PatBase - Search results 08 September 2020
Search query (2): FT=(absorbent~ and diaper~ and disposable~ and article~ and separator~ sheet~)
Results: 455

Search history

Search 1: FT=(absorbent~ pant~ diaper~ and disposable~ and article~ and separator~ sheet~) (Results 1)

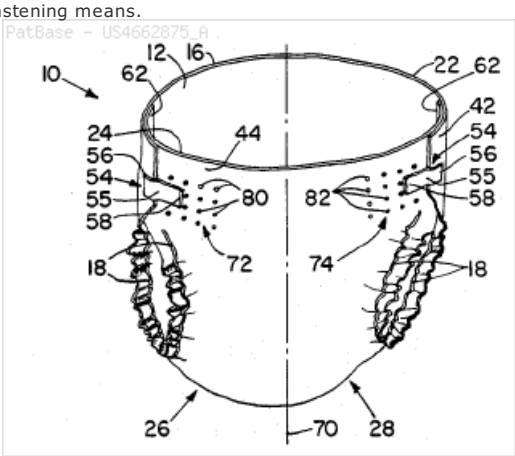
Search 2: FT=(absorbent~ and diaper~ and disposable~ and article~ and separator~ sheet~) (Results 455)

1) Family number: 2950962 (US4662875 A)

Title: **ABSORBENT ARTICLE**

Abstract: An **absorbent** **article**, such as a **disposable** **diaper** or an incontinent brief having indicia means provided for aiding an individual fitting the **article** to a wearer to obtain optimal waist fit and leg opening fit. Indicia means are provided in an area at least coextensive with a part of an area to which fastening means are affixed to the **article** when the **article** is fitted to a wearer. Indicia, as used herein are any type of lines, patterns, ornamental designs, symbols, script, color codes, or other markings which have the capability, either inherently or with additional denotation, to aid an individual fitting the **article** to promptly locate a desired affixation point for a particular fastening means.

Classifications:
International (IPC 8-9): A61F13/56 A61F13/58
International (IPC 1-7): A61F13/16
CPC: A61F13/5633 A61F13/565 A61F13/58 A61F2013/8497
US: 604/389



Family:

Publication number	Publication date	Application number	Application date
US4662875 A	19870505	US19850802803	19851127
US4662875 B1	19890418	US19850802803	19851127

Priority:
US19850802803 19851127

Probable Assignee: PROCTER AND GAMBLE CO
Assignee(s): (std): PROCTER AND GAMBLE
Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY
Inventor(s): (std): HIROTSU DENNIS O ; ROBERTSON ANTHONY J

Legal status (INPADOC)

View legal status timeline

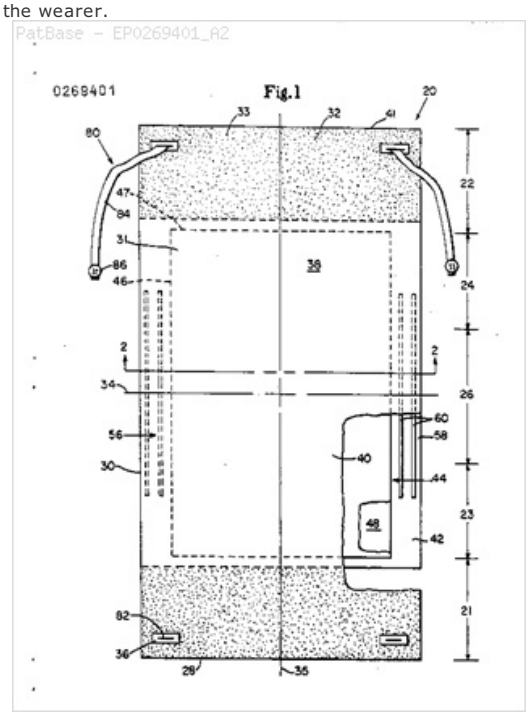
Patent	Date recorded	Event group	Code	Event	Details
US4662875 A	19860115	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: ASSIGNMENT OF ASSIGNORS INTEREST.;ASSIGNORS:HIROTSU, DENNIS O.;ROBERTSON, ANTHONY J.;REEL/FRAME:004499/0222;SIGNING DATES FROM 19851127 TO 19851203 Owner: PROCTER & GAMBLE COMPANY THE, CINCINNATI, OHIO, A
US4662875 A	19870305	LSGT	PAT1	Patented Case	
US4662875 A	19870305	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US4662875 A	19870505	LSGT	+	granted / extensions (spc, cpc, pte)	
US4662875 A	19870929	LSRX	+RR	REQUEST FOR REEXAMINATION FILED	Effective date: 19870817
US4662875 A	19871110	LSRX	+RR	REQUEST FOR REEXAMINATION FILED	Effective date: 19871008
US4662875 B1	19890418	LSRX	+B1	REEXAMINATION CERTIFICATE FIRST REEXAMINATION	
US4662875 B1	19901022	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US4662875 B1	19920317	LSRE	CC	CERTIFICATE OF CORRECTION	
US4662875 B1	19940926	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 8
US4662875 B1	19981030	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 12

2) Family number: 2925817 (EP0269401 A2)

Title: **ABSORBENT** GARMENT HAVING AIR PERVIOUS FLAPS

Abstract: An integral **disposable** **absorbent** garment, such as a **disposable** **diaper** or an incontinent brief, having flaps joined to and extending from and beyond the ends of an absorptive means. The flaps have an air pervious zone which permits air, vapor, and other gases to pass from the interior of the garment and the wearer's skin to the exterior of the garment and the surrounding air. Thus, the **article** is made cooler in the non-absorptive areas of the **article** located beyond the ends of the absorptive means, resulting in increased comfort for the wearer.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/56 A61F5/44
International (IPC 1-7): A41B13/02 A41B13/16 A61F13/16 A61F13/18 A61F5/44
CPC: A61F13/15203 A61F13/51462 A61F13/51484 A61F13/64 A61F2013/49076 A61F5/4401



Family:

Publication number	Publication date	Application number	Application date
AU198781673 A1	19880602	AU19870081673	19871125
EP0269401 A2	19880601	EP19870310315	19871123
EP0269401 A3	19890510	EP19870310315	19871123
IE873201 L	19880526	IE19870003201	19871126
JP63203804 A2	19880823	JP19870298854	19871126
PH27102 A	19930226	PH19880036580	19880302

Priority:
US19860935451 19861126 PH19880036580 19880302

Probable Assignee: PROCTER AND GAMBLE CO
Assignee(s): (std): MCKEON JOHN PETER ; PROCTER AND GAMBLE ; PROCTER AND GAMBLE CO
Assignee(s): JOHN PETER MCKEON ; PROCTER AND GAMBLE CO THE ; THE PROCTER AND GAMBLE COMPANY
Inventor(s): (std): AHR NICHOLAS ALBERT ; NIKORASU ARUBAATO AA
Inventor(s): NICHOLAS ALBERT AHR ; ニコラス、アルバート、アー
Agent(s): GRIFFITH HACK; WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS
Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

Legal status (INPADOC)

View legal status timeline

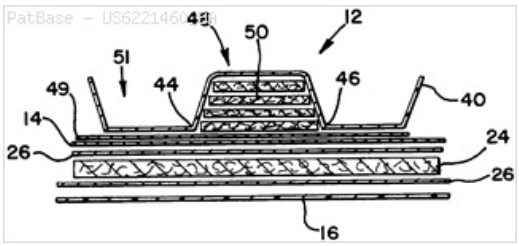
Patent	Date recorded	Event group	Code	Event	Details
AU198781673 A1	19880602	LSPB	+	published / reissued	
EP0269401 A2	19880601	LSPB	+	published / reissued	
EP0269401 A2	19880601		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AT BE CH DE ES FR GB GR IT LI LU NL SE
EP0269401 A3	19890510		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A3 Country of Ref document: AT BE CH DE ES FR GB GR IT LI LU NL SE
EP0269401 A3	19891213	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 19891014
EP0269401 A3	19901227	LSWD	-18W	APPLICATION WITHDRAWN	Date Application Withdrawn: 19901102

EP0269401 A3	19910102	LSWD	R18W	APPLICATION WITHDRAWN (CORRECTED)	Effective date: 19901102
EP0269401 A3	20070808		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	PartyType: inventor Inventor: AHR, NICHOLAS ALBERT
JP63203804 A2	19880823	LSPB	+	published / reissued	
PH27102 A	19930226	LSGT	+	granted / extensions (spc, cpc, pte)	
PH27102 A	20100226	PEXP		Calculated Patent Term Expiry	

3) Family number: 15033531 (US6221460 BA)

Title: LIQUID **ABSORBENT** MATERIAL FOR PERSONAL CARE **ABSORBENT** **ARTICLES** AND THE LIKE

Abstract: Disclosed herein is a liquid **absorbent** material that is particularly useful as a liner material for personal care **absorbent** **articles** such as **diapers**, training pants, incontinence garments, sanitary napkins, bandages and the like. The material contains a plurality of peaks across its surface at spaced-apart intervals separated by channels. **Disposed** within the peaks is a liquid **absorbing** material capable of **absorbing** body exudates and liquids in general. Due to the materials and the nature of the construction of the present invention, when used as a liner material for personal care **absorbent** **articles** such as **diapers**, it tends to reduce the total surface area in contact with the infant's skin and it also provides a plurality of air channels within the **diaper** from the front waistband to the back waistband of the **diaper** thereby providing a path for increased air circulation. The material of the present invention has other uses as, for example, a packing or liner material for packaging and shipping materials containing liquids. In addition, the peaks can contain other additive such as soaps so the material can be used as a wash pad or cloth.



Classifications:
International (IPC 8-9): A61F13/15 A61F13/46 A61L15/16 A61L15/22
International (IPC 1-7): A61F13/00 A61F13/15 A61F13/46 B32B3/30 B32B33/00 B65D65/38 B65D65/40
CPC: A61F13/4942 A61F13/49426 A61F13/4946 A61F13/49466 A61F13/511 A61F13/53436 A61F13/535 A61F2013/530481 A61F2013/8408 Y10T428/24273 Y10T428/24322 Y10T428/24479 Y10T428/24579 Y10T428/24826
US: 428/131 428/137 428/156 428/168 428/198 604/359 604/368 604/385.06 604/385.1 604/385.101

Family:

Publication number	Publication date	Application number	Application date
AU199514015 A1	19950703	AU19950014015	19941216
AU694160 B2	19980716	AU19950014015	19941216
BRPI9408330 A	19970819	BR1994PI08330	19941216
CA2123329 AA	19950618	CA19942123329	19940511
CA2123329 C	20050111	CA19942123329	19940511
CL1994001912 A1	19960223	CL19940001912	19941216
CN1142758 A	19970212	CN19941094967	19941216
CN1515236 A	20040728	CN20021056190	19941216
DE69428368 D1	20011025	DE19946028368T	19941216
DE69428368 T2	20020418	DE19946028368T	19941216
EP0734238 A1	19961002	EP19950905382	19941216
EP0734238 B1	20010919	EP19950905382	19941216
FR2713981 A1	19950623	FR19940015157	19941216
FR2713981 B1	19960830	FR19940015157	19941216
GB2284831 A1	19950621	GB19940025480	19941216
GB2284831 B2	19980311	GB19940025480	19941216
GB9425480 A0	19950215	GB19940025480	19941216
KR100369952 B1	20030612	KR19960703202	19941216
KR19960706322 A	19961209	KR19960703202	19960617
KR19967006322 A	19961209	KR19967003202	19941216
MY116628 A	20040331	MY19940003325	19941213
PE10596 A1	19960411	PE19940257139	19941214
PL177595 B1	19991231	PL19940315170	19941216
PL315170 A1	19961014	PL19940315170	19941216
RU96115187 A	19981027	RU19960115187	19941216
SV1994000077 A	19950714	SV19940000077	19941215
TH11732 B	20020121	TH19941002711	19941209
TH17169 A	19951214	TH19941002711	19941209
TW349386 Y	19990101	TW199602109780U	19941220
US6221460 BA	20010424	US19950527284	19950912
UY23874 A1	19950526	UY19940023874	19941216
WO9516422 A2	19950622	WO1994US14402	19941216
WO9516422 A3	19950720	WO1994US14402	19941216
ZA9410022 A	19950824	ZA19940010022	19941215

Priority:

US19930169449 19931217 CA19942123329 19940511 WO1994US14402 19941216
US19950527284 19950912

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC

Assignee(s): COLE DOUGLAS BRYAN ; COLLIER LESLIE WARREN IV ; DAVIS JAMES ARTHUR ; GRYSKIEWICZ STANLEY MICHAEL ; KIMBERLY CLARK CO US ; KOLLIN NANCY DONALDSON ; MAYBERRY PAMELA JEAN ; MEITNER GARY HOWARD ; MORMAN MICHAEL TOD ; WEBER MARY EVA GARVIE ; КИМБЕРЛИ-КЛАРК УОРЛДВАЙД, ИНК. ; □□□□□□□□ □□□□ □□□□□□□□ ; □□□ ; 金伯利-克拉克环球有限公司 ; 金伯利克拉克公司 ; 金百利克拉克國際公司 ; 킴벌리 클라크 월드와이드 인크 ; 킴벌리 클라크 코포레이션

Inventor(s): (std): ARTHUR DAVIS JAMES ; BRYAN COLE DOUGLAS ; COLE BRYAN ; COLE DOUGLAS B ; COLE DOUGLAS BRYAN ; COLE DOUGLAS BYRAN ; COLE GOUGLAS BRYAN ; COLLIER IV LESLIE WARREN ; COLLIER LESLIE W IV ; COLLIER LESLIE WARREN ; COLLIER LESLIE WARREN IV ; COLLIER WARREN ; DAVIS ARTHUR ; DAVIS JAMES A ; DAVIS JAMES ARTHUR ; DONALDSON KOLLIN NANCY ; DOUGLAS BRYAN COLE ; GARVIE WEBER MARY EVA ; GARY HOWARD MEITNER ; GRISJIWEITZ S M ; GRYSKIEWICZ MICHAEL ; GRYSKIEWICZ S M ; GRYSKIEWICZ STANLEY M ; GRYSKIEWICZ STANLEY MICHAEL ; GYAY HOWARD MEITNER ; HOWARD MORMAN MICHAEL TODMEITN ; IV LESLIE WARREN COLLIER ; JAMES ARTHUR DAVIS ; JEAN MAYBERRY PAMELA ; KOLLIN DONALDSON ; KOLLIN NANCY D ; KOLLIN NANCY DONALDSON ; LESLIE WARREN COLLIER IV ; MARY EVA GARVIE WEBER ; MAYBERRY JEAN ; MAYBERRY P J ; MAYBERRY PAMELA J ; MAYBERRY PAMELA JEAN ; MEBERRY P J ; MEITNER GARY H ; MEITNER GARY HOWARD ; MEITNER HOWARD ; MICHAEL GRYSKIEWICZ STANLEY ; MICHAEL TOD MORMAN ;

MORMAN MICHAEL ; MORMAN MICHAEL T ; MORMAN MICHAEL TOD ; MORMAN TOD ; NANCY DONALDSON KOLLIN ; PAMELA JEAN MAYBERRY ; STANLEY MICHAEL GRYSKIEWICZ ; TODMEITNER GARY ; WARREN COLLIER LESLIE ; WEBER EVA ; WEBER M E G ; WEBER MARY E G ; WEBER MARY EVA GARVIE ; WIBO M E G

Inventor(s): COLLIER LESLIE W ; D B COLE ; D B 科尔 ; DOUGLAS BYRAN COLE ; D·B·科尔 ; G H MEITNER ; G H 迈纳 ; GARVIE WEBER ; GOUGLAS BRYAN COLE ; G·H·迈纳 ; J A DAVIS ; J A 戴维斯 ; J·A·戴维斯 ; L W COLLIER IV ; L W 科里埃 ; LESLIE WARREN COLLIER ; L·W·科里埃 ; M E ; M E G WEBER ; M E G WIBO ; M E G 韦伯 ; M T 莫曼 ; M TMORMAN ; MORMAN MICHAEL TODMEITNER GARY HOWARD ; M·E·G·韦伯 ; M·T·莫曼 ; M·E·G·韦伯 ; N D KOLLIN ; N D 科林 ; N·D·科林 ; P J MAYBERRY ; P J MEBERRY ; P J 梅贝里 ; P·J·梅贝里 ; S M GRISJIWEITZ ; S M GRYSKIEWICZ ; S M 格里斯吉韦茨 ; S·M·格里斯吉韦茨 ; ГАРИ ГОВАРД МЕЙТНЕР ; ДЖЕЙМС АРТУР ДЭВИС ; ДУГЛАС БРАЙАН КОУЛ ; ЛЕСЛИ УОРРЕН КОЛЛЬЕР ; МАЙКЛ ТОД МОРМАН ; МЭРИ ЕВА ГАРВИ ВЕБЕР ; НЭНСИ ДОНАЛЬДСОН КОЛЛИН ; ПАМЕЛА ДЖИН МЭЙБЕРРИ ; СТЭНЛИ МАЙКЛ ГРИСКЕВИЧ ; □□□□□□□□□□ □□□□□□□ □□□ ; □□□□□□□□□ □□□□□□□□□□ ; □□□□□□□□□□□□ □□□□□□ □□□□□□□□□ ; □□□□□□□□ □□□□□□□□ □□□□□ ; □□□□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□□□ ; □□□□□□□□□ □□□□□□□ ; □□□□□□□□□ □□□ □□□□□□ ; 利士里.W.卡里 ; 戴维斯 ; 格里斯吉韦茨 ; 梅贝里 ; 爾, ; 科尔 ; 科林 ; 科里埃 ; 莫曼 ; 迈纳 ; 그리스키윅즈 스탠리 마이클 ; 데이비스 제임스 아더 ; 메이베리 파메라 진 ; 메이베리 파멜라 진 ; 메이트너 게리 호워드 ; 모르만 마이클 토드 ; 웨버 마리 에바 가르비 ; 콜 더글라스 브라안 ; 콜리에르 레슬리 워렌 ; 콜린 낸시 도날드슨

Agent(s): ASPEN PHARMA PTY LTD; BORDEN LADNER GERVAIS LLP; PORZIO; SPRUSON AND FERGUSON; □□□□□□□□□□ □□□□□□□; □□□□□□□□□□□ □□□□□□□ □□□□□□□□ □□□□□□□; □□□□□□□□□□□□ □□□□□□□, □□□□□□□□ □□□□□□□; 中国专利代理(香港)有限公司; 周备麟; 林道棠; 黃靜嘉; 김성택; 장수길

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU199514015 A1	19950703	LSPB	+	published / reissued	
AU694160 B2	19980716	LSGT	+	granted / extensions (spc, cpc, pte)	
AU694160 B2	20141216	PEXP		Calculated Patent Term Expiry	
BRPI9408330 A	19970819	LSPB	+	published / reissued	
BRPI9408330 A	19980721	LSAS	PC	TRANSFER	Text: KIMBERLY-CLARK WORLDWIDE, INC (US)
BRPI9408330 A	19991103		-FB36	TECHNICAL AND FORMAL REQUIREMENTS: REQUIREMENT - ARTICLE 36 OF INDUSTRIAL PROPERTY LAW	
BRPI9408330 A	20000718		-FB36	TECHNICAL AND FORMAL REQUIREMENTS: REQUIREMENT - ARTICLE 36 OF INDUSTRIAL PROPERTY LAW	
BRPI9408330 A	20011127	LSRV	-FC	DECISION: REFUSAL	
CA2123329 AA	19950618	LSPB	+	published / reissued	
CA2123329 AA	20001027	LSES	+EEER	EXAMINATION REQUEST	
CA2123329 C	20050111	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2123329 C	20080512	LSLE	-MKLA	LAPSED	
CA2123329 C	20140511	PEXP		Calculated Patent Term Expiry	
CL1994001912 A1	19960223	LSPB	+	published / reissued	
CN1142758 A	19970212	LSPB	+	published / reissued	
CN1142758 A	19970212	LSPB	+C06	PUBLICATION	
CN1142758 A	19970226		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN1142758 A	19980114	LSRE	C53	CORRECTION OF PATENT FOR INVENTION OR PATENT APPLICATION	
CN1142758 A	19980114	LSRE	COR	CHANGE OF BIBLIOGRAPHIC DATA	Text: CORRECT: APPLICANT; FROM: KIMBERLY-CLARK CORPORATION TO: KIMBERLY-CLARK WORLDWIDE INC.
CN1142758 A	20040714	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
CN1142758 A	20040827		REG	REFERENCE TO A NATIONAL CODE	Ref country code: HK Ref document number: 1021618 Ref legal event code: GR

					Country of Ref document: HK
CN1515236 A	20040728	LSPB	+	published / reissued	
CN1515236 A	20040728	LSPB	+C06	PUBLICATION	
CN1515236 A	20040929		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN1515236 A	20070509	LSDW	-C20	PATENT RIGHT OR UTILITY MODEL DEEMED TO BE ABANDONED OR IS ABANDONED	
DE69428368 D1	20020919	LSOP	-8363	OPPOSITION AGAINST THE PATENT	
DE69428368 D1	20071018	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE69428368 T2	20020418	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69428368 T2	20020919	LSOP	-8363	OPPOSITION AGAINST THE PATENT	
DE69428368 T2	20071018	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE69428368 T2	20141216	PEXP		Calculated Patent Term Expiry	

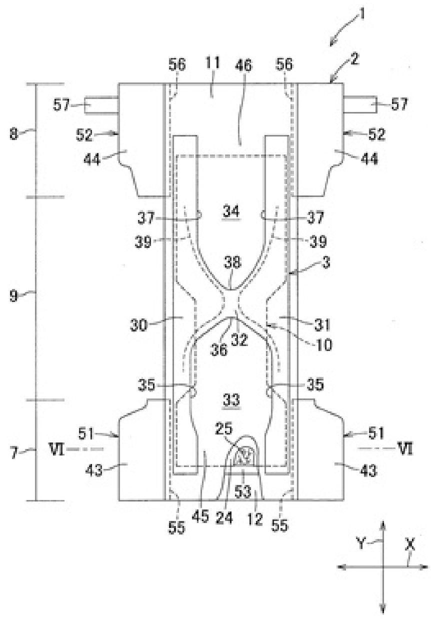
4) Family number: 44071611 (US2011098666 AA) © PatBase

Title: ABSORBENT ARTICLE

Abstract: An **absorbent article** is improved to restrict a possibility that through-hole(s) formed in a **separate sheet** might have width dimension(s) narrowed as the **separate sheet** is spaced from a liquid-**absorbent** structure. The **absorbent** includes first front and rear elasticized regions outside of opposite lateral regions as viewed in a transverse direction of the **separate sheet**. Each of these first front and rear elasticized regions is paired and spaced apart from each other in the transverse direction and between respective pairs of first front and rear elasticized regions. Front and rear non-elasticized regions are free from any influence by the contractile force of the front and rear waist elastic members. The sub-regions of the front and rear waist regions unoccupied by a liquid-**absorbent** structure extend in the transverse direction between respective pairs of opposite side edges.

Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/49 A61F13/495 A61F13/496 A61F13/511 A61F13/512 A61F13/53 A61F13/534
International (IPC 1-7): A61F13/15 A61F13/49 A61F13/496 A61F13/511
CPC: A61F13/49017 A61F13/495
US: 604/378 604/378P

PatBase - US2011098666_AA



Family:

Publication number	Publication date	Application number	Application date
AR071958 AA	20100728	AR2009P101941	20090529
AU2009252218 AA	20091203	AU20090252218	20090529
CA2726194 AA	20091203	CA20092726194	20090529
CL2009001304 A1	20100827	CL20090001304	20090528
CN102088940 A	20110608	CN200980127310	20090529
CO6321149 A2	20110920	CO20100161572	20101223
EA201071258 A1	20110630	EA20100071258	20090529
EP2295013 A1	20110316	EP20090754795	20090529
EP2295013 A4	20121107	EP20090754795	20090529
IN04517KN2010 A	20110211	IN2010KN04517	20101129
JP2009285196 A2	20091210	JP20080141544	20080529
KR20110021992 A	20110304	KR20107029563	20090529
MA32409 B1	20110601	MA20100033449	20101220
MX2010013055 A1	20101220	MX20100013055	20090529
NZ589791 A	20120525	NZ20090589791	20090529
RU2010149319 A	20120710	RU20100149319	20090529
TH105267 A	20101130	TH20091002413	20090529
TW201010677 A	20100316	TW20090118011	20090601
US2011098666 AA	20110428	US20090994574	20090529
WO09145287 A1	20091203	WO2009JP59842	20090529
ZA201008949 A	20120125	ZA20100008949	20101213

Priority:

JP20080141544 20080529 WO2009JP59842 20090529

Probable Assignee: UNI CHARM CORP

Assignee(s): (std): KAMIYAMA RYUICHI ; MINATO HIRONAO ; NAKAJIMA KAIYO ; UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CO LTD ; ЮНИ-ЧАРМ КОРПОРЕЙШН ; ЮНИ-ЧАРМ КОРПОРЕЙШН (JP) ; □□□□□□□ □□□□□□□□□□ ; ユニ チャーム株式会社 ; 中嶋 海陽 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司 ; 湊 大尚 ; 神山 龍一 ; 유니참 가부시키가이샤

Inventor(s): (std): HIRONAO MINATO ; KAIYO NAKAJIMA ; KAMIYAMA RYUICHI ; MINATO HIRONAO ; NAKAJIMA KAIYO ; RYUICHI KAMIYAMA

Inventor(s): Камияма Риуйчи ; КАМИЯМА Риуйчи (JP) ; КАМИЯМА, РИУЙЧИ ; Минато Хиронао ; МИНАТО Хиронао (JP) ; МИНАТО, ХИРОНАО ; Накаджима Кайо ; НАКАДЖИМА Кайо (JP) ; НАКАДЖИМА, КАЙО ; □□□□□□□□□□□□□ □□□□□□□ ; □□□□□□□□□□□ □□□□□□□□ ; □□□□□□□□ □□□□□□□□ ; 中岛 海阳 ; 中嶋 海陽 ; 湊 大尚 ; 神山 龍一 ; 神山龙一 ; 가미야마 류이치 ; 나카지마 가이요 ; 미나토 히로나오

Agent(s): DARIO CARDENAS NAVAS; JOHANSSON; NORTON ROSE OR SENCRL SRL LLP; PHILLIPS ORMONDE FITZPATRICK; SHIRAHAMA YOSHIHARU ET AL; STARK GORDON DRUMMOND; □□□□□□□□□□ □□ □□□□□□□□□□ □□□□□□□□□□□□ □□□□□□□ □□□□□□□□ □□□□□□□□□; □□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□□□ □□□□□□□, □□□□□□□□ □□□□□□□□□; 中国国际贸易促进委员会专利商标事务所 11038; 史雁鸣; 林志剛; 白浜 吉治; 白浜 秀二; 齋藤 博子; 강승옥; 김성기

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 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

Legal status (INPADOC)

View legal status timeline

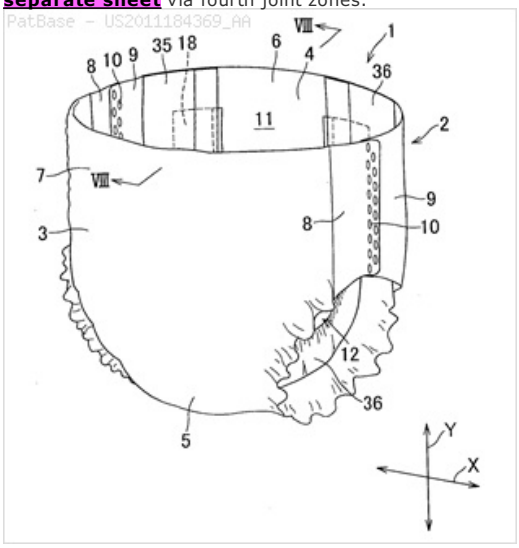
Patent	Date recorded	Event group	Code	Event	Details
AR071958 AA	20100728	LSPB	+	published / reissued	
AR071958 AA	20120622	LSWD	-FB	SUSPENSION OF GRANTING PROCEDURE	
AU2009252218 AA	20091203	LSPB	+	published / reissued	
AU2009252218 AA	20130516	LSLE	-MK1	APPLICATION LAPSED SECTION 142(2)(A) - NO REQUEST FOR EXAMINATION IN RELEVANT PERIOD	
CA2726194 AA	20091203	LSPB	+	published / reissued	
CA2726194 AA	20130724	LSLE	-FZDE	DEAD	Effective date: 20130529
CL2009001304 A1	20100827	LSPB	+	published / reissued	
CN102088940 A	20110608	LSPB	+	published / reissued	
CN102088940 A	20110608	LSPB	+C06	PUBLICATION	
CN102088940 A	20110720		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN102088940 A	20131106	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
CO6321149 A2	20110920	LSPB	+	published / reissued	
CO6321149 A2	20120329	LSGT	+FG	APPLICATION GRANTED	
CO6321149 A2	20121220	LSLE	-FD	APPLICATION LAPSED	
EA201071258 A1	20110630	LSPB	+	published / reissued	
EP2295013 A1	20110316	LSPB	+	published / reissued	
EP2295013 A1	20110316	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20101202
EP2295013 A1	20110316		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR
EP2295013 A1	20110316		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA RS
EP2295013 A1	20110907		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2295013 A4	20121107	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20121009
EP2295013 A4	20121107		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101AFI20121002BHEP
EP2295013 A4	20121107		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/511 20060101ALI20121002BHEP
EP2295013 A4	20121107		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/49 20060101ALI20121002BHEP
EP2295013 A4	20121107		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/496 20060101ALI20121002BHEP
EP2295013 A4	20131030	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20130507
IN04517KN2010 A	20110211	LSPB	+	published / reissued	

5) Family number: 44115485 (US2011184369 AA)

Title: **ABSORBENT ARTICLE**

Abstract: An **absorbent article** includes a chassis, a liquid-**absorbent** structure placed the chassis and a **separate sheet** adapted to be spaced from the chassis. Opposite lateral regions of the **separate sheet** are joined to an inner sheet via first joint zones. First joint zones continuously extend in a longitudinal direction Y and substantially overlap the **absorbent** structure as viewed in a thickness direction. Leak-barrier cuffs provided on the side of the **separate sheet** are joined to the inner sheet via second joint zones lying outside the **separate sheet** as viewed in a transverse direction X, joined to the **separate sheet** via third joint zones, and joined to the **separate sheet** via fourth joint zones.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/494 A61F13/495 A61F13/53 A61F13/534 A61F5/44
International (IPC 1-7): A61F13/15
CPC: A61F13/49017 A61F13/495
US: 604/385.25 604/385.250P



Family:

Publication number	Publication date	Application number	Application date
AR071989 AA	20100728	AR2009P101980	20090602
AU2009255165 AA	20091210	AU20090255165	20090602
CL2009001335 A1	20100604	CL20090001335	20090601
CN102098995 A	20110615	CN200980128336	20090602
EP2286775 A1	20110223	EP20090758328	20090602
EP2286775 A4	20120425	EP20090758328	20090602
JP2009291321 A2	20091217	JP20080146173	20080603
KR20110021910 A	20110304	KR20107028686	20090602
RU2010150139 A	20120720	RU20100150139	20090602
TH105268 A	20101130	TH20091002414	20090529
TW201010678 A	20100316	TW20090118387	20090603
US2011184369 AA	20110728	US20090995626	20090602
WO09148061 A1	20091210	WO2009JP60089	20090602

Priority:
JP20080146173 20080603 WO2009JP60089 20090602

Probable Assignee: UNI CHARM CORP

Assignee(s): (std): MINATO HIRONAO ; NAKAJIMA KAIYO ; UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CO LTD ; ЮНИ-ЧАРМ КОРПОРЕЙШН ; ЮНИ-ЧАРМ КОРПОРЕЙШН (JP) ; □□□□□□ □□□□□□□□ ; ユニ チャーム株式会社 ; 中嶋 海陽 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司 ; 湊 大尚 ; 유니 참 가부시키가이샤

Inventor(s): (std): HIRONAO MINATO ; KAIYO NAKAJIMA ; MINATO HIRONAO ; NAKAJIMA KAIYO

Inventor(s): МИНАТО ХИРОНАО ; МИНАТО Хиронао (JP) ; НАКАДЖИМА КАЙО ; НАКАДЖИМА Кайо (JP) ; □□□□□□□□□□□ □□□□□□ ; □□□□□□□ □□□□□□□ ; 中岛海阳 ; 中嶋 海陽 ; 湊 大尚 ; 나카지마 가이요 ; 미나토 히로나오

Agent(s): JOHANSSON; PHILLIPS ORMONDE FITZPATRICK; SHIRAHAMA YOSHIHARU ET AL; STARK GORDON DRUMMOND; □□□□□□□□□□ □□□□□□□□□ □□□□□□□□□□□□ □□□□□□ □□□□□□□ □□□□□□□□; □□□□□□□□□ □□□□□□□□□, □□□□□□□□□□□ □□□□□□□, □□□□□□□□ □□□□□□□□; 中国国际贸易促进委员会专利商标事务所 11038; 李洋; 林志剛; 白浜 吉治; 白浜 秀二; 齋藤 博子; 강승옥; 김성기

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR071989 AA	20100728	LSPB	+	published / reissued	
AR071989 AA	20120629	LSWD	-FB	SUSPENSION OF GRANTING PROCEDURE	
AU2009255165 AA	20091210	LSPB	+	published / reissued	

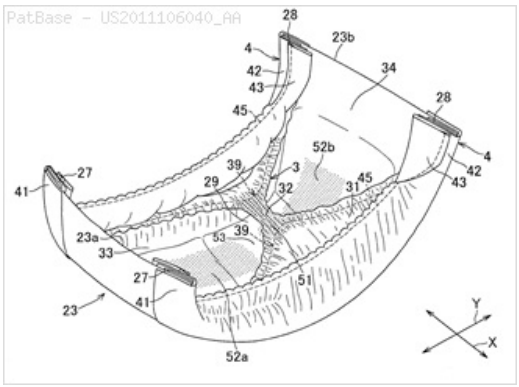
AU2009255165 AA	20130516	LSLE	-MK1	APPLICATION LAPSED SECTION 142(2)(A) - NO REQUEST FOR EXAMINATION IN RELEVANT PERIOD	
CL2009001335 A1	20100604	LSPB	+	published / reissued	
CN102098995 A	20110615	LSPB	+	published / reissued	
CN102098995 A	20110615	LSPB	+C06	PUBLICATION	
CN102098995 A	20110810		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN102098995 A	20140212	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
EP2286775 A1	20110223	LSPB	+	published / reissued	
EP2286775 A1	20110223	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20101202
EP2286775 A1	20110223		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR
EP2286775 A1	20110223		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA RS
EP2286775 A1	20110907		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2286775 A4	20120425	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20120326
EP2286775 A4	20120425		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/15 20060101AFI20120320BHEP ClassificationScheme: IPC
EP2286775 A4	20120425		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 5/44 20060101ALI20120320BHEP
EP2286775 A4	20120425		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/49 20060101ALI20120320BHEP
EP2286775 A4	20120425		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/494 20060101ALI20120320BHEP
EP2286775 A4	20120425		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/495 20060101ALI20120320BHEP
EP2286775 A4	20130501	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20121023
JP2009291321 A2	20091217	LSPB	+	published / reissued	
JP2009291321 A2	20110601	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Effective date: 20110531 Text: JAPANESE INTERMEDIATE CODE: A621
JP2009291321 A2	20121031	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20121030 Text: JAPANESE INTERMEDIATE CODE: A131
JP2009291321 A2	20130313	LSRV	-A02	DECISION OF REFUSAL	Effective date: 20130312 Text: JAPANESE INTERMEDIATE CODE: A02
KR20110021910 A	20110304	LSPB	+	published / reissued	
KR20110021910 A	20140703	LSDW	-WITN	WITHDRAWAL DUE TO NO REQUEST FOR EXAMINATION	
RU2010150139 A	20120720	LSPB	+	published / reissued	
RU2010150139 A	20120910	LSWD	-FA93	ACKNOWLEDGEMENT OF APPLICATION WITHDRAWN (NO REQUEST FOR EXAMINATION)	Effective date: 20120604
TH105268 A	20101130	LSPB	+	published / reissued	

6) Family number: 43787348 (US2011106040 AA)

Title: **ABSORBENT ARTICLE**

Abstract: An **absorbent article** provides on the side of a chassis facing the wearer's skin, a **separator sheet** adapted to be spaced from the chassis. The **separator sheet** is formed in a middle zone thereof with a first lotion-coated region and a liner provided on the side of a liquid-**absorbent** panel facing the wearer's skin is formed with a second lotion-coated region. The front and rear lotion-coated sub-regions are spaced from each other by the intermediary of the first lotion-coated region. The lotion is applied from the side facing the wearer's skin to the liquid-**absorbent** panel with the **separator sheet** laminated thereon so that the first and second lotion-coated regions may be simultaneously formed and the liquid-**absorbent** panel is formed on a region thereof opposed to the middle zone of the **separator sheet** with a lotion-uncoated region.

