
RU2452672 C2	20120610	RU20100138593	20080218
US2010327019 AA	20101230	US20080918063	20080218
US8708200 BB	20140429	US20080918063	20080218
WO09104994 A1	20090827	WO2008SE00130	20080218

Priority:

RU20100138593 20080218 WO2008SE00130 20080218 CO20100111267 20100908

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): NILSSON HUGO ; SCA HYGIENE PROD AB

Assignee(s): SCA HYGIENE PRODUCTS AB ; SKA KHAJDZHIN PRODAKTS AB ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG

Inventor(s): (std): HUGO NILSSON ; NIL SSON KHUGO ; NILSSON HUGO

Inventor(s): NIL'SSON KHUGO

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP; LUZ CLEMENCIA DE PAEZ; VALEA AB; YOUNG AND THOMPSON; DRINKER BIDDLE AND REATH LLP

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

21) Family number: 43649306 (US2011036863A)

© PatBase

Title: DISPOSABLE DISPENSING SYSTEM COMPRISING A COLLAPSIBLE CONTAINER, A DISPENSER AND A METHOD FOR DISPENSING LIQUID FROM SUCH DISPENSING SYSTEM

Abstract: The present invention relates to a disposable dispensing system comprising

- a collapsible container (400) for liquid material and
 - a pump (1) being sealingly connected to the collapsible container (400) for withdrawal of liquid material from the container (400) during collapse thereof,
 - the pump (1) comprising
 - a housing (400) forming a chamber (110) and a dispensing opening (120), wherein the pressure in the chamber (110) may be varied for pumping liquid from the container (400) to the chamber (110), and further from the chamber (110) to a dispensing opening (120),
 - and a regulator (200) being fixedly arranged in the chamber (110) for regulating a flow of liquid between the container (400) and the chamber (110), and between the chamber (110) and the dispensing opening (120),
 - wherein the pump (1) may assume a closed position, in which a volume of liquid is drawn from the container (400) to the chamber (110) by means of a negative pressure created in the chamber (110),
 - and a dispensing position, in which a volume of liquid is drawn from the chamber (110) to the dispensing opening (120).
- The dispensing system is characterized by the pump (1) consisting of plastic materials; and the pump (1) comprising
- return means automatically returning the pump (1) from said dispensing position to said closed position, whereby the return means uses the resiliency of said plastic material for overcoming a negative pressure created in the collapsible container (400) during emptying thereof.

Classifications:

International (IPC 8-9): A47K5/12 B05B11/00 B65D37/00

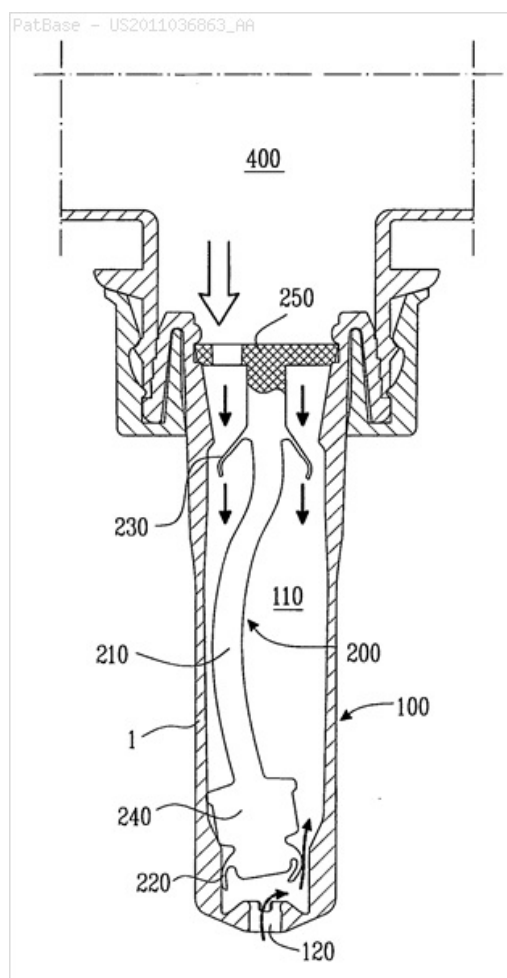
B65D47/20 B65D83/16 (Advanced/Invention);

A47K5/00 B05B11/00 B65D47/04 (Core/Invention)

CPC: A47K5/1209

European: A47K5/12C2B

US: 222/207 222/207P 222/209 222/213 222/214 222/92



Family:

Publication number	Publication date	Application number	Application date
AU2008350973 AA	20090827	AU20080350973	20080218
AU2008350973 BB	20140814	AU20080350973	20080218
BRPI0822308 A2	20150616	BR2008PI22308	20080218
CA2715994 AA	20090827	CA20082715994	20080218
CN101952178 A	20110119	CN200880127032	20080218
CN101952178 B	20121205	CN200880127032	20080218
CO6300853 A2	20110721	CO20100115353	20100917
EP2259982 A1	20101215	EP20080712720	20080218
EP2259982 A4	20170621	EP20080712720	20080218
MX2010009008 A1	20100907	MX2010009008	20080218
RU2442733 C1	20120220	RU20100138598	20080218
US2011036863 AA	20110217	US20080918061	20080218
US8701942 BB	20140422	US20080918061	20080218
WO09104992 A1	20090827	WO2008SE00128	20080218

Priority:

Probable Assignee: SCA HYGIENE PRODUCTS AB**Assignee(s):** (std): NILSSON HUGO ; SCA HYGIENE PROD AB**Assignee(s):** SCA HYGIENE PRODUCTS AB ; SKA KHAJDZHIN PRODAKTS AB ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG**Inventor(s):** (std): HUGO NILSSON ; NILSSON HUGO ; NIL SSON KHUGO**Inventor(s):** NIL'SSON KHUGO**Agent(s):** WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; LUZ CLEMENCIA DE PAEZ; VALEA AB; YOUNG AND THOMPSON; DRINKER BIDDLE AND REATH LLP**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**22) Family number: 43782000** (US2009241419A)

© PatBase

Title: START-UP PROCESS FOR A UNIT FOR PRODUCING HIGHLY THERMALLY-INTEGRATED HYDROGEN BY REFORMING A HYDROCARBON FEEDSTOCK**Abstract:** The invention relates to a start-up process for a unit for producing highly thermally-integrated hydrogen by reforming a hydrocarbon feedstock that comprises a stage a wherein a burner whose purpose is to ensure start-up is supplied with a mixture of hydrocarbon feedstock and air, a stage b wherein a water stream is evaporated by indirect heat exchange with at least one of the hot streams of the process, a stage c wherein the hydrocarbon feedstock to be reformed is evaporated and heated and then introduced in gaseous form in a reforming reactor, and a stage d wherein the start-up burner is shut down, and a burner that is in permanent operation is lit.**Classifications:****International (IPC 8-9):** A61F13/15 B01J7/00 B01J8/00 C01B3/02 C01B3/32 C01B3/36 C01B3/38 C01B3/48 C01B6/24 C10J3/54 (Advanced/Invention);

C01B3/48 (Advanced/Non-invention);

C01B3/00 (Core/Invention)

International (IPC 1-7): C01B3/38 C01B3/48**CPC:** Y02P20/128 Y02P20/129 C01B3/38 C01B3/323 C01B3/382

C01B3/48 C01B2203/0233 C01B2203/0244 C01B2203/0283

C01B2203/0405 C01B2203/042 C01B2203/044 C01B2203/0811

C01B2203/0822 C01B2203/0888 C01B2203/0894 C01B2203/1229

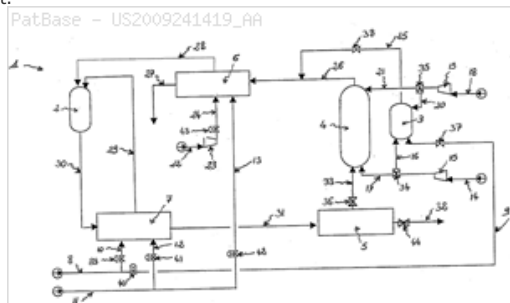
C01B2203/1294 C01B2203/1604

European: C01B3/32B C01B3/38 C01B3/38A C01B3/48

M01B203/02B4B M01B203/02B4F M01B203/02H M01B203/04B

M01B203/04F M01B203/04H2 M01B203/08B2 M01B203/08B2D

M01B203/08D6 M01B203/08D6B M01B203/12B2B4 M01B203/12H2 M01B203/16B

US: 422/625 423/644 423/648.1 48/197.00R 48/197R 48/199FM 48/61**Family:**

Publication number	Publication date	Application number	Application date
BRPI0909250 A2	20151013	BR2009PI09250	20090324
CN101980952 A	20110223	CN200980111263	20090324
CN101980952 B	20131120	CN200980111263	20090324
DE602009018899 D1	20131114	DE200960018899T	20090324
EP2262725 A1	20101222	EP20090738289	20090324
EP2262725 B1	20130918	EP20090738289	20090324
IN06107CN2010 A	20110520	IN2010CN06107	20100928
MY150276 A	20131231	MY20100004413	20090324
MY154618 A	20150715	MY20100004412	20080418
US2009241419 AA	20091001	US20080057897	20080328
US8163046 BB	20120424	US20080057897	20080328
WO09133255 A1	20091105	WO2009FR00322	20090324

Priority:

US20080057897 20080328

EP20090738289 20090324

WO2009FR00322 20090324

Probable Assignee: IFP**Assignee(s):** (std): BERTHOLIN STEPHANE ; BOYER CHRISTOPHE ; GIROUDIERE FABRICE ; IFP ENERGIES NOUVELLES ; INST FRANCAIS DU PETROLE ; SATTAR AZIZ ; SCA HYGIENE PROD AB**Assignee(s):** SCA HYGIENE PRODUCTS AB ; IFP**Inventor(s):** (std): AZIZ SATTAR ; BERTHOLIN STEPHANE ; BOYER CHRISTOPHE ; CHRISTOPHE BOYER ; FABRICE GIROUDIERE ; GIROUDIERE FABRICE ; SATTAR AZIZ ; STEPHANE BERTHOLIN ; MARYAM TONDKAR ; MARIA FERNKVIST**Inventor(s):** FERNKVIST MARIA ; TONDKAR MARYAM**Agent(s):** MILLEN WHITE ZELANO AND BRANIGAN PC; ELMALEH ALFRED**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**23) Family number: 46560602** (US2011277340A)

© PatBase

Title: DEVICE AND METHOD FOR DRYING A TISSUE PAPER WEB WITH STEAM RECAPTURE

Abstract: Method for steam recapture in the drying of a tissue paper web with a cylinder that is fed from a live steam network and with a hot air hood that flows hot air onto the tissue paper web, includes the steps of: removing condensate from the cylinder; compressing the condensate to a first pressure level essentially corresponding to that of the live steam network; heating the condensate by heat exchange with the exhaust air from the hot air hood; vaporizing the condensate; and feeding generated steam into the live steam network.

Classifications:

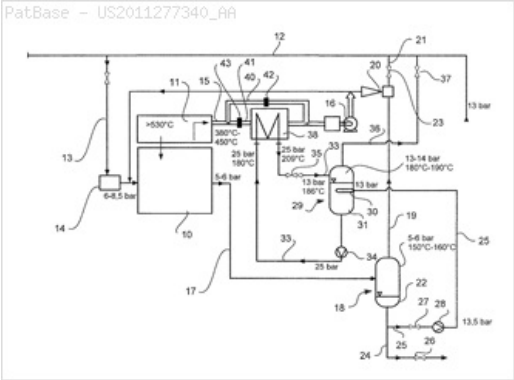
International (IPC 8-9): D21F5/02 D21F5/04 D21F5/20 F26B3/00 F26B9/00 (Advanced/Invention);

D21F5/00 (Core/Invention)

CPC: D21F5/02 D21F5/20

European: D21F5/02 D21F5/20

US: 34/114 34/119 34/124 34/421 34/425 34/444 34/444P 34/449 34/470 34/477 34/618 34/618S



Family:

Publication number	Publication date	Application number	Application date
AU2009339804 AA	20100819	AU20090339804	20091222
AU2009339804 BB	20151126	AU20090339804	20091222
CA2750937 AA	20100819	CA20092750937	20091222
CA2750937 C	20161018	CA20092750937	20091222
CN102317541 A	20120111	CN200980156631	20091222
CN102317541 B	20141203	CN200980156631	20091222
CO6420363 A2	20120416	CO20110114462	20110906
DE502009005699 D1	20130207	DE200950005699T	20091222
ECSP11011269 A	20110930	EC2011SP11269	20110811
EP2396469 A1	20111221	EP20090801211	20091222
EP2396469 B1	20121212	EP20090801211	20091222
ES2397994 T3	20130312	ES20090801211T	20091222
MX2011008424 A1	20110906	MX20110008424	20091222
NZ594515 A	20130125	NZ20090594515	20091222
RU2011137402 A	20130320	RU20110137402	20091222
RU2517803 C2	20140527	RU20110137402	20091222
US2011277340 AA	20111117	US20090146958	20091222
US8925217 BB	20150106	US20090146958	20091222
WO10091765 A1	20100819	WO2009EP67753	20091222

Priority:

DE200910000756 20090211 EP20090801211 20091222 WO2009EP67753 20091222

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): DEXLER BRUNO ; HEINTZ JOSEF ; HIEKE JAN ; SCA HYGIENE PROD AB ; WIENS MARTIN

Assignee(s): SKA KHAJDZHIN PRODAKTS AB ; SCA HYGIENE PRODUCTS AB ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG

Inventor(s): (std): BRUNO DEXLER ; DEKSLE BRUNO ; DEXLER BRUNO ; HEINTZ JOSEF ; HIEKE JAN ; JAN HIEKE ; JOSEF HEINTZ ; KHAJNTTS JOZEF ; KHIKE JAN ; MARTIN WIENS ; VINS MARTIN ; WIENS MARTIN ; WIENS MARTIN DR

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP; HOFFMANN EITLE PATENT U RECHTSANWAELTE PARTMBB; HOFFMANN EITLE; UNGRIA JAVIER; DRINKER BIDDLE AND REATH LLP; WIEDEMANN PETER ET AL

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

24) Family number: 49382962 (WO11091843A1)

© PatBase

Title: SYSTEM FOR FOLDING AN OUTER PORTION, IN PARTICULAR A FLAP, OF AN ABSORBENT ARTICLE AND METHOD OF FOLDING AN OUTER PORTION OF AN ABSORBENT ARTICLE

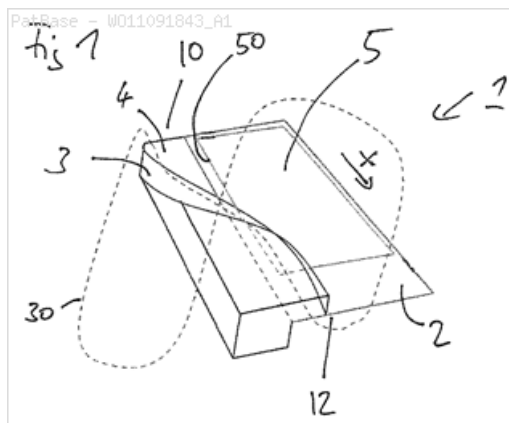
Abstract: The present disclosure pertains to a system (1) for and a method of folding an outer portion (72), in particular a flap, an ear, a belt or a fastener component, of an absorbent article (7), in particular of a diaper, an incontinence product, a feminine hygiene product or the like, towards the central portion (70) of the absorbent article, in particular towards the central chassis of the absorbent article. The system comprises: a main conveyer (2) for moving the absorbent article in a conveying direction (X) such that the outer portion of the absorbent article extends in a direction perpendicular to the conveying direction, the system being characterized by at least one folding conveyer (3) movable substantially in the conveying direction of the main conveyer, the folding conveyer being provided with holding means (4) for holding the outer portion of the absorbent article, wherein the holding means are arranged to be guided along a trajectory for folding of the outer portion of the absorbent article towards its central portion.