Classifications:
International (IPC 8-9): A61F13/00 A61F13/15 A61F13/49 A61F13/494 A61F13/496 A61F13/511 A61L15/42 A61L15/44
International (IPC 1-7): A61F13/00
CPC: A61F13/49017 A61F13/49406 A61F13/495 A61F13/8405
US: 604/385.06 604/385.060P



Family:

Publication number	Publication date	Application number	Application date
AU2009230457 AA	20091001	AU20090230457	20090116
CA2719237 AA	20091001	CA20092719237	20090116
CN102036630 A	20110427	CN200980117885	20090116
CO6300922 A2	20110721	CO20100131394	20101022
EA201070978 A1	20110429	EA20100070978	20090116
EP2269549 A1	20110105	EP20090725434	20090116
EP2269549 A4	20130213	EP20090725434	20090116
IN03495KN2010 A	20111125	IN2010KN03495	20100921
JP2009232881 A2	20091015	JP20080078893	20080325
KR20100139005 A	20101231	KR20107022473	20090116
MA32242 B1	20110401	MA20100033267	20101019
MX2010010474 A1	20101020	MX20100010474	20090116
TH108912 A	20110628	TH20091001312	20090324
TW200950754 A	20091216	TW20090109530	20090324
US2011106040 AA	20110505	US20090934077	20090116
WO09119135 A1	20091001	WO2009JP50583	20090116
ZA201006851 A	20110629	ZA20100006851	20100927

Priority:

JP20080078893 20080325 WO2009JP50583 20090116

Probable Assignee: UNI CHARM CORP

Assignee(s): (std): MINATO HIRONAO ; NITTA REIKO ; UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CO LTD ; ЮНИ-ЧАРМ КОРПОРЕЙШН ; □□□□□□ □□□□□□□□□□ ; ユニ チャーム株式会社 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司 ; 新田 麗子 ; 湊 大尚 ; 유니참 가부시키가이샤

Inventor(s): (std): HIRONAO MINATO ; MINATO HIRONAO ; NITTA REIKO ; REIKO NITTA

Inventor(s): Минато Хиронао ; МИНАТО, ХИРОНАО ; Нитта Рейко ; НИТТА, РЕЙКО ; □□□□□□□□□□□□ □□□□□□ ; □□□□□□□□□ □□□□ ; 湊大尚 ; 新田 麗子 ; 新田麗子 ; 湊 大尚 ; 니따 레이코 ; 미나토 히로나오

Agent(s): PHILLIPS ORMONDE FITZPATRICK ; SHIRAHAMA YOSHIHARU ET AL ; STARK GORDON DRUMMOND ; □□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□□□ □□□□□□□ □□□□□□□□ □□□□□□□□ ; □□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□□□ □□□□□□□, □□□□□□□□ □□□□□□□□□; 中国国际贸易促进委员会专利商标事务所 11038; 史雁鸣; 林志剛; 白浜 吉治; 白浜 秀二; 齋藤 博子; 김성기; 김진회

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2009230457 AA	20091001	LSPB	+	published / reissued	
AU2009230457 AA	20101028	LSRE	DA3	AMENDMENTS MADE SECTION 104	Text: THE NATURE OF THE AMENDMENT IS: AMEND THE INVENTION TITLE TO READ ABSORTBENT ARTICLE
AU2009230457 AA	20101118	LSRE	DA3	AMENDMENTS MADE SECTION 104	Text: THE NATURE OF THE AMENDMENT IS: AMEND THE INVENTION TITLE TO READ

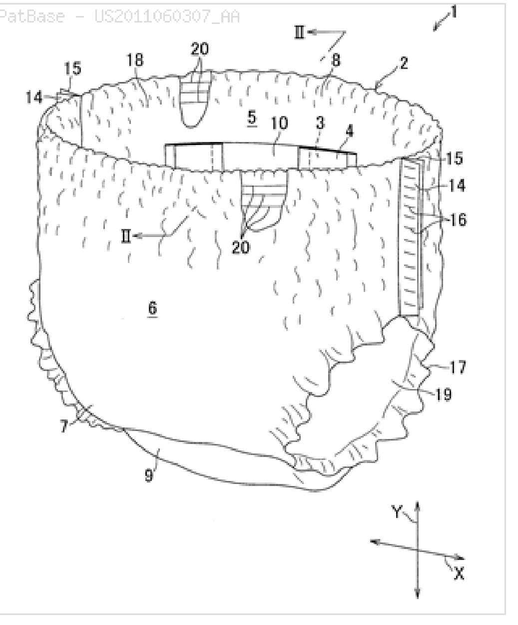
					ABSORBENT ARTICLE
AU2009230457 AA	20130808	LSLE	-MK4	APPLICATION LAPSED SECTION 142(2)(D) - NO CONTINUATION FEE PAID FOR THE APPLICATION	
CA2719237 AA	20091001	LSPB	+	published / reissued	
CA2719237 AA	20140313	LSLE	-FZDE	DEAD	Effective date: 20140116
CN102036630 A	20110427	LSPB	+	published / reissued	
CN102036630 A	20110427	LSPB	+C06	PUBLICATION	
CN102036630 A	20110615		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN102036630 A	20130925	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
CO6300922 A2	20110721	LSPB	+	published / reissued	
CO6300922 A2	20130814	LSRV	-FC	APPLICATION REFUSED	
EA201070978 A1	20110429	LSPB	+	published / reissued	
EP2269549 A1	20110105	LSPB	+	published / reissued	
EP2269549 A1	20110105	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20100922
EP2269549 A1	20110105		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR
EP2269549 A1	20110105		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA RS
EP2269549 A1	20110629		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2269549 A4	20130213	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20130115
EP2269549 A4	20130213		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/511 20060101ALI20130109BHEP ClassificationScheme: IPC
EP2269549 A4	20130213		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/15 20060101AFI20130109BHEP ClassificationScheme: IPC
EP2269549 A4	20130213		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/494 20060101ALI20130109BHEP
EP2269549 A4	20130213		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/49 20060101ALI20130109BHEP
EP2269549 A4	20140122	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20130801
IN03495KN2010 A	20111125	LSPB	+	published / reissued	
JP2009232881 A2	20091015	LSPB	+	published / reissued	
JP2009232881 A2	20110311	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Effective date: 20110310 Text: JAPANESE INTERMEDIATE CODE: A621
JP2009232881 A2	20120920	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20120919 Text: JAPANESE INTERMEDIATE CODE: A131
JP2009232881 A2	20130220	LSRV	-A02	DECISION OF REFUSAL	Effective date: 20130219 Text: JAPANESE INTERMEDIATE CODE: A02
KR20100139005 A	20101231	LSPB	+	published / reissued	
KR20100139005 A	20140217	LSDW	-WITN	WITHDRAWAL DUE TO NO REQUEST FOR EXAMINATION	

7) Family number: 43754229 (US2011060307 AA) © PatBase

Title: ABSORBENT ARTICLE

Abstract: An **absorbent article** includes a void space between a **separator sheet** and a liquid-**absorbent** structure. The **separator sheet** has opposite lateral zones extending in a longitudinal direction, a middle zone via which the opposite lateral zones are contiguous to each other, a front through-hole formed on the side of a front waist region, a rear through-hole formed on the side of rear waist region, and **separator sheet** biasing elastic members attached under tension to the respective lateral zones. A chassis includes a front leg elastic member laid on the side of the front waist region and a rear leg elastic member laid on the side of the rear waist region wherein at least the rear leg elastic member includes a rear transverse segment extending across the crotch region and a position of the rear transverse segment corresponds to a position of the middle zone of the **separator sheet**.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/494 A61F13/495 A61F13/496 A61F13/53 A61F5/44
International (IPC 1-7): A61F13/00
CPC: A61F13/49017 A61F13/495
US: 604/385.01 604/385.19 604/385.25 604/385.250P 604/385.26 604/385.27 604/385.28 604/385.29



Family:

Publication number	Publication date	Application number	Application date
AU2008352427 AA	20090917	AU20080352427	20081216
AU2008352427 BB	20140605	AU20080352427	20081216
BRPI0821175 A2	20150915	BR2008PI21175	20081216
CA2717334 AA	20090917	CA20082717334	20081216
CA2717334 C	20151124	CA20082717334	20081216
CN102014821 A	20110413	CN200880128935	20081216
CN102014821 B	20130814	CN200880128935	20081216
EP2258326 A1	20101208	EP20080873270	20081216
EP2258326 A4	20121219	EP20080873270	20081216
GC5977 A	20170726	GC2009P012887	20090221
IN03232KN2010 A	20111125	IN2010KN03232	20100901
JP2009219627 A2	20091001	JP20080066614	20080314
JP5185665 B2	20130417	JP20080066614	20080314
KR20100135809 A	20101227	KR20107022916	20081216
MY153869 A	20150331	MY20100004163	20081216
TH103044 A	20100730	TH20091001085	20090312
TH53910 B	20170222	TH20091001085	20090312
TW201012441 A	20100401	TW20090108071	20090312
TWI478702 B	20150401	TW20090108071	20090312
US2011060307 AA	20110310	US20080921593	20081216
US8377025 BB	20130219	US20080921593	20081216
WO09113219 A1	20090917	WO2008JP72822	20081216

Priority:

JP20080066614 20080314 WO2008JP72822 20081216

Probable Assignee: UNI CHARM CORP

Assignee(s): (std): MINATO HIRONAO ; NAKAJIMA KAIYO ; UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CO LTD ; UNI CHARM CORPORATIONJP ; يوني تشارم كوربوريشن ; □□□□□□□ □□□□□□□□□□ ; ユニ チャーム株式会社 ; 中嶋 海陽 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司 ; 湊 大尚 ; 유니 참 가부시키가이샤

Inventor(s): (std): HIRONAO MINATO ; KAIYO NAKAJIMA ; MINATO HIRONAO ; NAKAJIMA KAIYO ; NINATO HIRONAO

Inventor(s): هيروناو ميناتو ; كايو ناكاجيما ; □□□□□□□□□□□ □□□□□□ ; □□□□□□□ □□□□□□□ ; 中岛海阳 ; 中嶋 海陽 ; 湊大尚 ; 湊 大尚 ; 나카지마 가이요 ; 미나토 히로나오

Agent(s): LOWE HAUPTMAN HAM AND BERNER LLP; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; PHILLIPS ORMONDE FITZPATRICK; SHIRAHAMA YOSHIHARU ET AL; STARK GORDON DRUMMOND; SULEIMAN I AL AMMAR LAW OFFICE; مكتب سليمان العمار للمحاماة والاستشارات القانونية; □□□□□□□□□ □□□□□□□□□; □□□□□□□□□ □□□□□□□□□ □□□□□□□□□□□□ □□□□□□□ □□□□□□□ □□□□□□□□; □□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□□□ □□□□□□□; □□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□□□ □□□□□□, □□□□□□□ □□□□□□□□; 中国国际贸易促进委员会专利商标事务所 11038; 史雁鸣; 林志剛; 白浜 吉治; 白浜 秀二; 齋藤 博子; 강승옥; 김진회

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2008352427 AA	20090917	LSPB	+	published / reissued	
AU2008352427 AA	20100930	LSRE	DA3	AMENDMENTS MADE SECTION 104	Text: THE NATURE OF THE AMENDMENT IS: AMEND THE INVENTION TITLE TO READ ABSORBENT ARTICLE
AU2008352427 BB	20140605	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2008352427 BB	20141002	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2008352427 BB	20180712	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2008352427 BB	20281216	PEXP		Calculated Patent Term Expiry	
BRPI0821175 A2	20151208	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE AS 6A E 7A ANUIDADES.
BRPI0821175 A2	20160405	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2344 DE 08-12-2015 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
CA2717334 AA	20090917	LSPB	+	published / reissued	
CA2717334 AA	20131122	LSES	+EEER	EXAMINATION REQUEST	Effective date: 20131115
CA2717334 C	20151124	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2717334 C	20190128	LSLE	-MKLA	LAPSED	Effective date: 20181217
CA2717334 C	20281216	PEXP		Calculated Patent Term Expiry	
CN102014821 A	20110413	LSPB	+	published / reissued	
CN102014821 A	20110413	LSPB	+C06	PUBLICATION	
CN102014821 A	20110413	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN102014821 A	20110601		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN102014821 A	20110601		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN102014821 B	20130814	LSGT	+	granted / extensions (spc, cpc, pte)	
CN102014821 B	20130814	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN102014821 B	20130814	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN102014821 B	20181207	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN102014821 B	20181207	LSLE	-CF01	未缴年费专利权终止	Effective date: 20171216 Text: 专利权的终止 (Termination of Patent Right)

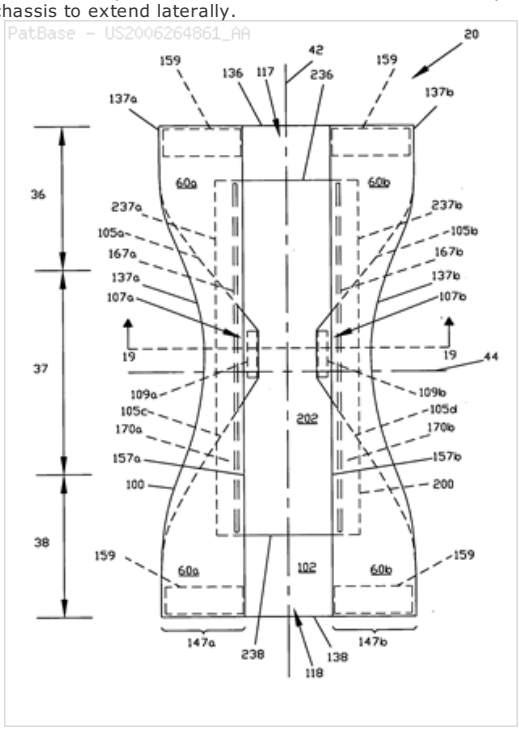
CN102014821 B	20281216	PEXP		Calculated Patent Term Expiry	
EP2258326 A1	20101208	LSPB	+	published / reissued	
EP2258326 A1	20101208	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20100903
EP2258326 A1	20101208		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
EP2258326 A1	20101208		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA MK RS
EP2258326 A1	20110622		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2258326 A4	20121219	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20121116
EP2258326 A4	20121219		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/494 20060101ALI20121112BHEP
EP2258326 A4	20121219		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 5/44 20060101ALI20121112BHEP ClassificationScheme: IPC
EP2258326 A4	20121219		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/49 20060101ALI20121112BHEP ClassificationScheme: IPC
EP2258326 A4	20121219		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101AFI20121112BHEP
EP2258326 A4	20121219		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/496 20060101ALI20121112BHEP
EP2258326 A4	20140101	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20130615
GC5977 A	20170726	LSGT	+	granted / extensions (spc, cpc, pte)	
GC5977 A	20290221	PEXP		Calculated Patent Term Expiry	

8) Family number: 33814127 (US2006264861 AA)

Title: **DISPOSABLE** **ABSORBENT** **ARTICLE** HAVING BREATHABLE SIDE FLAPS

Abstract: A simple **disposable** **absorbent** **article** including a chassis and an **absorbent** assembly. The chassis includes a water-impermeable sheet folded laterally inward at both of its side edges to form opposing side flaps. Each side flap is attached to the interior surface of the chassis adjacent to its end edges. Each side flap has a longitudinally extending elastic gathering member attached adjacent to its proximal edge. The **absorbent** assembly is smaller in width and in length than the chassis. The side edges and end edges of the **absorbent** assembly may be **disposed** proximally relative to the respective side edges and end edges of the chassis. The **absorbent** assembly includes an **absorbent** core that may contain superabsorbent particles, which may be contained inside pockets. The chassis may be extensible. The **absorbent** assembly may be in a cruciform pattern to the chassis to allow portions of the chassis to extend laterally.

Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/20 A61F13/45 A61F13/49 A61F13/494 A61F13/511 A61F13/53 A61F13/537 A61F13/58
International (IPC 1-7): A61F13/15
CPC: A61F13/49017 A61F13/49019 A61F13/49413 A61F13/4942 A61F13/4946 A61F13/5116 A61F13/53713 A61F2013/15121 A61F2013/4512 A61F2013/4948 A61F2013/530007 A61F2013/530481 A61F2013/587
US: 1/1 604/365 604/366 604/374 604/375 604/378 604/385.03 604/385.16 604/385.201 604/385.201P 604/385.28 604/385.280S



Family:

Publication number	Publication date	Application number	Application date
AR055957 AA	20070912	AR2006P102066	20060519
BRPI0611264 A2	20100824	BR2006PI11264	20060517
CL2006001188 A1	20060915	CL20060001188	20060519
CN101018526 A	20070815	CN200680000821	20060517
CN101018526 B	20100623	CN200680000821	20060517
EG25701 A	20120522	EG20070001247	20071118
EP1885313 A1	20080213	EP20060770483	20060517
EP2189138 A2	20100526	EP20100152985	20060517
EP2189138 A3	20110406	EP20100152985	20060517
IN00637DN2007 A	20070803	IN2007DN00637	20070123
IN270135 B	20151204	IN2007DN00637	20070123
MX2007014436 A1	20080207	MX20070014436	20060517
RU2007147863 A	20090627	RU20070147863	20060517
RU2385701 C2	20100410	RU20070147863	20060517
TH83230 A	20070222	TH20061002546	20060602
US10039676 BB	20180807	US20140539134	20141112
US2006264861 AA	20061123	US20050133818	20050520
US2015073365 AA	20150312	US20140539134	20141112
US2015112291 AA	20150423	US20150590044	20150106
US2016213530 AA	20160728	US20160088314	20160401
US2018235819 AA	20180823	US20180959473	20180423
US9333120 BB	20160510	US20150590044	20150106
US9974697 BB	20180522	US20160088314	20160401
WO06127349 A1	20061130	WO2006US19059	20060517
ZA200709826 A	20081126	ZA20070009826	20071114

Priority:

US20050133818 20050520 WO2006US19059 20060517 EP20060770483 20060517
US20140539134 20141112 US20150590044 20150106 US20160088314 20160401
US20180959473 20180423

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): HAYDEN MICHAEL P ; HAYDEN MICHAEL PATRICK ; LAVON GARY D ; LAVON GARY DEAN ; PROCTER AND GAMBLE ; SMITH KEVIN M ; SMITH KEVIN MICHAEL

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ (US) ; □□□□ □□□□□□□□ □□□□ □□□□□□ □□□□□□ ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; HAYDEN MICHAEL P ; HAYDEN MICHAEL PATRICK ; KHEJDEN MICHEL PATRIK ; LAVON GARY D ; LAVON GARY DEAN ; LAVON GERI DIN ; MICHAEL SMITH KEVIN ; PATRICK HAYDEN

MICHAEL ; PATRICK LAVON GARY DEAN SMITH ; SMIT KEVIN MICHEL ; SMITH KEVIN M ; SMITH KEVIN MICHAEL

Inventor(s): GARY DEAN LAVON ; HAYDEN MICHAEL ; KEVIN MICHAEL SMITH ; LAVON GARY ; LAVON GARY DEAN SMITH KEVIN MICHAEL HAYDEN MICHAEL PATRICK ; MICHAEL PATRICK HAYDEN ; SMITH KEVIN ; ЛАВОН ГЕРИ ДИН ; ЛАВОН Гери Дин (US) ; СМИТ КЕВИН МИЧЕЛ ; СМИТ Кевин Мичел (US) ; ХЕЙДЕН МИЧЕЛ ПАТРИК ; ХЕЙДЕН Мичел Патрик (US) ; □□□□□□□□ □□□□□ □□□ ; □□□□□□□ □□ □□□□□□ ; □□□□□□□□□ □□□□□ □□□□□□□ ; 凯文 M 史密斯 ; 凯文·M·史密斯 ; 加里 D 拉万 ; 加里·D·拉万 ; 迈克尔 P 海登 ; 迈克尔·P·海登

Agent(s): ALEXANDER RICHARD L; ANDREW J; DARA M; GEORGE H; KREMER VERONIQUE MARIE JOSEPHINE; LLOVET; MCGREGOR JUDIT ESTER; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; □□□□□□□□□□ □□□□□□□□;□□□□□□□□□□□ □□□□□□□□ □□□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□;□□□□□□□□□□□ □□□□□□□□, □□□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□□ □□□□□□□□; 北京市柳沈律师事务所 11105; 曲莹; 马高平

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR055957 AA	20070912	LSPB	+	published / reissued	
AR055957 AA	20141203	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
BRPI0611264 A2	20160920	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 10A ANUIDADE.
BRPI0611264 A2	20170110	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2385 DE 20-09-2016 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
CL2006001188 A1	20060915	LSPB	+	published / reissued	
CN101018526 A	20070815	LSPB	+	published / reissued	
CN101018526 A	20070815	LSPB	+C06	PUBLICATION	
CN101018526 A	20071010		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101018526 B	20100623	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101018526 B	20100623	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101018526 B	20260517	PEXP		Calculated Patent Term Expiry	
EG25701 A	20120522	LSGT	+	granted / extensions (spc, cpc, pte)	
EG25701 A	20271118	PEXP		Calculated Patent Term Expiry	
EP1885313 A1	20080213	LSPB	+	published / reissued	
EP1885313 A1	20080213	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20071030
EP1885313 A1	20080213		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1885313 A1	20080827		DAX	REQUEST FOR EXTENSION OF	

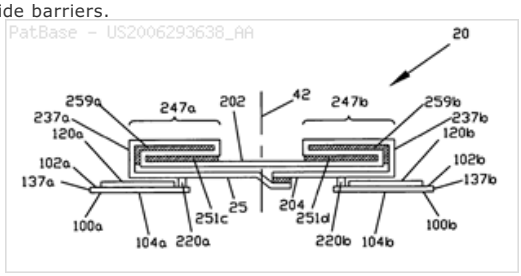
				THE EUROPEAN PATENT (DELETED)	
EP1885313 A1	20090701	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20090528
EP1885313 A1	20131009	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20130409
EP2189138 A2	20100526	LSPB	+	published / reissued	
EP2189138 A2	20100526		AC	DIVISIONAL APPLICATION: REFERENCE TO EARLIER APPLICATION	Kind code of Ref document: P Ref document number: 1885313 Country of Ref document: EP
EP2189138 A2	20100526		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP2189138 A3	20110406		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A3 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP2189138 A3	20111026	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20110909
EP2189138 A3	20140521	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20131105
EP2189138 A3	20141008	LSDW	-R18D	APPLICATION DEEMED TO BE WITHDRAWN (CORRECTED)	Effective date: 20131130
IN00637DN2007 A	20070803	LSPB	+	published / reissued	

9) Family number: 34033524 (US2006293638 AA)

Title: **DISPOSABLE** **ABSORBENT** **ARTICLE** HAVING DOUBLED SIDE FLAPS AND BACKSHEET STRIPS

Abstract: A **disposable** **absorbent** **article** includes two laterally opposing longitudinally extending backsheet strips attached to an exterior surface of an **absorbent** assembly in laterally opposing attachment zones. Each backsheet strip may include a water-impermeable layer and may be extensible. The **absorbent** assembly includes a lower covering sheet that is doubled by folding and thereby includes a first layer and a second layer. The **absorbent** assembly also includes laterally opposing side flaps which are formed by folding doubled portions of the lower covering sheet laterally inward. A longitudinally extending elastic gathering member is attached to each side flap adjacent to its proximal edge. When the **article** is worn, the elastic gathering members contract and raise the side flaps to form side barriers.

Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/494 A61F13/514 A61F514/00
International (IPC 1-7): A61F13/494 A61F13/514
CPC: A61F13/49413 A61F13/49453 A61F13/51474
US: 604/367 604/367P 604/378 604/378S 604/385.24 604/385.25 604/385.26 604/385.260S 604/385.28 604/385.280P 604/385.280S 604/385.29 604/385.3 604/389 604/389S



Family:

Publication number	Publication date	Application number	Application date
AR055802 AA	20070905	AR2006P102699	20060622
AT481070 E	20101015	AT20060765849T	20060623
BRPI0611757 A2	20100928	BR2006PI11757	20060623
CL2006001609 A1	20060915	CL20060001609	20060623
CN101018530 A	20070815	CN200680000818	20060623
CN101018530 B	20100908	CN200680000818	20060623
DE602006016944 D1	20101028	DE200660016944T	20060623
EG24663 A	20100411	EG20070001434	20071216
EP1893151 A1	20080305	EP20060765849	20060623
EP1893151 B1	20100915	EP20060765849	20060623
IN00585DN2007 A	20070817	IN2007DN00585	20070122
MX2007015158 A1	20080215	MX20070015158	20060623
PL1893151 T3	20110331	PL20060765849T	20060623
RU2008101936 A	20090727	RU20080101936	20060623
RU2009143981 A	20110610	RU20090143981	20091127
RU2388443 C2	20100510	RU20080101936	20060623
US2006293638 AA	20061228	US20050159916	20050623
US2009247975 AA	20091001	US20090478994	20090605
US7618404 BB	20091117	US20050159916	20050623
WO06137042 A1	20061228	WO2006IB52065	20060623
ZA200710268 A	20081126	ZA20070010268	20071128

Priority:

US20050159916 20050623 WO2006IB52065 20060623 EP20060765849 20060623
RU20080101936 20060623 US20090478994 20090605

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): LAVON GARY D ; LAVON GARY DEAN ; PROCTER AND GAMBLE ; SMITH KEVIN M ; SMITH KEVIN MICHAEL

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ (US) ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; LAVON GARY ; LAVON GARY D ; LAVON GARY DEAN ; LAVON GERI DIN ; MICHAEL LAVON GARY DEAN SMITH ; MICHAEL SMITH KEVIN ; SMIT KEVIN MICHEL ; SMITH KEVIN ; SMITH KEVIN M ; SMITH KEVIN MICHAEL

Inventor(s): GARY DEAN LAVON ; KEVIN MICHAEL SMITH ; LAVON GARY DEAN SMITH KEVIN MICHAEL ; ЛАВОН ГЕРИ ДИН ; ЛАВОН Гери Дин (US) ; СМИТ КЕВИН МИЧЕЛ ; СМИТ Кевин Мичел (US) ; 凯文 M 史密斯 ; 凯文·M·史密斯 ; 加里 D 拉文 ; 加里·D·拉文

Agent(s): KREMER VERONIQUE MARIE JOSEPHINE; LLOVET; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; RICHARD L; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP; 北京市柳沈律师事务所 11105; 曲莹; 马高平

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 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 MW MX 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 SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR055802 AA	20070905	LSPB	+	published / reissued	
AR055802 AA	20140828	LSGT	+FG	GRANT, REGISTRATION	
AR055802 AA	20161116	LSGT	+FG	GRANT,	

				REGISTRATION	
AT481070 E	20101015	LSGT	+	granted / extensions (spc, cpc, pte)	
AT481070 E	20110315	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT481070 E	20260623	PEXP		Calculated Patent Term Expiry	
BRPI0611757 A2	20120619	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 6A ANUIDADE.
BRPI0611757 A2	20121120	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: NAO APRESENTADA A GUIA DE CUMPRIMENTO DE EXIGENCIA. REFERENTE A 6A ANUIDADE.
CL2006001609 A1	20060915	LSPB	+	published / reissued	
CN101018530 A	20070815	LSPB	+	published / reissued	
CN101018530 A	20070815	LSPB	+C06	PUBLICATION	
CN101018530 A	20071010		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101018530 B	20100908	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101018530 B	20100908	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101018530 B	20120829	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN101018530 B	20260623	PEXP		Calculated Patent Term Expiry	
EG24663 A	20100411	LSGT	+	granted / extensions (spc, cpc, pte)	
EG24663 A	20271216	PEXP		Calculated Patent Term Expiry	
EP1893151 A1	20080305	LSPB	+	published / reissued	
EP1893151 A1	20080305	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20071205
EP1893151 A1	20080305		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1893151 A1	20080409		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP1893151 A1	20081001		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP1893151 B1	20100915	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1893151 B1	20100915		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1893151 B1	20100915	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP1893151 B1	20100915	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: EP Ref country code: CH
EP1893151 B1	20101013	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: IE
EP1893151 B1	20101028		REF	CORRESPONDS TO:	Kind code of Ref document: P Date of Ref document: 20101028 Ref document number: 602006016944 Country of Ref document: DE
EP1893151 B1	20110112	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: VDEP Ref country code: NL Effective date: 20100915
EP1893151 B1	20110131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20100915 Country of Ref document: AT

EP1893151 B1	20110131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20100915 Country of Ref document: FI
EP1893151 B1	20110131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20100915 Country of Ref document: LT
EP1893151 B1	20110225	LSRV	-LTIE	LT: INVALIDATION OF EUROPEAN PATENT OR PATENT EXTENSION	Effective date: 20100915 Ref country code: EP
EP1893151 B1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20100915 Country of Ref document: CY
EP1893151 B1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20100915 Country of Ref document: SI
EP1893151 B1	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20101216 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP1893151 B1	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100915 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LV
EP1893151 B1	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100915 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SE
EP1893151 B1	20110331		REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: T3 Ref country code: PL
EP1893151 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100915 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP1893151 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20100915 Country of Ref document: IT
EP1893151 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110117 Country of Ref document: PT
EP1893151 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20100915 Country of Ref document: NL
EP1893151 B1	20110531	LSLE	-PG25	LAPSED IN A	NotificationOfLapse: LAPSE

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20100915 Country of Ref document: CZ
EP1893151 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100915 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP1893151 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100915 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP1893151 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110115 Country of Ref document: IS
EP1893151 B1	20110630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100915 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BE
EP1893151 B1	20110630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20101226 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP1893151 B1	20110824	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20110616
EP1893151 B1	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20100915 Country of Ref document: DK
EP1893151 B1	20111013	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602006016944 Ref legal event code: R097 Effective date: 20110616 Ref country code: DE Country of Ref document: DE
EP1893151 B1	20120131	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP1893151 B1	20120229	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Effective date: 20110623 Ref country code: EP
EP1893151 B1	20120323	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: ST Ref country code: FR Effective date: 20120229
EP1893151 B1	20120328	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP1893151 B1	20120419	LSDW	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602006016944 Ref country code: DE Effective date: 20120103 Ref legal event code: R119 Country of Ref document: DE
EP1893151 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110630 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP1893151 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20110630 Country of Ref document: LI

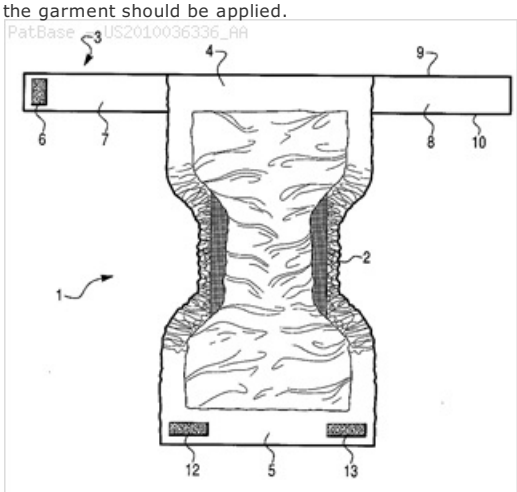
				NATIONAL OFFICE TO EPO]	
EP1893151 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20110623 Country of Ref document: IE
EP1893151 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110630 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: FR
EP1893151 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120103 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: DE
EP1893151 B1	20120629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20110623 Country of Ref document: GB
EP1893151 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110623 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: PL
EP1893151 B1	20121130	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: PL Ref legal event code: LAPE
EP1893151 B1	20130430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20110630 Country of Ref document: MC
EP1893151 B1	20130531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110623 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LU
EP1893151 B1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100915 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP1893151 B1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20101215 Country of Ref document: BG
EP1893151 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100915 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: HU
EP1893151 B1	20260623	PEXP		Calculated Patent Term Expiry	

10) Family number: 44339636 (US2010036336 AA)

Title: APPLICATION OF A WAIST BELT FOR AN **ABSORBENT ARTICLE**

Abstract: A garment and method of producing an **absorbent article** includes an **absorbent** section. The **absorbent** section includes a front and rear portion. A waist belt is attached to the **absorbent** section. The waist belt includes first and second belt portions extending on each side of the rear portion of the **absorbent** section for securing to each other around a wearer of the garment. The front portion of the **absorbent** section includes a fastening device for securing the front portion of the **absorbent** section to the waist belt. To better aid the wearer or caregiver on how to put the product on the user, instructions are provided directly on the garment which describe how the garment should be applied.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/42 A61F13/64 A61F13/84
CPC: A61F13/64 A61F2013/15243
US: 604/361 604/361P 604/385.03 604/385.030S 604/387 604/387S 604/392 604/392S



Family:

Publication number	Publication date	Application number	Application date
CA2729167 AA	20100211	CA20092729167	20090730
MX2011000522 A1	20110315	MX20110000522	20090730
US2010036336 AA	20100211	US20080186890	20080806
WO10016793 A1	20100211	WO2009SE50916	20090730

Priority:

US20080186890 20080806 WO2009SE50916 20090730

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): BOGDANOVA JENNY ; BURVALL ANGELICA ; GUSTIN BERGSTROEM MARIA ; IVARSSON BEATA ; KOVACIC EMILIA ; SCA HYGIENE PROD AB ; SELLGREN LISA

Assignee(s): GUSTIN BERGSTROM MARIA ; SCA HYGIENE PRODUCTS AB

Inventor(s): (std): BOGDANOVA JENNY ; BURVALL ANGELICA ; GUSTIN BERGSTROEM MARIA ; GUSTIN BERGSTROM MARIA ; IVARSSON BEATA ; KOVACIC EMILIA ; SELLGREN LISA

Agent(s): DRINKER BIDDLE AND REATH; DRINKER BIDDLE AND REATH (DC); RIDOUT AND MAYBEE LLP; VALEA 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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CA2729167 AA	20100211	LSPB	+	published / reissued	
CA2729167 AA	20140807	LSES	+EEER	EXAMINATION REQUEST	Effective date: 20140716
CA2729167 AA	20170109	LSLE	-FZDE	DEAD	Effective date: 20161128
MX2011000522 A1	20110315	LSPB	+	published / reissued	
US2010036336 AA	20080828	LSAS	AS	ASSIGNMENT	Effective date: 20080825 PartyType: owner Owner: SCA HYGIENE PRODUCTS AB,SWEDEN OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BOGDANOVA, JENNY;GUSTIN BERGSTROM, MARIA;KOVACIC, EMILIA;REEL/FRAME:021456/0874
US2010036336 AA	20090129	LSAS	AS	ASSIGNMENT	PartyType: owner Owner: SCA HYGIENE PRODUCTS AB,SWEDEN OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BOGDANOVA, JENNY;GUSTIN BERGSTROM,

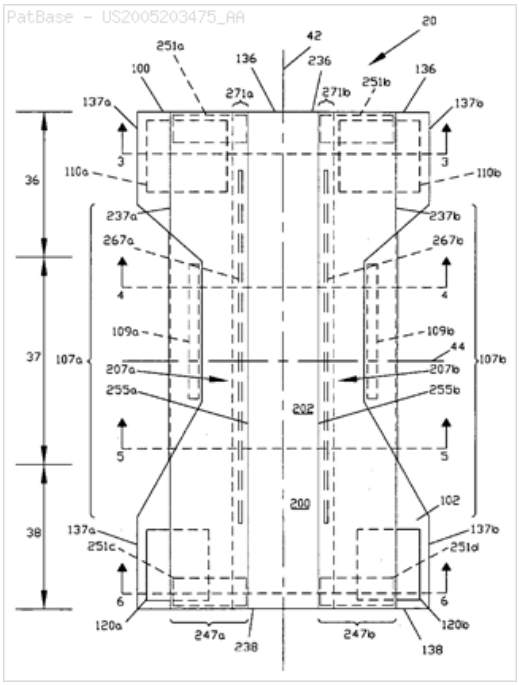
					MARIA;KOVACIC, EMILIA;AND OTHERS;REEL/FRAME:022209/0494 Effective date: 20081118
US2010036336 AA	20100211	LSPB	+	published / reissued	
US2010036336 AA	20140318	LSAL	APL5	On Appeal -- Awaiting Decision by the Board of Appeals	
US2010036336 AA	20170331	LSAL	BDR1	Board of Appeals Decision Rendered	
US2010036336 AA	20170607	LSWD	ABD1	Abandoned -- After Examiner's Answer or Board of Appeals Decision	
US2010036336 AA	20170607		-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	Text: ABANDONED -- AFTER EXAMINER'S ANSWER OR BOARD OF APPEALS DECISION
WO10016793 A1	20100211	LSPB	+	published / reissued	
WO10016793 A1	20100407		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Ref document number: 09805233 Kind code of Ref document: A1 Country of Ref document: EP
WO10016793 A1	20101223	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Ref document number: 2729167 Country of Ref document: CA
WO10016793 A1	20110114	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: MX/A/2011/000522 Country of Ref document: MX
WO10016793 A1	20110208	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE
WO10016793 A1	20110831	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	Kind code of Ref document: A1 Ref document number: 09805233 Country of Ref document: EP

11) Family number: 32247184 (US2005203475 AA)

Title: SIMPLE **DISPOSABLE** **ABSORBENT** **ARTICLE** HAVING BREATHABLE SIDE BARRIERS

Abstract: A simple **disposable** **absorbent** **article** including an **absorbent** assembly attached to a chassis. The **absorbent** assembly includes an **absorbent** core that may contain superabsorbent particles, which may be contained inside pockets. The **absorbent** assembly is folded laterally inward at both of its side edges to form laterally opposing side flaps. Each side flap is attached to an interior surface of the **absorbent** assembly adjacent to its end edges. A longitudinally extending elastic gathering member is attached to each side flap adjacent to its proximal edge. When the **article** is worn, the elastic gathering members contract and raise the side flaps to form breathable side barriers. The chassis includes a water-impermeable sheet and may be extensible. The **absorbent** assembly may be attached in a cruciform pattern such that portions of the chassis that lie outside the attachment pattern are not restrained by attachment to the **absorbent** assembly and therefore remain extensible.

Classifications:
International (IPC 8-9): A61F A61F13/00 A61F13/15 A61F13/20 A61F13/49 A61F13/494 A61F13/496 A61F13/514 A61F13/537 A61F13/539 A61F5/44
International (IPC 1-7): A61F13/15 A61F13/20
CPC: A61F13/49413 A61F13/539
US: 604/385.04 604/385.040P 604/385.24 604/385.25 604/385.26 604/385.27 604/385.28



Family:

Publication number	Publication date	Application number	Application date
AR049255 AA	20060712	AR2005P100963	20050311
AU2005222601 AA	20050929	AU20050222601	20050310
AU2005222601 BB	20090730	AU20050222601	20050310
BRPI0508661 A	20070814	BR2005PI08661	20050310
CA2558578 AA	20060905	CA20052558578	20050310
CA2558578 C	20100914	CA20052558578	20050310
CA2681888 AA	20050929	CA20052681888	20050310
CL2005000514 A1	20051209	CL20050000514	20050311
CN100512782 C	20090715	CN200580000005	20050310
CN1764429 A	20060426	CN200580000005	20050310
EG24633 A	20100310	EG20060000836	20060906
EP1740137 A1	20070110	EP20050725137	20050310
HK1089923 A1	20061215	HK20060110380	20060919
HK1089923 A3	20061215	HK20060110380	20060919
IN02454DN2009 A	20100820	IN2009DN02454	20090415
IN05835DN2006 A	20070713	IN2006DN05835	20061006
IN234248 B	20090605	IN2006DN05835	20061006
JP2007527777 T2	20071004	JP20070502967T	20050310
JP2010057930 A2	20100318	JP20090236463	20091013
KR20060126596 A	20061207	KR20067018519	20050310
RU2006131996 A	20080420	RU20060131996	20050310
RU2008126456 A	20100110	RU20080126456	20080701
RU2341240 C2	20081220	RU20060131996	20050310
SG151272 A1	20090430	SG20090017963	20050310
SG151312 A1	20090430	SG20090021122	20050310
US2005203475 AA	20050915	US20040799947	20040312
US7318820 BB	20080115	US20040799947	20040312
WO05089689 A1	20050929	WO2005US07796	20050310

Priority:

US20040799947 20040312 US20040799749 20040312 WO2005US07796 20050310
CA20052558578 20050310 JP20070502967 20050310 JP20070502967T 20050310
CA20092558578 20091110

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): LAVON GARY DEAN ; NIGAM PANKAJ ; PROCTER AND GAMBLE

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ (US) ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司 ; 寶潔公司 ; 더 프록터 앤드 갬블 캄파니

Inventor(s): (std): DEAN LAVON GARY ; LAVON GARY D ; LAVON GARY DEAN ; LAVON GEHRI DIN ; LAVON GRAY D ; NIGAM PANKAJ ; NIGAM PANKAZH ; PANKAJ LAVON GARY DEAN NIGAM ; PANKAJ NIGAM

Inventor(s): GARY DEAN ; GARY DEAN LAVON ; LAVON ; LAVON GARY ; LAVON GARY DEAN NIGAM PANKAJ ; NIGAM ; PANKAJ ; ЛАВОН ГЭРИ ДИН ; ЛАВОН Гэри Дин (US) ; НИГАМ ПАНКАЖ ; НИГАМ Панкаж (US) ; ゲーリー ディーン ラボン ; パンカジ ニガム ; 加里·D·拉沃恩 ; 潘卡杰·尼甘 ; 니갬 팬카즈 ; 라본 게리 딘

Agent(s): DIMOCK STRATTON LLP; FAYETTE THIBAULT; FITZPATRICK MATTHEW P; GRIFFITH HACK; HAYDEN MICHAEL P; LIU SHEN AND ASSOCIATES; LLOVET; MATTHEW P; MICHAEL P; NAGAI HIROSHI; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; THIBAULT; WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WILSON LUE LLP; 勝沼 宏仁; 北京市柳沈律师事务所; 吉武 賢次; 堀田 幸裕; 岡田 淳平; 李晓舒; 永井 浩之; 磯貝 克臣; 魏晓刚; 김창세

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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR049255 AA	20060712	LSPB	+	published / reissued	
AR049255 AA	20111121	LSWD	-FB	SUSPENSION OF GRANTING PROCEDURE	
AU2005222601 AA	20050929	LSPB	+	published / reissued	
AU2005222601 BB	20090730	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2005222601 BB	20091126	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2005222601 BB	20111006	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2005222601 BB	20250310	PEXP		Calculated Patent Term Expiry	
BRPI0508661 A	20070814	LSPB	+	published / reissued	
BRPI0508661 A	20150630	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0508661 A	20160517	LSRV	B09B	DECISION: REFUSAL	Text: INDEFIRO O PEDIDO DE ACORDO COM O(S) ARTIGO(S) 8O, 13 E 25 DA LPI.
BRPI0508661 A	20160927	LSRV	B09B	DECISION: REFUSAL	Text: MANTIDO O INDEFERIMENTO UMA VEZ QUE NAO FOI APRESENTADO RECURSO DENTRO DO PRAZO LEGAL.
CA2558578 AA	20060905	LSPB	+	published / reissued	
CA2558578 AA	20060905	LSES	+EEER	EXAMINATION REQUEST	
CA2558578 C	20100914	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2558578 C	20120312	LSLE	-MKLA	LAPSED	
CA2558578 C	20250310	PEXP		Calculated Patent Term Expiry	
CA2681888 AA	20050929	LSPB	+	published / reissued	
CA2681888 AA	20091013	LSES	+EEER	EXAMINATION REQUEST	
CA2681888 AA	20111230	LSLE	-FZDE	DEAD	
CL2005000514 A1	20051209	LSPB	+	published / reissued	
CN100512782 C	20090715	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100512782 C	20090715	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN100512782 C	20090715	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN100512782 C	20121019		REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: WD Ref country code: HK Ref document number: 1089923 Country of Ref document: HK

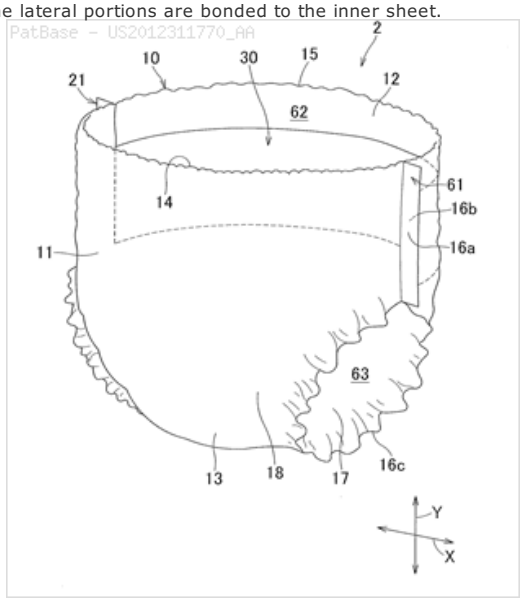
CN100512782 C	20190308	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN100512782 C	20190308	LSLE	-CF01	未缴年费专利权终止	Text: 专利权的终止 (Termination of Patent Right) Effective date: 20180310
CN100512782 C	20250310	PEXP		Calculated Patent Term Expiry	
CN1764429 A	20060426	LSPB	+	published / reissued	
CN1764429 A	20060426	LSPB	+C06	PUBLICATION	
CN1764429 A	20060426	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN1764429 A	20060614		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN1764429 A	20060614		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN1764429 A	20061215		REG	REFERENCE TO A NATIONAL CODE	Ref document number: 1089923 Ref legal event code: DE Ref country code: HK Country of Ref document: HK

12) Family number: 49466275 (US2012311770 AA)

Title: **DISPOSABLE** WEARING **ARTICLE**

Abstract: A **disposable** wearing **article** has a skin-contactable sheet moveable relative to a chassis. The chassis includes an inner sheet, an outer sheet and a liquid-**absorbent** panel interposed between these inner and outer sheets. The **absorbent** panel lies at least in the crotch region and extends into the front and rear waist regions in the longitudinal direction. In the rear waist region, a skin-contactable sheet adapted to come in contact with the wearer's skin is attached to the inner surface of the inner sheet. The skin-contactable sheet has front and rear ends extending in the transverse direction and lateral portions extending in the longitudinal direction and only the lateral portions are bonded to the inner sheet.