Classifications:

International (IPC 8-9): A61F13/15 (Advanced/Invention)

CPC: A61F13/15747 A61F13/15756 A61F13/15764

European: A61F13/15M6F A61F13/15M7 A61F13/15M8



Family:

Publication number	Publication date	Application number	Application date
WO11091843 A1	20110804	WO2010EP50908	20100127

Priority:

WO2010EP50908 20100127

Probable Assignee: SCA HYGIENE PROD AB

Assignee(s): (std): BARNE OLLE ; SCA HYGIENE PROD AB

Assignee(s): SCA HYGIENE PRODUCTS AB

Inventor(s): (std): BARNE OLLE

Agent(s): WIEDEMANN PETER ET AL

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

25) Family number: 49392356 (US2013225506A)

© PatBase

Title: TEMPLATE-FIXED PEPTIDOMIMETICS WITH CXCR7 MODULATING ACTIVITY

Abstract: Novel template-fixed beta-hairpin peptidomimetics of the general formula (I), wherein the single elements T or P are alpha-amino acid residues connected from the carbonyl (C=O) point of attachment to the nitrogen (N) of the next element in clockwise direction and wherein said elements, depending on their positions in the chain, are defined in the description and the claims have the property to act on the receptor CXCR7. Thus, these beta-hairpin peptidomimetics can be useful in the treatment or prevention of diseases or conditions in the area of dermatological disorders, metabolic diseases, inflammatory diseases, fibrotic diseases, infectious diseases, neurological diseases, cardiovascular diseases, respiratory diseases, gastro-intestinal tract disorders, urological diseases, ophthalmic diseases, stomatological diseases, haematological diseases and cancer; or the mobilisation of stem cells.

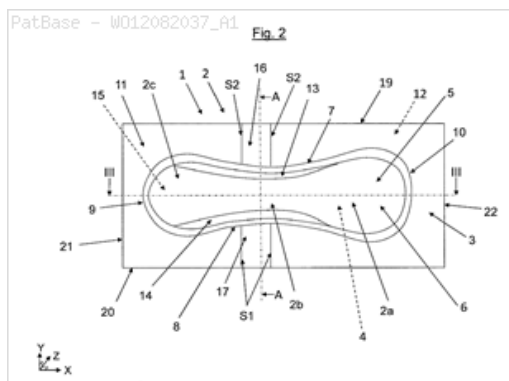
Classifications:

International (IPC 8-9): A61F13/15 A61F13/472 A61F13/475 A61F13/551 A61K31/12 A61K38/00 A61K38/12 A61K38/17 A61P1/00 A61P1/02 A61P1/04 A61P11/00 A61P11/06 A61P13/00 A61P17/00 A61P17/02 A61P17/06 A61P19/02 A61P19/04 A61P25/00 A61P27/02 A61P27/04 A61P27/06 A61P27/14 A61P29/00 A61P3/00 A61P3/10 A61P31/00 A61P31/12 A61P31/18 A61P35/00 A61P35/02 A61P35/04 A61P37/06 A61P43/00 A61P5/14 A61P7/00 A61P7/02 A61P9/00 A61P9/04 A61P9/10 A61P9/12 B65D85/00 C07K C07K14/705 C07K14/715 C07K7/52 C07K7/64 (Advanced/Invention); A61K C07K (Subclass/Invention)

CPC: A61K38/00 A61K38/17 A61K38/177 A61K38/1793 C07K14/705 C07K14/715 C07K14/7158 A61F13/5514 A61F13/47272 A61F13/475 A61F13/55135 C07K7/64

European: A61F13/551B2B C07K7/64

US: 1/1 514/21.1 530/321 604/385.02



Family:

Publication number	Publication date	Application number	Application date
AU2011212412 AA	20110811	AU20110212412	20110204
AU2011212412 BB	20150507	AU20110212412	20110204
BR112013015053 A2	20160809	BR20131115053	20101217
CA2789119 AA	20110811	CA20112789119	20110204
CN102844327 A	20121226	CN201180015668	20110204
CN102844327 B	20161026	CN201180015668	20110204
CN103260562 A	20130821	CN201080070683	20101217
CN103260562 B	20160525	CN201080070683	20101217
DE602011026385 D1	20160623	DE201160026385T	20110204
EP2531520 A1	20121212	EP20110702229	20110204
EP2531520 B1	20160511	EP20110702229	20110204
EP2651358 A1	20131023	EP20100860867	20101217
EP2651358 A4	20141105	EP20100860867	20101217
ES2586817 T3	20161019	ES20110702229T	20110204
IL221316 A0	20121031	IL20110221316	20110204

IL221316 A1	20161229	IL20110221316	20110204
IN02047KN2012 A	20130322	IN2012KN02047	20120806
JP2013518862 T2	20130523	JP20120551639T	20110204
JP5955780 B2	20160720	JP20120551639T	20110204
NZ601803 A	20140430	NZ20110601803	20110204
RU2533103 C1	20141120	RU20130132942	20101217
SA3575 B1	20140825	SA20110320933	20111119
SG183180 A1	20120927	SG20120057907	20110204
US2013225506 AA	20130829	US20110577143	20110204
US2014066876 AA	20140306	US20100113080	20101217
US2015307556 AA	20151029	US20150795694	20150709
US9109009 BB	20150818	US20110577143	20110204
US9125774 BB	20150908	US20100113080	20101217
US9637520 BB	20170502	US20150795694	20150709
WO11095218 A1	20110811	WO2010EP51417	20100205
WO11095607 A1	20110811	WO2011EP51686	20110204
WO12082037 A1	20120621	WO2010SE51417	20101217
ZA201206263 A	20150624	ZA20120006263	20120820

Priority:

EP20100051417 20100205
EP20110702229 20110204
US20150795694 20150709

WO2010EP51417 20100205
WO2011EP51686 20110204

WO2010SE51417 20101217
US20120577143 20121001

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): GOMBERT FRANK OTTO ; JOHANSSON CHARLOTTE ; LEDERER ALEXANDER ; PATEL KALPANA ; OBRECHT DANIEL ; LOEWE RALF ; ROMAGNOLI BARBARA ; POLYPHOR AG ; ZIMMERMANN JOHANN ; SCA HEGIN PRODUCTS AB ; SCA HYGIENE PROD AB

Assignee(s): SCA HYGIENE PRODUCTS AB ; SKA KHAJDZHIN PRODAKTS AB

Inventor(s): (std): CHARLOTTE JOHANSSON ; GOBERT FRANK OTTO ; GOMBERT FRANK OTTO ; GOMBERT FRANK ; JOHANSSON CHARLOTTE ; JOKHANSSON SHARLOTT ; LEDERER ALEXANDER ; LOEWE RALF ; PATEL KALPANA ; ZIMMERMANN JOHANN ; ROMAGNOLI BARBARA ; OBRECHT DANIEL ; LOWE RALF