Classifications:
International (IPC 8-9): A41B9/00 A61F A61F13/00 A61F13/15 A61F13/49 A61F13/494 A61F13/511 A61F13/513 A61F13/74 A61F13/76
CPC: A61F13/49011 A61F13/49466 A61F13/5116 A61F13/513 A61F2013/00404 A61F2013/15024 A61F2013/15154 A61F2013/51182 A61F2013/51316
US: 2/400 2/401 604/385.01 604/385.101 604/386 604/397 604/398



Family:

Publication number	Publication date	Application number	Application date
BR112012020349 A2	20160503	BR20121120349	20110217
CN102844007 A	20121226	CN201180019744	20110217
EP2537496 A1	20121226	EP20110744713	20110217
EP2537496 A4	20131106	EP20110744713	20110217
JP2011167412 A2	20110901	JP20100035253	20100219
JP5596994 B2	20141001	JP20100035253	20100219
US2012311770 AA	20121213	US20110578843	20110217
US9011396 BB	20150421	US20110578843	20110217
WO11102427 A1	20110825	WO2011JP53411	20110217
ZA201206149 A	20130529	ZA20120006149	20120815

Priority:
JP20100035253 20100219 WO2011JP53411 20110217

Probable Assignee: UNICHARM CORP

Assignee(s): (std): NAKAJIMA KAIYO ; TANAKA YOSHIKAZU ; TODA HARUKI ; UNICHARM CORP

Assignee(s): UNI CHARM CO LTD ; UNICHARM CORPORATION ; ユニ チャーム株式会社 ; ユニ･チャーム株式会社 ; 中嶋 海陽 ; 尤妮佳股份有限公司 ; 戸田 温樹 ; 田中 良和

Inventor(s): (std): NAKAJIMA KAIYO ; TANAKA YOSHIKAZU ; TODA ATSUKI ; TODA HARUKI

Inventor(s): HARUKI TODA ; KAIYO NAKAJIMA ; YOSHIKAZU TANAKA ; 中岛海阳 ; 中嶋 海陽 ; 户田温树 ; 戸田 温樹 ; 田中良和

Agent(s): LOWE HAUPTMAN AND HAM LLP; MURGATROYD SUSAN ELIZABETH; SHIRAHAMA YOSHIHARU ET AL; 刘新宇; 北京林达刘知识产权代理事务所(普通合伙) 11277; 张会华; 白浜 吉治; 白浜 秀二; 齋藤 博子

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
BR112012020349 A2	20160614	LSRV	-B11A	DISMISSAL ACC. ART.33 OF IPL - EXAMINATION NOT REQUESTED WITHIN 36 MONTHS OF FILING	
BR112012020349 A2	20170404	LSRV	-B11Y	DEFINITIVE DISMISSAL ACC. ARTICLE 33 OF IPL - EXTENSION OF TIME LIMIT FOR REQUEST	

				OF EXAMINATION EXPIRED	
CN102844007 A	20121226	LSPB	+	published / reissued	
CN102844007 A	20121226	LSPB	+C06	PUBLICATION	
CN102844007 A	20130227		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN102844007 A	20141210	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
EP2537496 A1	20121226	LSPB	+	published / reissued	
EP2537496 A1	20121226	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20120913
EP2537496 A1	20121226		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2537496 A1	20130529		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2537496 A4	20131106	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20131007
EP2537496 A4	20131106		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/494 20060101ALI20130930BHEP
EP2537496 A4	20131106		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/15 20060101ALI20130930BHEP ClassificationScheme: IPC
EP2537496 A4	20131106		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/49 20060101AFI20130930BHEP ClassificationScheme: IPC
EP2537496 A4	20131106		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/511 20060101ALI20130930BHEP ClassificationScheme: IPC
EP2537496 A4	20131106		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/00 20060101ALI20130930BHEP ClassificationScheme: IPC
EP2537496 A4	20131106		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/513 20060101ALI20130930BHEP
EP2537496 A4	20141029	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20140507
JP2011167412 A2	20110901	LSPB	+	published / reissued	
JP2011167412 A2	20130206	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A621 Effective date: 20130205
JP2011167412 A2	20131120	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20131119
JP2011167412 A2	20131207	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20131206
JP2011167412 A2	20140521	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20140520
JP2011167412 A2	20140709	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20140708

JP2011167412 A2	20140724	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2011167412 A2	20140806	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01 Effective date: 20140805
JP2011167412 A2	20140814	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective date: 20140808 Text: JAPANESE INTERMEDIATE CODE: A61
JP5596994 B2	20140807	LSGT	+A01	特許査定書	
JP5596994 B2	20140807	LSGT	+A01	特許査定書	Effective date: 20140805
JP5596994 B2	20140812	LSFE	R100	特許料納付書	
JP5596994 B2	20140812	LSFE	R100	特許料納付書	Effective date: 20140808 Text: 51401643492
JP5596994 B2	20140815	LSGT	+R150	特許証	
JP5596994 B2	20140815	LSGT	+R150	特許証	Effective date: 20140826
JP5596994 B2	20141001	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5596994 B2	20170713	LSFE	R20	特許料納付書	
JP5596994 B2	20170713	LSFE	R20	特許料納付書	Text: 51701473757 Effective date: 20170711
JP5596994 B2	20170725	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5596994 B2	20170725	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5596994 B2	20170725	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20170801
JP5596994 B2	20180712	LSFE	R20	特許料納付書	
JP5596994 B2	20180712	LSFE	R20	特許料納付書	Effective date: 20180710 Text: 51801425469
JP5596994 B2	20180724	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5596994 B2	20180724	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5596994 B2	20180724	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20180731
JP5596994 B2	20190711	LSFE	R20	特許料納付書	
JP5596994 B2	20190711	LSFE	R20	特許料納付書	Text: 51901470241 Effective date: 20190710
JP5596994 B2	20190723	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5596994 B2	20190723	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5596994 B2	20190723	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20190802
JP5596994 B2	20200710	LSFE	R20	特許料納付書	Text: 52001411080 Effective date: 20200709
JP5596994 B2	20200713	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5596994 B2	20200713	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20200807
JP5596994 B2	20300219	PEXP		Calculated Patent Term Expiry	
US2012311770 AA	20121213	LSPB	+	published / reissued	
US2012311770 AA	20150401	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US9011396 BB	20120814	LSAS	AS	ASSIGNMENT	Owner: UNICHARM CORPORATION, JAPAN OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:NAKAJIMA, KAIYO;TODA, HARUKI;TANAKA, YOSHIKAZU;SIGNING DATES FROM 20120629 TO 20120704;REEL/FRAME:028780/0827 PartyType: owner

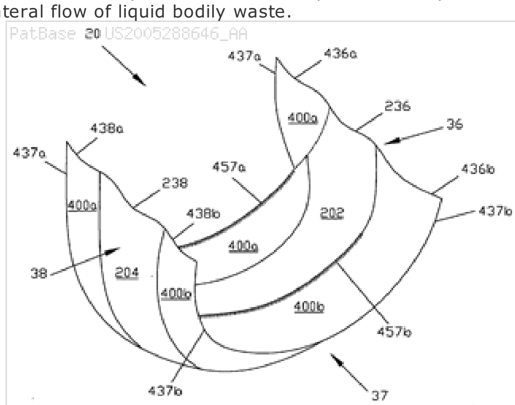
US9011396 BB	20150401	LSGT	PAT1	Patented Case	
US9011396 BB	20150421	LSGT	+	granted / extensions (spc, cpc, pte)	
US9011396 BB	20311123	PEXP		Calculated Patent Term Expiry (PTA 279 days)	
WO11102427 A1	20110217	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 201180019744.2 Country of Ref document: CN
WO11102427 A1	20110825	LSPB	+	published / reissued	
WO11102427 A1	20111012		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Ref document number: 11744713 Kind code of Ref document: A1 Country of Ref document: EP
WO11102427 A1	20120814	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 13578843 Country of Ref document: US
WO11102427 A1	20120820	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE
WO11102427 A1	20120913	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2011744713 Country of Ref document: EP
WO11102427 A1	20121211		REG	REFERENCE TO NATIONAL CODE	Ref legal event code: B01A Ref country code: BR Ref document number: 112012020349 Country of Ref document: BR
WO11102427 A1	20160503	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Effective date: 20120814 Kind code of Ref document: A2 Ref document number: 112012020349 Country of Ref document: BR
ZA201206149 A	20130529	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA201206149 A	20320814	PEXP		Calculated Patent Term Expiry	

13) Family number: 32518269 (US2005288646 AA) © PatBase

Title: DISPOSABLE ABSORBENT ARTICLE HAVING BARRIER CUFF STRIPS

Abstract: A **disposable absorbent article** includes two laterally opposing longitudinally extending barrier cuff strips attached to an interior surface of an **absorbent** assembly in laterally opposing attachment zones. Each barrier cuff strip may include a water-impermeable layer and may be extensible. A longitudinally extending elastic gathering member is attached to each barrier cuff strip adjacent to its proximal edge. When the **article** is worn, the elastic gathering members contract and raise the barrier cuff strips to form side barriers. The **absorbent** assembly includes an **absorbent** core that may contain superabsorbent particles, which may be contained inside pockets. A portion of the **absorbent** assembly such as the portion that lies between the barrier cuff strip attachment zones may be extensible and may include a water-impermeable layer. The laterally opposing attachment zones may act as dams preventing a lateral flow of liquid bodily waste.

Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/49 A61F13/494 A61F13/56 A61F13/66 A61F5/44
International (IPC 1-7): A61F13/15 A61F13/49
CPC: A61F13/4942 A61F13/511
US: 604/385.24 604/385.28 604/385.280P



Family:

Publication number	Publication date	Application number	Application date
AR049414 AA	20060726	AR2005P102673	20050628
BRPI0512664 A	20080401	BR2005PI12664	20050629
CA2567787 AA	20061122	CA20052567787	20050629
CA2567787 C	20130212	CA20052567787	20050629
CL2005001620 A1	20060324	CL20050001620	20050629
CN100581515 C	20100120	CN200510067247	20050420
CN1714772 A	20060104	CN200510067247	20050420
EG24921 A	20101222	EG20060001217	20061217
EP1761226 A2	20070314	EP20050764441	20050629
IN07184DN2006 A	20070824	IN2006DN07184	20061129
IN268810 B	20150925	IN2006DN07184	20061129
JP2008504894 T2	20080221	JP20070519413T	20050629
JP2011056275 A2	20110324	JP20100239784	20101026
JP5259677 B2	20130807	JP20100239784	20101026
TH78363 A	20060629	TH20051002972	20050628
US2005288646 AA	20051229	US20040880128	20040629
US8684988 BB	20140401	US20040880128	20040629
WO06004873 A2	20060112	WO2005US23180	20050629
WO06004873 A3	20060713	WO2005US23180	20050629
ZA200610462 A	20080827	ZA20060010462	20061213

Priority:

US20040880128 20040629 CN200510067247 20050420 WO2005US23180 20050629
JP20070519413 20050629 JP20070519413T 20050629 WO2006US23180 20060629

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): LAVON GARY DEAN ; PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; □□□□ □□□□□□□□□ □□□□ □□□□□□ □□□□□ ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; LAVON GARY D ; LAVON GARY DEAN

Inventor(s): GARY DEAN LAVON ; LAVON GARY ; □□□□□□ □□ □□□□□ ; ゲイリー ディーン ラボン ; 加里·D·拉冯

Agent(s): DIMOCK STRATTON LLP; LLOVET; NAGAI HIROSHI; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; RICHARD L; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; WILSON LUE LLP; □□□□□□□□□□□ □□□□□□□; □□□□□□□□□□ □□□□□□□ □□□□□□□□□□□ □□□□□□□ □□□□□□□□□□□□□□□ □□□□□□□□□ □□□□□□□ □□□□□□□□□□; □□□□□□□□□□ □□□□□□□, □□□□□□□□□□ □□□□□□□□, □□□□□□□□□□□□□□ □□□□□□□□□□, □□□□□□□ □□□□□□□,; 勝沼 宏仁; 北京市柳沈律师事务所; 吉武 賢次; 名塚 聡; 堀田 幸裕; 大野 浩之; 宮腰 健介; 封新琴; 岡田 淳平; 巫肖南; 森 秀行; 永井 浩之; 磯貝 克臣

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR049414 AA	20060726	LSPB	+	published / reissued	

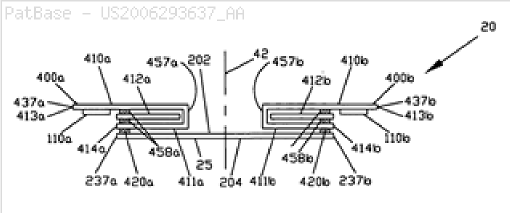
AR049414 AA	20120531	LSGT	+FG	GRANT, REGISTRATION	
BRPI0512664 A	20080401	LSPB	+	published / reissued	
BRPI0512664 A	20160920	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 11A ANUIDADE.
BRPI0512664 A	20170110	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2385 DE 20-09-2016 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
CA2567787 AA	20061122	LSPB	+	published / reissued	
CA2567787 AA	20061122	LSES	+EEER	EXAMINATION REQUEST	
CA2567787 C	20130212	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2567787 C	20140813	LSLE	-MKLA	LAPSED	Effective date: 20140702
CA2567787 C	20250629	PEXP		Calculated Patent Term Expiry	
CL2005001620 A1	20060324	LSPB	+	published / reissued	
CN100581515 C	20100120	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100581515 C	20100120	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN100581515 C	20150610	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN100581515 C	20250420	PEXP		Calculated Patent Term Expiry	
CN1714772 A	20060104	LSPB	+	published / reissued	
CN1714772 A	20060104	LSPB	+C06	PUBLICATION	
CN1714772 A	20060301		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
EG24921 A	20101222	LSGT	+	granted / extensions (spc, cpc, pte)	
EG24921 A	20261217	PEXP		Calculated Patent Term Expiry	
EP1761226 A2	20070314	LSPB	+	published / reissued	
EP1761226 A2	20070314	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20061211
EP1761226 A2	20070314		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1761226 A2	20071003		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP1761226 A2	20090422	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20090325
EP1761226 A2	20140625	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20140103
IN07184DN2006 A	20070824	LSPB	+	published / reissued	

14) Family number: 34033514 (US2006293637 AA) © PatBase

Title: DISPOSABLE ABSORBENT ARTICLE HAVING DUAL LAYER BARRIER CUFF STRIPS

Abstract: A **disposable absorbent article** includes two laterally opposing longitudinally extending barrier cuff strips attached to an **absorbent** assembly in laterally opposing attachment zones. Each barrier cuff strip includes an upper layer and a lower layer at least between its proximal edge and the attachment zones. A longitudinally extending elastic gathering member is attached to each barrier cuff strip adjacent to its proximal edge. When the **article** is worn, the elastic gathering members contract and raise the barrier cuff strips to form side barriers. The **absorbent** assembly includes an **absorbent** core that may contain superabsorbent particles, which may be contained inside pockets. A portion of the **absorbent** assembly such as the portion that lies between the barrier cuff strip attachment zones may be extensible and may include a water-impermeable layer. The laterally opposing attachment zones may act as dams preventing a lateral flow of liquid bodily waste.

Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/49 A61F13/494
International (IPC 1-7): A61F13/15
CPC: A61F13/49019 A61F13/4942
US: 604/385.16 604/385.160P 604/385.201 604/385.201S 604/385.24 604/385.240S 604/385.25 604/385.28 604/385.280P 604/385.29 604/385.3



Family:

Publication number	Publication date	Application number	Application date
AR055976 AA	20070912	AR2006P102698	20060622
BRPI0612487 A2	20101123	BR2006PI12487	20060621
CL2006001587 A1	20060915	CL20060001587	20060622
CL46720 B	20100720	CL20060001587	20060622
CN101018525 A	20070815	CN200680000819	20060621
CN101018525 B	20100519	CN200680000819	20060621
EG26369 A	20130904	EG20070001427	20071216
EP1893149 A1	20080305	EP20060765820	20060621
IN00638DN2007 A	20070803	IN2007DN00638	20070123
IN257080 B	20130906	IN2007DN00638	20070123
MX2007016167 A1	20080310	MX20070016167	20060621
RU2007144942 A	20090727	RU20070144942	20060621
RU2009148305 A	20110710	RU20090148305	20091225
RU2387425 C2	20100427	RU20070144942	20060621
RU2433808 C2	20111120	RU20090148305	20091225
TH84679 A	20070524	TH20061002899	20060622
US2006293637 AA	20061228	US20050158563	20050622
US2010125263 AA	20100520	US20100694736	20100127
US7695463 BB	20100413	US20050158563	20050622
WO06137032 A1	20061228	WO2006IB52020	20060621
ZA200710561 A	20081231	ZA20070010561	20071204

Priority:

US20050158563 20050622 WO2006IB52020 20060621 RU20070144942 20071205
US20100694736 20100127

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): LAVON GARY DEAN ; PROCTER AND GAMBLE ; SMITH KEVIN MICHAEL

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ (US) ; □□□□ □□□□□□□□ □□□□ □□□□□□□ □□□□□□□ □ □ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; LA VON GARY D ; LA VON GARY D SMITH KEVIN M ; LAVON GARY DEAN ; LAVON GEHRI DIN ; MICHAEL SMITH KEVIN ; SMIT KEVIN MAJKL ; SMITH KEVIN M ; SMITH KEVIN MICHAEL

Inventor(s): GARY DEAN LAVON ; KEVIN MICHAEL SMITH ; LA VON GARY ; LAVON GARY DENA ; SMITH KEVIN ; SMITH KEVIN MICHAEL LAVON GARY DENA ; ЛАВОН ГЭРИ ДИН ; ЛАВОН Гэри Дин (US) ; СМИТ КЕВИН МАЙКЛ ; СМИТ Кевин Майкл (US) ; □□□□ □□□□□ □□□ □□□□□□□□□□□□ ; □□□ □□ □□□□□ □□□□□□□□□□□□ ; 凯文·M·史密斯 ; 加里·D·拉文

Agent(s): KREMER VERONIQUE MARIE JOSEPHINE ET AL; LLOVET; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; RICHARD L; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP; □□□□□□□□□□ □□□□□□□□; □□□□□□□□□□ □□□□□□□□ □□□□□□□□□□ □□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□ □□□□□□□□;□□□□□□□□□□ □□□□□□□□, □□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□ □□□□□□□□; 北京市柳沈律师事务所 11105; 曲莹; 马高平

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 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 MW MX 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 SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR055976 AA	20070912	LSPB	+	published / reissued	

AR055976 AA	20141203	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
BRPI0612487 A2	20160920	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 10A ANUIDADE.
BRPI0612487 A2	20170110	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2385 DE 20-09-2016 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
CL2006001587 A1	20060915	LSPB	+	published / reissued	
CL46720 B	20100720	LSGT	+	granted / extensions (spc, cpc, pte)	
CL46720 B	20260622	PEXP		Calculated Patent Term Expiry	
CN101018525 A	20070815	LSPB	+	published / reissued	
CN101018525 A	20070815	LSPB	+C06	PUBLICATION	
CN101018525 A	20070815	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN101018525 A	20071010		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101018525 A	20071010		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN101018525 B	20100519	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101018525 B	20100519	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101018525 B	20100519	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN101018525 B	20190607	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN101018525 B	20190607	LSLE	-CF01	未缴年费专利权终止	Effective date: 20180621 Text: 专利权的终止 (Termination of Patent Right)
CN101018525 B	20260621	PEXP		Calculated Patent Term Expiry	
EG26369 A	20130904	LSGT	+	granted / extensions (spc, cpc, pte)	
EG26369 A	20271216	PEXP		Calculated Patent Term Expiry	
EP1893149 A1	20080305	LSPB	+	published / reissued	
EP1893149 A1	20080305	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20071205
EP1893149 A1	20080305		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1893149 A1	20080409		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP1893149 A1	20081001		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN	

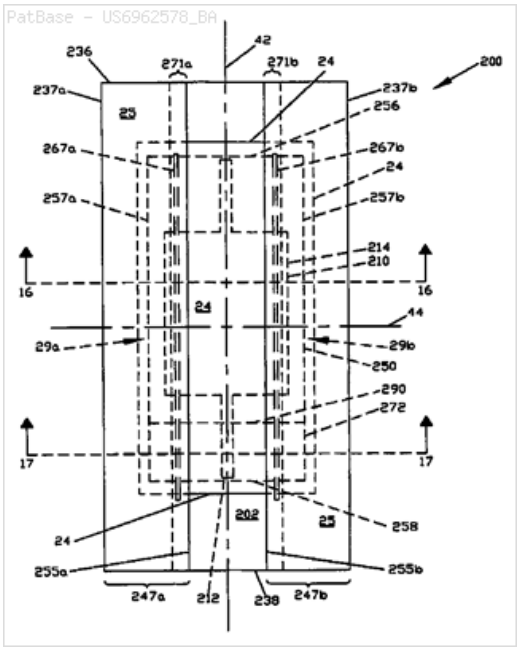
				PATENT (DELETED)	
EP1893149 A1	20110112	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20101209
EP1893149 A1	20130619	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20130103
IN00638DN2007 A	20070803	LSPB	+	published / reissued	
IN257080 B	20130906	LSGT	+	granted / extensions (spc, cpc, pte)	
IN257080 B	20270123	PEXP		Calculated Patent Term Expiry	

15) Family number: 42246709 (US6962578 BA)

Title: **DISPOSABLE** **ABSORBENT** **ARTICLE** HAVING BACKSHEET STRIPS

Abstract: A **disposable** **absorbent** **article** includes two laterally opposing longitudinally extending backsheet strips attached to an exterior surface of an **absorbent** assembly in laterally opposing attachment zones. Each backsheet strip may include a water-impermeable layer and may be extensible. The **absorbent** assembly includes laterally opposing side flaps which may be formed by folding portions of the **absorbent** assembly laterally inward. A longitudinally extending elastic gathering member is attached to each side flap adjacent to its proximal edge. When the **article** is worn, the elastic gathering members contract and raise the side flaps to form side barriers. The **absorbent** assembly includes an **absorbent** core that may contain superabsorbent particles, which may be contained inside pockets. A portion of the **absorbent** assembly such as the portion that lies between the backsheet strip attachment zones may be extensible and may include a water-impermeable layer.

Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/20 A61F13/49 A61F13/494 A61F13/514 A61F13/515 A61F13/534 A61F13/539 A61F13/56
International (IPC 1-7): A61F13/15 A61F13/49 A61F13/494 A61F13/539
CPC: A61F13/49 A61F13/49009 A61F13/49011 A61F13/49014 A61F13/49015 A61F13/49017 A61F13/49413 A61F13/514 A61F13/5323 A61F13/539 A61F13/5633
US: 604/385.01 604/385.04 604/385.16 604/385.21 604/385.210P 604/385.24 604/385.25 604/385.27 604/385.28 604/385.280P 604/385.29



Family:

Publication number	Publication date	Application number	Application date
AR050676 AA	20061115	AR2005P102674	20050628
AT480212 E	20100915	AT20050768704T	20050629
BRPI0512602 A	20080325	BR2005PI12602	20050629
CA2571117 AA	20061218	CA20052571117	20050629
CA2660858 AA	20060112	CA20052660858	20050629
CA2672559 AA	20060112	CA20052672559	20050629
CN100522121 C	20090805	CN200510067246	20050420
CN101116644 A	20080206	CN200710148815	20050420
CN101116644 B	20101027	CN200710148815	20050420
CN1745729 A	20060315	CN200510067246	20050420
DE602005023457 D1	20101021	DE200560023457T	20050629
EP1761227 A2	20070314	EP20050768704	20050629
EP1761227 B1	20100908	EP20050768704	20050629
IN07153DN2006 A	20070817	IN2006DN07153	20061128
JP2008504106 T2	20080214	JP20070519412T	20050629
PL1761227 T3	20110331	PL20050768704T	20050629
TH78722 A	20060720	TH20051002971	20050628
US2005288645 AA	20051229	US20050172191	20050630
US2007173780 AA	20070726	US20070715976	20070309
US6962578 BA	20051108	US20040880135	20040629
US7377914 BB	20080527	US20050172191	20050630
WO06004872 A2	20060112	WO2005US23179	20050629
WO06004872 A3	20060713	WO2005US23179	20050629
ZA200610422 A	20080730	ZA20060010422	20061212

Priority:

US20040880135 20040629
CA20052571117 20050629
EP20050768704 20050629
CA20092571117 20090430
CN200510067246 20050420
CA20052660858 20050629
US20050172191 20050630
CA20092571117 20090812
WO2005US23179 20050629
CA20052672559 20050629
US20070715976 20070309

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): LAVON GARY D ; LAVON GARY DEAN ; PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; □□□□ □□□□□□□□ □□□□ □□□□□□ □□□□□ ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; LAVON GARY ; LAVON GARY D ; LAVON GARY DEAN

Inventor(s): GARY DEAN LAVON ; □□□□□ □□ □□□□□ ; ゲイリー ディーン ラボン ; 加里 D 拉冯 ; 加里·D·拉冯

Agent(s): DIMOCK STRATTON LLP; FAYETTE THIBAULT; FITZPATRICK MATTHEW P; HAYDEN MICHAEL P; HEIDE UTE; KEN K; MATTHEW P; MICHAEL P; NAGAI HIROSHI; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; THIBAULT; WILSON LUE

LLP; □□□□□□□□□□□ □□□□□□□□; □□□□□□□□□□□ □□□□□□□□ □□□□□□□□□□□ □□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□ □□□□□□□□ □□□□□□□□ □□□;□ □□□□□□□□□□□ □□□□□□□□, □□□□□□□□□□□ □□□□□□□□, □□□□□□□□□□□□□□ □□□□□□□□□□□, □□□□□□□□ □□□□□□□□,; 勝沼 宏仁; 北京市柳沈律师事务所; 北京市柳沈律师事务所 11105; 吉武 賢次; 宮腰 健介; 封新琴; 岡田 淳平; 巫肖南; 永井 浩之; 陈桉

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR050676 AA	20061115	LSPB	+	published / reissued	
AR050676 AA	20120803	LSWD	-FB	SUSPENSION OF GRANTING PROCEDURE	
AT480212 E	20100915	LSGT	+	granted / extensions (spc, cpc, pte)	
AT480212 E	20110315	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT480212 E	20250629	PEXP		Calculated Patent Term Expiry	
BRPI0512602 A	20080325	LSPB	+	published / reissued	
BRPI0512602 A	20160920	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 11A ANUIDADE.
BRPI0512602 A	20170110	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2385 DE 20-09-2016 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
CA2571117 AA	20061218	LSPB	+	published / reissued	
CA2571117 AA	20061218	LSES	+EEER	EXAMINATION REQUEST	
CA2571117 AA	20120105	LSLE	-FZDE	DEAD	
CA2660858 AA	20060112	LSPB	+	published / reissued	
CA2660858 AA	20090402	LSES	+EEER	EXAMINATION REQUEST	
CA2660858 AA	20111230	LSLE	-FZDE	DEAD	
CA2672559 AA	20060112	LSPB	+	published / reissued	
CA2672559 AA	20090727	LSES	+EEER	EXAMINATION REQUEST	
CA2672559 AA	20111230	LSLE	-FZDE	DEAD	
CN100522121 C	20090805	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100522121 C	20090805	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN100522121 C	20090805	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN100522121 C	20190409	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	

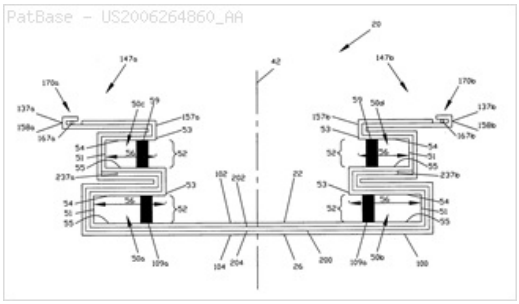
CN100522121 C	20190409	LSLE	-CF01	未缴年费专利权终止	Effective date: 20180420 Text: 专利权的终止 (Termination of Patent Right)
CN100522121 C	20250420	PEXP		Calculated Patent Term Expiry	
CN101116644 A	20080206	LSPB	+	published / reissued	
CN101116644 A	20080206	LSPB	+C06	PUBLICATION	
CN101116644 A	20080206	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN101116644 A	20080402		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101116644 A	20080402		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN101116644 B	20101027	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101116644 B	20101027	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101116644 B	20101027	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN101116644 B	20190409	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN101116644 B	20190409	LSLE	-CF01	未缴年费专利权终止	Effective date: 20180420 Text: 专利权的终止 (Termination of Patent Right)
CN101116644 B	20250420	PEXP		Calculated Patent Term Expiry	
CN1745729 A	20060315	LSPB	+	published / reissued	
CN1745729 A	20060315	LSPB	+C06	PUBLICATION	
CN1745729 A	20060315	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN1745729 A	20060510		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN1745729 A	20060510		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)

16) Family number: 33805136 (US2006264860 AA)

Title: **DISPOSABLE** **ABSORBENT** **ARTICLE** HAVING LAYERED CONTAINMENT POCKETS

Abstract: A **disposable** **absorbent** **article** including a chassis and an **absorbent** assembly. The chassis is folded laterally inward and outward in a zigzag pattern to form laterally opposing layered containment pockets and laterally opposing side flaps interiorly of the layered containment pockets. Each side flap has a longitudinally extending elastic gathering member attached adjacent to its distal edge. The **absorbent** assembly includes an **absorbent** core that may contain superabsorbent particles, which may be contained inside pockets.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/494
International (IPC 1-7): A61F13/04
CPC: A61F13/49426
US: 604/358 604/385.01 604/385.04 604/385.101 604/385.101P 604/385.19 604/385.190P 604/385.190S 604/385.201 604/385.21 604/385.23 604/385.24 604/385.25 604/385.26 604/385.27 604/385.28



Family:

Publication number	Publication date	Application number	Application date
CN101018529 A	20070815	CN200680000817	20060517
IN00636DN2007 A	20070803	IN2007DN00636	20070123
US2006264860 AA	20061123	US20050131799	20050518
US2010274211 AA	20101028	US20100833400	20100709
US7763004 BB	20100727	US20050131799	20050518
WO06124984 A1	20061123	WO2006US19058	20060517

Priority:
US20050131799 20050518 US20100833400 20100709

Probable Assignee: PROCTER AND GAMBLE CO
Assignee(s): (std): BECK THEODORA ; LAVON GARY D ; LAVON GARY DEAN ; PROCTER AND GAMBLE
Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; 宝洁公司
Inventor(s): (std): BECK THEODORA ; BECK THEODORA LAVON GARY D ; LAVON GARY D ; LAVON GARY DEAN
Inventor(s): LAVON GARY ; 加里·D·拉万 ; 西奥多拉·贝克
Agent(s): PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; RICHARD L; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP
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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN101018529 A	20070815	LSPB	+	published / reissued	
CN101018529 A	20070815	LSPB	+C06	PUBLICATION	
CN101018529 A	20071010		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101018529 A	20121003	LSDW	-C20	PATENT RIGHT OR UTILITY MODEL DEEMED TO BE ABANDONED OR IS ABANDONED	
IN00636DN2007 A	20070803	LSPB	+	published / reissued	
US2006264860 AA	20061123	LSPB	+	published / reissued	
US2010274211 AA	20101028	LSPB	+	published / reissued	
US2010274211 AA	20120912	LSWD	ABD3	Abandoned -- Failure to Respond to an Office Action	
US2010274211 AA	20120912		-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	Text: ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
US7763004 BB	20050624	LSAS	AS	ASSIGNMENT	Effective date: 20050518 OldParty: ASSIGNMENT OF ASSIGNORS

					INTEREST;ASSIGNORS:BECK, THEODORA;LAVON, GARY DEAN;REEL/FRAME:016410/0884 Owner: PROCTER & GAMBLE COMPANY, THE, OHIO PartyType: owner
US7763004 BB	20100727	LSGT	+	granted / extensions (spc, cpc, pte)	
US7763004 BB	20140307		REMI	MAINTENANCE FEE REMINDER MAILED	
US7763004 BB	20140727	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7763004 BB	20140825	LSLE	PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7763004 BB	20140825	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	Text: PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7763004 BB	20140916	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	Effective date: 20140727
US7763004 BB	20260829	PEXP		Calculated Patent Term Expiry (PTA 468 days)	
WO06124984 A1	20061123	LSPB	+	published / reissued	
WO06124984 A1	20070117		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	
WO06124984 A1	20070123	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 636/DELNP/2007 Country of Ref document: IN
WO06124984 A1	20070313	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 200680000817.2 Country of Ref document: CN
WO06124984 A1	20071120	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE
WO06124984 A1	20071218	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: RU
WO06124984 A1	20080611	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	Kind code of Ref document: A1 Ref document number: 06770482 Country of Ref document: EP

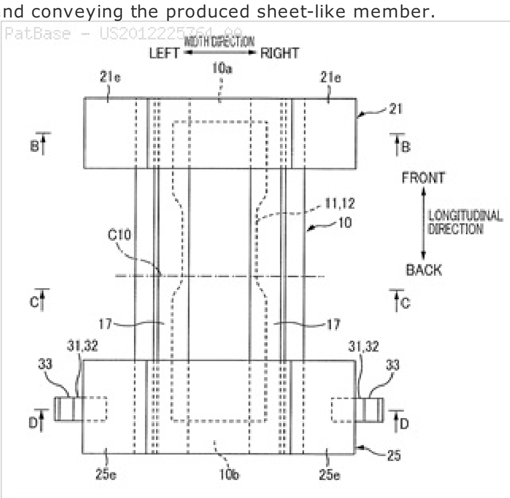
17) **Family number: 48488946** (US2012225764 AA)

© PatBase

Title: MANUFACTURING METHOD AND A MANUFACTURING APPARATUS FOR A SHEET-LIKE MEMBER ASSOCIATED WITH AN **ABSORBENT ARTICLE**

Abstract: There is provided a manufacturing method for a sheet-like member associated with an **absorbent article**, the sheet-like member having a folded-up section which is temporarily-secured in a folded-up state. The method includes: forming the folded-up section by folding up a continuous sheet in a width direction of the continuous sheet, the continuous sheet continuing along a transporting direction, creasing the folded-up section in a folded-up state by pressing continuously the folded-up section along a direction of a fold line of the folded-up section, temporarily-securing the folded-up section in a folded-up state by pressing the folded-up section with a plurality of protrusions that are included in a pressing member, producing the sheet-like member by dividing the continuous sheet with a predetermined pitch in the transporting direction, the continuous sheet having been creased and temporarily-secured, and conveying the produced sheet-like member.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 B31B1/26
International (IPC 1-7): A61F13/15 A61F13/49
CPC: A61F13/15747 A61F13/15756 A61F13/15764 A61F13/15804
US: 493/405 1/1



Family:

Publication number	Publication date	Application number	Application date
DE602010032650 D1	20160602	DE201060032650T	20100910
EP2478880 A1	20120725	EP20100817109	20100910
EP2478880 A4	20140312	EP20100817109	20100910
EP2478880 B1	20160420	EP20100817109	20100910
IN01947CN2012 A	20121102	IN2012CN01947	20120302
JP2011062462 A2	20110331	JP20090217911	20090918
JP5443920 B2	20140319	JP20090217911	20090918
TH116969 A	20121025	TH20121001179	20100910
TH63220 B	20180625	TH20121001179	20100910
US2012225764 AA	20120906	US20100394847	20100910
US9492330 BB	20161115	US20100394847	20100910
WO11033996 A1	20110324	WO2010JP65582	20100910

Priority:
JP20090217911 20090918 EP20100817109 20100910 WO2010JP65582 20100910

Probable Assignee: UNI CHARM CORP

Assignee(s): (std): OGASAWARA YOSHIKAZU ; UNI CHARM CORP

Assignee(s): UNI CHARM CO LTD ; UNI CHARM CORPORATION ; UNI CHARM SHIKOKUCHUO SHI CORP ; □□□□□□ □□□□□□□□□□ ; ユニ チャーム株式会社 ; ユニ·チャーム株式会社 ; 小笠原 吉一

Inventor(s): (std): OGASAWARA YOSHIICHI ; OGASAWARA YOSHIKAZU

Inventor(s): □□□□□□□□□□ □□□□□□□□□□ ; 小笠原 吉一

Agent(s): DOLLEYMORES; EKE PHILIPPA DIANNE; HAUPTMAN HAM LLP; ISSHIKI AND CO; PATENTANWAELTE STREHL SCHUEBEL HOPF AND PARTNER; □□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□□□ □□□□□□ □□□□□□□ □□□□□□□□□; □□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□□ □□□□□□; □□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□□ □□□□□□, □□□□□□□ □□□□□□□□□; 一色国際特許業務法人

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE602010032650 D1	20200401	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
EP2478880 A1	20120725	LSPB	+	published / reissued	

EP2478880 A1	20120725	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20120229
EP2478880 A1	20120725		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR
EP2478880 A1	20121226		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2478880 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20160901 Country of Ref document: NL
EP2478880 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20160905 Country of Ref document: GB
EP2478880 A1	20161130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20160929 Country of Ref document: FR
EP2478880 A1	20170228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20160928 Country of Ref document: IT
EP2478880 A4	20140312	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20140211
EP2478880 A4	20140312		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101AFI20140205BHEP
EP2478880 A4	20140312		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/49 20060101ALI20140205BHEP
EP2478880 A4	20150722	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20150618
EP2478880 A4	20160127	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20160108
EP2478880 B1	20160420	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2478880 B1	20160420		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR
EP2478880 B1	20160420	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP2478880 B1	20160429	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP2478880 B1	20160515	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: AT Ref legal event code: REF Kind code of Ref document: T Effective date: 20160515 Ref document number: 791560 Country of Ref document: AT
EP2478880 B1	20160518	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: IE
EP2478880 B1	20160602	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref legal event code: R096 Ref document number: 602010032650 Country of Ref document: DE
EP2478880 B1	20160720		REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FP Ref country code: NL
EP2478880 B1	20160802		REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: TRGR
EP2478880 B1	20160825	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: LT Ref legal event code: MG4D
EP2478880 B1	20160915	LSRV	REG	REFERENCE TO A	Ref country code: AT

				NATIONAL CODE	Ref document number: 791560 Kind code of Ref document: T Ref legal event code: MK05 Effective date: 20160420 Country of Ref document: AT
EP2478880 B1	20160929	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: PLFP Year of fee payment: 7 Country of Ref document: FR
EP2478880 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160720 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NO
EP2478880 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160420 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP2478880 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160420 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LT
EP2478880 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160420 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL
EP2478880 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160420 Country of Ref document: LV
EP2478880 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160420 Country of Ref document: HR
EP2478880 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160420 Country of Ref document: ES
EP2478880 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160420 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP2478880 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160822 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP2478880 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160721 Country of Ref document: GR
EP2478880 B1	20161130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20160927 Year of fee payment: 7 Country of Ref document: SE