Agent(s): SPRUSON AND FERGUSON; BLAKE CASSELS AND GRAYDON LLP; GRAMM LINS AND PARTNER PATENT U RECHTSANWAELTE PARTGMBB; ANDERSSON PER RUNE; DURAN LUIS ALFONSO; REINHOLD COHN AND PARTNERS; TAMURA YASUO; NITTA MASAHIRO; SAMEJIMA MUTSUMI; BIRCH STEWART KOLASCH AND BIRCH LLP; BUCHANAN INGERSOLL AND ROONEY PC; BRAUNPAT BRAUN EDER AG; BRAUN ANDRE; ALBIHNS ZACCO AB

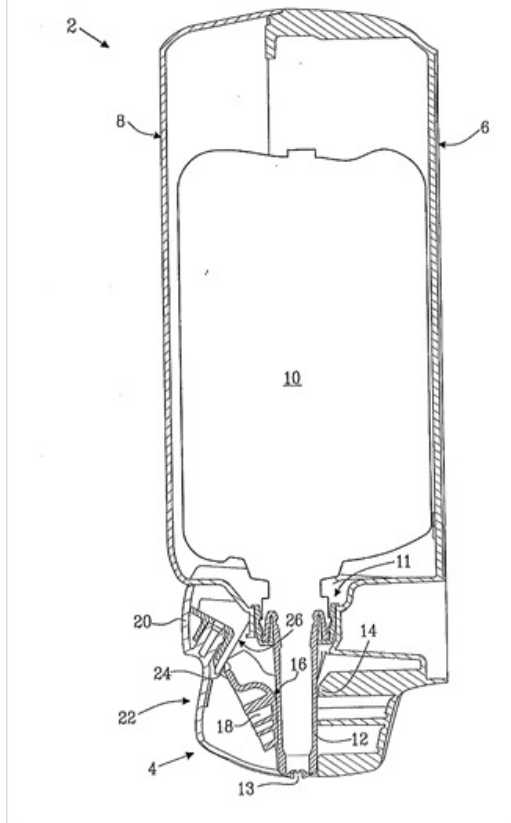
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY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

26) Family number: 51934304 (US2014021223A) © PatBase

Title: DISPENSING MECHANISM AND A DISPENSER

Abstract: A dispensing mechanism for a liquid container includes a hollow flexible dispensing portion and a dispenser. The dispensing mechanism includes a first lever arranged to pivot about a first pivot axis and a second lever arranged to pivot about a second pivot axis and includes a user operated portion. The first lever includes a first sliding surface and the second lever includes a second sliding surface. The first and second sliding surfaces bear in sliding abutment against each other at an abutment point. The first and second pivot axes are substantially parallel to each other, and a first plane extends through the first and second pivot axes. In a non-actuated position of the dispensing mechanism, the user operated portion of the second lever and the abutment point are arranged on a first side of the first plane. The first sliding surface at least at the abutment point, is convex and the abutment point remains on the first side of the first plane over at least a first 2/3 of a dispensing stroke of the first lever.

Classifications:
International (IPC 8-9): A47K5/12 B05B11/00 B65D35/40 B65D37/00 B65D83/00 B67D7/06 (Advanced/Invention); B65D35/40 (Advanced/Non-invention); A47K5/12 B65D35/40 (Core/Invention); A47K B65D (Subclass/Invention)
CPC: B65D83/0055 B05B11/303 B05B11/3056 A47K5/1208 B65D35/40
European: A47K5/12C2
US: 222/103 222/181.3 222/207 222/213 222/214 222/505

**Family:**

Publication number	Publication date	Application number	Application date
AU2011362645 AA	20120920	AU20110362645	20110314
AU2011362645 BB	20160310	AU20110362645	20110314
AU2011362645 BI	20160317	AU20110362645	20110314
BR112013023525 A2	20161206	BR20131123525	20110314
CA2827824 AA	20130820	CA20112827824	20110314
CN103379845 A	20131030	CN201180067906	20110314
CN103379845 B	20161221	CN201180067906	20110314
CO6781542 A2	20131031	CO20130241800	20131010
EP2685876 A1	20140122	EP20110860737	20110314
EP2685876 A4	20140924	EP20110860737	20110314
IN07244DN2013 A	20150123	IN2013DN07244	20130814
MX2013010400 A1	20131001	MX20130010400	20110314
MX335958 B	20160105	MX20130010400	20110314
RU2013145679 A	20150420	RU20130145679	20110314
RU2560282 C2	20150820	RU20130145679	20110314
TH134222 A	20140603	TH20131005106	20110314
US2014021223 AA	20140123	US20130026362	20130913
US8887964 BB	20141118	US20130026362	20130913
WO12125089 A1	20120920	WO2011SE50275	20110314
ZA201307577 A	20140730	ZA20130007577	20131011

Priority:

WO2011SE50275 20110314 US20130026362 20130913 CO20130241800 20131010

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): HJORT ERIK ; JOKITALO JOONAS ; SCA HYGIENE PROD AB

Assignee(s): JOKITALO TERTTU ; SKA KHAJDZHIN PRODAKTS AB ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; JOKITALO JOONAS DECEASED ; SCA HYGIENE PRODUCTS AB

Inventor(s): (std): ERIK HJORT ; HJORT ERIK ; JOKITALO JOONAS ; JOKITALO JOONAS DECEASED ; JOKITALO JOONAS UMERSHIJ UMER ; JOKITALO TERTTU ; JORT EHRIC ; TERTUU JOKITALO

Inventor(s): JOKITALO TERTUU ; JONAS FALLECIDO JOKITALO ; JOONAS JOKITALO ; JOKITALO JOONAS FALLECIDO

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP; LUZ CLEMENCIA DE PAEZ; VALEA AB; DRINKER BIDDLE AND REATH LLP

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

Abstract: A dispensing mechanism for a liquid container is arranged in liquid communication with an outlet mechanism. The dispensing mechanism is adapted to translate a user force applied to a user operated portion into a transfer force applied from a user lever to an actuation part. A relationship between a first length and a second length forms a lever ratio. The first length extends from a first pivot axis to a user operated portion and the second length extends from the first pivot axis to a point of action of the transfer force on the actuation part. The lever ratio is adapted to increase from a non-actuated position over at least the first 50 percent of a dispensing stroke of the actuation part such that the transfer force increases over the at least first 50 percent of the dispensing stroke when a constant force is applied to the user operated portion.

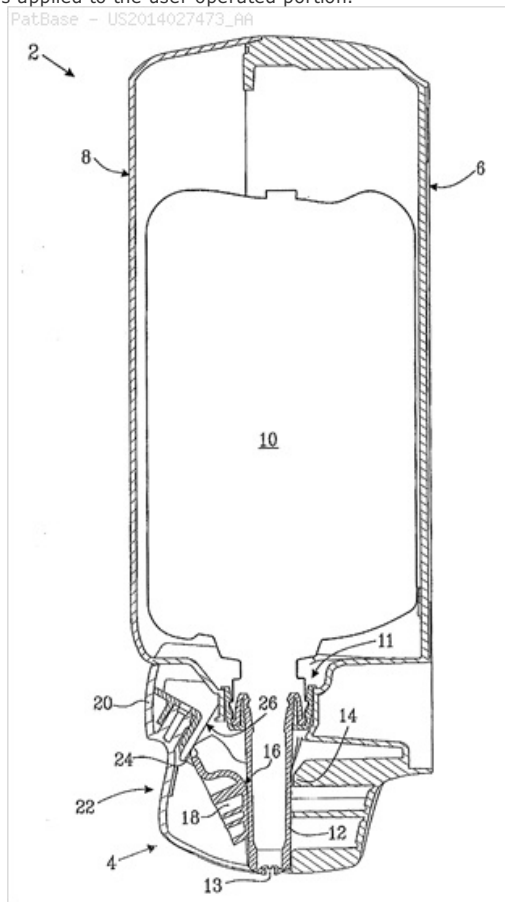
Classifications:

International (IPC 8-9): A47K5/12 B05B11/00 B65D35/40
B65D37/00 (Advanced/Invention);
B65D35/40 B65D83/00 (Advanced/Non-invention);
A47K5/12 B05B11/00 B65D35/40 B65D37/00 (Core/Invention);
A47K B65D (Subclass/Invention)

CPC: B05B11/3056 A47K5/1208 B05B11/303 B65D35/40
B65D83/0055

European: A47K5/12C2

US: 1/1 222/207 222/214



Family:

Publication number	Publication date	Application number	Application date
AU2011362646 AA	20120920	AU20110362646	20110314
AU2011362646 BB	20151210	AU20110362646	20110314
BR112013023559 A2	20161206	BR20131123559	20110314
CA2828951 AA	20130903	CA20112828951	20110314
CN103384488 A	20131106	CN201180068214	20110314
CN103384488 B	20161228	CN201180068214	20110314
CO6821904 A2	20131231	CO20130241795	20131010
EP2685877 A1	20140122	EP20110860887	20110314
EP2685877 A4	20140924	EP20110860887	20110314
IN07245DN2013 A	20150123	IN2013DN07245	20130814
MX2013010287 A1	20131001	MX20130010287	20110314
MX336538 B	20160122	MX20130010287	20110314
RU2013145687 A	20150420	RU20130145687	20110314
RU2556532 C2	20150710	RU20130145687	20110314
TH132844 A	20140423	TH20131005107	20110314
US2014027473 AA	20140130	US20130026298	20130913
US9180474 BB	20151110	US20130026298	20130913
WO12125090 A1	20120920	WO2011SE50276	20110314
ZA201307578 A	20140730	ZA20130007578	20131011

Priority:

WO2011SE50276 20110314 US20130026298 20130913 CO20130241795 20131010

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): HJORT ERIK ; JOKITALO JOONAS ; KULLMAN MARCUS ; SCA HYGIENE PROD AB

Assignee(s): SKA KHAJDZHIN PRODAKTS AB ; JOKITALO JOONAS DECEASED ; JOKITALO TERTTU ; SCA HYGIENE PRODUCTS AB

Inventor(s): (std): ERIK HJORT ; HJORT ERIK ; JOKITALO JOONAS ; JOKITALO JOONAS DECEASED ; JOONAS JOKITALO ; JORT ERIK ; KULLMAN MARCUS ; KULLMAN MARKUS ; MARCUS KULLMAN ; JOKITALO JOONAS UMERSHIJ ; JOKITALO TERTTU

Inventor(s): JONAS FALLECIDO JOKITALO ; JOKITALO JOONAS FALLECIDO

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP; LUZ CLEMENCIA DE PAEZ; VALEA AB; DRINKER BIDDLE AND REATH LLP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT

28) Family number: 56339540 (US2015274375A)

© PatBase

Title: DISPENSING SYSTEM WITH THE MEANS FOR DETECTING LIQUID LEVEL AND A COLLAPSIBLE CONTAINER FOR SUCH A SYSTEM

Abstract: A dispensing system includes a collapsible container for liquid material, such as soap, with an outlet for withdrawal of liquid material during collapse thereof. The dispensing system includes a support structure configured for wall attachment of the dispensing system. The support structure further includes at least one movable follower biased towards a collapsing part of the collapsible container, and a detector for reading the position of the movable follower. Detectable substance can be added to the movable follower or the collapsible container. The detector can actuate an alert indicator for indicating a low level of liquid in the collapsible container. Also a collapsible container with detectable substance is disclosed for use in such a system.

Classifications:

International (IPC 8-9): A47K5/12 A47K5/122 A47K5/14 B65D35/28

B65D37/00 B65D77/06 (Advanced/Invention);

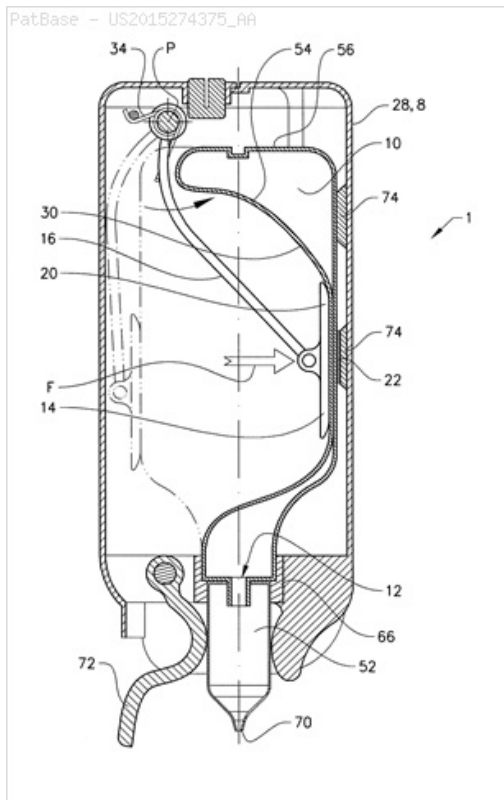
A47K5/12 A47K5/122 B65D35/00 B65D35/30

B65D77/06 (Advanced/Non-invention)

CPC: B65D35/28 A47K5/12 A47K5/122 B65D35/00 B65D35/30

B65D77/06 A47K5/1209 A47K5/1211 A47K5/1215

US: 222/103



Family:

Publication number	Publication date	Application number	Application date
AU2012393021 AA	20140501	AU20120393021	20121025
AU2012393021 BB	20160922	AU20120393021	20121025
CN104754999 A	20150701	CN201280076629	20121025
CN104754999 B	20180209	CN201280076629	20121025
EP2911562 A1	20150902	EP20120887020	20121025
EP2911562 A4	20160706	EP20120887020	20121025
MX2015004994 A1	20150717	MX20150004994	20121025
RU2605175 C1	20161220	RU20150119526	20121025
US2015274375 AA	20151001	US20120437512	20121025
US9586728 BB	20170307	US20120437512	20121025
WO14065728 A1	20140501	WO2012SE51155	20121025

Priority:

WO2012SE51155 20121025

Probable Assignee: SCA HYGIENE PRODUCTS AB

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

Assignee(s): SCA HYGIENE PRODUCTS AB ; SKA KHAJDZHIN PRODAKTS AB ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG

Inventor(s): (std): KLING ROBERT

Inventor(s): ROBERT KLING

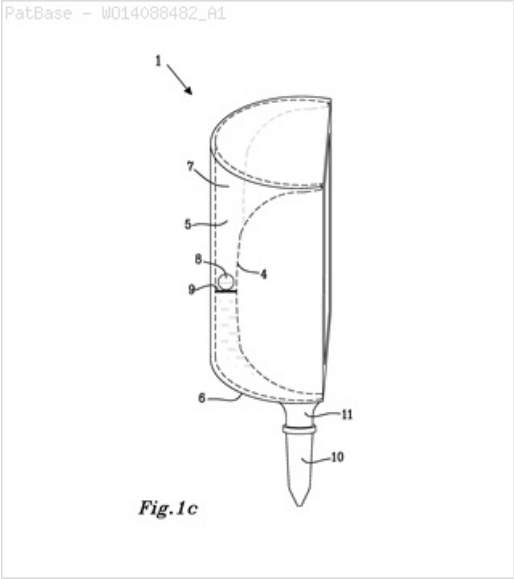
Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; VALEA AB; DRINKER BIDDLE AND REATH LLP; SCA HYGIENE PRODUCTS AB

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

Title: A CONTAINER COMPRISING A FREE-FLOATING LEVEL INDICATOR BODY

Abstract: The present invention provides a container (1) containing liquid, such as soap, shampoo, conditioner, body lotion, disinfectant or the like. The container (1) has a longitudinal direction and a transverse direction, an outer wall (2) having a dedicated rear part (4) and a dedicated front part (5), a bottom portion (6) and an upper portion (7).A dispensing means (10) is arranged at or connectable to one of said upper or bottom portions (6, 7) for dispensing liquid from the container (1). At least one free-floating level indicator body (8) is arranged inside the container (1) for indicating the liquid level (9) in the container, particularly when the liquid level (9) in the container is low.