EP2478880 B1	20161230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160420 Country of Ref document: BE
EP2478880 B1	20170123	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R097 Ref document number: 602010032650 Ref country code: DE Country of Ref document: DE
EP2478880 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160420 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP2478880 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160420 Country of Ref document: EE
EP2478880 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160420 Country of Ref document: SK
EP2478880 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160420 Country of Ref document: CZ
EP2478880 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160420 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP2478880 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20161128 Country of Ref document: DE
EP2478880 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160420 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SM
EP2478880 B1	20170329	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20170123
EP2478880 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160420 Country of Ref document: MC
EP2478880 B1	20170428	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP2478880 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160420 Country of Ref document: SI
EP2478880 B1	20170628	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP2478880 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	Lapsed date: 20160930 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH

				INFORMATION FROM NATIONAL OFFICE TO EPO]	
EP2478880 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20160910 Country of Ref document: IE
EP2478880 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20160930 Country of Ref document: LI
EP2478880 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160910 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LU
EP2478880 B1	20170929	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 8 Payment date: 20170831 Country of Ref document: NL
EP2478880 B1	20170929	LSFE	REG	REFERENCE TO A NATIONAL CODE	Year of fee payment: 8 Ref legal event code: PLFP Ref country code: FR
EP2478880 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170825 Year of fee payment: 8 Country of Ref document: GB
EP2478880 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170929 Year of fee payment: 8 Country of Ref document: IT
EP2478880 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170929 Year of fee payment: 8 Country of Ref document: FR
EP2478880 B1	20171130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170926 Year of fee payment: 8 Country of Ref document: SE
EP2478880 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171113 Year of fee payment: 8 Country of Ref document: DE
EP2478880 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Lapsed date: 20100910 Country of Ref document: HU
EP2478880 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160420 Country of Ref document: CY
EP2478880 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160420 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP2478880 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160420 Country of Ref document: IS
EP2478880 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20160930 Country of Ref document: MT
EP2478880 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160420 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MK
EP2478880 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160420 Country of Ref document: BG
EP2478880 B1	20180813	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Year of fee payment: 9 Ref legal event code: PLFP
EP2478880 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160420 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AL
EP2478880 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180919 Year of fee payment: 9 Country of Ref document: IT
EP2478880 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180815 Year of fee payment: 9 Country of Ref document: NL
EP2478880 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180813 Year of fee payment: 9 Country of Ref document: FR
EP2478880 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180828 Year of fee payment: 9 Country of Ref document: DE
EP2478880 B1	20181130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180910 Year of fee payment: 9 Country of Ref document: SE
EP2478880 B1	20181130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180905 Year of fee payment: 9 Country of Ref document: GB
EP2478880 B1	20200401	LSDW	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref legal event code: R119 Ref document number: 602010032650 Country of Ref document: DE
EP2478880 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: SE
EP2478880 B1	20200505	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: EUG
EP2478880 B1	20200506		REG	REFERENCE TO A NATIONAL CODE	Ref country code: NL Ref legal event code: MM Effective date: 20191001

EP2478880 B1	20200731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20191001 Country of Ref document: NL
EP2478880 B1	20200731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20200401 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: DE
EP2478880 B1	20300910	PEXP		Calculated Patent Term Expiry	
IN01947CN2012 A	20121102	LSPB	+	published / reissued	
JP2011062462 A2	20110331	LSPB	+	published / reissued	
JP2011062462 A2	20120818	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A621 Effective date: 20120817
JP2011062462 A2	20130626	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20130625 Text: JAPANESE INTERMEDIATE CODE: A131
JP2011062462 A2	20130803	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20130802
JP2011062462 A2	20131122	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2011062462 A2	20131127	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20131126 Text: JAPANESE INTERMEDIATE CODE: A01
JP2011062462 A2	20131226	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Text: JAPANESE INTERMEDIATE CODE: A61 Effective date: 20131220
JP5443920 B2	20131128	LSGT	+A01	特許査定書	
JP5443920 B2	20131224	LSFE	R100	特許料納付書	
JP5443920 B2	20131227	LSGT	+R150	特許証	
JP5443920 B2	20140319	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5443920 B2	20161117	LSFE	R20	特許料納付書	
JP5443920 B2	20161122	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5443920 B2	20161122	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5443920 B2	20171116	LSFE	R20	特許料納付書	
JP5443920 B2	20171121	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5443920 B2	20171121	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5443920 B2	20181115	LSFE	R20	特許料納付書	
JP5443920 B2	20181120	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5443920 B2	20181120	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5443920 B2	20191114	LSFE	R20	特許料納付書	Effective date: 20191111
JP5443920 B2	20191119	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5443920 B2	20191119	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20191129
JP5443920 B2	20290918	PEXP		Calculated Patent Term Expiry	
TH116969 A	20121025	LSPB	+	published / reissued	
TH63220 B	20180625	LSGT	+	granted / extensions (spc, cpc, pte)	

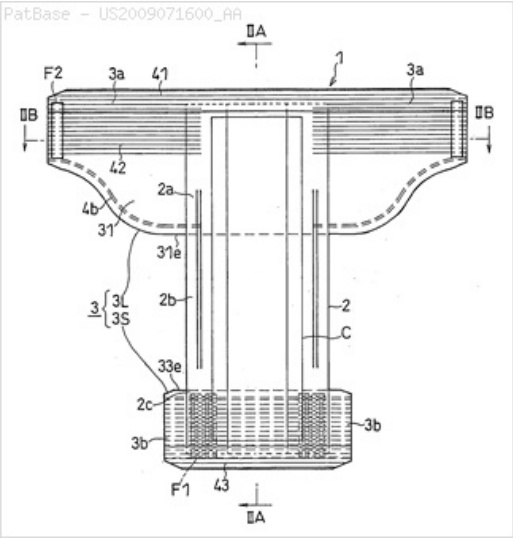
TH63220 B	20300910	PEXP		Calculated Patent Term Expiry	
US2012225764 AA	20120906	LSPB	+	published / reissued	
US2012225764 AA	20161026	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE

18) Family number: 40993433 (US2009071600 AA)

Title: METHOD FOR PRODUCING **DISPOSABLE** WORN **ARTICLE**

Abstract: A method for producing a T-shaped worn **article**, which produces less wasted material. A web W is slit along a predetermined first cut-off line CL, thereby separating the web W into a first **separate sheet** W1 and a second **separate sheet** W2. The first **separate sheet** W1 and the second **separate sheet** W2 are spaced apart from each other so that the first **separate sheet** W1 and the second **separate sheet** W2 are apart from each other. A core portion 2 is placed so as to bridge between the first **separate sheet** W1 and the second **separate sheet** W2, thereby producing a composite material 10. The material is cut off along a second cut-off line Ch extending across the **separate sheets** W1 and W2 so that a portion thereof to be a back portion 3L is longer than a portion thereof to be a front portion 3S in the carrying direction X of the **separate sheets** W1 and W2.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F5/44 B32B38/04
CPC: A61F13/15723 A61F13/15756 A61F13/15804 A61F13/49 A61F13/496 A61F2013/49063 Y10T156/1067
US: 156/259 604/385.01 604/385.010S 604/392 604/392S



Family:

Publication number	Publication date	Application number	Application date
CN101466337 A	20090624	CN200780021791	20070607
CN101466337 B	20121128	CN200780021791	20070607
DE112007001406 T5	20090423	DE200711001406T	20070607
JP2007145130 A1	20091029	JP20080521176T	20070607
JP5250894 B1	20130731	JP20080521176T	20070607
JP5250894 B2	20130731	JP20080521176T	20070607
US2009071600 AA	20090319	US20070298783	20070607
WO07145130 A1	20071221	WO2007JP61544	20070607

Priority:

JP20060163318 20060613 JP20060196443 20060719 WO2007JP61544 20070607 JP20080521176 20070607

Probable Assignee: ZUIKO CORP

Assignee(s): (std): WADA TAKAO ; ZUIKO CORP

Assignee(s): 株式会社瑞光

Inventor(s): (std): TAKAO WADA ; WADA TAKAO

Inventor(s): 和田 隆男

Agent(s): MARK D SARALINO GENERAL RENNER OTTO BOISSELLE AND SKLAR LLP; 北京尚诚知识产权代理有限公司; 北京尚诚知识产权代理有限公司 11322; 山村 喜信; 龙 淳; 龙淳

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN101466337 A	20090624	LSPB	+	published / reissued	
CN101466337 A	20090624	LSPB	+C06	PUBLICATION	
CN101466337 A	20090819		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101466337 B	20121128	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101466337 B	20121128	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101466337 B	20270607	PEXP		Calculated Patent	

				Term Expiry	
DE112007001406 T5	20090423	LSPB	+	published / reissued	
DE112007001406 T5	20140522	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	Effective date: 20140404
JP2007145130 A1	20091029	LSPB	+	published / reissued	
JP2007145130 A1	20100424	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A621 Effective date: 20100423
JP2007145130 A1	20120508	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20120508 Text: JAPANESE INTERMEDIATE CODE: A131
JP2007145130 A1	20120627	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20120626
JP2007145130 A1	20121113	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20121113
JP2007145130 A1	20121226	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20121225
JP2007145130 A1	20130312	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2007145130 A1	20130319	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20130319 Text: JAPANESE INTERMEDIATE CODE: A01
JP2007145130 A1	20130404	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Text: JAPANESE INTERMEDIATE CODE: A61 Effective date: 20130327
JP2007145130 A1	20130502	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP5250894 B1	20130321	LSGT	+A01	特許査定書	
JP5250894 B1	20130402	LSFE	R100	特許料納付書	
JP5250894 B1	20130426	LSGT	+R150	特許証	
JP5250894 B1	20130731	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5250894 B1	20160421	LSFE	R20	特許料納付書	
JP5250894 B1	20160426	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP5250894 B1	20170420	LSFE	R20	特許料納付書	
JP5250894 B1	20170425	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP5250894 B1	20180419	LSFE	R20	特許料納付書	
JP5250894 B1	20180424	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP5250894 B1	20190418	LSFE	R20	特許料納付書	
JP5250894 B1	20190423	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP5250894 B1	20200416	LSFE	R20	特許料納付書	Effective date: 20200415
JP5250894 B1	20270607	PEXP		Calculated Patent Term Expiry	
JP5250894 B2	20130321	LSGT	+A01	特許査定書	Effective date: 20130319
JP5250894 B2	20130402	LSFE	R100	特許料納付書	Effective date: 20130327 Text: 51300633828
JP5250894 B2	20130426	LSGT	+R150	特許証	Effective date: 20130508
JP5250894 B2	20130731	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5250894 B2	20160421	LSFE	R20	特許料納付書	Effective date: 20160419 Text: 51600828343
JP5250894 B2	20160426	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5250894 B2	20160426	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20160506

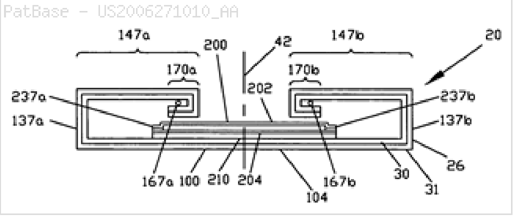
JP5250894 B2	20170420	LSFE	R20	特許料納付書	Text: 51700853910 Effective date: 20170419
JP5250894 B2	20170425	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5250894 B2	20170425	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20170502
JP5250894 B2	20180419	LSFE	R20	特許料納付書	Effective date: 20180417 Text: 51800801713
JP5250894 B2	20180424	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5250894 B2	20180424	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20180508
JP5250894 B2	20190418	LSFE	R20	特許料納付書	Text: 51900825975 Effective date: 20190416
JP5250894 B2	20190423	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5250894 B2	20190423	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20190503
JP5250894 B2	20200416	LSFE	R20	特許料納付書	Text: 52000809034 Effective date: 20200415
JP5250894 B2	20200417	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5250894 B2	20200417	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20200501
JP5250894 B2	20270607	PEXP		Calculated Patent Term Expiry	
US2009071600 AA	20081028	LSAS	AS	ASSIGNMENT	OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:WADA, TAKAO;REEL/FRAME:021748/0531 Owner: ZUIKO CORPORATION, JAPAN Effective date: 20081014 PartyType: owner
US2009071600 AA	20090319	LSPB	+	published / reissued	
US2009071600 AA	20120829	LSWD	ABD3	Abandoned -- Failure to Respond to an Office Action	
US2009071600 AA	20120829		-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	Text: ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
WO07145130 A1	20070607	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 200780021791.4 Country of Ref document: CN
WO07145130 A1	20071221	LSPB	+	published / reissued	
WO07145130 A1	20080402		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Kind code of Ref document: A1 Ref document number: 07744873 Country of Ref document: EP
WO07145130 A1	20081014	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2008521176 Country of Ref document: JP
WO07145130 A1	20081028	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 12298783 Country of Ref document: US
WO07145130 A1	20081216	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 1120070014067 Country of Ref document: DE
WO07145130 A1	20090423		+RET	DE TRANSLATION (DE OG PART 6B)	Ref document number: 112007001406 Date of Ref document: 20090423 Kind code of Ref document: P Country of Ref document: DE
WO07145130 A1	20090708	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	Kind code of Ref document: A1 Ref document number: 07744873 Country of Ref document: EP

19) Family number: 33897331 (US2006271010 AA) © PatBase

Title: LOINCLOTH **DIAPER**

Abstract: A **disposable** **absorbent** **article** includes a chassis and an **absorbent** assembly and is adapted to be configured as a loincloth **diaper** for use in combination with a support element that is worn around the waist of the wearer. The chassis has fastening elements for use in forming laterally extending tunnels adjacent to the waist edges through which the support element extends. The chassis includes a water-impermeable backsheet that may be folded laterally inward at both of its side edges to form opposing side flaps. Each side flap is attached to the interior surface of the chassis adjacent to its end edges. Each side flap has a longitudinally extending elastic gathering member attached adjacent to its proximal edge. The chassis may include an extensible formed web material. The **absorbent** assembly may be attached in a cruciform pattern to the chassis to allow unattached portions of the chassis to extend laterally.

Classifications:
International (IPC 8-9): A61F A61F13/00 A61F13/15 A61F13/49 A61F13/56 A61F13/64
International (IPC 1-7): A61F13/00 A61F13/64
CPC: A61F13/64
US: 604/385.101 604/385.26



Family:

Publication number	Publication date	Application number	Application date
AR057317 AA	20071128	AR2006P102126	20060523
BRPI0611660 A2	20100928	BR2006PI11660	20060428
CL2006001225 A1	20060825	CL20060001225	20060523
CN100591312 C	20100224	CN200680000815	20060428
CN101018532 A	20070815	CN200680000815	20060428
EP1883383 A1	20080206	EP20060751970	20060428
IN00639DN2007 A	20070803	IN2007DN00639	20070123
MX2007014745 A1	20080219	MX20070014745	20060428
RU2007144539 A	20090627	RU20070144539	20060428
RU2404733 C2	20101127	RU20070144539	20060428
TH82835 A	20070201	TH20061002072	20060509
US2006271010 AA	20061130	US20050135689	20050524
WO06127213 A1	20061130	WO2006US16558	20060428
ZA200709875 A	20081126	ZA20070009875	20071115

Priority:
US20050135689 20050524 WO2006US16558 20060428

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): LAVON GARY D ; LAVON GARY DEAN ; PROCTER AND GAMBLE

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ (US) ; □□□□ □□□□□□□□ □□□□ □□□□□□ □□□□□□ ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; LAVON GARY D ; LAVON GARY DEAN ; LAVON GEHRI DIN

Inventor(s): GARY DEAN LAVON ; LAVON GARY ; ЛАВОН ГЭРИ ДИН ; ЛАВОН Гэри Дин (US) ; □□□□□□ □□ □□□□□ ; 加里·D·拉万

Agent(s): KREMER VERONIQUE MARIE JOSEPHINE; LLOVET; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; □□□□□□□□□ □□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□□□ □□□□□□□□□ □□□□□□□□□ □□□□□□□□□□□□□□□□□; □□□□□□□□□□ □□□□□□□□, □□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□ □□□□□□□□; 北京市柳沈律师事务所; 曲 莹; 马高平

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR057317 AA	20071128	LSPB	+	published / reissued	
AR057317 AA	20141203	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
BRPI0611660 A2	20120605	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 6A ANUIDADE.
BRPI0611660 A2	20121023	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2161 DE 05/06/2012.
CL2006001225 A1	20060825	LSPB	+	published / reissued	
CN100591312 C	20100224	LSGT	+	granted / extensions (spc, cpc, pte)	

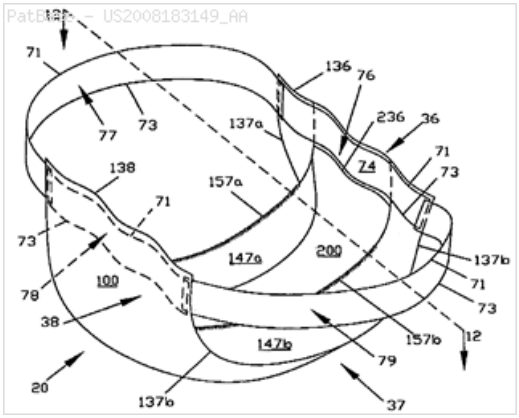
CN100591312 C	20100224	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN100591312 C	20130619	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN100591312 C	20260428	PEXP		Calculated Patent Term Expiry	
CN101018532 A	20070815	LSPB	+	published / reissued	
CN101018532 A	20070815	LSPB	+C06	PUBLICATION	
CN101018532 A	20071010		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
EP1883383 A1	20080206	LSPB	+	published / reissued	
EP1883383 A1	20080206	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20071108
EP1883383 A1	20080206		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1883383 A1	20080827		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP1883383 A1	20081008	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20080909
EP1883383 A1	20120509	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20111101
IN00639DN2007 A	20070803	LSPB	+	published / reissued	
MX2007014745 A1	20080219	LSPB	+	published / reissued	
RU2007144539 A	20090627	LSPB	+	published / reissued	
RU2404733 C2	20101127	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2404733 C2	20120320	LSLE	-MM4A	THE PATENT IS INVALID DUE TO NON-PAYMENT OF FEES	Effective date: 20110429
RU2404733 C2	20260428	PEXP		Calculated Patent Term Expiry	

20) Family number: 42069149 (US2008183149 AA)

Title: **DIAPER** HAVING HIP STRETCH PANELS

Abstract: A **disposable** **absorbent** **article** including a chassis and an **absorbent** assembly in combination with a support element that extends circumferentially around the waist of the wearer. The support element includes hip stretch panels. The chassis includes a water-impermeable backsheet that may be folded laterally inward at both of its side edges to form opposing side flaps. Each side flap is attached to the interior surface of the chassis adjacent to its end edges. Each side flap has a longitudinally extending elastic gathering member attached adjacent to its proximal edge. The chassis may include an extensible formed web material. The **absorbent** assembly may be attached in a cruciform pattern to the chassis to allow unattached portions of the chassis to extend laterally. Frangible tear lines and/or tear locator lines may be formed to facilitate removal of the **article** from the wearer.

Classifications:
International (IPC 8-9): A61F A61F13/15
International (IPC 1-7): A61F13/15
CPC: A61F13/64 A61F2013/49087
US: 604/385.24 604/385.240P 604/386 604/394 604/402



Family:

Publication number	Publication date	Application number	Application date
AR066182 AA	20090805	AR2008P100389	20080131
BRPI0806571 A2	20140506	BR2008PI06571	20080125
CL2008000293 A1	20080808	CL20080000293	20080131
CN101600407 A	20091209	CN200880003596	20080125
CN101600407 B	20131106	CN200880003596	20080125
EG25859 A	20120911	EG20090071152	20090729
EP2124861 A2	20091202	EP20080702533	20080125
IN04402DN2009 A	20100423	IN2009DN04402	20090703
IN283342 B	20170519	IN2009DN04402	20090703
MX2009007840 A1	20090818	MX20090007840	20080125
RU2414200 C1	20110320	RU20090123412	20080125
US2008183149 AA	20080731	US20070700585	20070131
US8257335 BB	20120904	US20070700585	20070131
WO08093271 A2	20080807	WO2008IB50285	20080125
WO08093271 A3	20081016	WO2008IB50285	20080125
ZA200904799 A	20100428	ZA20090004799	20090708

Priority:
US20070700585 20070131 WO2008IB50285 20080125

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): LAVON GARY DEAN ; PROCTER AND GAMBLE ; SMITH KEVIN MICHAEL

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; LAVON GARY DEAN ; LAVON GARY DEAN Y SMITH KEVIN ; LEHJVON GARI DIN ; MICHAEL SMITH KEVIN ; SMIS KEVIN MISHEL ; SMITH KEVIN MICHAEL

Inventor(s): GARY DEAN ; GARY DEAN LAVON ; KEVIN MICHAEL ; KEVIN MICHAEL SMITH ; LAVON ; LAVON GARY ; LAVON GARY DEAN Y SMITH KEVIN MICHAEL ; SMIS KEVIN MISHEL' ; SMITH ; ЛЭЙВОН ГАРИ ДИН ; ЛЭЙВОН Гари Дин (US) ; СМИС КЕВИН МИШЕЛЬ ; СМИС Кевин Мишель (US) ; 凯文 M 史密斯 ; 加里 D 拉冯

Agent(s): KREMER VERONIQUE MARIE JOSEPHINE; LLOVET; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; RICHARD L; THE PROCTER AND GAMBLE COMPANY; 北京市柳沈律师事务所; 北京市柳沈律师事务所 11105; 封新琴

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR066182 AA	20090805	LSPB	+	published / reissued	
AR066182 AA	20141203	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
BRPI0806571 A2	20151208	LSFE	-B08F	APPLICATION	Text: REFERENTE A 8A ANUIDADE.

				FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	
BRPI0806571 A2	20160405	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2344 DE 08-12-2015 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
CL2008000293 A1	20080808	LSPB	+	published / reissued	
CN101600407 A	20091209	LSPB	+	published / reissued	
CN101600407 A	20091209	LSPB	+C06	PUBLICATION	
CN101600407 A	20091209	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN101600407 A	20100203		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101600407 A	20100203		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN101600407 B	20131106	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101600407 B	20131106	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101600407 B	20131106	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN101600407 B	20200117	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN101600407 B	20200117	LSLE	-CF01	未缴年费专利权终止	Text: 专利权的终止 (Termination of Patent Right) Effective date: 20190125
CN101600407 B	20280125	PEXP		Calculated Patent Term Expiry	
EG25859 A	20120911	LSGT	+	granted / extensions (spc, cpc, pte)	
EG25859 A	20290729	PEXP		Calculated Patent Term Expiry	
EP2124861 A2	20091202	LSPB	+	published / reissued	
EP2124861 A2	20091202	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20090709
EP2124861 A2	20091202		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
EP2124861 A2	20100113	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20091215
EP2124861 A2	20100505		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2124861 A2	20200101	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20180801
IN04402DN2009 A	20100423	LSPB	+	published / reissued	
IN283342 B	20170519	LSGT	+	granted / extensions (spc, cpc, pte)	
IN283342 B	20290703	PEXP		Calculated Patent Term Expiry	
MX2009007840 A1	20090818	LSPB	+	published / reissued	

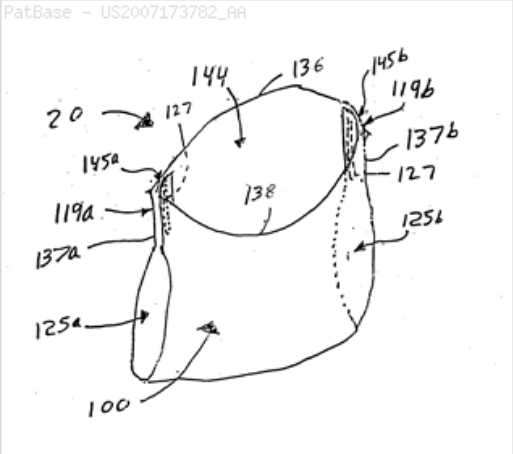
MX2009007840 A1	20130108	LSGT	+FG	GRANT OR REGISTRATION

21) Family number: 34331475 (US2007173782 AA)

Title: SIMPLE **DISPOSABLE** PANT-LIKE GARMENT HAVING BREATHABLE SIDE BARRIERS

Abstract: A simple **disposable** pant-like garment includes an **absorbent** assembly attached to a chassis. The **absorbent** assembly includes an **absorbent** core that may contain superabsorbent particles, which may be contained inside pockets. The **absorbent** assembly is folded laterally inward at both of its side edges to form laterally opposing side flaps. Each side flap is attached to an interior surface of the **absorbent** assembly adjacent to its end edges. A longitudinally extending elastic gathering member is attached to each side flap adjacent to its proximal edge. When the **article** is worn, the elastic gathering members contract and raise the side flaps to form breathable side barriers. The chassis includes a water-impermeable sheet and may be extensible. The **absorbent** assembly may be attached in a cruciform pattern such that portions of the chassis that lie outside the attachment pattern are not restrained by attachment to the **absorbent** assembly and therefore remain extensible.

Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/49 A61F13/496 A61F13/51 A61F13/514 A61F13/56 A61F13/84
International (IPC 1-7): A61F13/15
CPC: A61F13/49413 A61F13/496 A61F13/5323
US: 604/385.01 604/385.03 604/385.04 604/385.101 604/385.22 604/385.220S 604/385.24 604/385.25 604/396 604/396P



Family:

Publication number	Publication date	Application number	Application date
AR057809 AA	20071219	AR2006P103979	20060912
BRPI0615917 A2	20110531	BR2006PI15917	20060912
CL2006002406 A1	20070518	CL20060002406	20060912
CN101031267 A	20070905	CN200680000864	20060912
CN101031267 B	20121128	CN200680000864	20060912
EP1924232 A2	20080528	EP20060809287	20060912
IN02321DN2007 A	20070803	IN2007DN02321	20070326
MX2008003436 A1	20080327	MX20080003436	20060912
RU2008107673 A	20091020	RU20080107673	20060912
RU2408344 C2	20110110	RU20080107673	20060912
TH86082 A	20070820	TH20061004373	20060911
US2007173782 AA	20070726	US20050224462	20050912
US8684990 BB	20140401	US20050224462	20050912
WO07031942 A2	20070322	WO2006IB53239	20060912
WO07031942 A3	20070607	WO2006IB53239	20060912
ZA200801955 A	20090826	ZA20080001955	20080229

Priority:

US20050224462 20050912 WO2006IB53239 20060912

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): LAVON GARY D ; LAVON GARY DEAN ; NIGAM PANKAJ ; PROCTER AND GAMBLE

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ (US) ; □□□□ □□□□□□□□ □□□□ □□□□□□ □□□□□□ ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; LAVON GARY D ; LAVON GARY DEAN ; LAVON GEHRI DIN ; NIGAM PANKADZH ; NIGAM PANKAJ ; PANKAJ LAVON GARY D NIGAM ; PANKAJ NIGAM

Inventor(s): GARY DEAN LAVON ; LAVON GARY ; LAVON GARY DEAN NIGAM PANKAJ ; ЛАВОН ГЭРИ ДИН ; ЛАВОН Гэри Дин (US) ; НИГАМ ПАНКАДЖ ; НИГАМ Панкадж (US) ; □□□□□ □□□□ ; □□□ □□ □□□□□ ; 加里 D 拉万 ; 加里·D·拉万 ; 潘凯杰 奈加姆 ; 潘凯杰·奈加姆

Agent(s): KREMER VERONIQUE MARIE JOSEPHINE; LLOVET; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; RICHARD L; □□□□□□□□□□ □□□□□□□□; □□□□□□□□□□ □□□□□□□□ □□□□□□□□□ □□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□ □□□□□□□□□; 北京市柳沈律师事务所 11105; 曲莹; 马高平

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 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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR057809 AA	20071219	LSPB	+	published / reissued	

AR057809 AA	20141203	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
BRPI0615917 A2	20160920	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 10A ANUIDADE.
BRPI0615917 A2	20170117	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2385 DE 20-09-2016 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
CL2006002406 A1	20070518	LSPB	+	published / reissued	
CN101031267 A	20070905	LSPB	+	published / reissued	
CN101031267 A	20070905	LSPB	+C06	PUBLICATION	
CN101031267 A	20070905	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN101031267 A	20071031		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101031267 A	20071031		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN101031267 B	20121128	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101031267 B	20121128	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101031267 B	20121128	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN101031267 B	20190903	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN101031267 B	20190903	LSLE	-CF01	未缴年费专利权终止	Effective date: 20180912 Text: 专利权的终止 (Termination of Patent Right)
CN101031267 B	20260912	PEXP		Calculated Patent Term Expiry	
EP1924232 A2	20080528	LSPB	+	published / reissued	
EP1924232 A2	20080528	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20080220
EP1924232 A2	20080528		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1924232 A2	20090225	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20090123
EP1924232 A2	20120801		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP1924232 A2	20130529	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20130430
EP1924232 A2	20130925	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20130403
IN02321DN2007 A	20070803	LSPB	+	published / reissued	
MX2008003436 A1	20080327	LSPB	+	published / reissued	
RU2008107673 A	20091020	LSPB	+	published / reissued	

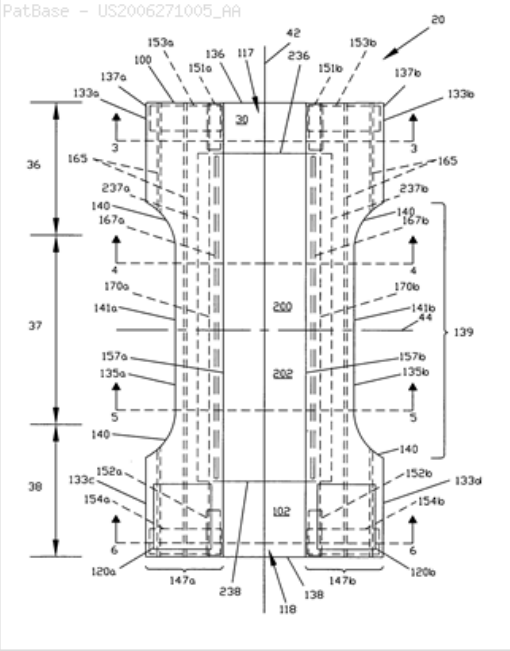
RU2408344 C2	20110110	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2408344 C2	20120710	LSLE	-MM4A	THE PATENT IS INVALID DUE TO NON-PAYMENT OF FEES	Effective date: 20110913
RU2408344 C2	20260912	PEXP		Calculated Patent Term Expiry	

22) Family number: 33897318 (US2006271005 AA)

Title: SIDE NOTCHED FOLDED **DIAPER**

Abstract: A **disposable** **absorbent** **article** includes a chassis and an **absorbent** assembly. The chassis includes a water-impermeable backsheet that is folded laterally inward at both of its side edges to form laterally opposing side flaps. Each side flap is attached to the interior surface of the chassis adjacent to its end edges. Each side flap has a longitudinally extending elastic gathering member attached adjacent to its proximal edge. Each side flap is also attached to the interior surface of the chassis at continuous longitudinally extending laterally opposing water-impermeable side seals. The chassis is side notched to give it an hourglass shape. The chassis may include an extensible formed web material. The **absorbent** assembly includes an **absorbent** core that may contain superabsorbent particles, which may be contained inside pockets. The **absorbent** assembly may be attached in a cruciform pattern to the chassis to allow portions of the chassis to extend laterally.

Classifications:
International (IPC 8-9): A61F A61F13/00 A61F13/15 A61F13/20 A61F13/49 A61F13/496 A61F13/539
International (IPC 1-7): A61F13/00 A61F13/15
CPC: A61F13/514
US: 604/378 604/385.01 604/385.04 604/385.21 604/385.210P 604/385.26 604/385.260S



Family:

Publication number	Publication date	Application number	Application date
AR053740 AA	20070516	AR2006P102249	20060531
BRPI0611394 A2	20100908	BR2006PI11394	20060428
CA2607092 AA	20071030	CA20062607092	20060428
CL2006001295 A1	20060915	CL20060001295	20060530
CN101018524 A	20070815	CN200680000814	20060428
CN102423277 A	20120425	CN201110249805	20060428
EP1885312 A1	20080213	EP20060751969	20060428
IN00641DN2007 A	20070803	IN2007DN00641	20070123
IN255379 B	20130222	IN2007DN00641	20070123
JP2008541934 T2	20081127	JP20080514651T	20060428
MX2007014915 A1	20080214	MX20070014915	20060428
RU2007146759 A	20090720	RU20070146759	20060428
RU2384316 C2	20100320	RU20070146759	20060428
TH82683 A	20070125	TH20061002073	20060509
US2006271005 AA	20061130	US20050140888	20050531
US8187239 BB	20120529	US20050140888	20050531
WO06130289 A1	20061207	WO2006US16557	20060428
ZA200709387 A	20081126	ZA20070009387	20071031

Priority:
US20050140888 20050531 WO2006US16557 20060428

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): HAYDEN MICHAEL P ; HAYDEN MICHAEL PATRICK ; LAVON GARY D ; LAVON GARY DEAN ; PROCTER AND GAMBLE ; SMITH KEVIN M ; SMITH KEVIN MICHAEL ; THE PROCTER AND GAMBLE COMPANY

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ (US) ; □□□□ □□□□□□□□□ □□□□ □□□□□□□ □□□□□□ ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; HAYDEN MICHAEL P ; HAYDEN MICHAEL PATRICK ; KHEJDEN MICHEL PATRIK ; LAVON GARY D ; LAVON GARY DEAN ; LAVON GERI DIN ; MICHAEL SMITH KEVIN ; PATRIC HAYDEN MICHAEL ; PATRICK LAVON GARY DEAN SMITH ; SMIT KEVIN MICHEL ; SMITH KEVIN M ; SMITH KEVIN MICHAEL

Inventor(s): GARY DEAN LAVON ; HAYDEN MICHAEL ; HAYDEN MICHAEL PATRIC ; KEVIN MICHAEL SMITH ; LAVON GARY ; LAVON GARY DEAN SMITH KEVIN MICHAEL HAYDEN MICHAEL PATRICK ; MICHAEL PATRICK HAYDEN ; SMITH DEVIN MICHAEL ; SMITH KEVIN ; ЛАВОН ГЕРИ ДИН ; ЛАВОН Гери Дин (US) ; СМИТ КЕВИН МИЧЕЛ ; СМИТ Кевин Мичел (US) ; ХЕЙДЕН МИЧЕЛ ПАТРИК ; ХЕЙДЕН Мичел Патрик (US) ; □□□□□□□□ □□□□□□ □□□□ ; □□□□□□□ □□ □□□□□□ ; □□□□□□□□□ □□□□□□ □□□□□□□ ; ケビン マイケル スミス ; ゲーリー ディーン ラボン ; マイケル パトリック ヘイデン ; 凯文.M.史密斯 ; 凯文·M·史密斯 ; 加里.D.拉文 ; 加里·D·拉文 ; 迈克尔.P.海登 ; 迈克尔·P·海登

Agent(s): DIMOCK STRATTON LLP; KREMER VERONIQUE MARIE JOSEPHINE; LLOVET; NAGAI HIROSHI; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; RICHARD L; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; WILSON LUE LEP; □□□□□□□□□□ □□□□□□□□ □□□□□□□□□□ □□□□□□□□□ □□□□□□□□□□ □□□□□□□□□

□□□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□ □□□□□□□□, □□□□□□□□□□□ □□□□□□□□□,
□□□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□□ □□□□□□□□; 勝沼 宏仁; 北京市柳沈律师事务所 11105;
卢亚静; 吉武 賢次; 堀田 幸裕; 岡田 淳平; 永井 浩之

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR053740 AA	20070516	LSPB	+	published / reissued	
AR053740 AA	20131104	LSWD	-FB	SUSPENSION OF GRANTING PROCEDURE	
BRPI0611394 A2	20160920	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 10A ANUIDADE.
BRPI0611394 A2	20170110	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2385 DE 20-09-2016 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
CA2607092 AA	20071030	LSPB	+	published / reissued	
CA2607092 AA	20071030	LSES	+EEER	EXAMINATION REQUEST	
CA2607092 AA	20111026	LSLE	-FZDE	DEAD	
CL2006001295 A1	20060915	LSPB	+	published / reissued	
CN101018524 A	20070815	LSPB	+	published / reissued	
CN101018524 A	20070815	LSPB	+C06	PUBLICATION	
CN101018524 A	20071010		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101018524 A	20120404	LSRV	-C12	REJECTION OF A PATENT APPLICATION AFTER ITS PUBLICATION	
CN102423277 A	20120425	LSPB	+	published / reissued	
CN102423277 A	20120425	LSPB	+C06	PUBLICATION	
CN102423277 A	20120606		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN102423277 A	20151118	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
EP1885312 A1	20080213	LSPB	+	published / reissued	
EP1885312 A1	20080213	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20071113
EP1885312 A1	20080213		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1885312 A1	20080521	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20080422
EP1885312 A1	20080903		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN	

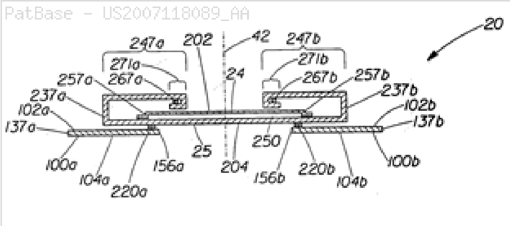
				PATENT (DELETED)	
EP1885312 A1	20120307	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20110914
IN00641DN2007 A	20070803	LSPB	+	published / reissued	
IN255379 B	20130222	LSGT	+	granted / extensions (spc, cpc, pte)	
IN255379 B	20270123	PEXP		Calculated Patent Term Expiry	
JP2008541934 T2	20081127	LSPB	+	published / reissued	
JP2008541934 T2	20100310		A977	REPORT ON RETRIEVAL	Effective date: 20100310 Text: JAPANESE INTERMEDIATE CODE: A971007
JP2008541934 T2	20100317	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20100316 Text: JAPANESE INTERMEDIATE CODE: A131
JP2008541934 T2	20100617		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20100616 Text: JAPANESE INTERMEDIATE CODE: A601
JP2008541934 T2	20100624		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Effective date: 20100623 Text: JAPANESE INTERMEDIATE CODE: A602
JP2008541934 T2	20100717		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20100716 Text: JAPANESE INTERMEDIATE CODE: A601
JP2008541934 T2	20100727		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Effective date: 20100726 Text: JAPANESE INTERMEDIATE CODE: A602
JP2008541934 T2	20100807	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20100806 Text: JAPANESE INTERMEDIATE CODE: A523
JP2008541934 T2	20101220	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20101217 Text: JAPANESE INTERMEDIATE CODE: A01

23) Family number: 34492056 (US2007118089 AA) © PatBase

Title: DISPOSABLE ABSORBENT ARTICLE HAVING BACKSHEET STRIPS

Abstract: A **disposable** pull-on **absorbent article** includes two laterally opposing longitudinally extending backsheet strips attached to an exterior surface of an **absorbent** assembly in laterally opposing attachment zones. Each backsheet strip may include a water-impermeable layer and may be extensible. The **absorbent** assembly includes laterally opposing side flaps which may be formed by folding portions of the **absorbent** assembly laterally inward. A longitudinally extending elastic gathering member is attached to each side flap adjacent to its proximal edge. When the **article** is worn, the elastic gathering members contract and raise the side flaps to form side barriers. The **absorbent** assembly includes an **absorbent** core that may contain superabsorbent particles, which may be contained inside pockets. A portion of the **absorbent** assembly such as the portion that lies between the backsheet strip attachment zones may be extensible and may include a water-impermeable layer.

Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/49 A61F13/494 A61F13/496 A61F13/539
International (IPC 1-7): A61F13/49 A61F13/539
CPC: A61F13/49 A61F13/49009 A61F13/49015 A61F13/49017 A61F13/514
US: 604/385.22 604/385.220S 604/385.28 604/385.280P



Family:

Publication number	Publication date	Application number	Application date
AR058530 AA	20080206	AR2006P105133	20061122
BRPI0618830 A2	20110913	BR2006PI18830	20061121
CL2006003247 A1	20070914	CL20060003247	20061123
CN101039643 A	20070919	CN200680000962	20061121
CN101039643 B	20110615	CN200680000962	20061121
EP1951177 A1	20080806	EP20060831896	20061121
IN03708DN2007 A	20070824	IN2007DN03708	20070517
RU2008116266 A	20091227	RU20080116266	20061121
TH85347 A	20070628	TH20061005816	20061122
US2007118089 AA	20070524	US20050286614	20051123
WO07060613 A1	20070531	WO2006IB54365	20061121
ZA200804100 A	20090930	ZA20080004100	20080513

Priority:

US20050286614 20051123 US20050286614 20051223 WO2006IB54365 20061121

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): LAVON GARY DEAN ; PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; PROCTER GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ (US) ; □□□□ □□□□□□□□ □□□□ □□□□□□ □□□□□□ ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; LAVON GARY D ; LAVON GARY DEAN

Inventor(s): GARY DEAN LAVON ; LAVON GARY ; ЛЭЙВОН ГАРИ ДИН ; ЛЭЙВОН Гари Дин (US) ; □□□□□□ □□ □□□□□ ; 加里 D 拉万 ; 加里·D·拉万

Agent(s): KREMER VERONIQUE MARIE JOSEPHINE ET AL; LLOVET; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; □□□□□□□□□ □□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□ □□□□□□□□□ □□□□□□□□□ □□□□□□□□□ □□□□□□□□□□□□□□□□□□;□□□□□□□□□□ □□□□□□□,□□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□ □□□□□□□□; 北京市柳沈律师事务所 11105; 曲莹; 马高平

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 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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR058530 AA	20080206	LSPB	+	published / reissued	
AR058530 AA	20141203	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
BRPI0618830 A2	20140506	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 7A ANUIDADE.
BRPI0618830 A2	20140902	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2261 DE 06/05/2014.
CL2006003247 A1	20070914	LSPB	+	published / reissued	
CN101039643 A	20070919	LSPB	+	published / reissued	
CN101039643 A	20070919	LSPB	+C06	PUBLICATION	

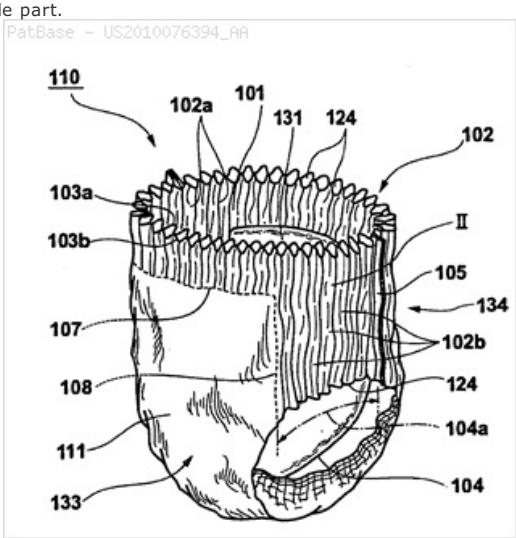
CN101039643 A	20070919	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN101039643 A	20071114		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101039643 A	20071114		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN101039643 B	20110615	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101039643 B	20110615	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101039643 B	20110615	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN101039643 B	20191112	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN101039643 B	20191112	LSLE	-CF01	未缴年费专利权终止	Text: 专利权的终止 (Termination of Patent Right) Effective date: 20181121
CN101039643 B	20261121	PEXP		Calculated Patent Term Expiry	
EP1951177 A1	20080806	LSPB	+	published / reissued	
EP1951177 A1	20080806	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20080326
EP1951177 A1	20080806		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1951177 A1	20090422	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20090325
EP1951177 A1	20100331	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20091006
IN03708DN2007 A	20070824	LSPB	+	published / reissued	
RU2008116266 A	20091227	LSPB	+	published / reissued	
RU2008116266 A	20101027	LSWD	-FA92	ACKNOWLEDGEMENT OF APPLICATION WITHDRAWN (LACK OF SUPPLEMENTARY MATERIALS SUBMITTED)	Effective date: 20100921
TH85347 A	20070628	LSPB	+	published / reissued	
US2007118089 AA	20051123	LSAS	AS	ASSIGNMENT	Owner: THE PROCTER & GAMBLE COMPANY, OHIO PartyType: owner Effective date: 20051123 OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:LAVON, GARY D.;REEL/FRAME:017288/0885
US2007118089 AA	20070524	LSPB	+	published / reissued	
US2007118089 AA	20120518	LSWD	ABD3	Abandoned -- Failure to Respond to an Office Action	
US2007118089 AA	20120518		-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	Text: ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION

24) Family number: 41862166 (US2010076394 AA)

Title: **ABSORBENT** **ARTICLE**

Abstract: An **absorbent** **article** 1 includes an **absorbent** body 3 and an outer cover 2. The outer cover 2 has a front section A, crotch section C, and a rear section B and includes an outer sheet 21, an inner sheet 22, and elastic members 23. The outer cover 2 has a below-waist gather formed of a composite stretch panel in its below-waist portion D. The composite stretch panel has the outer and inner sheets 21, 22 bonded at bonds discretely arranged in the stretch direction thereof and the direction perpendicular thereto. The elastic members 23 extend not to pass the bonds without being fixed to the outer and inner sheets 21, 22 at other than their both ends. The outer and inner sheets 21, 22 form folds continuously extending over a plurality of the elastic members 23. The waist portion F of the outer cover 2 has a lower extension percentage in its laterally middle part than in the other parts on both sides of the middle part.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/494 A61F13/496 A61F13/514 A61F13/515 A61F13/538 A61F5/44
CPC: B29C65/02 B29C65/087 B29C65/18 B29C66/1122 B29C66/21 B29C66/433 B29C66/7294 B29C66/81433 B29C66/83411 B29C66/83511 B29K2995/0046 B29L2031/4878 A61F13/15593 A61F13/15699 A61F13/49011 A61F13/49017 A61F13/49019 A61F13/4902 A61F13/515
US: 604/385.29 604/385.290P



Family:

Publication number	Publication date	Application number	Application date
CN101541284 A	20090923	CN200780043654	20071122
CN101541284 B	20130109	CN200780043654	20071122
DE602007040702 D1	20150430	DE200760040702T	20071122
EP2087871 A1	20090812	EP20070832340	20071122
EP2087871 A4	20120404	EP20070832340	20071122
EP2087871 B1	20150318	EP20070832340	20071122
JP2008131968 A2	20080612	JP20060318211	20061127
JP2008142342 A2	20080626	JP20060333622	20061211
JP2008161514 A2	20080717	JP20060355555	20061228
JP2008229246 A2	20081002	JP20070077013	20070323
JP4986585 B2	20120725	JP20060318211	20061127
JP4986596 B2	20120725	JP20060333622	20061211
JP4994027 B2	20120808	JP20060355555	20061228
JP5041840 B2	20121003	JP20070077013	20070323
KR101415547 B1	20140708	KR20097010972	20071122
KR20090083419 A	20090803	KR20097010972	20071122
RU2009124444 A	20110110	RU20090124444	20071122
RU2434619 C2	20111127	RU20090124444	20071122
TW200840552 A	20081016	TW20070144888	20071127
TWI450709 B	20140901	TW20070144888	20071127
US2010076394 AA	20100325	US20070516516	20071122
WO08065953 A2	20080605	WO2007JP72611	20071122

Priority:

JP20060318211 20061127 JP20060333622 20061211 JP20060355555 20061228
JP20070077013 20070323 WO2007JP72611 20071122 EP20070832340 20071122

Probable Assignee: KAO CORP

Assignee(s): (std): HAYASE TORU ; KAO CORP ; OKUDA YASUYUKI ; ONDA AIKO ; SASAKI JUN ; TAKAHASHI AKIO ; TOMITA MINA

Assignee(s): KAO CORPORATIONJP ; KAO KORPOREJSHN ; KAO КОРПОРЕЙШН ; KAO КОРПОРЕЙШН (JP) ; 花王株式会社 ; 花王股份有限公司 ; 가오 가부시키가이샤

Inventor(s): (std): AIKO ONDA ; AKIO TAKAHASHI ; HAYASE TORU ; KHAJASE TORU ; MINA TOMITA ; OKUDA JASUJUKI ; OKUDA YASUYUKI ; ONDA AIKO ; SASAKI DZUN ; SASAKI JUN ; TAKAHASHI AKIO ; TAKAKHASI AKIO ; TOMITA MINA ; TORU HAYASE ; YASUYUKI OKUDA

Inventor(s): ОКУДА ЯСУЮКИ ; ОКУДА Ясуюки (JP) ; ОНДА АИКО ; ОНДА Аико (JP) ; САСАКИ ДЗУН ; САСАКИ Дзун (JP) ; ТАКАХАСИ АКИО ; ТАКАХАСИ Акио (JP) ; ТОМИТА МИНА ; ТОМИТА Мина (JP) ; ХАЯСЕ ТОРУ ; ХАЯСЕ Тору (JP) ; 佐々木 純 ; 佐佐木純 ; 佐佐木纯 ; 奥田 泰之 ; 奥田泰之 ; 富田 美奈 ; 恩田 藍子 ; 恩田 蓝子 ; 早瀬徹 ; 早瀬 徹 ; 高桥明男 ; 高橋 明男 ; 사사키 준 ; 오쿠다 야스유키 ; 온다 아이코 ; 타카하시 아키오 ; 토미타 미나 ; 하야세 토오루

Agent(s): BIRCH STEWART KOLASCH AND BIRCH; HATORI OSAMU; HATORI OSAMU ET AL; MATSUSHIMA YOSHIYUKI; VOSSIUS AND PARTNER; VOSSIUS AND PARTNER PATENTANWAELTE RECHTSANWAELTE MBB; 北京尚诚知识产权代理有限公司 11322; 松嶋 善之; 永新专利商标代理有限公司; 羽鳥 修; 陈建全; 陳長文; 龙淳; 윤동열

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN101541284 A	20090923	LSPB	+	published / reissued	
CN101541284 A	20090923	LSPB	+C06	PUBLICATION	
CN101541284 A	20091125		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101541284 B	20130109	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101541284 B	20130109	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101541284 B	20271122	PEXP		Calculated Patent Term Expiry	
DE602007040702 D1	20120227		R079	AMENDMENT OF IPC MAIN CLASS	ClassificationScheme: IPC ClassificationSymbol: A61F0013496000 Text: PREVIOUS MAIN CLASS: A61F0013496000
EP2087871 A1	20090812	LSPB	+	published / reissued	
EP2087871 A1	20090812	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20090528
EP2087871 A1	20090812		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR
EP2087871 A1	20100303		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2087871 A1	20160229	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20151111 Country of Ref document: SE
EP2087871 A4	20120404	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20120302
EP2087871 A4	20120404		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/496 20060101AFI20120227BHEP ClassificationScheme: IPC
EP2087871 A4	20120404		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALI20120227BHEP
EP2087871 A4	20120404		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/49 20060101ALI20120227BHEP
EP2087871 A4	20120404		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/515 20060101ALI20120227BHEP ClassificationScheme: IPC
EP2087871 A4	20140219	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20140120
EP2087871 A4	20141203	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20141105
EP2087871 A4	20150311	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PartyType: owner Owner: KAO CORPORATION
EP2087871 A4	20150311		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	Inventor: SASAKI, JUN PartyType: inventor
EP2087871 A4	20150311		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT	Inventor: ONDA, AIKO PartyType: inventor

				(CORRECTED)	
EP2087871 A4	20150311		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	PartyType: inventor Inventor: TOMITA, MINA
EP2087871 A4	20150311		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	Inventor: OKUDA, YASUYUKI PartyType: inventor
EP2087871 A4	20150311		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	Inventor: TAKAHASHI, AKIO PartyType: inventor
EP2087871 A4	20150311		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	Inventor: HAYASE, TORU PartyType: inventor
EP2087871 B1	20150318	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2087871 B1	20150318		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR
EP2087871 B1	20150318	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP2087871 B1	20150331	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP2087871 B1	20150408	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: IE
EP2087871 B1	20150415	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: AT Kind code of Ref document: T Ref document number: 716058 Effective date: 20150415 Ref legal event code: REF Country of Ref document: AT
EP2087871 B1	20150428		REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: TRGR
EP2087871 B1	20150430	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602007040702 Ref legal event code: R096 Ref country code: DE Effective date: 20150430 Country of Ref document: DE
EP2087871 B1	20150722	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: NL Effective date: 20150318 Ref legal event code: VDEP
EP2087871 B1	20150729	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: NL Ref legal event code: VDEP Effective date: 20150318
EP2087871 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150318 Country of Ref document: FI
EP2087871 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150318 Country of Ref document: LT
EP2087871 B1	20150815	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 716058 Ref country code: AT Ref legal event code: MK05 Effective date: 20150318 Kind code of Ref document: T Country of Ref document: AT
EP2087871 B1	20150825	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: LT Ref legal event code: MG4D
EP2087871 B1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150619 Country of Ref document: GR
EP2087871 B1	20150831	LSLE	-PG25	LAPSED IN A	NotificationOfLapse: LAPSE

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150318 Country of Ref document: LV
EP2087871 B1	20150930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150318 Country of Ref document: NL
EP2087871 B1	20151008	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PLFP Year of fee payment: 9 Ref country code: FR Country of Ref document: FR
EP2087871 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150720 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP2087871 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150318 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP2087871 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150318 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP2087871 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150318 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP2087871 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150318 Country of Ref document: EE
EP2087871 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150318 Country of Ref document: RO
EP2087871 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150318 Country of Ref document: AT
EP2087871 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150718 Country of Ref document: IS
EP2087871 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150318 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL
EP2087871 B1	20151221	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602007040702 Ref legal event code: R097 Country of Ref document: DE

EP2087871 B1	20151231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150318 Country of Ref document: IT
EP2087871 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150318 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP2087871 B1	20160224	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20151221
EP2087871 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150318 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP2087871 B1	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150318 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MC
EP2087871 B1	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20151122 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LU
EP2087871 B1	20160630	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP2087871 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20151130 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP2087871 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20151130 Country of Ref document: LI
EP2087871 B1	20160824	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP2087871 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150318 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BE
EP2087871 B1	20161014	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Year of fee payment: 10 Ref legal event code: PLFP Country of Ref document: FR
EP2087871 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20151122 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP2087871 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 10 Payment date: 20161116 Country of Ref document: DE
EP2087871 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL	Payment date: 20161116 Year of fee payment: 10 Country of Ref document: GB

				OFFICE TO EPO]	
EP2087871 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161014 Year of fee payment: 10 Country of Ref document: FR
EP2087871 B1	20170228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161111 Year of fee payment: 10 Country of Ref document: SE
EP2087871 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150318 Country of Ref document: BG
EP2087871 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20071122 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Country of Ref document: HU
EP2087871 B1	20170630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150318 Country of Ref document: CY
EP2087871 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150318 Country of Ref document: TR
EP2087871 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150318 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MT
EP2087871 B1	20171012	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Year of fee payment: 11 Ref legal event code: PLFP
EP2087871 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171012 Year of fee payment: 11 Country of Ref document: FR
EP2087871 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 11 Payment date: 20171114 Country of Ref document: DE
EP2087871 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171113 Year of fee payment: 11 Country of Ref document: SE
EP2087871 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171122 Year of fee payment: 11 Country of Ref document: GB
EP2087871 B1	20181011	LSFE	REG	REFERENCE TO A NATIONAL CODE	Year of fee payment: 12 Ref country code: FR Ref legal event code: PLFP
EP2087871 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 12 Payment date: 20181113 Country of Ref document: SE
EP2087871 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE	Payment date: 20181106 Year of fee payment: 12 Country of Ref document: DE

				[ANNOUNCED FROM NATIONAL OFFICE TO EPO]	
EP2087871 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 12 Payment date: 20181121 Country of Ref document: GB
EP2087871 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 12 Payment date: 20181011 Country of Ref document: FR
EP2087871 B1	20200131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20191111 Year of fee payment: 13 Country of Ref document: SE
EP2087871 B1	20200131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 13 Payment date: 20191112 Country of Ref document: DE
EP2087871 B1	20200228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 13 Payment date: 20191015 Country of Ref document: FR
EP2087871 B1	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20191122 Year of fee payment: 13 Country of Ref document: GB
EP2087871 B1	20271122	PEXP		Calculated Patent Term Expiry	
JP2008131968 A2	20080612	LSPB	+	published / reissued	
JP2008131968 A2	20081225	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Effective date: 20081224 Text: JAPANESE INTERMEDIATE CODE: A621
JP2008131968 A2	20090331	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20090330
JP2008131968 A2	20110914	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20110913
JP2008131968 A2	20111111	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20111110 Text: JAPANESE INTERMEDIATE CODE: A523
JP2008131968 A2	20120417	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2008131968 A2	20120425	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20120424 Text: JAPANESE INTERMEDIATE CODE: A01
JP2008131968 A2	20120426	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01
JP2008131968 A2	20120510	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Text: JAPANESE INTERMEDIATE CODE: A61 Effective date: 20120424
JP2008131968 A2	20120514	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP2008142342 A2	20080626	LSPB	+	published / reissued	
JP2008142342 A2	20081225	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A621 Effective date: 20081224
JP2008142342 A2	20110914	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20110913 Text: JAPANESE INTERMEDIATE CODE: A131

JP2008142342 A2	20111111	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20111110
JP2008142342 A2	20120417	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2008142342 A2	20120425	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01 Effective date: 20120424
JP2008142342 A2	20120426	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01
JP2008142342 A2	20120510	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective date: 20120424 Text: JAPANESE INTERMEDIATE CODE: A61
JP2008142342 A2	20120514	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP2008161514 A2	20080717	LSPB	+	published / reissued	
JP2008161514 A2	20081212	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A621 Effective date: 20081211
JP2008161514 A2	20110921	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20110920
JP2008161514 A2	20111122	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A821 Effective date: 20111121
JP2008161514 A2	20111122	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20111121
JP2008161514 A2	20111123		RD03	NOTIFICATION OF APPOINTMENT OF POWER OF ATTORNEY	Text: JAPANESE INTERMEDIATE CODE: A7423 Effective date: 20111122
JP2008161514 A2	20120417	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2008161514 A2	20120425	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20120424 Text: JAPANESE INTERMEDIATE CODE: A01
JP2008161514 A2	20120426	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01
JP2008161514 A2	20120517	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Text: JAPANESE INTERMEDIATE CODE: A61 Effective date: 20120508
JP2008161514 A2	20120518	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP2008161514 A2	20120521	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP2008229246 A2	20081002	LSPB	+	published / reissued	
JP2008229246 A2	20091222	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Effective date: 20091221 Text: JAPANESE INTERMEDIATE CODE: A621
JP2008229246 A2	20110914	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20110913 Text: JAPANESE INTERMEDIATE CODE: A131
JP2008229246 A2	20111111	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20111110 Text: JAPANESE INTERMEDIATE CODE: A523

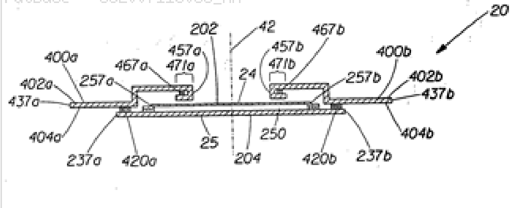
JP2008229246 A2	20120425	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20120424
JP2008229246 A2	20120623	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20120622 Text: JAPANESE INTERMEDIATE CODE: A523
JP2008229246 A2	20120705	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2008229246 A2	20120711	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01 Effective date: 20120710
JP2008229246 A2	20120712	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01
JP2008229246 A2	20120719	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective date: 20120710 Text: JAPANESE INTERMEDIATE CODE: A61
JP2008229246 A2	20120723	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3

25) Family number: 34492055 (US2007118088 AA) © PatBase

Title: **DISPOSABLE** **ABSORBENT** **ARTICLE** HAVING BARRIER CUFF STRIPS

Abstract: A **disposable** pull-on **absorbent** **article** includes a pair of laterally opposing longitudinally extending barrier cuff strips attached to an interior surface of an **absorbent** assembly in laterally opposing attachment zones. Each barrier cuff strip may include a water-impermeable layer and may be extensible. A longitudinally extending elastic gathering member is attached to each barrier cuff strip adjacent to its proximal edge. When the **article** is worn, the elastic gathering members contract and raise the barrier cuff strips to form side barriers. The **absorbent** assembly includes an **absorbent** core that may contain superabsorbent particles, which may be contained inside pockets. A portion of the **absorbent** assembly such as the portion that lies between the barrier cuff strip attachment zones may be extensible and may include a water-impermeable layer. The laterally opposing attachment zones may act as dams preventing a lateral flow of liquid bodily waste.

Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/49
International (IPC 1-7): A61F13/15 A61F13/49
CPC: A61F13/49015 A61F13/49017
US: 604/385.22 604/385.220S 604/385.28 604/385.280P



Family:

Publication number	Publication date	Application number	Application date
AR058227 AA	20080123	AR2006P105135	20061122
BRPI0618832 A2	20110913	BR2006PI18832	20061121
CL2006003248 A1	20070914	CL20060003248	20061123
CN101043863 A	20070926	CN200680000961	20061121
EP1951176 A1	20080806	EP20060831897	20061121
IN03116DN2007 A	20070831	IN2007DN03116	20070425
RU2008116265 A	20091227	RU20080116265	20061121
RU2397743 C2	20100827	RU20080116265	20061121
TH85346 A	20070628	TH20061005815	20061122
US2007118088 AA	20070524	US20050286612	20051123
WO07060614 A1	20070531	WO2006IB54366	20061121
ZA200804102 A	20090930	ZA20080004102	20080513

Priority:
US20050286612 20051123 US20050286612 20051223 WO2006IB54366 20061121

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): LAVON GARY DEAN ; PROCTER AND GAMBLE

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ (US) ; □□□□ □□□□□□□□ □□□□ □□□□□□ □□□□□□ ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; LAVON GARY D ; LAVON GARY DEAN ; LEHJVON GARI DIN

Inventor(s): GARY DEAN LAVON ; LAVON GARY ; ЛЭЙВОН ГАРИ ДИН ; ЛЭЙВОН Гари Дин (US) ; □□□□□□ □□ □□□□□ ; 加里·D·拉万

Agent(s): KREMER VERONIQUE MARIE JOSEPHINE ET AL; LLOVET; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; □□□□□□□□□□ □□□□□□□□; □□□□□□□□□□ □□□□□□□□ □□□□□□□□□ □□□□□□□□□ □□□□□□□□□ □□□□□□□□□□ □□□□□□□□; □□□□□□□□□ □□□□□□□□, □□□□□□□□□□ □□□□□□□□, □□□□□□□□□□ □□□□□□□□, □□□□□□□□□□ □□□□□□□

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 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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR058227 AA	20080123	LSPB	+	published / reissued	
AR058227 AA	20141203	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
BRPI0618832 A2	20130611	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 6A ANUIDADE
BRPI0618832 A2	20140218	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2214 DE 11/06/2013.
CL2006003248 A1	20070914	LSPB	+	published / reissued	
CN101043863 A	20070926	LSPB	+	published / reissued	
CN101043863 A	20070926	LSPB	+C06	PUBLICATION	
CN101043863 A	20071121		C10	ENTRY INTO	

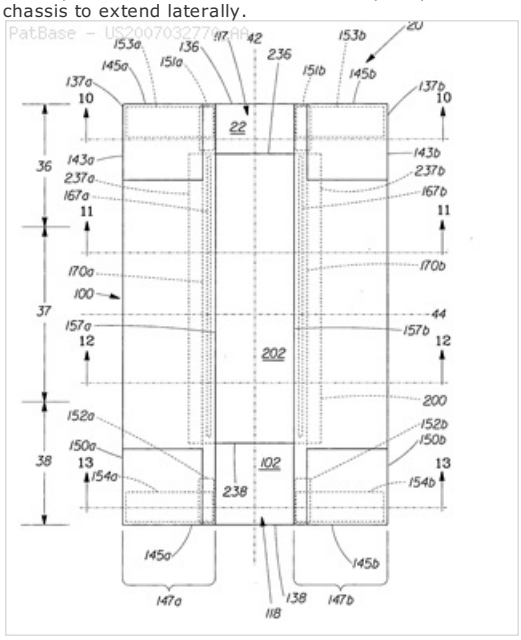
				SUBSTANTIVE EXAMINATION	
CN101043863 A	20110824	LSDW	-C20	PATENT RIGHT OR UTILITY MODEL DEEMED TO BE ABANDONED OR IS ABANDONED	
EP1951176 A1	20080806	LSPB	+	published / reissued	
EP1951176 A1	20080806	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20080326
EP1951176 A1	20080806		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1951176 A1	20090114	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20081215
EP1951176 A1	20120801		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP1951176 A1	20121128	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20120601
IN03116DN2007 A	20070831	LSPB	+	published / reissued	
RU2008116265 A	20091227	LSPB	+	published / reissued	
RU2397743 C2	20100827	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2397743 C2	20120927	LSLE	-MM4A	THE PATENT IS INVALID DUE TO NON-PAYMENT OF FEES	Effective date: 20111122
RU2397743 C2	20261121	PEXP		Calculated Patent Term Expiry	
TH85346 A	20070628	LSPB	+	published / reissued	
US2007118088 AA	20051123	LSAS	AS	ASSIGNMENT	Effective date: 20051123 PartyType: owner OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:LAVON, GARY D.;REEL/FRAME:017288/0858 Owner: THE PROCTER & GAMBLE COMPANY, OHIO
US2007118088 AA	20070524	LSPB	+	published / reissued	
US2007118088 AA	20110125	LSWD	ABD3	Abandoned -- Failure to Respond to an Office Action	
US2007118088 AA	20110125		-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	Text: ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION

26) Family number: 34193994 (US2007032770 AA)

Title: SIMPLE **DISPOSABLE** **ABSORBENT** **ARTICLE**

Abstract: A simple **disposable** pant-like garment includes a chassis and an **absorbent** assembly. The chassis, which can be extensible, includes a water-impermeable sheet folded laterally inward at both of its side edges to form opposing side flaps. Each side flap is attached to the interior surface of the chassis adjacent to its end edges. Each side flap has a longitudinally extending elastic gathering member attached adjacent to its proximal edge. The **absorbent** assembly is smaller in width and in length than the chassis. The side edges and end edges of the **absorbent** assembly can be **disposed** proximally relative to the respective side edges and end edges of the chassis. The **absorbent** assembly includes an **absorbent** core that can contain superabsorbent particles contained inside pockets. The **absorbent** assembly may be attached in a cruciform pattern to the chassis to allow portions of the chassis to extend laterally.

Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/20 A61F13/49 A61F13/494 A61F13/496 A61F13/53 A61F13/56
International (IPC 1-7): A61F13/49 A61F13/494 A61F13/56
CPC: A61F13/49 A61F13/49011 A61F13/49413 A61F13/565
US: 604/385.201 604/385.201P 604/385.22 604/385.220P 604/385.26 604/385.260S 604/385.28 604/391



Family:

Publication number	Publication date	Application number	Application date
AR057487 AA	20071205	AR2006P103423	20060804
AU2006274610 AA	20070208	AU20060274610	20060803
BRPI0614433 A2	20110329	BR2006PI14433	20060803
CA2617390 AA	20080130	CA20062617390	20060803
CA2617390 C	20120508	CA20062617390	20060803
CN101160111 A	20080409	CN200680000914	20060803
CN101160111 B	20140910	CN200680000914	20060803
EP1909723 A2	20080416	EP20060780313	20060803
IN02599DN2007 A	20070803	IN2007DN02599	20070405
JP2009502409 T2	20090129	JP20080524666T	20060803
MX2008001584 A1	20080215	MX20080001584	20060803
RU2008103164 A	20090910	RU20080103164	20060803
RU2387428 C2	20100427	RU20080103164	20060803
TH84183 A	20070419	TH20061003721	20060804
US2007032770 AA	20070208	US20050197197	20050804
US2011196333 AA	20110811	US20110089628	20110419
US7931636 BB	20110426	US20050197197	20050804
US8734417 BB	20140527	US20110089628	20110419
WO07015224 A2	20070208	WO2006IB52689	20060803
WO07015224 A3	20070531	WO2006IB52689	20060803
ZA200801111 A	20081126	ZA20080001111	20080201

Priority:
US20050197197 20050804 WO2006IB52689 20060803 US20110089628 20110419

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): LAVON GARY D ; LAVON GARY DEAN ; LODGE RICHARD W ; LODGE RICHARD WORTHINGTON ; PROCTER AND GAMBLE ; SMITH KEVIN M ; SMITH KEVIN MICHAEL

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ (US) ; □□□□ □□□□□□□□□ □□□□ □□□□□□ □□□□□□ ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; LAVON GARY D ; LAVON GARY DEAN ; LAVON GEHRI DIN ; LODGE RICHARD W ; LODGE RICHARD WORTHINGTON ; LODZH RICHARD VORTINGTON ; MICHAEL SMITH KEVIN ; SMIT KEVIN MAJKL ; SMITH KEVIN M ; SMITH KEVIN MICHAEL ; SMITH KEVIN MICHEL ; WORTHINGTON LODGE RICHARD

Inventor(s): GARY DEAN LAVON ; KEVIN MICHAEL SMITH ; KEVIN MICHEL SMITH ; LAVON GARY ; LODGE RICHARD ; RICHARD WORTHINGTON LODGE ; SMITH KEVIN ; ЛАВОН ГЭРИ ДИН ; ЛАВОН Гэри Дин (US) ; ЛОДЖ РИЧАРД ВОРТИНГТОН ; ЛОДЖ Ричард Вортингтон (US) ; СМИТ КЕВИН МАЙКЛ ; СМИТ Кевин Майкл (US) ; □□□□□□□□□ □□□□□□□□□ ; □□□□□□□ □□□□□ □□□ ; □□□□□□ □□ □□□□□ ; ケビン マイケル スミス ; ゲーリー ディーン ラボン ; リチャード ワーシントン ロッジ ; 凯文 M 史密斯 ; 凯文·M·史密斯 ; 加里 D 拉万 ; 加里·D·拉万 ; 理查德 W 洛奇 ; 理查德·W·洛奇

Agent(s): CHARLES R; DIMOCK STRATTON LLP; GRIFFITH HACK; KREMER VERONIQUE MARIE JOSEPHINE ET AL; NAGAI HIROSHI; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; RICHARD L; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; WATERMARK INTELLECTUAL

PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WILSON LUE LLP; □
□□□□□□□□□□ □□□□□□□□;□□□□□□□□□□ □□□□□□□□ □□□□□□□□□ □□□□□□□□□
□□□□□□□□□□ □□□□□□□□□ □□□□□□□□□□ □□□□□□□□;□□□□□□□□□□ □□□□□□□□,□
□□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□ □□□□□□□□; 勝沼 宏仁; 北京市柳沈律师事务所 11105; 吉武 賢次; 名塚 聡; 岡田 淳平; 曲莹; 永井 浩之; 马高平

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 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 MW MX 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 SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR057487 AA	20071205	LSPB	+	published / reissued	
AR057487 AA	20141203	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
AU2006274610 AA	20070208	LSPB	+	published / reissued	
AU2006274610 AA	20110203	LSLE	-MK5	APPLICATION LAPSED SECTION 142(2)(E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED	
BRPI0614433 A2	20170822	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0614433 A2	20171212	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0614433 A2	20180508	LSRV	B09B	DECISION: REFUSAL	
BRPI0614433 A2	20180724	LSRV	B09B	DECISION: REFUSAL	
BRPI0614433 A2	20180724	LSRV	B09B	DECISION: REFUSAL	Text: MANTIDO O INDEFERIMENTO UMA VEZ QUE NAO FOI APRESENTADO RECURSO DENTRO DO PRAZO LEGAL
CA2617390 AA	20080130	LSPB	+	published / reissued	
CA2617390 AA	20080130	LSES	+EEER	EXAMINATION REQUEST	
CA2617390 C	20120508	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2617390 C	20130916	LSLE	-MKLA	LAPSED	Effective date: 20130805
CA2617390 C	20260803	PEXP		Calculated Patent Term Expiry	
CN101160111 A	20080409	LSPB	+	published / reissued	
CN101160111 A	20080409	LSPB	+C06	PUBLICATION	
CN101160111 A	20080409	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN101160111 A	20080604		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101160111 A	20080604		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN101160111 B	20140910	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101160111 B	20140910	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101160111 B	20140910	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN101160111 B	20190723	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN101160111 B	20190723	LSLE	-CF01	未缴年费专利权终止	Effective date: 20180803 Text: 专利权的终止 (Termination of Patent Right)
CN101160111 B	20260803	PEXP		Calculated Patent Term Expiry	
EP1909723 A2	20080416	LSPB	+	published / reissued	
EP1909723 A2	20080416	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20080109
EP1909723 A2	20080416		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO

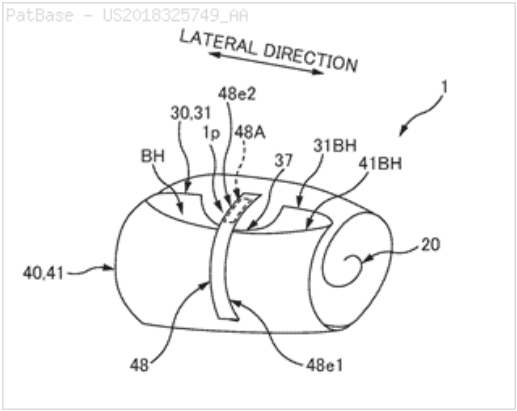
					SE SI SK TR
EP1909723 A2	20110406	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20110302
EP1909723 A2	20120725		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP1909723 A2	20130828	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20130301
IN02599DN2007 A	20070803	LSPB	+	published / reissued	
JP2009502409 T2	20090129	LSPB	+	published / reissued	
JP2009502409 T2	20100623		A977	REPORT ON RETRIEVAL	Text: JAPANESE INTERMEDIATE CODE: A971007 Effective date: 20100623
JP2009502409 T2	20100804	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20100803 Text: JAPANESE INTERMEDIATE CODE: A131
JP2009502409 T2	20101026		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20101025 Text: JAPANESE INTERMEDIATE CODE: A601
JP2009502409 T2	20101102		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Text: JAPANESE INTERMEDIATE CODE: A602 Effective date: 20101101
JP2009502409 T2	20110203	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20110202
JP2009502409 T2	20110905	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20110902 Text: JAPANESE INTERMEDIATE CODE: A131
JP2009502409 T2	20111203		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20111202 Text: JAPANESE INTERMEDIATE CODE: A601
JP2009502409 T2	20111212		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Effective date: 20111209 Text: JAPANESE INTERMEDIATE CODE: A602
JP2009502409 T2	20120105	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20120104
JP2009502409 T2	20120618	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20120615 Text: JAPANESE INTERMEDIATE CODE: A01

27) Family number: 62802357 (US2018325749 AA)

Title: PULL-ON **DISPOSABLE** **DIAPER**

Abstract: A pull-on **disposable** **diaper** includes a front side portion; a back side portion; a crotch portion; a waist opening; and a pair of leg openings. An edge portion of the waist opening of the front side portion includes a recessed portion that is recessed in the lengthwise direction toward the crotch portion with respect to an edge portion of the waist opening of the back side portion. A tape member is fixed on a non-skin side surface of the back side portion so as to be extendable toward the waist opening in the lengthwise direction, the tape member being used for fixing the **diaper** in a small state in the lengthwise direction when the **diaper** is **disposed** of. The recessed portion is provided at a position corresponding to the tape member in the lateral direction.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/493 A61F13/494 A61F13/496 A61F13/505 A61F13/51 A61F13/511 A61F13/514 A61F13/53 A61F13/551 A61F13/56 A61F13/84 H01F5/00 H01F5/06 H02K15/10 H02K3/40
International (IPC 1-7): A61F13/15 A61F13/496 A61F13/551
CPC: A61F13/15 A61F13/496 A61F13/49011 A61F2013/49098 A61F13/84 A61F13/49009 A61F13/493 A61F13/53 A61F13/5512 A61F2013/1504 A61F2013/55125 A61F13/49 A61F13/15723 A61F13/511 A61F13/514 A61F2013/15243 A61F2013/15918 A61F2013/8497 A61F13/15699 A61F13/49406 A61F13/49466 A61F2013/49493
US: 1/1 604/385.13



Family:

Publication number	Publication date	Application number	Application date
BR112017009581 A2	20171226	BR20171109581	20151225
BR112017013353 A2	20180306	BR20171113353	20151225
BR112017026829 A2	20180814	BR20171126829	20160426
BR112018009201 A2	20181106	BR20181109201	20160624
BR112018009201 A8	20190226	BR20181109201	20160624
CN107106343 A	20170829	CN201580068783	20151225
CN107106343 B	20180731	CN201580068783	20151225
CN107106351 A	20170829	CN201580070877	20151225
CN107708633 A	20180216	CN201680038563	20160525
CN107708634 A	20180216	CN201680038567	20160426
CN108348389 A	20180731	CN201680065319	20160624
DE602016020633 D1	20191002	DE201660020633T	20160624
EA201800062 A1	20180430	EA20180000062	20160426
EP3318233 A1	20180509	EP20160817549	20160426
EP3318233 A4	20180627	EP20160817549	20160426
EP3318234 A1	20180509	EP20160817599	20160525
EP3318234 A4	20180627	EP20160817599	20160525
EP3351226 A1	20180725	EP20160863844	20160624
EP3351226 A4	20181031	EP20160863844	20160624
EP3351226 B1	20190911	EP20160863844	20160624
ID201712910 A	20171130	ID2017P0002828	20151225
ID201803762 A	20180413	ID2017P0004197	20151225
ID201804339 A	20180427	ID2018P0000598	20160525
ID201805107 A	20180518	ID2018P0000603	20160426
ID201809336 A	20180824	ID2018P0004192	20160624
IN201727013914 A	20170616	IN201727013914	20170419
IN201727017049 A	20170707	IN201727017049	20170516
IN201727019198 A	20170804	IN201727019198	20170531
IN201727043225 A	20180720	IN201727043225	20171201
IN201727045842 A	20180420	IN201727045842	20171220
JP2016120132 A2	20160707	JP20140262708	20141225
JP2017012403 A2	20170119	JP20150131815	20150630
JP2017012404 A2	20170119	JP20150131816	20150630
JP2017012786 A2	20170119	JP20160175818	20160908
JP2017086468 A2	20170525	JP20150220183	20151110
JP2017086469 A2	20170525	JP20150220184	20151110
JP2017113341 A2	20170629	JP20150252865	20151225
JP2017113342 A2	20170629	JP20150252866	20151225
JP5978378 B1	20160824	JP20150252866	20151225
JP6035381 B1	20161130	JP20150131816	20150630
JP6364346 B2	20180725	JP20140262708	20141225
JP6373242 B2	20180815	JP20150220184	20151110
JP6421108 B2	20181107	JP20150220183	20151110
JP6427482 B2	20181121	JP20150252865	20151225
JP6468960 B2	20190213	JP20150131815	20150630
JP6573589 B2	20190911	JP20160175818	20160908
KR101758161 B1	20170714	KR20177011828	20151225
KR20170054533 A	20170517	KR20177011828	20151225
KR20170099943 A	20170901	KR20177019485	20151225
KR20180023950 A	20180307	KR20187000704	20160426

KR20180023963 A	20180307	KR20187002489	20160525
KR20180082506 A	20180718	KR20187016047	20160624
PH2017550150 A	20180709	PH20170550150	20171222
TH179658 A	20180906	TH20171003578	20151225
TH179825 A	20180920	TH20171007837	20160525
TH181220 A	20181108	TH20171007945	20160426
TH182473 A	20181227	TH20171003489	20151225
TH67483 B	20190116	TH20171003578	20151225
TW201635992 A	20161016	TW20150142941	20151221
TW201709881 A	20170316	TW20160118783	20160615
TW201716044 A	20170516	TW20160121945	20160712
TW201717867 A	20170601	TW20160121947	20160712
TW201808241 A	20180316	TW20160130328	20160920
TWI590814 B	20170711	TW20160130328	20160920
TWI657806 B	20190501	TW20150142941	20151221
TWI657807 B	20190501	TW20160121945	20160712
TWI687213 B	20200311	TW20160121947	20160712
US10292876 BB	20190521	US20160774836	20160624
US2018325749 AA	20181115	US20160774836	20160624
WO16103982 A1	20160630	WO2015JP82248	20151117
WO16104070 A1	20160630	WO2015JP83716	20151201
WO16104721 A1	20160630	WO2015JP86266	20151225
WO16104722 A1	20160630	WO2015JP86267	20151225
WO17002439 A1	20170105	WO2016JP63039	20160426
WO17002490 A1	20170105	WO2016JP65491	20160525
WO17081880 A1	20170518	WO2016JP68798	20160624

Priority:

JP20140262708	20141225	JP20150131815	20150630	JP20150131816	20150630
JP20150220183	20151110	JP20150220184	20151110	WO2015JP83716	20151201
JP20150252866	20151225	WO2015JP86266	20151225	JP20150252865	20151225
WO2015JP86267	20151225	TH20171003578	20151225	WO2016JP63039	20160426
WO2016JP65491	20160525	WO2016JP68798	20160624	EP20160863844	20160624
JP20160175818	20160908				

Probable Assignee: UNICHARM CORP

Assignee(s): (std): UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CO LTD ; UNICHARM SHIKOKUCHUO SHI CORP ; ЮНИЧАРМ КОРПОРЕЙШН ; □□□□□□□□□□□□□□ ; ユニ チャーム株式会社 ; ユニ・チャーム株式会社 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司 ; 日商優你 嬌美股份有限公司 ; 유니 참 코포레이션 ; 유니참 가부시키가이샤

Inventor(s): (std): FUKASAWA JUN ; FUKAZAWA JUN ; FUKUSAWA JUN ; JUN FUKASAWA ; NAGASE NORIKO ; NORIKO NAGASE ; TOSHIYASU YOSHIOKA ; YOSHIOKA TOSHIYASU

Inventor(s): ЙОСИОКА, ТОСИЯСУ ; НАГАСЕ, НОРИКО ; ФУКАСАВА, ДЖУН ; □□ ; □□ □□□□□□□□ ; □□□□□□□□ ; □□□□□□□□ ; □□□□□□□□ ; □□□□□□□□ ; □□□□□□□□ ; □□□□□□□□ ; □□□□□□□□ ; □□□□□□□□ ; □□□□□□□□ ; 吉冈稔泰 ; 吉岡 稔泰 ; 深泽润 ; 深澤 潤 ; 長 瀬 紀子 ; 長▲瀬▼ 紀子 ; 長瀬紀子 ; 长濑纪子 ; 长瀬纪子 ; 나가세 노리코 ; 요시오카 도시야스 ; 후카사와 준

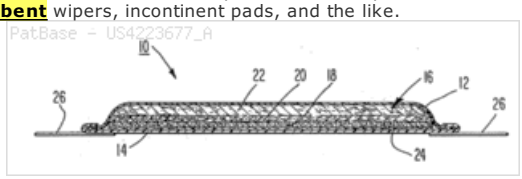
Agent(s): AGUSTIA KRISANTI SH MH; BUDI RAHMAT SH; DOLLEYMORES; HAUPTMAN HAM LLP; ISSHIKI AND CO; □□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□□□ □□□□□□□, □□□□□□□□□□□□□□

				SUBSTANTIVE EXAMINATION
CN107106343 B	20180731	LSGT	+	granted / extensions (spc, cpc, pte)
CN107106343 B	20180731	LSGT	+GR01	PATENT GRANT
CN107106343 B	20351225	PEXP		Calculated Patent Term Expiry
CN107106351 A	20170829	LSPB	+	published / reissued
CN107106351 A	20170829	LSPB	PB01	PUBLICATION
CN107106351 A	20171215		SE01	ENTRY INTO FORCE OF REQUEST FOR SUBSTANTIVE EXAMINATION
CN107708633 A	20180216	LSPB	+	published / reissued
CN107708633 A	20180216	LSPB	PB01	PUBLICATION
CN107708633 A	20180706		SE01	ENTRY INTO FORCE OF REQUEST FOR SUBSTANTIVE EXAMINATION
CN107708634 A	20180216	LSPB	+	published / reissued
CN107708634 A	20180216	LSPB	PB01	PUBLICATION
CN107708634 A	20180706		SE01	ENTRY INTO FORCE OF REQUEST FOR SUBSTANTIVE EXAMINATION

28) Family number: 7894558 (US4223677 A)

Title: **Absorbent** fibrous structure and **disposable** **diaper** including same

Abstract: An **absorbent** fibrous structure includes intermingled **absorbent** fibers of a varying length up to about 6.35 mm. These **absorbent** fibers are graded by length through the thickness of the structure so that long length **absorbent** fibers are more concentrated than shorter length **absorbent** fibers at a first surface of the structure, and the shorter length fibers are more concentrated than the longer length fibers at an opposing second surface of the structure. The grading of **absorbent** fibers by length provides a capillary gradient through the thickness of the **absorbent** structure wherein capillary pores are graded by size so that large capillary pores are more concentrated than small capillary pores at the first surface of the **absorbent** structure, and smaller capillary pores are more concentrated than larger capillary pores at the opposing second surface of the structure. The **absorbent** fibrous structure of this invention may be employed as an **absorbent** core of an improved **disposable** **diaper**. The core is **disposed** between a liquid-pervious facing sheet and a backing sheet so that the long length **absorbent** fibers are more concentrated than the shorter length fibers at the surface of the core closest the facing sheet, and the shorter length fibers are more concentrated than the longer length fibers at the surface of the core closest the backing sheet. **Absorbent** fibrous structures made according to this invention may also be suitably treated with adhesive or other materials, such as plastic, and employed as **absorbent** wipers, incontinent pads, and the like.