Classifications:
International (IPC 8-9): A47K5/12 G01F23/64 (Advanced/Invention)
CPC: G01F23/64 B65D25/56 A47K5/12



Family:

Publication number	Publication date	Application number	Application date
WO14088482 A1	20140612	WO2012SE51354	20121207

Priority:

WO2012SE51354 20121207

Probable Assignee: SCA HYGIENE PROD AB

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

Assignee(s): SCA HYGIENE PRODUCTS AB

Inventor(s): (std): LARSSON BJOERN

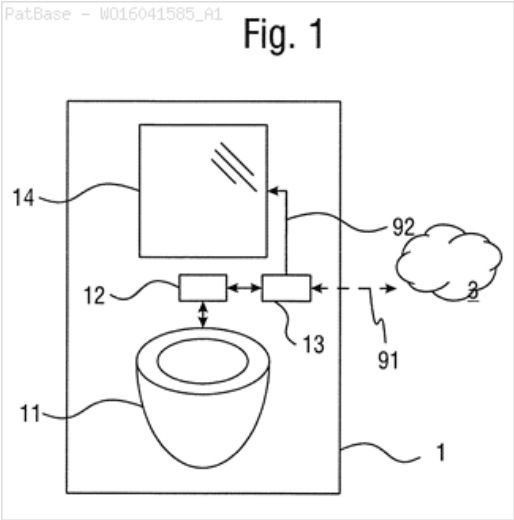
Agent(s): VALEA AB

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

Title: CONVEYING CONTENT IN A HYGIENIC ENVIRONMENT

Abstract: An information display device (1) comprising display means (14) to display content for conveying said content to a user and comprising display control means (13) to receive sensor data from a hygienic service facility, the information display device (1) being configured to display at least two alternatives of content on said display means (14); receive sensor data by means of said display control means (13); determine an adaptation on the basis of the received sensor data; and to adapt the content conveyed to said user by changing the content displayed to a corresponding alternative on said display means (14) based on the determined adaptation.

Classifications:
International (IPC 8-9): G06Q30/02 G09F27/00 (Advanced/Invention)
CPC: G09F27/005 G09F2027/001 G09F2027/002



Family:

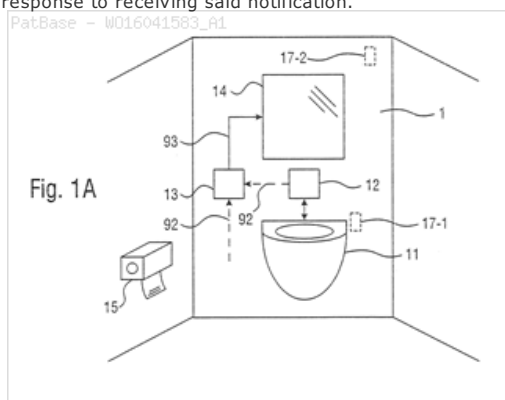
Publication number	Publication date	Application number	Application date
WO16041585 A1	20160324	WO2014EP69727	20140916

Priority:

WO2014EP69727 20140916

Probable Assignee: SCA HYGIENE PROD AB**Assignee(s):** (std): SCA HYGIENE PROD AB**Assignee(s):** SCA HYGIENE PRODUCTS AB**Inventor(s):** (std): NORDIN MAGNUS**Agent(s):** SCHEIBLE DOMINIK ET AL**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**31) Family number: 61912985 (WO16041583A1)**

© PatBase

Title: INFORMATION DISPLAY DEVICE**Abstract:** An information display device comprising display means to display content for conveying said content to a user and display control means configured to receive a notification indicating a person entering a vicinity of the information display device, and to mirror the content displayed on said display means in response to receiving said notification.**Classifications:****International (IPC 8-9):** A47K17/00 G09F27/00 (Advanced/Invention)**CPC:** G09F27/00 G09G2340/0492 G09F27/005 G09F2027/001 G08B21/245**Family:**

Publication number	Publication date	Application number	Application date
WO16041583 A1	20160324	WO2014EP69725	20140916

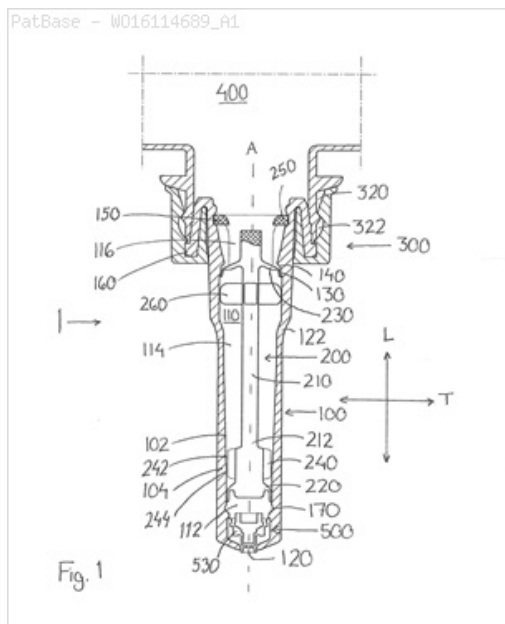
Priority:

WO2014EP69725 20140916

Probable Assignee: SCA HYGIENE PROD AB**Assignee(s):** (std): SCA HYGIENE PROD AB**Assignee(s):** SCA HYGIENE PRODUCTS AB**Inventor(s):** (std): NORDIN MAGNUS ; VAN HERP PETER**Agent(s):** SCHEIBLE DOMINIK ET AL**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**32) Family number: 62974136 (WO16114689A1)**

© PatBase

Title: A PUMP FOR A SYSTEM FOR DISPENSING A LIQUID AS A SPRAY, A SPRAY NOZZLE UNIT, A SYSTEM FOR DISPENSING A LIQUID AS A SPRAY AND A METHOD FOR DISPENSING A LIQUID AS A SPRAY**Abstract:** The present disclosure relates to a pump (1) for a system for dispensing a liquid as a spray, in particular for a dispensing system which comprises a compressible container (400). The pump (1) comprises a housing (100) forming a chamber (110) and a dispensing opening (120), and a regulator (200) being fixedly arranged in the chamber. The housing is resilient and has a longitudinal direction (L). The regulator comprises an inner valve (230) for regulating a flow of liquid between the container (400) and the chamber (110), an outer valve (220) for regulating a flow of liquid between the chamber and the dispensing opening, and a stem (210) extending in the longitudinal direction of the housing at least between the inner valve (230) and the outer valve (220). The stem is resilient along its length so as to be sideways bendable from an original shape to a distorted shape. The regulator further comprises a displacement guide (240) located at an outer portion of the stem on an inner side of the outer valve. The housing comprises a guide region (104) located adjacent to the displacement guide. An outer perimeter (244) of the displacement guide and at least a portion of an internal surface of the guide region are adapted to each other so as to allow relative displacement between the displacement guide and the guide region substantially along the longitudinal direction of the housing, so as to transfer the sideways bending of the stem to a relative displacement between the outer valve and the housing along the longitudinal direction of the housing. The disclosure further relates to a spray nozzle unit (500), a system for dispensing a liquid as a spray and a method for dispensing a liquid as a spray.**Classifications:****International (IPC 8-9):** A47K5/12 B05B1/30 B05B11/00



Family:

Publication number	Publication date	Application number	Application date
AU2015377316 AA	20160721	AU20150377316	20150112
AU2015377316 BB	20170928	AU20150377316	20150112
CA2973669 AA	20170712	CA20152973669	20150112
CN107105946 A	20170829	CN201580073156	20150112
CO20170007326 A2	20171010	CO20170007326	20170724
EP3244782 A1	20171122	EP20150878173	20150112
MX2017009087 A1	20171122	MX20170009087	20150112
RU2660036 C1	20180704	RU20170128470	20150112
WO16114689 A1	20160721	WO2015SE50010	20150112

Priority:

WO2015SE50010 20150112

Probable Assignee: SCA HYGIENE PROD AB

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

Assignee(s): BERGMAN PETER ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; NILSSON HUGO

Inventor(s): (std): HUGO NILSSON ; PETER BERGMAN ; NILSSON HUGO ; BERGMAN PETER

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP; JOSE ANDRES RINCON USCATEGUI; VALEA AB; OOO YURIDICHESKAYA GORODISSKIY I PARTNERY FA

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

33) Family number: 65322682 (WO17050394A1)

© PatBase

Title: PUMP WITH A SPRING AND VALVE COMBINATION

Abstract: The invention relates to a fluid pump (300) comprising a pump body (500) having a pump inlet (502) and a pump outlet (504), and a spring valve combination (400) provided within the pump body (500), the spring valve combination (400) comprising a spring body (406) having a first end portion (402), a second end portion (404) and a spring section (406) therebetween, which spring section (406) is compressible in an axial direction from an initial condition to a compressed condition and is subsequently expandable to its initial condition, a first valve element (420) provided at the first end portion (402) of the spring body (406), and a second valve element (436) provided at the second end portion (404) of the spring body (406), wherein the spring body (406) and the first (420) and second (436) valve elements are integrally formed, and wherein the first (420) and second (436) valve elements interact with an interior of the pump body (500) to define a one-way inlet valve and a one-way outlet valve, respectively.

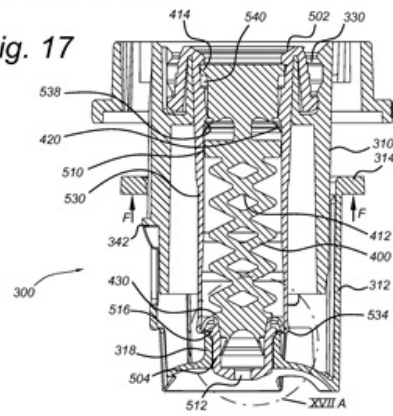
Classifications:

International (IPC 8-9): A47K5/12 B05B11/00 (Advanced/Invention)

CPC: A47K5/1209 B05B11/3029 B05B11/3035 B05B11/3064

A47K5/1207 A47K5/14 B05B11/3077 B05B11/3033 B05B11/0054
B05B11/00412

Fig. 17

**Family:**

Publication number	Publication date	Application number	Application date
AU2015410208 AA	20170330	AU20150410208	20150925
CA2999370 AA	20180321	CA20152999370	20150925
CN108290172 A	20180717	CN201580084783	20150925
CO20180004224 A2	20180710	CO20180004224	20180420
EP3352907 A1	20180801	EP20150767554	20150925
WO17050394 A1	20170330	WO2015EP72156	20150925

Priority:

WO2015EP72156 20150925

Probable Assignee: SCA HYGIENE PROD AB**Assignee(s):** (std): ESSITY HYGIENE AND HEALTH AB ; SCA HYGIENE PRODUCTS AB ; SCA HYGIENE PROD AB**Assignee(s):** NILSSON HUGO ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; LINDSTROM HAKAN ; BERGMAN PETER**Inventor(s):** (std): LINDSTROEM HAKAN ; LINDSTROM HAKAN ; NILSSON HUGO ; BERGMAN PETER**Inventor(s):** HAKAN LINDSTROEM ; HUGO NILSSON ; PETER BERGMAN**Agent(s):** WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP; JOSE ANDRES RINCON USCATEGUI; NEDERLANDSCH OCTROOIBUREAU

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

34) Family number: 65322679 (WO17050390A1)

© PatBase

Title: PUMP FOR DISPENSING FLUIDS

Abstract: A pump (300) for dispensing a fluid product from a product container (200), comprises a unitary pump body (500) defining an axis and comprising a pump chamber (510), a pump inlet (502) and a pump outlet (504). The pump chamber (510) is collapsible over an axially directed pumping stroke from an initial condition to a collapsed condition and is biased to return to its initial condition in a return stroke. An axially compressible spring (400) is arranged to at least partially support the pump body (500) during its collapse.

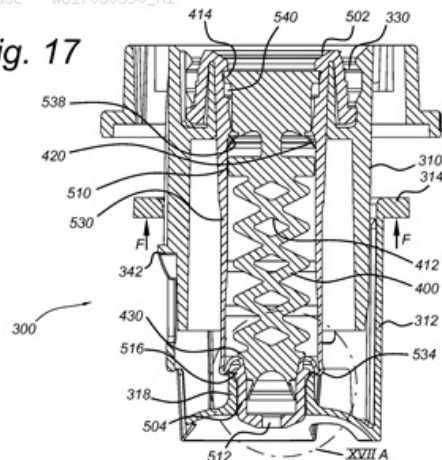
Classifications:**International (IPC 8-9):** A47K5/12 B05B11/00 (Advanced/Invention)**CPC:** A47K5/1209 B05B11/3029 B05B11/3064 A47K5/1207

A47K5/14 B05B11/3077 B05B11/0054 B05B11/3033 B05B11/3035

B05B11/00412

PatBase - W017050390_R1

Fig. 17

**Family:**

Publication number	Publication date	Application number	Application date
AU2015410275 AA	20170330	AU20150410275	20150925
CA2999188 AA	20180320	CA20152999188	20150925
CN108136422 A	20180608	CN201580084003	20150925
CO20180004219 A2	20180710	CO20180004219	20180420

EP3352908 A1	20180801	EP20150771085	20150925
WO17050390 A1	20170330	WO2015EP72143	20150925

Priority:

WO2015EP72143 20150925

Probable Assignee: SCA HYGIENE PROD AB

Assignee(s): (std): ESSITY HYGIENE AND HEALTH AB ; SCA HYGIENE PRODUCTS AB ; SCA HYGIENE PROD AB

Assignee(s): NILSSON HUGO ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; LINDSTROM HAKAN ; BERGMAN PETER

Inventor(s): (std): NILSSON HUGO ; LINDSTROM HAKAN ; LINDSTROEM HAKAN ; BERGMAN PETER

Inventor(s): HAKAN LINDSTROEM ; HUGO NILSSON ; PETER BERGMAN

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP; JOSE ANDRES RINCON USCATEGUI; NEDERLANDSCH OCTROOIBUREAU

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

35) Family number: 65322681 (WO17050392A1)

© PatBase

Title: PUMP WITH A POLYMER SPRING

Abstract: The invention relates to a fluid pump (300) comprising a plastomer spring (400), the spring (400) comprising a first end portion (402) and a second end portion (404) and a plurality of rhombus shaped spring sections (406), joined together in series at adjacent corners (412) and aligned with each other in an axial direction to connect the first end portion (402) to the second end portion (404), which spring sections (406) can be compressed in the axial direction from an initial condition to a compressed condition and can subsequently expand to their initial condition. Additionally, the invention relates to a method of dispensing a fluid from such a fluid pump (300).