Classifications:
International (IPC 8-9): A61F13/00 A61F13/15 A61L15/28
International (IPC 1-7): A61F13/16
CPC: A61F13/00021 A61F13/534 A61F13/537 A61F13/53756 A61F2013/00731 A61F2013/15048 A61F2013/15536 A61F2013/15821 A61F2013/530131 A61F2013/530153 A61F2013/53445 A61F2013/53721 A61L15/28
US: 128/287 604/365 604/374 604/378 604/381

Family:

Publication number	Publication date	Application number	Application date
US4223677 A	19800923	US19790038341	19790511

Priority:
US19790038341 19790511

Probable Assignee:	SCOTT PAPER CO
Assignee(s): (std):	SCOTT PAPER CO
Assignee(s):	SCOTT PAPER COMPANY
Inventor(s): (std):	ANDERSON JAMES E

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
US4223677 A	19800923	LSGT	+	granted / extensions (spc, cpc, pte)	
US4223677 A	19800923	LSGT	PAT1	Patented Case	

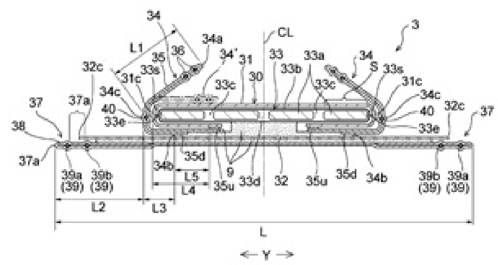
29) Family number: 62802600 (WO16104184 A1) © PatBase

Title: PULL-UP TYPE **ABSORBENT** **ARTICLE**

Abstract: Provided is a pull-up type **absorbent** **article** (1) provided with a abdomen-side sheet member, a back-side sheet member, and an **absorbent** body. The pull-up type **absorbent** **article** has, on both sides of the **absorbent** body: first leakage prevention cuffs (34) having free ends located inside the side edges of an absorption body (33); and second leakage prevention cuffs (37) having free ends extending further outward than the side edges of the absorption body (33). A front surface sheet (31) and the first leakage prevention cuffs (34) have folded-back sections (31c) folded from the skin-facing surface side of the absorption body (33) to the non-skin-facing surface side thereof. Sheet materials (35) which form the first leakage prevention cuffs (34) have, on the non-skin-facing surface side of the absorption body (33) at positions inside the side edges of the absorption body (33): upper affixed sections (35u) which are affixed to the front surface sheet (31); and lower affixed sections (35d) which are affixed to a lower sheet. The length L1, the length L2, the distance L3, and the distance L4 satisfy the relationships of (1) L1 less than or equal to L2, (2) L2 less than or equal to L1+L3, and (3) L3 less than or equal to L4.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/494 A61F13/496 A61F13/53
CPC: A61F13/15 A61F13/49 A61F13/494 A61F13/496 A61F13/53

PatBase - WO16104184_A1



Family:

Publication number	Publication date	Application number	Application date
AU2015368909 AA	20170720	AU20150368909	20151211
AU2015368909 BB	20180315	AU20150368909	20151211
AU2015368909 BI	20180405	AU20150368909	20151211
CN106999320 A	20170801	CN201580067070	20151211
CN106999320 B	20180925	CN201580067070	20151211
ID201800534 A	20180119	ID2017P0003574	20151211
IN201717020914 A	20171124	IN201717020914	20170615
JP2016120018 A2	20160707	JP20140261168	20141224
JP5960791 B2	20160802	JP20140261168	20141224
RU2639969 C1	20171225	RU20170126144	20151211
TH174961 A	20180329	TH20171003529	20151211
TH65804 B	20181024	TH20171003529	20151211
WO16104184 A1	20160630	WO2015JP84784	20151211

Priority:

JP20140261168 20141224 WO2015JP84784 20151211

Probable Assignee: KAO CORP

Assignee(s): (std): KAO CORP

Assignee(s): КАО КОРПОРЕЙШН ; □□□□ □□□□□□□□□□ ; 花王株式会社

Inventor(s): (std): ONDA AIKO

Inventor(s): ОНДА АИКО ; □□□□□ ; □□□□□□ ; 恩田 藍子 ; 恩田蓝子

Agent(s): DAVIES COLLISON CAVE PTY LTD; HATORI OSAMU; MATSUSHIMA YOSHIYUKI; OOO YURIDICHESKAYA GORODISSKIJ I PARTNERY FA; RONNY GUNAWAN SH; SHOWA INT PATENT FIRM ET AL; OOO ЮРИДИЧЕСКАЯ ФИРМА ГОРОДИССКИЙ И ПАРТНЕРЫ; □□□□□□□□□□□ □□□□□□□, □□□□□□□□□□□□□ □□□□□□□□□, □□□□□□□ □□□□□□□□, □□□□□□□□□□□ □□□□□□□, □□□□□□□□ □□□□□□□□, □□□□□□□□□□□□□ □□□□□□□□□□; 前田 秀一; 北京尚诚知识产权代理有限公司 11322; 岩本 昭久; 成瀬 源一; 松嶋 善之; 梁霄颖; 特許業務法人翔和国際特許事務所; 羽鳥 修; 龙淳

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2015368909 AA	20170720	LSPB	+	published / reissued	
AU2015368909 BB	20180315	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2015368909 BB	20351211	PEXP		Calculated Patent Term Expiry	
AU2015368909 BI	20180405	LSPB	SREP	SPECIFICATION REPUBLISHED	
AU2015368909 BI	20180712	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	

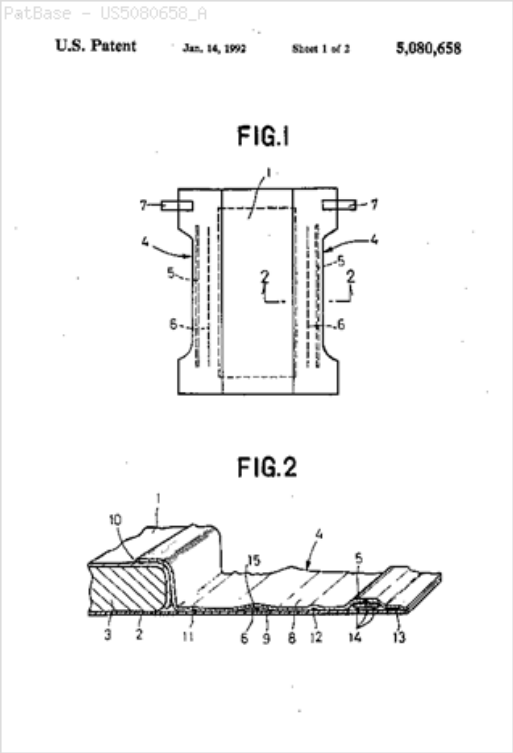
CN106999320 A	20170801	LSPB	+	published / reissued	
CN106999320 A	20170801	LSPB	PB01	PUBLICATION	
CN106999320 A	20171010		SE01	ENTRY INTO FORCE OF REQUEST FOR SUBSTANTIVE EXAMINATION	
CN106999320 B	20180925	LSGT	+	granted / extensions (spc, cpc, pte)	
CN106999320 B	20180925	LSGT	+GR01	PATENT GRANT	
CN106999320 B	20351211	PEXP		Calculated Patent Term Expiry	
ID201800534 A	20180119	LSPB	+	published / reissued	
IN201717020914 A	20171124	LSPB	+	published / reissued	
JP2016120018 A2	20160707	LSPB	+	published / reissued	
JP5960791 B2	20160502		A975	REPORT ON ACCELERATED EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A971005 Effective date: 20160428
JP5960791 B2	20160530	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP5960791 B2	20160607	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20160607 Text: JAPANESE INTERMEDIATE CODE: A01
JP5960791 B2	20160609	LSGT	+A01	特許査定書	
JP5960791 B2	20160609	LSGT	+A01	特許査定書	Effective date: 20160607
JP5960791 B2	20160628	LSFE	R100	特許料納付書	
JP5960791 B2	20160628	LSFE	R100	特許料納付書	Effective date: 20160623 Text: 51601312274
JP5960791 B2	20160701	LSGT	+R151	WRITTEN NOTIFICATION OF PATENT OR UTILITY MODEL REGISTRATION	Text: JAPANESE INTERMEDIATE CODE: R151 Ref document number: 5960791 Country of Ref document: JP
JP5960791 B2	20160701	LSGT	+R151	特許登録通知書 (一括)	
JP5960791 B2	20160701	LSGT	+R151	特許登録通知書 (一括)	Effective date: 20160712
JP5960791 B2	20160802	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5960791 B2	20190613	LSFE	R20	特許料納付書	
JP5960791 B2	20190613	LSFE	R20	特許料納付書	Text: 51901219585 Effective date: 20190610
JP5960791 B2	20190618	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5960791 B2	20190618	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5960791 B2	20190618	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20190628
JP5960791 B2	20200610	LSFE	R20	特許料納付書	Text: 52001180746 Effective date: 20200609
JP5960791 B2	20200611	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5960791 B2	20200611	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20200626
JP5960791 B2	20341224	PEXP		Calculated Patent Term Expiry	
RU2639969 C1	20171225	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2639969 C1	20351211	PEXP		Calculated Patent Term Expiry	

30) Family number: 18936280 (US5080658 A)

Title: **DISPOSABLE** **ABSORBENT** GARMENTS

Abstract: Here is disclosed a **disposable** **absorbent** garment (such as **disposable** **diaper**) comprising a liquid-permeable topsheet, a liquid-impermeable backsheet, a liquid-**absorbent** core interposed between these sheets, side flaps comprising a first sheet and a second sheet and extending outwards from opposite side edges of the core, a first elastic member incorporated into each of the side flaps at a location adjacent the outer side edge of this side flap and a second elastic member also incorporated into each of the side flaps between the associated first elastic member and a location adjacent the associated side edge of the core wherein the second elastic member is affixed only to the first sheet so that a part of the first sheet occupied by the second elastic member rises into the user's skin as the second elastic member is allowed to contract.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/494 A61F13/56 A61F5/44
International (IPC 1-7): A41B13/02 A61F13/15 A61F13/16 A61F13/18 A61F13/56 A61F5/44
CPC: A61F13/15 A61F13/49017 A61F13/4942 A61F13/49473 A61F2013/49031 A61F2013/49076 A61F2013/586
US: 604/385.1 604/385.2 604/385.27



Family:

Publication number	Publication date	Application number	Application date
AU198930078 A1	19890824	AU19890030078	19890217
AU614114 B2	19910822	AU19890030078	19890217
CA1315485 A1	19930406	CA19890591375	19890217
DE68909269 D1	19931028	DE19896009269T	19890217
DE68909269 T2	19940505	DE19896009269T	19890217
EP0329160 A2	19890823	EP19890102766	19890217
EP0329160 A3	19900117	EP19890102766	19890217
EP0329160 B1	19930922	EP19890102766	19890217
GB2215986 A1	19891004	GB19890003822	19890220
GB2215986 B2	19920617	GB19890003822	19890220
GB8903822 A0	19890405	GB19890003822	19890220
JP1213402 A2	19890828	JP19880036604	19880219
JP2059783 C3	19960610	JP19880036604	19880219
JP7093937 B4	19951011	JP19880036604	19880219
KR890016959 U	19890906	KR19890001725U	19890218
KR940006675 Y1	19940928	KR19890001725U	19890218
NZ228062 A	19901221	NZ19890228062	19890220
PH25700 A	19910918	PH19890038216	19890217
US5080658 A	19920114	US19900538766	19900615

Priority:
JP19880036604 19880219 JP20510036604 19880219 CA19890591375 19890217

Probable Assignee: UNI CHARM CORP
Assignee(s): (std): UNI CHARM CORP
Assignee(s): IGAUE TAKAMITSU ; INOUE KOHJI ; UNI CHARM CO ; UNI CHARM CO LTD ; UNI CHARM CORP KAWANOE EHIME JP ; 유니참 가부시기가이샤
Inventor(s): (std): IGAKAMI TAKAMITSU ; IGAUE TAKAMITSU ; INOUE KHOJI ; INOUE KOHJI ; INOUE YASUJI ; INOUE YASUSHI
Inventor(s): IGAUE TAKAMITSU KAWANOE SHI EHIME KEN JP ; INOUE KOHJI UMA GUN EHIME KEN JP ; KOHJI INOUE ; TAKAMITSU IGAUE ; 井上 康司 ; 伊賀上 隆光 ; 이가카미 다카미쓰 ; 이노우에 야수지
Agent(s): OGILVY RENAULT LLP SENCRL SRL; PHILLIPS ORMONDE FITZPATRICK; 나영환; 안진석; 윤동열
Designated states: DE FR IT SE

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU198930078 A1	19890824	LSPB	+	published / reissued	
AU614114 B2	19910822	LSGT	+	granted / extensions (spc, cpc, pte)	
AU614114 B2	20090217	PEXP		Calculated Patent Term Expiry	
CA1315485 A1	19930406	LSGT	+	granted / extensions (spc, cpc, pte)	
CA1315485 A1	20070410	LSLE	-MKLA	LAPSED	
CA1315485 A1	20100406	PEXP		Calculated Patent Term Expiry	
DE68909269 D1	19941020	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE68909269 D1	20061214	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE68909269 T2	19940505	LSGT	+	granted / extensions (spc, cpc, pte)	
DE68909269 T2	19941020	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE68909269 T2	20061214	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
EP0329160 A2	19890823	LSPB	+	published / reissued	
EP0329160 A2	19890823		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: DE FR IT SE
EP0329160 A3	19900117		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A3 Country of Ref document: DE FR IT SE
EP0329160 A3	19900314	LSRE	RHK1	MAIN CLASSIFICATION (CORRECTION)	ClassificationScheme: IPC ClassificationSymbol: A41B 13/02
EP0329160 A3	19900404	LSES	16A	NEW DOCUMENTS DESPATCHED TO APPLICANT AFTER PUBLICATION OF THE SEARCH REPORT	
EP0329160 A3	19900912	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 19900716
EP0329160 A3	19920603	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 19920422
EP0329160 B1	19930922	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0329160 B1	19930922		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: DE FR IT SE
EP0329160 B1	19931028		REF	CORRESPONDS TO:	Date of Ref document: 19931028 Ref document number: 68909269 Country of Ref document: DE
EP0329160 B1	19931206		+ITF	IT: TRANSLATION FOR A EP PATENT FILED	Owner: JACOBACCI CASETTA & PERANI S.P.A. PartyType: owner
EP0329160 B1	19940128		+ET	FR: TRANSLATION FILED	
EP0329160 B1	19940914	LSGT	+26N	NO OPPOSITION FILED	
EP0329160 B1	19950131	LSGT	+EAL	SE: EUROPEAN PATENT IN FORCE IN SWEDEN	Ref country code: EP Text: 89102766.6

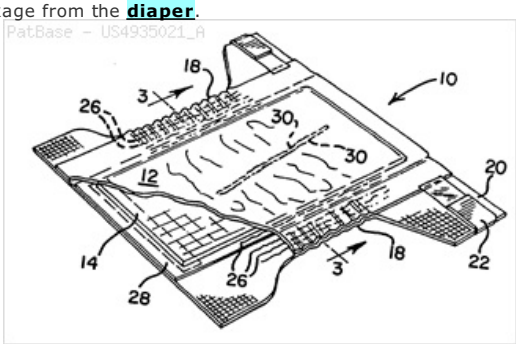
EP0329160 B1	20040210	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20040210 Year of fee payment: 16 Country of Ref document: FR
EP0329160 B1	20050204	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20050204 Year of fee payment: 17 Country of Ref document: SE
EP0329160 B1	20050210	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20050210 Year of fee payment: 17 Country of Ref document: DE
EP0329160 B1	20050217	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20050217 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IT
EP0329160 B1	20050217	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20050217 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES;WARNING: LAPSES OF ITALIAN PATENTS WITH EFFECTIVE DATE BEFORE 2007 MAY HAVE OCCURRED AT ANY TIME BEFORE 2007. THE CORRECT EFFECTIVE DATE MAY BE DIFFERENT FROM THE ONE RECORDED. Country of Ref document: IT
EP0329160 B1	20051031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20051031 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: FR
EP0329160 B1	20051202	LSLE	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20051031 Ref country code: FR Ref legal event code: ST
EP0329160 B1	20060218	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060218 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: SE
EP0329160 B1	20060901	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060901 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: DE
EP0329160 B1	20061024	LSLE	-EUG	SE: EUROPEAN PATENT HAS LAPSED	Ref country code: EP
EP0329160 B1	20090217	PEXP		Calculated Patent Term Expiry	
GB2215986 A1	19891004	LSPB	+	published / reissued	
GB2215986 B2	19920617	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2215986 B2	20051012	LSLE	-PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Effective date: 20050220
GB2215986 B2	20090220	PEXP		Calculated Patent Term Expiry	

31) Family number: 3485483 (US4935021 A)

Title: **Disposal** **diaper** with center gathers

Abstract: An **absorbent** **article** embodied as a **disposable** **diaper** construction has been particularly configured for improved fit and comfort by the provision of a center gathering arrangement. In the illustrated embodiments, the **diaper** includes an **absorbent** panel structure which is positioned between associated facing and backing layers, and further includes an arrangement of one or more elastic elements which extend longitudinally of the **diaper**. By this arrangement, a longitudinal gathering force is created on the **absorbent** panel of the **diaper**, whereby the **diaper** is shortened to improve its fit, thus enhancing comfort for the wearer as well as inhibiting leakage from the **diaper**.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/56
International (IPC 1-7): A61F13/15 A61F13/16
CPC: A61F13/15585 A61F13/49011 A61F13/491 A61F13/5323 A61F13/539 A61F2013/4575 A61F2013/4581 A61F2013/49031 A61F2013/49076 A61F2013/51409 A61F2013/51415 A61F2013/530481 A61F2013/530496 A61F2013/5307 A61F2013/53721 A61F2013/583
US: 604/385.1 604/385.26



Family:

Publication number	Publication date	Application number	Application date
CA1335526 A1	19950516	CA19890614682	19890929
US4935021 A	19900619	US19880263260	19881027
WO9004374 A1	19900503	WO1989US04782	19891026

Priority:
US19880263260 19881027 CA19890614682 19890929 US19890263260 19891027

Probable Assignee: PARAGON TRADE BRANDS INC
Assignee(s): (std): MCNEIL PPC INC
Assignee(s): CHASE MANHATTAN BANK AGENT AS ; CHASE MANHATTAN BANK AS AGENT ; CITICORP USA INC ; HUFFMAN GLORIA ; JP MORGAN CHASE BANK NA ; JPMORGAN CHASE NA ; MCNEIL PPC INC A NJ CORP ; PARAGON TRADE BRANDS INC ; PARAGON TRADE BRANDS LLC ; PIENIAK HEINZ A ; PPC MCNEIL INC ; PPC MCNEIL INC A NJ CORP
Inventor(s): (std): HUFFMAN GLORIA ; PIENIAK HEINZ A
Agent(s): FETHERSTONHAUGH AND CO
Designated states: AT BE CH DE FR GB IT JP LU NL SE

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CA1335526 A1	19950516	LSGT	+	granted / extensions (spc, cpc, pte)	
CA1335526 A1	20120516	PEXP		Calculated Patent Term Expiry	
CA1335526 A1	20120516	LSLE	-MKEX	EXPIRY	
US4935021 A	19900112	LSAS	AS	ASSIGNMENT	PartyType: owner Effective date: 19891211 OldParty: ASSIGNMENT OF ASSIGNORS INTEREST.;ASSIGNORS:HUFFMAN, GLORIA;PIENIAK, HEINZ A.;REEL/FRAME:005194/0901 Owner: PPC-MCNEIL, INC., A NJ CORP., NEW JERSEY
US4935021 A	19900423	LSAS	AS	ASSIGNMENT	Effective date: 19891211 OldParty: TO CORRECT THE NAME OF ASSIGNEE IN A PREVIOUSLY RECORDED ASSIGNMENT; RECORDED JAN. 12, 1990, AT REEL 5194, FRAME 901. ASSIGNOR HEREBY CONFIRMS THE ENTIRE RIGHT TITLE AND INTEREST.;ASSIGNORS:HUFFMAN, GLORIA;PIENIAK, HEINZ A.;REEL/FRAME:005305/0130 Owner: MCNEIL-PPC, INC., A NJ CORP., NEW JERSEY PartyType: owner
US4935021 A	19900425	LSGT	PAT1	Patented Case	
US4935021 A	19900425	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE

US4935021 A	19900619	LSGT	+	granted / extensions (spc, cpc, pte)	
US4935021 A	19931027	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US4935021 A	19940912	LSAS	AS	ASSIGNMENT	Owner: PARAGON TRADE BRANDS, INC., WASHINGTON PartyType: owner OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:MCNEIL-PPC, INC.;REEL/FRAME:007124/0361 Effective date: 19940818
US4935021 A	19970929	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 8
US4935021 A	19980126	LSAS	AS	ASSIGNMENT	Owner: CHASE MANHATTAN BANK, AS AGENT, THE, NEW YORK PartyType: owner Effective date: 19980107 OldParty: SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:008989/0159
US4935021 A	20000211	LSAS	AS	ASSIGNMENT	OldParty: SECURITY AGREEMENT;ASSIGNORS:PARAGON TRADE BRANDS, INC.;PTB INTERNATIONAL, INC.;PTB HOLDINGS, INC.;REEL/FRAME:010628/0096 Owner: CITICORP USA, INC., NEW YORK PartyType: owner Effective date: 20000127
US4935021 A	20011218	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 12
US4935021 A	20020109		REMI	MAINTENANCE FEE REMINDER MAILED	
US4935021 A	20080417	LSAS	AS	ASSIGNMENT	Effective date: 20080417 Owner: CHASE MANHATTAN BANK, THE, AS AGENT, NEW YORK PartyType: owner OldParty: RELEASE OF SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:020817/0030
US4935021 A	20080418	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:020837/0021 Owner: CITICORP USA, INC., NEW YORK PartyType: owner Effective date: 20080417
US4935021 A	20080708	LSAS	AS	ASSIGNMENT	Effective date: 20080418 Owner: JP MORGAN CHASE BANK, N.A., ILLINOIS OldParty: SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:021205/0378 PartyType: owner
US4935021 A	20080708	LSAS	AS	ASSIGNMENT	Effective date: 20080418 Owner: JP MORGAN CHASE BANK, N.A.,ILLINOIS OldParty: SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:021205/0378 PartyType: owner
US4935021 A	20081027	PEXP		Calculated Patent Term Expiry	
US4935021 A	20090121	LSAS	AS	ASSIGNMENT	PartyType: owner Effective date: 20081219 OldParty: CONVERSION AND CHANGE OF NAME;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:022177/0138 Owner: PARAGON TRADE BRANDS, LLC, NEW YORK
US4935021 A	20090121	LSAS	AS	ASSIGNMENT	OldParty: CONVERSION AND CHANGE OF NAME;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:022177/0138 Owner: PARAGON TRADE BRANDS, LLC,NEW YORK PartyType: owner Effective date: 20081219
US4935021 A	20110929	LSAS	AS	ASSIGNMENT	Effective date: 20110629 Owner: JPMORGAN CHASE, N.A., ILLINOIS OldParty: SECURITY AGREEMENT;ASSIGNORS:FIRST QUALITY BABY PRODUCTS, LLC;FIRST QUALITY ENTERPRISES, INC.;FIRST QUALITY NONWOVENS, INC.;AND OTHERS;REEL/FRAME:026994/0359 PartyType: owner
WO9004374 A1	19900503	LSPB	+	published / reissued	
WO9004374 A1	19900503		+AK	DESIGNATED STATES	Kind code of Ref document: A1 Country of Ref document: JP
WO9004374 A1	19900503		+AL	DESIGNATED COUNTRIES	Kind code of Ref document: A1 Country of Ref document: AT BE CH DE FR GB IT

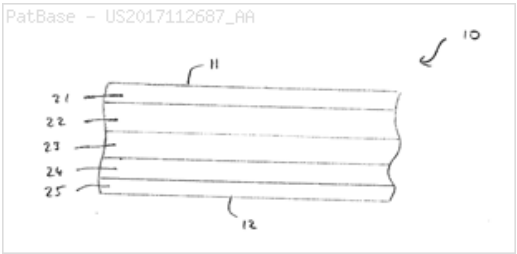
	FOR REGIONAL PATENTS	LU NL SE

32) Family number: 65489230 (US2017112687 AA)

Title: COMPOSTABLE **DIAPER** AND METHOD OF MANUFACTURING THEREOF

Abstract: A **diaper** comprising a biodegradable top sheet, a biodegradable **absorbent** core and a biodegradable bottom sheet, wherein the bottom sheet is liquid impervious and wherein the top sheet is configured for transmission of bodily fluids to the **absorbent** core. The **absorbent** core comprises a first and a second non-woven layer comprising pulp fibers, and in between thereof a composting-stimulating layer comprising charcoal.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/505 A61F13/53 A61F13/84 A61L15/62 B32B21/08 B32B37/06 B32B5/02
CPC: A61F13/15252 A61F13/15585 A61F13/49 A61F13/505 A61F13/53 A61F2013/1526 A61F2013/49098 A61F2013/530007 A61F2013/530343 A61F2013/530364 A61F2013/842 A61L15/62 B32B21/08 B32B2262/067 B32B2307/7265 B32B2555/02 B32B37/06 B32B5/022
US: 1/1 604/374



Family:

Publication number	Publication date	Application number	Application date
DE602015031605 D1	20190704	DE201560031605T	20151025
EP3158982 A1	20170426	EP20150003048	20151025
EP3158982 B1	20190612	EP20150003048	20151025
US10391004 BB	20190827	US20160332891	20161024
US2017112687 AA	20170427	US20160332891	20161024

Priority:
EP20150003048 20151025

Probable Assignee: ZERI EUROPE FOUNDATION FOR A BLUE ECONOMY VZW
Assignee(s): (std): ZERI EUROPE FOUND FOR A BLUE ECONOMY VZW ; ZERI EUROPE FOUNDATION FOR A BLUE ECONOMY VZW
Inventor(s): (std): PAULI GUNTER
Agent(s): COOK ALEX LTD; NOLLEN MAARTEN DIRK JOHAN
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE602015031605 D1	20181026		R079	AMENDMENT OF IPC MAIN CLASS	ClassificationSymbol: A61F0013505000 Text: PREVIOUS MAIN CLASS: A61F0013505000 ClassificationScheme: IPC
EP3158982 A1	20170426	LSPB	+	published / reissued	
EP3158982 A1	20170426		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP3158982 A1	20170426		+AV	REQUEST FOR VALIDATION OF THE EUROPEAN PATENT	Country of Ref document: MA
EP3158982 A1	20170426		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: BA ME
EP3158982 A1	20171206	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20171025
EP3158982 A1	20171206		+RBV	DESIGNATED CONTRACTING STATES (CORRECTED)	Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP3158982 A1	20180103	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20171208
EP3158982 A1	20180530		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61L 15/62 20060101ALI20180426BHEP
EP3158982 A1	20180530		RIC1	INFORMATION PROVIDED ON	ClassificationSymbol: A61F 13/505 20060101AFI20180426BHEP

				IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC
EP3158982 A1	20180530		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/84 20060101ALN20180426BHEP
EP3158982 A1	20180530		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALI20180426BHEP
EP3158982 A1	20180627	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20180531
EP3158982 A1	20181121		INTC	INTENTION TO GRANT ANNOUNCED (DELETED)	
EP3158982 A1	20181205		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/505 20060101AFI20181026BHEP ClassificationScheme: IPC
EP3158982 A1	20181205		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/84 20060101ALN20181026BHEP ClassificationScheme: IPC
EP3158982 A1	20181205		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALI20181026BHEP
EP3158982 A1	20181205		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61L 15/62 20060101ALI20181026BHEP
EP3158982 A1	20181219	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20181119
EP3158982 B1	20190612	LSGT	+	granted / extensions (spc, cpc, pte)	
EP3158982 B1	20190612		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP3158982 B1	20190612	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP3158982 B1	20190614	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP3158982 B1	20190615	LSNP	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20190615 Ref country code: AT Ref document number: 1141637 Ref legal event code: REF Kind code of Ref document: T Country of Ref document: AT
EP3158982 B1	20190704	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref legal event code: R096 Ref document number: 602015031605 Country of Ref document: DE
EP3158982 B1	20190710	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP3158982 B1	20191016		REG	REFERENCE TO A NATIONAL CODE	Effective date: 20190612 Ref country code: NL Ref legal event code: MP
EP3158982 B1	20191025	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: LT Ref legal event code: MG4D
EP3158982 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190612 Country of Ref document: LT
EP3158982 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190612 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP3158982 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190612 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: HR
EP3158982 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20190612 Country of Ref document: SE
EP3158982 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20190612 Country of Ref document: AL
EP3158982 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190912 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NO
EP3158982 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190919 Year of fee payment: 5 Country of Ref document: FR
EP3158982 B1	20191129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190612 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RS
EP3158982 B1	20191129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20190612 Country of Ref document: LV
EP3158982 B1	20191129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20190913 Country of Ref document: GR

				NATIONAL OFFICE TO EPO]	
EP3158982 B1	20191129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20190912 Country of Ref document: BG
EP3158982 B1	20191129	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 5 Payment date: 20190918 Country of Ref document: BE
EP3158982 B1	20191231	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190916 Year of fee payment: 5 Country of Ref document: GB
EP3158982 B1	20200115	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20190612 Ref legal event code: MK05 Ref country code: AT Kind code of Ref document: T Ref document number: 1141637 Country of Ref document: AT
EP3158982 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190612 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NL
EP3158982 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190612 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP3158982 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20191014 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP3158982 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190612 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP3158982 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20190612 Country of Ref document: SK
EP3158982 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190612 Country of Ref document: RO
EP3158982 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190612 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP3158982 B1	20200131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20191025 Year of fee payment: 5 Country of Ref document: DE
EP3158982 B1	20200228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190612 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP3158982 B1	20200228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190612 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SM
EP3158982 B1	20200228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20191012 Country of Ref document: IS
EP3158982 B1	20200228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190612 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP3158982 B1	20200313	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R097 Ref document number: 602015031605 Ref country code: DE Country of Ref document: DE
EP3158982 B1	20200331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20190612 Country of Ref document: TR
EP3158982 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190612 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP3158982 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	Lapsed date: 20190612 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A

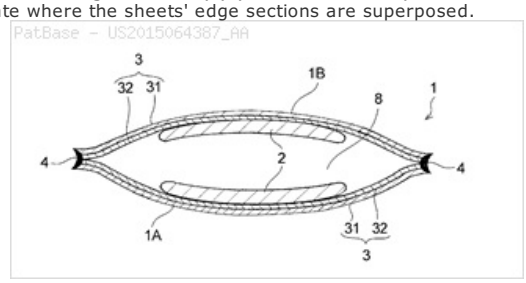
				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL
EP3158982 B1	20200520	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20200313
EP3158982 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20190612 Country of Ref document: MC
EP3158982 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20190612 Country of Ref document: SI
EP3158982 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20200224 Country of Ref document: IS
EP3158982 B1	20200529	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PL Ref country code: CH
EP3158982 B1	20200730		PG2D	INFORMATION ON LAPSE IN CONTRACTING STATE DELETED	
EP3158982 B1	20200731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20191031 Country of Ref document: LI
EP3158982 B1	20200731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20191025 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LU
EP3158982 B1	20200731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20191031 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP3158982 B1	20351025	PEXP		Calculated Patent Term Expiry	
US10391004 BB	20190827	LSGT	+	granted / extensions (spc, cpc, pte)	
US10391004 BB	20370609	PEXP		Calculated Patent Term Expiry (PTA 228 days)	

US2017112687 AA	20170103	LSAS	AS	ASSIGNMENT	Owner: ZERI EUROPE - FOUNDATION FOR A BLUE ECONOMY VZW, B PartyType: owner Effective date: 20160712 OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:PAULI, GUNTER;REEL/FRAME:040829/0717
US2017112687 AA	20170301		RFE1	Docketed New Case - Ready for Examination	
US2017112687 AA	20170427	LSPB	+	published / reissued	
US2017112687 AA	20180807	LSES	NFA1	Non Final Action Mailed	
US2017112687 AA	20181121	LSES	NFA1	Non Final Action Mailed	
US2017112687 AA	20190310		RSP4	Response to Non-Final Office Action Entered and Forwarded to Examiner	
US2017112687 AA	20190310		STPP	INFORMATION ON STATUS: PATENT APPLICATION AND GRANTING PROCEDURE IN GENERAL	Text: RESPONSE TO NON-FINAL OFFICE ACTION ENTERED AND FORWARDED TO EXAMINER
US2017112687 AA	20190412	LSES	NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017112687 AA	20190412		STPP	INFORMATION ON STATUS: PATENT APPLICATION AND GRANTING PROCEDURE IN GENERAL	Text: NOTICE OF ALLOWANCE MAILED -- APPLICATION RECEIVED IN OFFICE OF PUBLICATIONS
US2017112687 AA	20190717	LSFE	PPV1	Publications -- Issue Fee Payment Verified	
US2017112687 AA	20190717		STPP	INFORMATION ON STATUS: PATENT APPLICATION AND GRANTING PROCEDURE IN GENERAL	Text: PUBLICATIONS -- ISSUE FEE PAYMENT VERIFIED
US2017112687 AA	20190807	LSGT	PAT1	Patented Case	
US2017112687 AA	20190807	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE

33) Family number: 55188327 (US2015064387 AA)

Title: METHOD FOR MANUFACTURING FUSED SHEETS

Abstract: One surface of a belt-shaped sheet laminate (10) (continuous **diaper** strip), in which a plurality of sheets are laminated, is made to abut against a support member (21) having a light passage section (27) through which a laser beam (30) can pass, and the belt-shaped sheet laminate (10) which is in a pressurized state is irradiated, from the support member (21) side via the light passage section (27), with a laser beam (30) having a wavelength that is **absorbed** by the sheets constituting the sheet laminate (10) and that causes the sheets to generate heat, and thus, the belt-shaped sheet laminate (10) is cut and separated and, simultaneously, cut edge sections created, by the cutting/separation, in the plurality of sheets which are in the pressurized state are fusion-bonded together. Thus, sealed edge sections (4) (side seal sections) are formed by fusion-bonding the edge sections of the plurality of sheets in a state where the sheets' edge sections are superposed.



Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/496 A61F13/56 A61F5/44 B23K103/00 B23K103/16 B23K26/06 B23K26/073 B23K26/08 B23K26/082 B23K26/32 B23K26/324 B23K26/38 B23K26/40 B23K26/402 B29C65/00 B29C65/16 B29C65/74 B29L31/48 B29L9/00 B32B37/00 B32B37/04 B32B38/00 B32B38/10 B32B7/04
International (IPC 1-7): A61F13/15 B29C65/16
CPC: A61F13/15 A61F13/15585 A61F13/15739 A61F13/565 A61F2013/15861 A61F2013/15878 A61F2013/15918 B23K2103/172 B23K2103/42 B23K2103/50 B23K26/06 B23K26/073 B23K26/082 B23K26/083 B23K26/0838 B23K26/32 B23K26/38 B23K26/40 B23K26/402 B29C65/16 B29C65/1619 B29C65/1648 B29C65/1658 B29C65/1661 B29C65/1696 B29C65/74 B29C65/7473 B29C66/1122 B29C66/137 B29C66/431 B29C66/71 B29C66/723 B29C66/72941 B29C66/7392 B29C66/73921 B29C66/81811 B29C66/8221 B29C66/8222 B29C66/82263 B29C66/8324 B29C66/83433 B29C66/83435 B29L2031/4878 B32B2250/02 B32B2310/0843 B32B2555/02 B32B37/0046 B32B37/0076 B32B38/0004 B32B7/05 Y10T156/1054 Y10T156/1313 Y10T428/19 B29K2023/06 B29K2023/12 B29K2067/003
US: 1/1 156/251 156/515 428/57

Family:

Publication number	Publication date	Application number	Application date
BR112014023714 A2	20170620	BR20141123714	20130514
BR112014023714 A8	20170725	BR20141123714	20130514
CN104203544 A	20141210	CN201380017378	20130514
CN104203544 B	20180508	CN201380017378	20130514
DE602013040886 D1	20180823	DE201360040886T	20130514
EP2813347 A1	20141217	EP20130790158	20130514
EP2813347 A4	20151202	EP20130790158	20130514
EP2813347 B1	20180725	EP20130790158	20130514
ID201601498 A	20160318	ID2014P0005799	20130514
IN07568DN2014 A	20160831	IN2014DN07568	20140909
JP2013256109 A2	20131226	JP20130098113	20130508
JP2013256133 A2	20131226	JP20130187621	20130910
JP2014168904 A2	20140918	JP20130042228	20130304
JP5368646 B1	20131218	JP20130042228	20130304
JP5368653 B1	20131218	JP20130098113	20130508
JP6140582 B2	20170531	JP20130187621	20130910
KR102098555 B1	20200408	KR20147025404	20130514
KR20150013436 A	20150205	KR20147025404	20130514
RU2014149773 A	20160710	RU20140149773	20130514
RU2624293 C2	20170703	RU20140149773	20130514
TH148055 A	20160321	TH20141006712	20130514
TW201350312 A	20131216	TW20130117443	20130516
TWI576230 B	20170401	TW20130117443	20130516
US2015064387 AA	20150305	US20130390966	20130514
US9642751 BB	20170509	US20130390966	20130514
VN20807 A1	20190425	VN20140003822	20141117
WO13172343 A1	20131121	WO2013JP63418	20130514

Priority:

JP20120112263 20120516 JP20130042228 20130304 JP20130098113 20130508
WO2013JP63418 20130514 EP20130790158 20130514 JP20130187621 20130910

Probable Assignee: KAO CORP

Assignee(s): (std): KAO CORP ; KAO KORPOREJSHN

Assignee(s): KAO КОРПОРЕЙШН ; □□□□ □□□□□□□□□□ ; 花王株式会社 ; 花王股份有限公司 ; 카오카부시키가이샤

Inventor(s): (std): HAMAMOTO SHINJI ; IMAI KODZI ; IMAI KOJI ; IMAI YASUJI ; KHAMAMOTO SINDZI ; KOKUBO MAKOTO ; MORITA AKIO ; YANAJIMA TAKUO ; YANASHIMA TAKUO ; YANASIMA TAKUO

Inventor(s): AKIO MORITA ; KOJI IMAI ; MAKOTO KOKUBO ; SHINJI HAMAMOTO ; TAKUO YANASHIMA ; ИМАИ КОДЗИ ; КОКУБО МАКОТО ; МОРИТА АКИО ; ХАМАМОТО СИНДЗИ ; ЯНАСИМА ТАКУО ; □□□ ; □□□□□□□ □□□□□□□□□ ; □□□□□□□□ ; □□□□□□ ; □□□□ ; □□□□□□□□□□ ; □□□□□□ ; □□□ ; □□□□□ ; 今井 康至 ; 小久保 真 ; 梁岛拓郎 ; 梁島 拓郎 ; 森田 晃央 ; 浜本 伸二 ; 濱本伸二 ; 고쿠보 마코토 ; 모리타 아키오 ; 야나시마 다쿠오 ; 이마이 고지 ; 하마모토 신지

Agent(s): BIRCH STEWART KOLASCH AND BIRCH LLP; CONG TY CỔ PHẦN HỖ TRỢ PHAT TRIỂN CONG NGHỆ DETECH; HATORI OSAMU; HATORI OSAMU ET AL; MATSUSHIMA YOSHIYUKI; RONNY GUNAWAN SH; VOSSIUS AND PARTNER; VOSSIUS AND PARTNER PATENTANWAELTE RECHTSANWAELTE MBB; □□□□□□□□□□□ □□□□□□□□, □□□□□□□□□□□□□□□ □□□□□□□□□□, □□□□□□□□ □□□□□□□□; 北京尚诚知识产权代理有限公司 11322; 松嶋 善之; 特許業務法人翔和国際特許事務所; 羽鳥 修; 陳長文; 龙淳; 특허법인코리아나

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN104203544 A	20141210	LSPB	+	published / reissued	
CN104203544 A	20141210	LSPB	+C06	PUBLICATION	
CN104203544 A	20150429		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN104203544 B	20180508	LSGT	+	granted / extensions (spc, cpc, pte)	
CN104203544 B	20180508	LSGT	+GR01	PATENT GRANT	
CN104203544 B	20330514	PEXP		Calculated Patent Term Expiry	
DE602013040886 D1	20180309		R079	AMENDMENT OF IPC MAIN CLASS	ClassificationScheme: IPC ClassificationSymbol: B29C0065160000 Text: PREVIOUS MAIN CLASS: B29C0065160000
EP2813347 A1	20141217	LSPB	+	published / reissued	
EP2813347 A1	20141217	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20140910
EP2813347 A1	20141217		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2813347 A1	20141217		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: BA ME
EP2813347 A1	20150819		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2813347 A4	20151202	LSES	+RA4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED (CORRECTED)	Effective date: 20151102
EP2813347 A4	20151202		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B29C 65/74 20060101ALI20151026BHEP
EP2813347 A4	20151202		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B23K 26/06 20140101ALI20151026BHEP
EP2813347 A4	20151202		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B23K 26/38 20140101ALI20151026BHEP
EP2813347 A4	20151202		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B23K 26/32 20140101ALI20151026BHEP
EP2813347 A4	20151202		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B23K 26/073 20060101ALI20151026BHEP
EP2813347 A4	20151202		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B29L 31/48 20060101ALN20151026BHEP
EP2813347 A4	20151202		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALI20151026BHEP
EP2813347 A4	20151202		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B29L 9/00 20060101ALN20151026BHEP
EP2813347 A4	20151202		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B29C 65/16 20060101AFI20151026BHEP
EP2813347 A4	20171025	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20170921

EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B29C 65/74 20060101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B23K 26/06 20140101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B29L 31/48 20060101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B23K 26/40 20140101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B23K 26/32 20140101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B32B 37/00 20060101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B29C 65/16 20060101AFI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B23K 103/00 20060101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B23K 26/08 20140101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B32B 7/04 20060101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B32B 38/00 20060101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B23K 26/073 20060101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/56 20060101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B23K 26/38 20140101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B29C 65/00 20060101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B23K 26/082 20140101ALI20180309BHEP
EP2813347 A4	20180418		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B23K 103/16 20060101ALI20180309BHEP
EP2813347 A4	20180425	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20180329
EP2813347 B1	20180725	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2813347 B1	20180725		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2813347 B1	20180725	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	Owner: KAO CORPORATION PartyType: owner
EP2813347 B1	20180725	LSGT	REG	REFERENCE TO A	Ref country code: GB

				NATIONAL CODE	Ref legal event code: FG4D
EP2813347 B1	20180731	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP2813347 B1	20180815	LSNP	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20180815 Kind code of Ref document: T Ref country code: AT Ref document number: 1021292 Ref legal event code: REF Country of Ref document: AT
EP2813347 B1	20180822	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP2813347 B1	20180823	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602013040886 Ref legal event code: R096 Country of Ref document: DE
EP2813347 B1	20181009		REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: TRGR
EP2813347 B1	20181128		REG	REFERENCE TO A NATIONAL CODE	Effective date: 20180725 Ref country code: NL Ref legal event code: MP
EP2813347 B1	20181210	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: LT Ref legal event code: MG4D
EP2813347 B1	20181231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NL
EP2813347 B1	20190115	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20180725 Kind code of Ref document: T Ref country code: AT Ref document number: 1021292 Ref legal event code: MK05 Country of Ref document: AT
EP2813347 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP2813347 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20181125 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP2813347 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20181025 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NO
EP2813347 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP2813347 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20181025 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BG
EP2813347 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20181026 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP2813347 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF

				INFORMATION FROM NATIONAL OFFICE TO EPO]	THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RS
EP2813347 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LT
EP2813347 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL
EP2813347 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AL
EP2813347 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LV
EP2813347 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: HR
EP2813347 B1	20190426	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602013040886 Ref legal event code: R097 Country of Ref document: DE
EP2813347 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP2813347 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP2813347 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP2813347 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP2813347 B1	20190531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP2813347 B1	20190531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SM

EP2813347 B1	20190531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP2813347 B1	20190703	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20190426
EP2813347 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190527 Year of fee payment: 7 Country of Ref document: IT
EP2813347 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190430 Year of fee payment: 7 Country of Ref document: DE
EP2813347 B1	20190830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP2813347 B1	20190830	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190513 Year of fee payment: 7 Country of Ref document: SE
EP2813347 B1	20191230	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP2813347 B1	20200129	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Effective date: 20190514 Ref country code: EP
EP2813347 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190531 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP2813347 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MC
EP2813347 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190531 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LI
EP2813347 B1	20200205		REG	REFERENCE TO A NATIONAL CODE	Effective date: 20190531 Ref country code: BE Ref legal event code: MM
EP2813347 B1	20200228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190514 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LU
EP2813347 B1	20200331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180725 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP2813347 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190514 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: GB
EP2813347 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE	Lapsed date: 20190514 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE

				TO EPO]	
EP2813347 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190531 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: BE
EP2813347 B1	20200630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190531 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: FR
EP2813347 B1	20200630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20181125 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP2813347 B1	20200731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20200428 Year of fee payment: 8 Country of Ref document: DE
EP2813347 B1	20330514	PEXP		Calculated Patent Term Expiry	
ID201601498 A	20160318	LSPB	+	published / reissued	
IN07568DN2014 A	20160831	LSPB	+	published / reissued	

34) Family number: 53697624 (US2015223994 AA) © PatBase

Title: PANTS-TYPE WEARING **ARTICLE**

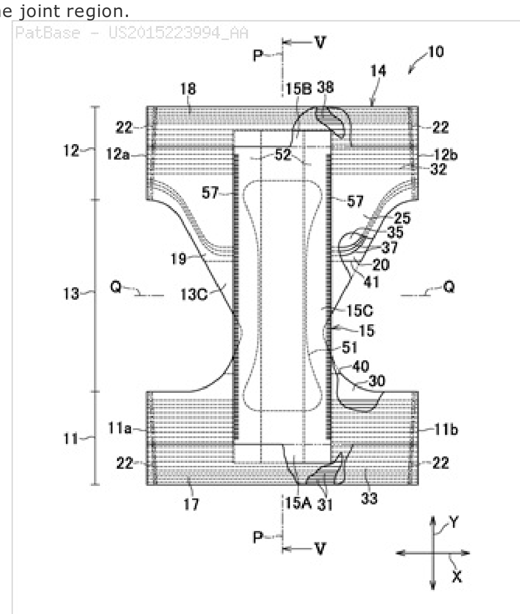
Abstract: A pants-type wearing **article** in which at least a central segment of a crotch region has a desired degree of flexibility and a portion of a crotch region close to a front waist region has a desired degree of tensile strength. The front and rear waist regions and at least a portion of the crotch region close to the front waist region define a multilayer zone composed of a base sheet and a front waist sheet layered with each other and a central segment of the crotch region defines a monolayer zone formed of the base sheet alone. The multilayer zone includes corners each surrounded by a boundary, an inner end of the front waist region, a joint region in which a liquid-**absorbent** structure is bonded to a chassis and a concave lateral edge of the crotch region and the boundary extends across the joint region.

Classifications:

International (IPC 8-9): A61F13/00 A61F13/15 A61F13/49 A61F13/496 A61F13/514 A61F13/515 A61F13/539 A61F13/551

CPC: A61F13/496 A61F13/515 A61F13/539

US: 1/1 604/385.01 604/385.29



Family:

Publication number	Publication date	Application number	Application date
AU2012387304 AA	20150205	AU20120387304	20121010
AU2012387304 BB	20180222	AU20120387304	20121010
CN103179935 A	20130626	CN201280002218	20121010
CN103179935 B	20140813	CN201280002218	20121010
DE602012034897 D1	20170831	DE201260034897T	20121010
EP2883522 A1	20150617	EP20120882709	20121010
EP2883522 A4	20160323	EP20120882709	20121010
EP2883522 B1	20170719	EP20120882709	20121010
IN11118DN2014 A	20150925	IN2014DN11118	20141226
JP2014050413 A2	20140320	JP20120188064	20120828
JP5186058 B1	20130417	JP20120188064	20120828
TH140706 A	20150529	TH20121006621	20121010
TH63400 B	20180703	TH20121006621	20121010
TW201325573 A	20130701	TW20120145619	20121205
TWI414281 B	20131111	TW20120145619	20121205
US2015223994 AA	20150813	US20120420216	20121010
US9480607 BB	20161101	US20120420216	20121010
WO14024326 A1	20140213	WO2012JP76171	20121010

Priority:

JP20120175438 20120807 JP20120188064 20120807 JP20120188064 20120828
WO2012JP76171 20121010 EP20120882709 20121010

Probable Assignee: UNICHARM CORP

Assignee(s): (std): UNI CHARM CORP ; UNI CHARM LTD ; UNICHARM CORP A CORP ; UNIV CHOARM CORP

Assignee(s): UNI CHARM CO LTD ; UNI CHOARM CORP ; UNICHARM A CORP ; UNICHARM SHIKOKUCHUO SHI CORP ; □□□□□□ □□□□□□□□□ ; □□□□□□ □□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□ 30 □□□□ ; ユニ チャーム株式会社 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司

Inventor(s): (std): ICHIKAWA MAKOTO ; TAGAWA NOBUHIRO

Inventor(s): □□□□□□□□□□ □□□□□□ ; □□□□□□□□□ □□□□□□ ; 多川 信弘 ; 市川 誠 ; 市川诚

Agent(s): BRINKS GILSON AND LIONE; PATENTANWAELTE STAEGER AND SPERLING PARTNERSCHAFTSGESELLSCHAFT MBB; PETER JULIAN; PHILLIPS ORMONDE FITZPATRICK; SHIRAHAMA YOSHIHARU ET AL; □□□□□□□□□ □□□□□□□□□, □□□□□□□□□□□ □□□□□□; □□□□□□□□□ □□□□□□□□□, □□□□□□□□□□□ □□□□□□, □□□□□□□ □□□□□□□□; 刘新宇; 北京林达刘知识产权代理事务所(普通合伙) 11277; 张会华; 林志剛; 白浜 吉治; 白浜 秀二

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2012387304 AA	20150205	LSPB	+	published / reissued	
AU2012387304 AA	20150205	LSRE	DA3	AMENDMENTS MADE SECTION 104	Text: THE NATURE OF THE AMENDMENT IS: AMEND THE INVENTION TITLE TO READ PANTS-TYPE WEARING ARTICLE
AU2012387304 BB	20180222	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2012387304 BB	20180621	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2012387304 BB	20321010	PEXP		Calculated Patent Term Expiry	
CN103179935 A	20130626	LSPB	+	published / reissued	
CN103179935 A	20130626	LSPB	+C06	PUBLICATION	
CN103179935 A	20130724		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN103179935 B	20140813	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103179935 B	20140813	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103179935 B	20321010	PEXP		Calculated Patent Term Expiry	
DE602012034897 D1	20180419	LSOP	-R026	OPPOSITION FILED AGAINST PATENT	
EP2883522 A1	20150617	LSPB	+	published / reissued	
EP2883522 A1	20150617	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20150109
EP2883522 A1	20150617		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2883522 A1	20150617		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: BA ME
EP2883522 A1	20151111		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2883522 A4	20160323	LSES	+RA4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED (CORRECTED)	Effective date: 20160223
EP2883522 A4	20160323		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/49 20060101AFI20160217BHEP ClassificationScheme: IPC
EP2883522 A4	20160323		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/514 20060101ALI20160217BHEP ClassificationScheme: IPC
EP2883522 A4	20161207	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20161108
EP2883522 A4	20170419	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20170323
EP2883522 B1	20170719	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2883522 B1	20170719		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2883522 B1	20170719	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP2883522 B1	20170731	LSNP	REG	REFERENCE TO A	Ref legal event code: EP

				NATIONAL CODE	Ref country code: CH
EP2883522 B1	20170809	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP2883522 B1	20170815	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 909667 Ref legal event code: REF Effective date: 20170815 Kind code of Ref document: T Ref country code: AT Country of Ref document: AT
EP2883522 B1	20170830		REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FP Ref country code: NL
EP2883522 B1	20170831	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602012034897 Ref legal event code: R096 Country of Ref document: DE
EP2883522 B1	20170918	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Year of fee payment: 6 Ref legal event code: PLFP
EP2883522 B1	20170919		REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: TRGR Ref country code: SE
EP2883522 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 6 Payment date: 20170918 Country of Ref document: FR
EP2883522 B1	20171130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 6 Payment date: 20170915 Country of Ref document: NL
EP2883522 B1	20171211	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: LT Ref legal event code: MG4D
EP2883522 B1	20171215	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20170719 Ref document number: 909667 Ref legal event code: MK05 Kind code of Ref document: T Ref country code: AT Country of Ref document: AT
EP2883522 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20170719 Country of Ref document: FI
EP2883522 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20170719 Country of Ref document: LT
EP2883522 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171019 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NO
EP2883522 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: HR
EP2883522 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20170719 Country of Ref document: AT
EP2883522 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 6 Payment date: 20171004 Country of Ref document: DE
EP2883522 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	Lapsed date: 20171019 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BG
EP2883522 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LV
EP2883522 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171020 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP2883522 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP2883522 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL
EP2883522 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RS
EP2883522 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20171119 Country of Ref document: IS
EP2883522 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 6 Payment date: 20171004 Country of Ref document: GB
EP2883522 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171011 Year of fee payment: 6 Country of Ref document: SE
EP2883522 B1	20180419	LSOP	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R026 Ref country code: DE Ref document number: 602012034897 Country of Ref document: DE
EP2883522 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20170719 Country of Ref document: DK
EP2883522 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP2883522 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP2883522 B1	20180523	LSOP	-26	OPPOSITION	Effective date: 20180419

				FILED	Opponent: THE PROCTER & GAMBLE COMPANY PartyType: opponent
EP2883522 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP2883522 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MC
EP2883522 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20170719 Country of Ref document: EE
EP2883522 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SM
EP2883522 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP2883522 B1	20180531	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PL Ref country code: CH
EP2883522 B1	20180725	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP2883522 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171010 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LU
EP2883522 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171031 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP2883522 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171031 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LI
EP2883522 B1	20180822		REG	REFERENCE TO A NATIONAL CODE	Effective date: 20171031 Ref country code: BE Ref legal event code: MM
EP2883522 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171031 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: BE
EP2883522 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20170719 Country of Ref document: SI
EP2883522 B1	20180913	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PLFP Ref country code: FR Year of fee payment: 7
EP2883522 B1	20180928	LSLE	-PG25	LAPSED IN A	Lapsed date: 20171010

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: MT
EP2883522 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20171010 Country of Ref document: IE
EP2883522 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20180913 Country of Ref document: FR
EP2883522 B1	20181130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20180912 Country of Ref document: NL
EP2883522 B1	20181226	LSOP	-R26	OPPOSITION FILED (CORRECTED)	Opponent: THE PROCTER & GAMBLE COMPANY PartyType: opponent Effective date: 20180419
EP2883522 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180925 Year of fee payment: 7 Country of Ref document: DE
EP2883522 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20181011 Country of Ref document: SE
EP2883522 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20181010 Year of fee payment: 7 Country of Ref document: GB
EP2883522 B1	20190628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20121010 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Country of Ref document: HU
EP2883522 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CY
EP2883522 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190913 Year of fee payment: 8 Country of Ref document: FR
EP2883522 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190912 Year of fee payment: 8 Country of Ref document: NL
EP2883522 B1	20191129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20170719 Country of Ref document: MK
EP2883522 B1	20191202	LSAL	APAH	APPEAL REFERENCE MODIFIED	Text: ORIGINAL CODE: EPIDOSCREFNO
EP2883522 B1	20191202	LSAL	APBM	APPEAL REFERENCE RECORDED	Text: ORIGINAL CODE: EPIDOSNREFNO
EP2883522 B1	20191202	LSAL	APBP	DATE OF RECEIPT OF NOTICE OF APPEAL RECORDED	Text: ORIGINAL CODE: EPIDOSNNOA2O

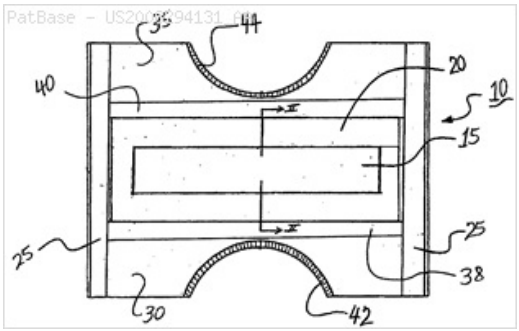
EP2883522 B1	20200131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190924 Year of fee payment: 8 Country of Ref document: DE
EP2883522 B1	20200131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20191010 Year of fee payment: 8 Country of Ref document: SE
EP2883522 B1	20200201	LSAL	APBQ	DATE OF RECEIPT OF STATEMENT OF GROUNDS OF APPEAL RECORDED	Text: ORIGINAL CODE: EPIDOSNNOA3O
EP2883522 B1	20200331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP2883522 B1	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 8 Payment date: 20191010 Country of Ref document: GB
EP2883522 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170719 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP2883522 B1	20200731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20170719 Country of Ref document: AL
EP2883522 B1	20321010	PEXP		Calculated Patent Term Expiry	
IN11118DN2014 A	20150925	LSPB	+	published / reissued	
JP2014050413 A2	20140320	LSPB	+	published / reissued	

35) Family number: 42588222 (US2008294131 AA)

Title: **DISPOSABLE** **ABSORBENT** **ARTICLE** AND POLYMER FILM HAVING ODOR CONTROL AND/OR SKIN HEALTH AGENTS

Abstract: A **disposable** **absorbent** **article** with an associated polymer film that is positioned to be activated by contact with bodily fluids, wherein the polymer film can release odor control and/or skin wellness agents upon contact with such bodily fluids. The polymer film can release the odor control and/or skin wellness agents immediately, gradually over a period of time after contact with such bodily fluids, or a combination of both. The polymer film can also be used for household cleaning applications, in which the polymer film can similarly contain and subsequently release household cleaning agents upon contact with water.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/40 A61F13/51 A61F13/84 B08B1/00
CPC: A61F13/8405
US: 15/104.93 15/104.930S 604/289 604/290 604/359 604/359P 604/360 604/364 604/364S



Family:

Publication number	Publication date	Application number	Application date
DE602008036242 D1	20150226	DE200860036242T	20080523
EP2157959 A2	20100303	EP20080756192	20080523
EP2157959 A4	20130904	EP20080756192	20080523
EP2157959 B1	20150107	EP20080756192	20080523
US2008294131 AA	20081127	US20070805642	20070524
US7883495 BB	20110208	US20070805642	20070524
WO08147991 A2	20081204	WO2008US64700	20080523
WO08147991 A3	20090219	WO2008US64700	20080523

Priority:
US20070805642 20070524 EP20080756192 20080523 WO2008US64700 20080523

Probable Assignee: FIRST QUALITY RETAIL SERVICES LLC

Assignee(s): (std): FIRST QUALITY RETAIL SERVICES ; FIRST QUALITY RETAIL SERVICES LLC ; NONNENMANN HEATHER R ; THORNTON KELLY ; TYCO HEALTHCARE RETAIL SERV AG

Assignee(s): FIRST QUALITY RETAIL SERVICES LLC GREAT NECK ; JP MORGAN CHASE BANK NA ; JPMORGAN CHASE NA ; TYCO HEALTHCARE RETAIL GROUP INC ; TYCO HEALTHCARE RETAIL SERVICES AG

Inventor(s): (std): NONNENMANN HEATHER R ; THORNTON KELLY

Inventor(s): NONNENMANN HEATHER R WARMINSTER ; THORNTON KELLY BENSALEM

Agent(s): AMSTER ROTHSTEIN AND EBENSTEIN LLP; GEORGE KENNETH P ET AL; MANITZ FINSTERWALD AND PARTNER GBR; MICHAEL G PANIAN ESQUIRE TYCO HEALTHCARE RETAIL GROUP INC

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE602008036242 D1	20140624		R079	AMENDMENT OF IPC MAIN CLASS	ClassificationScheme: IPC Text: PREVIOUS MAIN CLASS: A61F0013510000 ClassificationSymbol: A61F0013510000
EP2157959 A2	20100303	LSPB	+	published / reissued	
EP2157959 A2	20100303	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20091222
EP2157959 A2	20100303		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
EP2157959 A2	20100303		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA MK RS
EP2157959 A2	20120815		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2157959 A2	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO	Payment date: 20160520 Year of fee payment: 9

				NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Country of Ref document: GB
EP2157959 A2	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20160520 Year of fee payment: 9 Country of Ref document: FR
EP2157959 A2	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20160729 Year of fee payment: 9 Country of Ref document: DE
EP2157959 A4	20130904	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20130802
EP2157959 A4	20130904		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/84 20060101ALI20130729BHEP ClassificationScheme: IPC
EP2157959 A4	20130904		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/51 20060101AFI20130729BHEP ClassificationScheme: IPC
EP2157959 A4	20140730		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/84 20060101ALI20140624BHEP ClassificationScheme: IPC
EP2157959 A4	20140730		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/51 20060101AFI20140624BHEP
EP2157959 A4	20140813	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20140721
EP2157959 A4	20140813	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PartyType: owner Owner: FIRST QUALITY RETAIL SERVICES, LLC
EP2157959 A4	20140827	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20140730
EP2157959 B1	20150107	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2157959 B1	20150107		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
EP2157959 B1	20150107	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP2157959 B1	20150115	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP2157959 B1	20150128	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP2157959 B1	20150215	LSNP	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20150215 Kind code of Ref document: T Ref country code: AT Ref document number: 705175 Ref legal event code: REF Country of Ref document: AT
EP2157959 B1	20150226	LSPB	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20150226 Ref country code: DE Ref document number: 602008036242 Ref legal event code: R096 Country of Ref document: DE
EP2157959 B1	20150520	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20150107 Ref country code: NL Ref legal event code: VDEP
EP2157959 B1	20150521	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: PLFP Year of fee payment: 8 Country of Ref document: FR

EP2157959 B1	20150615	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20150107 Kind code of Ref document: T Ref country code: AT Ref document number: 705175 Ref legal event code: MK05 Country of Ref document: AT
EP2157959 B1	20150625	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: LT Ref legal event code: MG4D
EP2157959 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: HR
EP2157959 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SE
EP2157959 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP2157959 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BG
EP2157959 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP2157959 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NO
EP2157959 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LT
EP2157959 B1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150408 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP2157959 B1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL
EP2157959 B1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NL

				OFFICE TO EPO]	
EP2157959 B1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP2157959 B1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150507 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP2157959 B1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LV
EP2157959 B1	20151008	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602008036242 Ref legal event code: R097 Country of Ref document: DE
EP2157959 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP2157959 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP2157959 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP2157959 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP2157959 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP2157959 B1	20151216	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20151008
EP2157959 B1	20151231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP2157959 B1	20151231	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP2157959 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	Lapsed date: 20150531 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Country of Ref document: LI
EP2157959 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MC
EP2157959 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150531 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP2157959 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150523 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LU
EP2157959 B1	20160224	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP2157959 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP2157959 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150523 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP2157959 B1	20160520	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: PLFP Year of fee payment: 9 Country of Ref document: FR
EP2157959 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BE
EP2157959 B1	20161230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MT
EP2157959 B1	20170523	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: PLFP Year of fee payment: 10
EP2157959 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20080523 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Country of Ref document: HU
EP2157959 B1	20170630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CY

				EPO]	
EP2157959 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170519 Year of fee payment: 10 Country of Ref document: GB
EP2157959 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170523 Year of fee payment: 10 Country of Ref document: FR
EP2157959 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP2157959 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170728 Year of fee payment: 10 Country of Ref document: DE
EP2157959 B1	20180522	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: PLFP Year of fee payment: 11
EP2157959 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150107 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP2157959 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180522 Year of fee payment: 11 Country of Ref document: FR
EP2157959 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180730 Year of fee payment: 11 Country of Ref document: DE
EP2157959 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180518 Year of fee payment: 11 Country of Ref document: GB
EP2157959 B1	20190830	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190523 Year of fee payment: 12 Country of Ref document: FR
EP2157959 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190730 Year of fee payment: 12 Country of Ref document: DE
EP2157959 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190521 Year of fee payment: 12 Country of Ref document: GB
EP2157959 B1	20200731	LSFE	+PGFP	ANNUAL FEE	Payment date: 20200522

				PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 13 Country of Ref document: FR
EP2157959 B1	20280523	PEXP		Calculated Patent Term Expiry	
US2008294131 AA	20081127	LSPB	+	published / reissued	
US2008294131 AA	20110119	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US7883495 BB	20070524	LSAS	AS	ASSIGNMENT	Owner: TYCO HEALTHCARE RETAIL SERVICES AG, SWITZERLAND OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:NONNENMANN, HEATHER R.;THORNTON, KELLY;REEL/FRAME:019401/0051;SIGNING DATES FROM 20070515 TO 20070518 PartyType: owner
US7883495 BB	20070524	LSAS	AS	ASSIGNMENT	OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:NONNENMANN, HEATHER R.;THORNTON, KELLY;SIGNING DATES FROM 20070515 TO 20070518;REEL/FRAME:019401/0051 PartyType: owner Owner: TYCO HEALTHCARE RETAIL SERVICES AG, SWITZERLAND
US7883495 BB	20080530	LSAS	AS	ASSIGNMENT	Effective date: 20071214 OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:TYCO HEALTHCARE RETAIL SERVICES AG;REEL/FRAME:021029/0606 PartyType: owner Owner: TYCO HEALTHCARE RETAIL GROUP, INC., PENNSYLVANIA
US7883495 BB	20080530	LSAS	AS	ASSIGNMENT	Owner: FIRST QUALITY RETAIL SERVICES, LLC, NEW YORK Effective date: 20080418 PartyType: owner OldParty: MERGER;ASSIGNOR:TYCO HEALTHCARE RETAIL GROUP, INC.;REEL/FRAME:021050/0585
US7883495 BB	20080530	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:TYCO HEALTHCARE RETAIL SERVICES AG;REEL/FRAME:021029/0606 Effective date: 20071214 Owner: TYCO HEALTHCARE RETAIL GROUP, INC.,PENNSYLVANIA
US7883495 BB	20080530	LSAS	AS	ASSIGNMENT	Effective date: 20080418 PartyType: owner OldParty: MERGER;ASSIGNOR:TYCO HEALTHCARE RETAIL GROUP, INC.;REEL/FRAME:021050/0585 Owner: FIRST QUALITY RETAIL SERVICES, LLC,NEW YORK
US7883495 BB	20080708	LSAS	AS	ASSIGNMENT	Effective date: 20080418 PartyType: owner OldParty: SECURITY AGREEMENT;ASSIGNOR:FIRST QUALITY RETAIL SERVICES, LLC;REEL/FRAME:021205/0535 Owner: JP MORGAN CHASE BANK, N.A., ILLINOIS
US7883495 BB	20080708	LSAS	AS	ASSIGNMENT	OldParty: SECURITY AGREEMENT;ASSIGNOR:FIRST QUALITY RETAIL SERVICES, LLC;REEL/FRAME:021205/0535 PartyType: owner Effective date: 20080418 Owner: JP MORGAN CHASE BANK, N.A.,ILLINOIS
US7883495 BB	20110119	LSGT	PAT1	Patented Case	
US7883495 BB	20110208	LSGT	+	granted / extensions (spc, cpc, pte)	
US7883495 BB	20110929	LSAS	AS	ASSIGNMENT	OldParty: SECURITY AGREEMENT;ASSIGNORS:FIRST QUALITY BABY PRODUCTS, LLC;FIRST QUALITY ENTERPRISES, INC.;FIRST QUALITY NONWOVENS, INC.;AND OTHERS;REEL/FRAME:026994/0359 Effective date: 20110629 Owner: JPMORGAN CHASE, N.A., ILLINOIS PartyType: owner
US7883495 BB	20140716	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US7883495 BB	20180424	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	Year of fee payment: 8

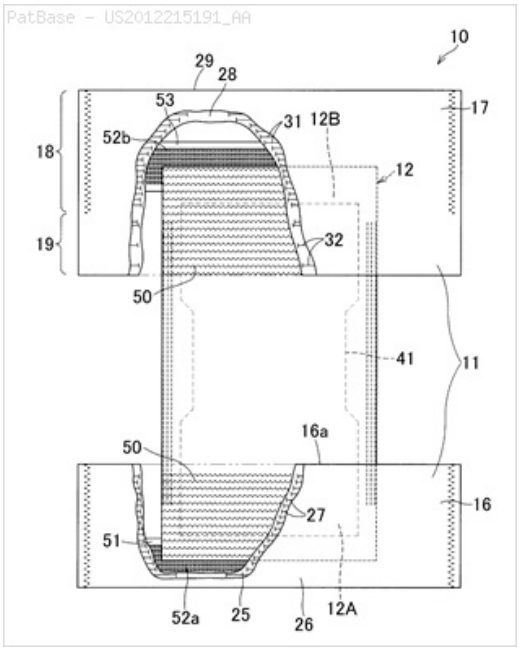
US7883495 BB	20291015	PEXP		Calculated Patent Term Expiry (PTA 875 days)	
WO08147991 A2	20081204	LSPB	+	published / reissued	
WO08147991 A2	20090121		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Ref document number: 08756192 Kind code of Ref document: A2 Country of Ref document: EP
WO08147991 A3	20091125	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE
WO08147991 A3	20091222	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2008756192 Country of Ref document: EP

36) Family number: 46786920 (US2012215191 AA)

Title: **DISPOSABLE** WEARING **ARTICLE**

Abstract: A **disposable** wearing **article** including a buttocks-covering section having tensile force sufficient to prevent this section from lifting and/or quirking during use of the wearing **article** and being free from anxiety that the buttocks-covering section might irritate the wearer's skin even if this section comes in contact with the wearer's skin. In this **diaper**, a rear waist region includes an inner sheet lying on a skin-facing side, an outer sheet lying on a non-skin-facing side, a rear waist main section facing a front waist region and a buttocks-covering section located below the rear waist main section wherein the buttocks-covering section is provided with a plurality of buttocks-covering section elastic elements in the form of strands extending in a transverse direction at a given distance one from another in a longitudinal direction and, in the buttocks-covering section, the inner sheet and the outer sheet are bonded to each other by adhesive applied to peripheral surfaces of the respective buttocks-covering section elastic elements.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/496 A61L15/58
International (IPC 1-7): A61F13/15 A61F13/496
CPC: A61F13/15593 A61F13/49011 A61F13/496
US: 1/1 604/365 604/365P



Family:

Publication number	Publication date	Application number	Application date
AU2010316536 AA	20110512	AU20100316536	20101105
AU2010316536 BB	20160128	AU20100316536	20101105
BR112012010330 A2	20200818	BR20121110330	20101105
CN101816600 A	20100901	CN201010128119	20100308
CN101816600 B	20130918	CN201010128119	20100308
DE602010035239 D1	20160915	DE201060035239T	20101105
EA022837 B1	20160331	EA20120090137	20101105
EA201290137 A1	20121228	EA20120090137	20101105
EP2496199 A1	20120912	EP20100828107	20101105
EP2496199 A4	20140219	EP20100828107	20101105
EP2496199 B1	20160803	EP20100828107	20101105
GC7556 A	20180412	GC2010P017063	20101106
IN201948021565 A	20191018	IN201948021565	20190530
JP2011098062 A2	20110519	JP20090254547	20091106
JP5674303 B2	20150225	JP20090254547	20091106
MY163035 A	20170731	MY20120001836	20101105
TH116995 A	20121025	TH20121002086	20101105
TH72203 B	20191025	TH20121002086	20101105
TW201127351 A	20110816	TW20100137938	20101104
TWI527569 B	20160401	TW20100137938	20101104
US2012215191 AA	20120823	US20100508131	20101105
US9333122 BB	20160510	US20100508131	20101105
VN14837 A1	20151225	VN20120000999	20101105
WO11055546 A1	20110512	WO2010JP06507	20101105

Priority:

JP20090254547 20091106 WO2010JP06507 20101105 EP20100828107 20101105
IN2012CN03345 20120416

Probable Assignee: UNI CHARM CORP

Assignee(s): (std): MORI HIROKI ; TAKINO SHUNSUKE ; UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CO LTD ; UNICHARM CORPORATION ; UNICHARM SHIKOKUCHUO SHI CORP ; ЮНИЧАРМ КОРПОРЕЙШН ; يوني تشارم كوربوريشن ; □□□□□□ □□□□□□□□□□ ; ユニ チャーム株式会社 ; ユニ・チャーム株式会社 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司

Inventor(s): (std): MORI HIROKI ; MORIKI ; SHUNSUKE TAKINO ; TAKINO SHUNSUKE

Inventor(s): HIROKI MORI ; МОРИ ХИРОКИ ; TAKINO SHUNSUKE ; ميري هيروكي ; شونسوكي تاكينو ; □□□□□□ ; □□□□□□ ; □□□□□□□□□□ □□□□□□□ ; □□□□□□□□ □□□□ ; □□□□□ ; □□□□ ; 森 浩喜 ; 泷野俊介 ; 瀧野 俊介

Agent(s): BRINKS GILSON AND LIONE; CONG TY CỔ PHẦN SỞ HỮU CONG NGHIỆP INVESTIP; PATENTANWAELTE STAEGER AND SPERLING PARTNERSCHAFTSGESELLSCHAFT MBB; PETER JULIAN; PHILLIPS ORMONDE

FITZPATRICK; SHIRAHAMA YOSHIHARU ET AL; SULEIMAN I AL AMMAR LAW OFFICE; مكتب سليمان العمار للمحاماة والاستشارات القانونية; □□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□□□ □□□□□□□ □□□□□□□□ □□□□□□□□□; □□□□□□□□□□□ □□□□□□□□□□□, □□□□□□□□□□□□□ □□□□□□□; □□□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□□□□ □□□□□□□, □□□□□□□□ □□□□□□□□□□; 刘新宇; 北京林达刘知识产权代理事务所(普通合伙) 11277; 张会华; 林志刚; 白浜 吉治; 白浜 秀二; 齋藤 博子

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2010316536 AA	20110512	LSPB	+	published / reissued	
AU2010316536 AA	20150528	LSLE	-MK4	APPLICATION LAPSED SECTION 142(2)(D) - NO CONTINUATION FEE PAID FOR THE APPLICATION	
AU2010316536 AA	20150924		NBA	ALLOWANCES - EXTENSIONS OF TIME- SECTION 223(1)	Text: THE TIME IN WHICH TO PAY A CONTINUATION FEE HAS BEEN EXTENDED TO 05 JUL 2015
AU2010316536 BB	20160128	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2010316536 BB	20160526	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2010316536 BB	20301105	PEXP		Calculated Patent Term Expiry	
CN101816600 A	20100901	LSPB	+	published / reissued	
CN101816600 A	20100901	LSPB	+C06	PUBLICATION	
CN101816600 A	20121121		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101816600 B	20130918	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101816600 B	20130918	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101816600 B	20300308	PEXP		Calculated Patent Term Expiry	
DE602010035239 D1	20140113		R079	AMENDMENT OF IPC MAIN CLASS	ClassificationScheme: IPC Text: PREVIOUS MAIN CLASS: A61F0013496000 ClassificationSymbol: A61F0013496000
DE602010035239 D1	20170502	LSOP	-R026	OPPOSITION FILED AGAINST PATENT	
EA022837 B1	20160331	LSGT	+	granted / extensions (spc, cpc, pte)	
EA022837 B1	20170731	LSLE	-MM4A	LAPSE OF A EURASIAN PATENT DUE TO NON-PAYMENT OF RENEWAL FEES WITHIN THE TIME LIMIT IN THE FOLLOWING DESIGNATED STATE(S)	Country of Ref document: AM AZ BY KG KZ MD TJ TM
EA022837 B1	20301105	PEXP		Calculated Patent Term Expiry	
EA201290137 A1	20121228	LSPB	+	published / reissued	
EP2496199 A1	20120912	LSPB	+	published / reissued	
EP2496199 A1	20120912	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20120516
EP2496199 A1	20120912		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2496199 A1	20130213		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2496199 A4	20140219	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND	Effective date: 20140117

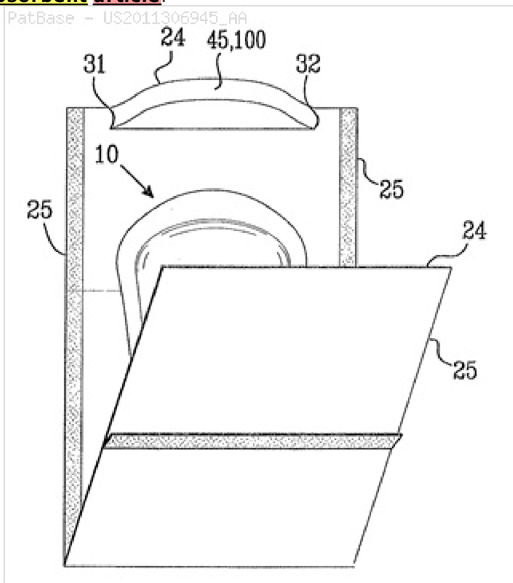
				DESPATCHED	
EP2496199 A4	20140219		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALI20140113BHEP
EP2496199 A4	20140219		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/496 20060101AFI20140113BHEP
EP2496199 A4	20140219		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/49 20060101ALI20140113BHEP ClassificationScheme: IPC
EP2496199 A4	20151118	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20151015
EP2496199 A4	20160518	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20160419

37) Family number: 45551325 (US2011306945 AA)

Title: ABSORBENT ARTICLE WITH **DISPOSAL** WRAPPER

Abstract: A kit including an **absorbent article** and a wrapper for the **absorbent article**. The wrapper is defined by a boundary. The wrapper includes at least one slit which partitions the wrapper to define a strip thereof. The strip is arranged such that the **absorbent article** may be rolled and/or folded within the wrapper and retained in a rolled and/or folded configuration by using the strip. Also, a method for **disposal** of an **absorbent article**.

Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/551 B65D85/07 B65D85/16
International (IPC 1-7): A61F 13/15
CPC: A61F13/5515
US: 604/385.02 604/385.05 604/385.13 604/385.130P



Family:

Publication number	Publication date	Application number	Application date
AU2008365333 AA	20100624	AU20080365333	20081217
AU2008365333 BB	20150212	AU20080365333	20081217
BRPI0823306 A2	20150623	BR2008PI23306	20081217
CN102256579 A	20111123	CN200880132421	20081217
CN102256579 B	20161109	CN200880132421	20081217
CO6341540 A2	20111121	CO20110088774	20110715
DE602008027848 D1	20131121	DE200860027848T	20081217
EP2373274 A1	20111012	EP20080878983	20081217
EP2373274 A4	20120502	EP20080878983	20081217
EP2373274 B1	20130925	EP20080878983	20081217
JP2012511993 T2	20120531	JP20110542039T	20081217
KR101537566 B1	20150717	KR20117014782	20081217
KR20110099704 A	20110908	KR20117014782	20081217
MX2011005884 A1	20110627	MX20110005884	20081217
PL2373274 T3	20140228	PL20080878983T	20081217
RU2011129632 A	20130127	RU20110129632	20081217
RU2482826 C2	20130527	RU20110129632	20081217
TH108028 A	20110520	TH20091005626	20091215
TN2011000251 A1	20121217	TN20110000251	20110517
US2011306945 AA	20111215	US20080140216	20081217
US8900210 BB	20141202	US20080140216	20081217
WO10071512 A1	20100624	WO2008SE51482	20081217
ZA201104090 A	20120425	ZA20110004090	20110602

Priority:

WO2008SE51482 20081217 EP20080878983 20081217 KR20117014782 20081217
CO20110088774 20110715

Probable Assignee: ESSITY HYGIENE AND HEALTH AKTIEBOLAG

Assignee(s): (std): DAHL DENNIS ; DREVIK SOLGUN ; ESSITY HYGIENE AND HEALTH AB ; KARLSSON FREDRIK ; SCA HYGIENE PROD AB

Assignee(s): ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; SCA HYGIENE PRODUCTS AB ; SCA卫生用品公司 ; SKA □ KHAJDZHIN PRODAKTS AB ; СКА ХАЙДЖИН ПРОДАКТС АБ ; □□□□□□ □□□□ □□□□□□□ □□□ ; エシティ ハイジーン アンド ヘルス アクチエボラグ ; エスセーアー ハイジーン プロダクツ アーベー ; 에스체아 히기에너 프로덕츠 악티에볼라그

Inventor(s): (std): DAHL ; DAHL DENNIS ; DAKHL DENNIS ; DENIS ; DENNIS DAHL ; DREVIK ; DREVIK SOL GUN ; FREDERIK KARLSSON ; FREDRIK ; FREDRIK KARLSSON ; KARLSSON ; KARLSSON FREDERIK ; KARLSSON FREDIK ; KARLSSON FREDRIK ; SOLGUN ; SOLGUN DREVIK

Inventor(s): D 达尔 ; DREVIK SOL'GUN ; D·达尔 ; F 卡尔松 ; FREDIK KARLSSON ; F·卡尔松 ; S 德雷维克 ; S·德雷维克 ; ДАХЛ ДЕННИС ; ДРЕВИК СОЛЬГУН ; КАРЛССОН ФРЕДРИК ; □□□□□□□□ □□□□□ ; □□□□□□□□ □□□□ ; □□□□□□□□□ □□□□□□□ ; ソルガン ドレヴィク ; デニス ダル ; フレードリク カールソン ; 달 데니스 ; 드레빅 솔군 ; 칼손 프레드릭

Agent(s): DRINKER BIDDLE AND REATH LLP; GRIFFITH HACK; LUZ CLEMENCIA DE PAEZ; VALEA AB; WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; □□□□□□□□□ □□□□□□ □□□□□□□□□□□ □□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□; □□□□□□□□□ □□□□□□□, □□□□□□□□□□□□ □□□□□□□□□, □□□□□□□ □□□□□□□, □□□□□□□□ □□□□□□□; 実広 信哉; 志賀 正武; 村山 靖彦; 永新专利商标代理有限公司 72002; 渡邊 隆; 王永建; 王琼先; 송봉식; 정삼영

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2008365333 AA	20100624	LSPB	+	published / reissued	
AU2008365333 BB	20150212	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2008365333 BB	20150611	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2008365333 BB	20180607	LSAS	HB	ALTERATION OF NAME IN REGISTER	Owner: ESSITY HYGIENE AND HEALTH AKTIEBOLAG OldParty: FORMER NAME(S): SCA HYGIENE PRODUCTS AB PartyType: owner
AU2008365333 BB	20281217	PEXP		Calculated Patent Term Expiry	
BRPI0823306 A2	20180911	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0823306 A2	20190226	LSAS	B25D	REQUESTED CHANGE OF NAME OF APPLICANT APPROVED	PartyType: owner Owner: ESSITY HYGIENE AND HEALTH AKTIEBOLAG (SE)
BRPI0823306 A2	20190709	LSRV	B09B	DECISION: REFUSAL	
CN102256579 A	20111123	LSPB	+	published / reissued	
CN102256579 A	20111123	LSPB	+C06	PUBLICATION	
CN102256579 A	20111123	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN102256579 A	20120118		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN102256579 A	20120118		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN102256579 B	20161109	LSGT	+	granted / extensions (spc, cpc, pte)	
CN102256579 B	20161109	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN102256579 B	20161109	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN102256579 B	20190129	LSAS	CP01	CHANGE IN THE NAME OR TITLE OF A PATENT HOLDER	
CN102256579 B	20190129	LSAS	CP01	专利权人姓名或者名称的变更	Patentee Before Change: SCA卫生用品公司 (SCA HYGIENE PRODUCTS) Patentee After Change: 爱适瑞卫生与健康股份公司 (LOVE ADAPTED RUI HYGIENE AND HEALTH AG) Text: 专利权人的姓名或者名称、地址的变更 (The name or address of a patentee)
CN102256579 B	20281217	PEXP		Calculated Patent Term Expiry	
CO6341540 A2	20111121	LSPB	+	published / reissued	
CO6341540 A2	20130814	LSGT	+FG	APPLICATION GRANTED	
DE602008027848 D1	20190213	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	OldParty: SCA Hygiene Products AB, Göteborg/Gotenburg, SE Owner: Essity Hygiene and Health Aktiebolag, Göteborg/Gotenburg, SE PartyType: Owner
EP2373274 A1	20111012	LSPB	+	published / reissued	
EP2373274 A1	20111012	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20110704
EP2373274 A1	20111012		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR

					HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
EP2373274 A1	20120328		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2373274 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP2373274 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP2373274 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140125 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP2373274 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP2373274 A1	20160129	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20151109 Year of fee payment: 8 Country of Ref document: TR
EP2373274 A1	20160129	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 8 Payment date: 20151210 Country of Ref document: DE
EP2373274 A1	20160129	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 8 Payment date: 20151211 Country of Ref document: GB
EP2373274 A1	20160229	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20151109 Year of fee payment: 8 Country of Ref document: PL
EP2373274 A1	20160531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20160226 Year of fee payment: 8 Country of Ref document: FR
EP2373274 A4	20120502	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20120403
EP2373274 A4	20120502		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/551 20060101AFI20120328BHEP ClassificationScheme: IPC
EP2373274 A4	20120502		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/15 20060101ALI20120328BHEP ClassificationScheme: IPC
EP2373274 A4	20130515	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20130417
EP2373274 B1	20130925	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2373274 B1	20130925		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
EP2373274 B1	20130925	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP2373274 B1	20130930	LSNP	REG	REFERENCE TO A	Ref country code: CH

				NATIONAL CODE	Ref legal event code: EP
EP2373274 B1	20131015	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: AT Effective date: 20131015 Kind code of Ref document: T Ref document number: 633443 Ref legal event code: REF Country of Ref document: AT
EP2373274 B1	20131106	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: IE
EP2373274 B1	20131121	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602008027848 Ref country code: DE Effective date: 20131121 Ref legal event code: R096 Country of Ref document: DE
EP2373274 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20131225 Country of Ref document: NO
EP2373274 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: HR
EP2373274 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LT
EP2373274 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SE
EP2373274 B1	20140215	LSRV	REG	REFERENCE TO A NATIONAL CODE	Kind code of Ref document: T Effective date: 20130925 Ref country code: AT Ref legal event code: MK05 Ref document number: 633443 Country of Ref document: AT
EP2373274 B1	20140219	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: VDEP Effective date: 20130925 Ref country code: NL
EP2373274 B1	20140225	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: LT Ref legal event code: MG4D
EP2373274 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131226 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP2373274 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LV
EP2373274 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20130925

					Country of Ref document: FI
EP2373274 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP2373274 B1	20140228		REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: T3 Ref country code: PL
EP2373274 B1	20140331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BE
EP2373274 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP2373274 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP2373274 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140125 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP2373274 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP2373274 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NL
EP2373274 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP2373274 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20130925 Country of Ref document: AT
EP2373274 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CY
EP2373274 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP2373274 B1	20140626	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602008027848 Ref country code: DE Ref legal event code: R097 Country of Ref document: DE
EP2373274 B1	20140630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140127 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP2373274 B1	20140731	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP2373274 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP2373274 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131217 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LU
EP2373274 B1	20140903	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20140626
EP2373274 B1	20140924	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP2373274 B1	20140930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP2373274 B1	20141009	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602008027848 Ref legal event code: R097 Ref country code: DE Effective date: 20140626 Country of Ref document: DE
EP2373274 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131217 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP2373274 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131231 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP2373274 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131231 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LI
EP2373274 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MC
EP2373274 B1	20150630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP2373274 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Lapsed date: 20081217 Country of Ref document: HU
EP2373274 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BG
EP2373274 B1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130925 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MT
EP2373274 B1	20160226	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PLFP Year of fee payment: 8 Ref country code: FR Country of Ref document: FR
EP2373274 B1	20161226	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: PLFP Year of fee payment: 9 Country of Ref document: FR
EP2373274 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20161214 Country of Ref document: GB
EP2373274 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20161213 Country of Ref document: DE
EP2373274 B1	20170228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20161226 Country of Ref document: FR
EP2373274 B1	20170228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161103 Year of fee payment: 9 Country of Ref document: PL
EP2373274 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20161109 Country of Ref document: TR
EP2373274 B1	20171221	LSFE	REG	REFERENCE TO A NATIONAL CODE	Year of fee payment: 10 Ref country code: FR Ref legal event code: PLFP
EP2373274 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171211 Year of fee payment: 10 Country of Ref document: DE
EP2373274 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 10 Payment date: 20171221 Country of Ref document: FR
EP2373274 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 10 Payment date: 20171103 Country of Ref document: TR
EP2373274 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171103 Year of fee payment: 10 Country of Ref document: PL
EP2373274 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO	Payment date: 20171212

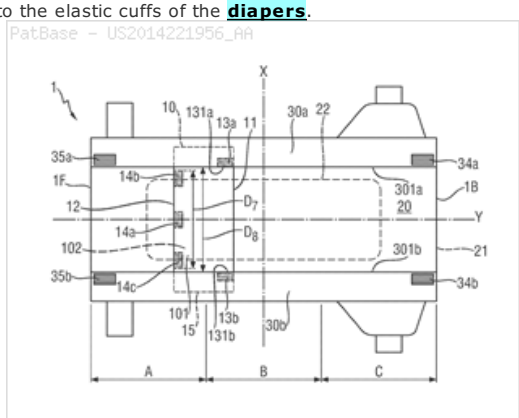
				NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 10 Country of Ref document: GB
EP2373274 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20181210 Year of fee payment: 11 Country of Ref document: DE
EP2373274 B1	20190213	LSAS	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref legal event code: R081 PartyType: owner OldParty: FORMER OWNER: SCA HYGIENE PRODUCTS AB, GOETEBORG/GOTENBURG, SE Ref document number: 602008027848 Owner: ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE Country of Ref document: DE
EP2373274 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20181210 Year of fee payment: 11 Country of Ref document: GB
EP2373274 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 11 Payment date: 20181221 Country of Ref document: FR
EP2373274 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20181119 Year of fee payment: 11 Country of Ref document: TR
EP2373274 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20181109 Year of fee payment: 11 Country of Ref document: PL
EP2373274 B1	20200131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20191203 Year of fee payment: 12 Country of Ref document: DE
EP2373274 B1	20200228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 12 Payment date: 20191115 Country of Ref document: FR
EP2373274 B1	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 12 Payment date: 20190930 Country of Ref document: PL
EP2373274 B1	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20191213 Year of fee payment: 12 Country of Ref document: GB
EP2373274 B1	20281217	PEXP		Calculated Patent Term Expiry	

38) Family number: 57136809 (US2014221956 AA)

Title: **DIAPER** WITH **SEPARATOR SHEET**

Abstract: **Diapers**, including infant **diapers**, training pants, and adult incontinence **articles**, and the like having a transverse **separator sheet** for excrement separation and/or isolation away from the skin with a specific design of attachment of the transverse **separator sheet** to the topsheet and to the elastic cuffs of the **diapers**.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49 A61F13/494 A61F13/495 A61F13/511 A61F13/512 A61F13/56
CPC: A61F13/49017 A61F13/49406 A61F13/49413 A61F13/495 A61F13/5638 A61F2013/4951 A61F2013/4956
US: 1/1 604/385.28



Family:

Publication number	Publication date	Application number	Application date
CN104955431 A	20150930	CN201480006780	20140130
DE112014000644 T5	20151015	DE201411000644T	20140130
EP2950766 A1	20151209	EP20140703755	20140130
JP2016504169 T2	20160212	JP20150555443T	20140130
JP6174162 B2	20170802	JP20150555443T	20140130
US2014221956 AA	20140807	US20140171060	20140203
US9050218 BB	20150609	US20140171060	20140203
WO14120874 A1	20140807	WO2014US13755	20140130

Priority:
US20130759483P 20130201 WO2014US13755 20140130 US20140171060 20140203

Probable Assignee: PROCTER AND GAMBLE CO

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

Assignee(s): PROCTER AND GAMBLE CO ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): FREIBOTH SANDRA ; HECKER ROLF ; MARTYNUS CORNELIA BEATE ; MARTYUS CORNELIA BEATE ; ROE DONALD CARROLL

Inventor(s): C B 马蒂纳斯 ; D C 罗伊 ; R 赫克 ; S 弗莱博斯 ; コルネリア ベアテ マルティヌス ; コルネリア、ベアテ、マルティヌス ; サンドラ フライボス ; サンドラ、フライボス ; ドナルド キャロル ロー ; ドナルド、キャロル、ロー ; ロルフ ヘッカー ; ロルフ、ヘッカー

Agent(s): BORBACH MARKUS; GUFFEY TIMOTHY B; NAGAI HIROSHI; WILLIAM E; 上海专利商标事务所有限公司 31100; 中村 行孝; 出口 智也; 勝沼 宏仁; 小島 一真; 山下 和也; 永井 浩之; 磯貝 克臣; 茅翊恣

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN104955431 A	20150930	LSPB	+	published / reissued	
CN104955431 A	20151104		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN104955431 A	20180831	LSDW	-WD01	INVENTION PATENT APPLICATION DEEMED WITHDRAWN AFTER PUBLICATION	
DE112014000644 T5	20150729	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	
DE112014000644 T5	20151015	LSPB	+	published / reissued	
DE112014000644 T5	20180801	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
DE112014000644 T5	20180801	LSDW	-R119	APPLICATION	

				DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
EP2950766 A1	20151209	LSPB	+	published / reissued	
EP2950766 A1	20151209	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20150804
EP2950766 A1	20151209		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2950766 A1	20151209		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: BA ME
EP2950766 A1	20160511		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2950766 A1	20160629	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20160525
EP2950766 A1	20180314		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/49 20060101AFI20180205BHEP
EP2950766 A1	20180314		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/495 20060101ALI20180205BHEP ClassificationScheme: IPC
EP2950766 A1	20180314		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/56 20060101ALI20180205BHEP
EP2950766 A1	20180314		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/494 20060101ALI20180205BHEP
EP2950766 A1	20180328	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20180301
EP2950766 A1	20190109	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20180712
JP2016504169 T2	20151112	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Effective date: 20150728 Text: JAPANESE INTERMEDIATE CODE: A621
JP2016504169 T2	20160212	LSPB	+	published / reissued	
JP2016504169 T2	20160617		A977	REPORT ON RETRIEVAL	Text: JAPANESE INTERMEDIATE CODE: A971007 Effective date: 20160617
JP2016504169 T2	20160719	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20160719
JP2016504169 T2	20161017		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20161017 Text: JAPANESE INTERMEDIATE CODE: A601
JP2016504169 T2	20170117	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20170117 Text: JAPANESE INTERMEDIATE CODE: A523
JP2016504169 T2	20170606	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2016504169 T2	20170609	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01 Effective date: 20170609
JP2016504169 T2	20170713	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Text: JAPANESE INTERMEDIATE CODE: A61 Effective date: 20170705
JP6174162 B2	20170615	LSGT	+A01	特許査定書	
JP6174162 B2	20170711	LSFE	R100	特許料納付書	
JP6174162 B2	20170714	LSGT	+R150	特許証	
JP6174162 B2	20170802	LSGT	+	granted / extensions (spc,	

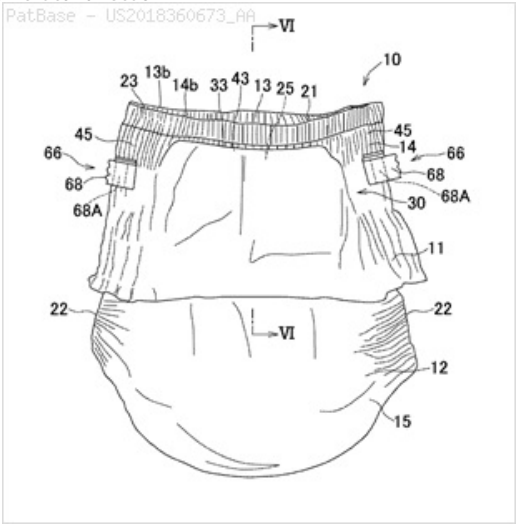
				cpc, pte)	
JP6174162 B2	20340130	PEXP		Calculated Patent Term Expiry	
US2014221956 AA	20140807	LSPB	+	published / reissued	
US2014221956 AA	20150520	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US9050218 BB	20140207	LSAS	AS	ASSIGNMENT	PartyType: owner Owner: THE PROCTER & GAMBLE COMPANY, OHIO OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:MARTYNUS, CORNELIA BEATE;HECKER, ROLF;FREIBOTH, SANDRA;AND OTHERS;SIGNING DATES FROM 20130207 TO 20130218;REEL/FRAME:032171/0483
US9050218 BB	20150520	LSGT	PAT1	Patented Case	
US9050218 BB	20150609	LSGT	+	granted / extensions (spc, cpc, pte)	
US9050218 BB	20190128	LSFE	FEPP	FEE PAYMENT PROCEDURE	Text: MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US9050218 BB	20190715	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	Text: PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US9050218 BB	20190715	LSLE	PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US9050218 BB	20190715	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	Text: PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US9050218 BB	20190806	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	Effective date: 20190609
US9050218 BB	20340203	PEXP		Calculated Patent Term Expiry	
WO14120874 A1	20140807	LSPB	+	published / reissued	
WO14120874 A1	20140924		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Kind code of Ref document: A1 Ref document number: 14703755 Country of Ref document: EP
WO14120874 A1	20150728	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Ref document number: 2015555443 Kind code of Ref document: A Country of Ref document: JP
WO14120874 A1	20150803	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 1120140006440 Country of Ref document: DE
WO14120874 A1	20150803	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 112014000644 Country of Ref document: DE
WO14120874 A1	20150804	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2014703755 Country of Ref document: EP

39) Family number: 62965207 (US2018360673 AA)

Title: **DISPOSABLE** WEARING **ARTICLE**

Abstract: A **diaper** has vertical and lateral directions, and a skin facing surface and a non-skin facing surface on an opposite side thereof, includes a front waist region, a rear waist region, a crotch region positioned between the front and rear waist regions, and includes a pair of leg openings, and a waist opening defined by side edges of the front and rear waist regions. At least one of the front and rear waist regions includes a pair of tape fasteners fixed to the non-skin facing surface of the side edges. At least one of the front and rear waist regions includes a pocket openable toward the crotch region, on the skin facing surface. An upper end of a fixing part of the tape fastener is positioned at a lower side of a closing edge (folding part) positioned on the waist opening side of the pocket in the vertical direction.

Classifications:
International (IPC 8-9): A61F13/49 A61F13/495 A61F13/496 A61F13/551 A61F13/56 A61F13/58
CPC: A61F13/49007 A61F13/495 A61F13/496 A61F13/551 A61F13/5512 A61F13/58 A61F2013/55125
US: 1/1 604/385.13



Family:

Publication number	Publication date	Application number	Application date
CN108472185 A	20180831	CN201680076494	20160819
DE602016033864 D1	20200430	DE201660033864T	20160819
EA201890761 A1	20181228	EA20180090761	20160819
EP3351227 A1	20180725	EP20160881472	20160819
EP3351227 A4	20180815	EP20160881472	20160819
EP3351227 B1	20200408	EP20160881472	20160819
ID201811059 A	20181012	ID2018P0005408	20160819
IN201827014778 A	20180608	IN201827014778	20180418
JP2017118996 A2	20170706	JP20150257242	20151228
JP5946581 B1	20160706	JP20150257242	20151228
KR20180098561 A	20180904	KR20187018162	20160819
PH2018550069 A	20190121	PH20180550069	20180525
US2018360673 AA	20181220	US20160063328	20160819
WO17115492 A1	20170706	WO2016JP74173	20160819

Priority:

JP20150257242 20151228 WO2016JP74173 20160819 EP20160881472 20160819

Probable Assignee: UNICHARM CORP

Assignee(s): (std): UNI CHARM CORP

Assignee(s): UNI CHARM CO LTD ; UNICHARM SHIKOKUCHUO SHI CORP ; ЮНИЧАРМ КОРПОРЕЙШН ; ユニ チャーム株式会社 ; ユニ・チャーム株式会社 ; 尤妮佳股份有限公司 ; 유니참 가부시키가이샤

Inventor(s): (std): INOUE TAKUYA ; MAKI HIDEAKI ; TAKINO SHUNSUKE

Inventor(s): ИНОУЭ, ТАКУЯ ; МАКИ, ХИДЭАКИ ; ТАКИНО, СЮНСУКЭ ; 井上 拓也 ; 槇 秀晃 ; 槙秀晃 ; 泷野俊介 ; 瀧野 俊介 ; 다키노 ?스케 ; 다키노 스케 ; 마키 히데아키 ; 이노우에 다쿠야

Agent(s): AGUSTIA KRISANTI SH MH; DOLLEYMORES; SHIRAHAMA YOSHIHARU ET AL; 刘新宇; 北京林达刘知识产权代理事务所(普通合伙) 11277; 大谷 弘幸; 张会华; 白浜 吉治; 白浜 秀二; 김진희; 김태홍

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN108472185 A	20180831	LSPB	+	published / reissued	
CN108472185 A	20180831	LSPB	PB01	PUBLICATION	
CN108472185 A	20181120		SE01	ENTRY INTO FORCE OF REQUEST FOR SUBSTANTIVE EXAMINATION	
DE602016033864 D1	20200320	LSAS	R081	CHANGE OF	OldParty: UNICHARM

				APPLICANT/PATENTEE	CORPORATION, Ehime, JP Owner: Unicharm Corporation, Shikokuchuo-shi, Ehime, JP PartyType: Owner
EA201890761 A1	20181228	LSPB	+	published / reissued	
EP3351227 A1	20180725	LSPB	+	published / reissued	
EP3351227 A1	20180725	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20180419
EP3351227 A1	20180725		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP3351227 A1	20180725		+AV	REQUEST FOR VALIDATION OF THE EUROPEAN PATENT	Country of Ref document: MA MD
EP3351227 A1	20180725		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: BA ME
EP3351227 A4	20180815	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20180716
EP3351227 A4	20180815		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/495 20060101ALI20180710BHEP
EP3351227 A4	20180815		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/551 20060101AFI20180710BHEP
EP3351227 A4	20180815		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/496 20060101ALI20180710BHEP
EP3351227 A4	20190403		DAV	REQUEST FOR VALIDATION OF THE EUROPEAN PATENT (DELETED)	
EP3351227 A4	20190403		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP3351227 A4	20190522	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20190425
EP3351227 A4	20200115	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20191216
EP3351227 B1	20200408	LSGT	+	granted / extensions (spc, cpc, pte)	
EP3351227 B1	20200408		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP3351227 B1	20200415	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP3351227 B1	20200415	LSNP	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20200415 Kind code of Ref document: T Ref country code: AT Ref document number: 1253352 Ref legal event code: REF Country of Ref document: AT
EP3351227 B1	20200430	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref legal event code: R096 Ref document number: 602016033864 Country of Ref document: DE
EP3351227 B1	20200506		REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FP Ref country code: NL
EP3351227 B1	20200513	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP3351227 B1	20200602		REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: TRGR
EP3351227 B1	20360819	PEXP		Calculated Patent Term Expiry	
ID201811059 A	20181012	LSPB	+	published / reissued	
IN201827014778 A	20180608	LSPB	+	published / reissued	
JP2017118996 A2	20170706	LSPB	+	published / reissued	

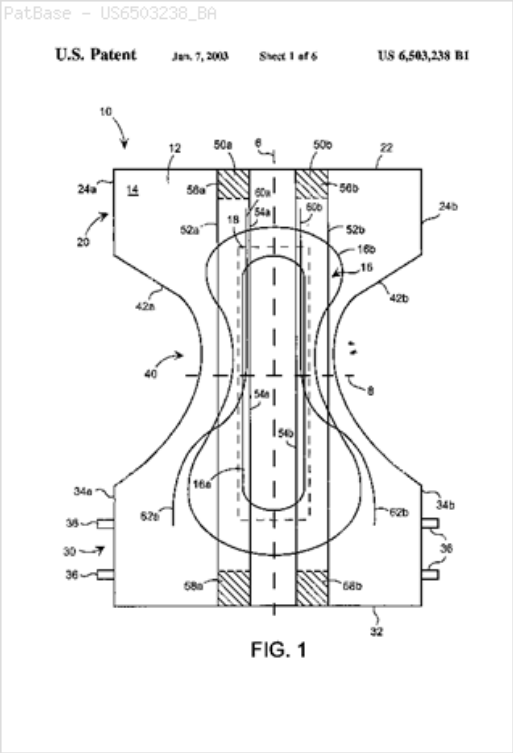
JP5946581 B1	20160404	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20160404 Text: JAPANESE INTERMEDIATE CODE: A523
JP5946581 B1	20160426		A975	REPORT ON ACCELERATED EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A971005 Effective date: 20160425
JP5946581 B1	20160502	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20160502 Text: JAPANESE INTERMEDIATE CODE: A131
JP5946581 B1	20160513	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20160513
JP5946581 B1	20160525	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP5946581 B1	20160527	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20160527 Text: JAPANESE INTERMEDIATE CODE: A01
JP5946581 B1	20160602	LSGT	+A01	特許査定書	
JP5946581 B1	20160602	LSGT	+A01	特許査定書	Effective date: 20160527
JP5946581 B1	20160607	LSFE	R100	特許料納付書	
JP5946581 B1	20160607	LSFE	R100	特許料納付書	Effective date: 20160531 Text: 51601136391
JP5946581 B1	20160610	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	Text: JAPANESE INTERMEDIATE CODE: R150 Ref document number: 5946581 Country of Ref document: JP
JP5946581 B1	20160610	LSGT	+R150	特許証	
JP5946581 B1	20160610	LSGT	+R150	特許証	Effective date: 20160621
JP5946581 B1	20160706	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5946581 B1	20190516	LSFE	R20	特許料納付書	
JP5946581 B1	20190516	LSFE	R20	特許料納付書	Text: 51900990824 Effective date: 20190510
JP5946581 B1	20190521	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP5946581 B1	20190521	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20190531
JP5946581 B1	20200513	LSFE	R20	特許料納付書	Effective date: 20200512 Text: 52000966062
JP5946581 B1	20200514	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20200529
JP5946581 B1	20351228	PEXP		Calculated Patent Term Expiry	

40) Family number: 15865505 (US6503238 BA)

Title: **Disposable** liquid **absorbent** **article** with elasticizing members

Abstract: An **absorbent** **article** suitable for use as a **diaper** or adult incontinence garment includes an **absorbent** body **disposed** between a cover sheet, an inner sheet. Longitudinally extending folds **disposed** on the inner sheet inhibit the leakage of bodily exudates from the edges of the **article**. Elastic members extend along a portion of the length of the folds in the mid portion of the **article**. In the back portion of the **article**, elastic members connected to the inner sheet extend adjacent the edges of the **absorbent** body to enhance the fit of the garment. In the front portion of the **article**, elastic members may also be connected to the inner sheet and extend adjacent the edges of the **absorbent** body to enhance the fit of the garment.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/494 A61F13/53 A61F5/44
International (IPC 1-7): A61F13/15 A61F13/49 A61F13/494 A61F13/53 A61F5/44
CPC: A61F13/49017 A61F13/49413
US: 604/385.28



Family:

Publication number	Publication date	Application number	Application date
AT348584 E	20070115	AT20010114151T	20010611
DE60125282 D1	20070201	DE20016025282T	20010611
DE60125282 T2	20070531	DE20016025282T	20010611
DE60125282 T3	20100610	DE20016025282T	20010611
EP1163894 A2	20011219	EP20010114151	20010611
EP1163894 A3	20040407	EP20010114151	20010611
EP1163894 B1	20061220	EP20010114151	20010611
EP1163894 B2	20100127	EP20010114151	20010611
JP2002065728 A2	20020305	JP20010183925	20010618
MXPA01006075 A1	20050630	MX2001PA06075	20010615
US6503238 BA	20030107	US20000594500	20000616

Priority:
US20000594500 20000616

Probable Assignee: ESSITY HYGIENE AND HEALTH AKTIEBOLAG
Assignee(s): (std): SCA HYGIENE PROD AB
Assignee(s): ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; SCA HYGIENE PRODUCTS AB ; SCA HYGIENE PRODUCTS S AB ; エスシーエー ハイジーン プロダクツ アクチボラゲット
Inventor(s): (std): CARLBARK OLLE ; JOHAN SKOGSBERG ; NILSSON LENNART ; ROENNBERG PETER ; SKOGSBERG JOHAN ; TORSTENSSON INGELA
Inventor(s): カルルバルク オレ ; カルルバルク，オレ ; スコグスベルイ ヨハン ; スコグスベルイ，ヨハン ; トルテンソン インイェラ ; トルテンソン，インイェラ ; ニルソン レナルト ; ニルソン，レナルト ; レンベルイ ペテル ; レンベルイ，ペテル
Agent(s): BERGSTRAND MIKAEL GUDMUNDSSON; 大塚 康弘; 大塚 康徳; 木村 秀二; 高柳 司郎
Designated states: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AT348584 E	20070115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT348584 E	20070615	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING	

				PATENT TREATIES	
AT348584 E	20210611	PEXP		Calculated Patent Term Expiry	
DE60125282 D1	20071213	LSOP	-8363	OPPOSITION AGAINST THE PATENT	
DE60125282 D1	20100408	LSOP	+8366	RESTRICTED MAINTAINED AFTER OPPOSITION PROCEEDINGS	
DE60125282 D1	20190213	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PartyType: Owner OldParty: SCA Hygiene Products AB, Göteborg/Gotenburg, SE Owner: Essity Hygiene and Health Aktiebolag, Göteborg/Gotenburg, SE
DE60125282 T2	20070531	LSGT	+	granted / extensions (spc, cpc, pte)	
DE60125282 T2	20071213	LSOP	-8363	OPPOSITION AGAINST THE PATENT	
DE60125282 T2	20100408	LSOP	+8366	RESTRICTED MAINTAINED AFTER OPPOSITION PROCEEDINGS	
DE60125282 T2	20210611	PEXP		Calculated Patent Term Expiry	
DE60125282 T3	20100610	LSGT	+	granted / extensions (spc, cpc, pte)	
DE60125282 T3	20190213	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PartyType: Owner OldParty: SCA Hygiene Products AB, Göteborg/Gotenburg, SE Owner: Essity Hygiene and Health Aktiebolag, Göteborg/Gotenburg, SE
DE60125282 T3	20210611	PEXP		Calculated Patent Term Expiry	
EP1163894 A2	20011219	LSPB	+	published / reissued	
EP1163894 A2	20011219		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
EP1163894 A2	20011219		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Text: AL;LT;LV;MK;RO;SI
EP1163894 A2	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170606 Year of fee payment: 17 Country of Ref document: DE
EP1163894 A3	20040407		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A3 Country of Ref document: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
EP1163894 A3	20040407		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL LT LV MK RO SI
EP1163894 A3	20040407		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: 7A 61F 13/15 A
EP1163894 A3	20040804	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20040604
EP1163894 A3	20040901	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20040715
EP1163894 A3	20041229	LSFE	+AKX	DESIGNATION FEES PAID	Country of Ref document: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
EP1163894 A3	20041229	LSFE	+AXX	EXTENSION FEES PAID	Payment date: 20040604 Country of Ref document: AL
EP1163894 A3	20041229	LSFE	+AXX	EXTENSION FEES PAID	Payment date: 20040604 Country of Ref document: LT
EP1163894 A3	20041229	LSFE	+AXX	EXTENSION FEES PAID	Payment date: 20040604 Country of Ref document: LV
EP1163894 A3	20041229	LSFE	+AXX	EXTENSION FEES PAID	Payment date: 20040604 Country of Ref document: MK
EP1163894 A3	20041229	LSFE	+AXX	EXTENSION FEES PAID	Payment date: 20040604 Country of Ref document: RO
EP1163894 A3	20041229	LSFE	+AXX	EXTENSION FEES PAID	Payment date: 20040604 Country of Ref document: SI

EP1163894 B1	20061220	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1163894 B1	20061220		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
EP1163894 B1	20061220		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL LT LV MK RO SI
EP1163894 B1	20061220	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20061220 Country of Ref document: AT
EP1163894 B1	20061220	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20061220 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BE
EP1163894 B1	20061220	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20061220 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CH
EP1163894 B1	20061220	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20061220 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP1163894 B1	20061220	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20061220 Country of Ref document: FI
EP1163894 B1	20061220	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20061220 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP1163894 B1	20061220	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20061220 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LI
EP1163894 B1	20061220	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20061220 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NL
EP1163894 B1	20061220	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20061220 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT;WARNING: LAPSES OF ITALIAN PATENTS WITH EFFECTIVE DATE BEFORE 2007 MAY HAVE OCCURRED AT ANY TIME BEFORE 2007. THE CORRECT EFFECTIVE DATE MAY BE DIFFERENT FROM THE ONE RECORDED. Country of Ref document: IT
EP1163894 B1	20061220	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP1163894 B1	20070115	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: EP Ref country code: CH

EP1163894 B1	20070201		REF	CORRESPONDS TO:	Kind code of Ref document: P Date of Ref document: 20070201 Ref document number: 60125282 Country of Ref document: DE
EP1163894 B1	20070207	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP1163894 B1	20070320	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20070320 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SE
EP1163894 B1	20070331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20070331 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP1163894 B1	20070423	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20070423 Country of Ref document: PT
EP1163894 B1	20070525	LSRV	-LTIE	LT: INVALIDATION OF EUROPEAN PATENT OR PATENT EXTENSION	Ref country code: EP Effective date: 20061220
EP1163894 B1	20070601	LSLE	-NLV1	NL: LAPSED OR ANNULLED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT	Ref country code: EP
EP1163894 B1	20070629	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP1163894 B1	20070810		-EN	FR: TRANSLATION NOT FILED	
EP1163894 B1	20071031	LSOP	-26	OPPOSITION FILED	Effective date: 20070920 Opponent: THE PROCTER & GAMBLE COMPANY PartyType: opponent
EP1163894 B1	20080131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20070630 Country of Ref document: MC
EP1163894 B1	20080430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20070810 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FR
EP1163894 B1	20080430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20070321 Country of Ref document: GR
EP1163894 B1	20080530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20070611 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP1163894 B1	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20061220 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FR
EP1163894 B1	20090831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	Lapsed date: 20061220 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY

				NATIONAL OFFICE TO EPO]	THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CY
EP1163894 B1	20090831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20070611 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LU
EP1163894 B1	20090930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20061220 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP1163894 B1	20210611	PEXP		Calculated Patent Term Expiry	
EP1163894 B2	20100127	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1163894 B2	20100127	LSRE	27A	PATENT MAINTAINED IN AMENDED FORM	Effective date: 20100127
EP1163894 B2	20100127		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B2 Country of Ref document: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
EP1163894 B2	20100127		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL LT LV MK RO SI
EP1163894 B2	20100329	LSLE	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20070612 Ref legal event code: FD2A Ref country code: ES
EP1163894 B2	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170607 Year of fee payment: 17 Country of Ref document: GB
EP1163894 B2	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180530 Year of fee payment: 18 Country of Ref document: DE
EP1163894 B2	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 18 Payment date: 20180606 Country of Ref document: GB
EP1163894 B2	20190213		REG	REFERENCE TO A NATIONAL CODE	Ref document number: 60125282 PartyType: representative Ref country code: DE Ref legal event code: R082 Representative: HOFFMANN - EITLE PATENT- UND RECHTSANWAELTE PA, DE Country of Ref document: DE
EP1163894 B2	20190213	LSAS	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 60125282 Ref legal event code: R081 Ref country code: DE PartyType: owner OldParty: FORMER OWNER: SCA HYGIENE PRODUCTS AB, GOETEBORG/GOTENBURG, SE Owner: ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE Country of Ref document: DE
EP1163894 B2	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 19 Payment date: 20190528 Country of Ref document: DE
EP1163894 B2	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 19 Payment date: 20190605 Country of Ref document: GB
EP1163894 B2	20200731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 20 Payment date: 20200527 Country of Ref document: DE
EP1163894 B2	20210611	PEXP		Calculated Patent Term Expiry	
JP2002065728 A2	20020305	LSPB	+	published / reissued	
JP2002065728 A2	20080902	LSWD	-A300	WITHDRAWAL OF APPLICATION	Effective date: 20080902 Text: JAPANESE INTERMEDIATE