Classifications:

International (IPC 8-9): A47K5/12 B05B11/00 (Advanced/Invention)

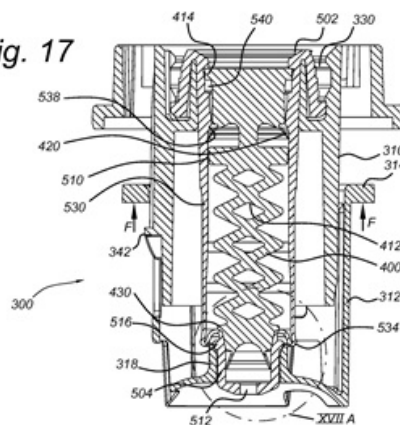
CPC: B05B11/3077 A47K5/1209 B05B11/3029 B05B11/3035

B05B11/3064 A47K5/1207 A47K5/14 B05B11/0054 B05B11/3033

B05B11/00412

PatBase - WO17050392_A1

Fig. 17



Family:

Publication number	Publication date	Application number	Application date
AU2015410277 AA	20170330	AU20150410277	20150925
CA2999189 AA	20180320	CA20152999189	20150925
CN108289572 A	20180717	CN201580084778	20150925
CO20180004241 A2	20180710	CO20180004241	20180420
EP3352634 A1	20180801	EP20150767551	20150925
WO17050392 A1	20170330	WO2015EP72151	20150925

Priority:

WO2015EP72151 20150925

Probable Assignee: SCA HYGIENE PROD AB

Assignee(s): (std): ESSITY HYGIENE AND HEALTH AB ; SCA HYGIENE PRODUCTS AB ; SCA HYGIENE PROD AB

Assignee(s): BERGMAN PETER ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; LINDSTROM HAKAN ; NILSSON HUGO

Inventor(s): (std): LINDSTROEM HAKAN ; LINDSTROM HAKAN ; NILSSON HUGO ; BERGMAN PETER

Inventor(s): HAKAN LINDSTROEM ; HUGO NILSSON ; PETER BERGMAN

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP; JOSE ANDRES RINCON USCATEGUI; NEDERLANDSCH OCTROOIBUREAU

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

36) Family number: 65976378 (WO17092791A1)

© PatBase

Title: PROCESS FOR PRODUCING NONWOVEN WITH IMPROVED SURFACE PROPERTIES

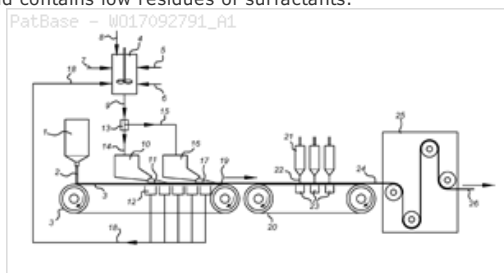
Abstract: A hydroentangled nonwoven sheet material can be produced by a process which comprises: 0) optionally providing a polymer web on a carrier, a) providing an aqueous suspension containing short fibres and a surfactant; b)

depositing the aqueous suspension on the carrier, c) removing aqueous residue of the aqueous suspension deposited in step b) to form a fibrous web, b') depositing aqueous suspension on a surface of the fibrous web formed in step c), c') removing aqueous residue of the aqueous suspension deposited in step b') to form a combined fibrous web, d) hydroentangling the combined fibrous web, and optionally e) drying the hydroentangled web, and/or f) further processing and finalising the dried, hydroentangled web the web to produce the nonwoven end material. The hydroentangled non-woven sheet material obtainable by this process has a low degree of surface irregularity and contains low residues of surfactants.

Classifications:

International (IPC 8-9): D04H1/4266 D04H1/4374 D04H1/46 D04H1/492 D04H1/498 D04H3/105 D04H5/03 D21F11/00 D21H21/24 D21H21/56 D21H27/00 D21H27/34 D21H27/36 D21H27/42 (Advanced/Invention)

CPC: D04H1/4374 D04H1/4266 D04H1/465 D04H1/492 D04H1/498 D04H3/105 D04H5/03 D21F11/002 D21H5/2685 D21H21/24 D21H21/56 D21H27/002 D21H27/34 D21H27/36



Family:

Publication number	Publication date	Application number	Application date
AU2015416199 AA	20170608	AU20150416199	20151201
CA3006600 AA	20180529	CA20153006600	20151201
CN108291345 A	20180717	CN201580085036	20151201
CO20180005716 A2	20180612	CO20180005716	20180530
WO17092791 A1	20170608	WO2015EP78152	20151201

Priority:

WO2015EP78152 20151201

Probable Assignee: SCA HYGIENE PROD AB

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

Assignee(s): STRANDQVIST MIKAEL ; AHONIEMI HANNU

Inventor(s): (std): AHONIEMI HANNU ; STRANDQVIST MIKAEL

Inventor(s): HANNU AHONIEMI ; MIKAEL STRANDQVIST

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP; JOSE ANDRES RINCON USCATEGUI; NEDERLANDSCH OCTROOIBUREAU

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

37) Family number: 68805361 (WO18041355A1)

© PatBase

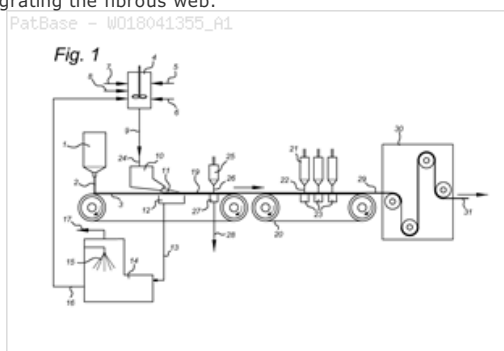
Title: PROCESS AND APPARATUS FOR WETLAYING NONWOVENS

Abstract: A process and an apparatus for producing nonwoven materials are disclosed. The process comprises the following steps: a) providing a three-phase (gas-liquid-solid) suspension containing air, water, fibrous material and a surfactant, b) depositing the suspension onto a moving carrier sieve to produce a fibrous web on the carrier, c) removing aqueous residue of the suspension through the carrier sieve, d) conveying the aqueous residue through one or more phase separation tanks in an essentially horizontal direction while providing a depressurised headspace above the aqueous residue, e) recycling the aqueous residue conveyed in step d) to step a), f) preferably pre-integrating the fibrous web.

Classifications:

International (IPC 8-9): D04H1/00 D21F1/66 D21F11/00 (Advanced/Invention)

CPC: D21F1/66 D04H1/00 D21F11/002 D04H1/732



Family:

Publication number	Publication date	Application number	Application date
WO18041355 A1	20180308	WO2016EP70626	20160901

Priority:

WO2016EP70626 20160901

Probable Assignee: SCA HYGIENE PROD AB

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

Assignee(s): SCA HYGIENE PRODUCTS AB

Inventor(s): (std): AHONIEMI HANNU ; STRANDQVIST MIKAEL ; VENEMA ARIE ; WIJBENGA GAATZE

Agent(s): NEDERLANDSCH OCTROOIBUREAU

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

SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW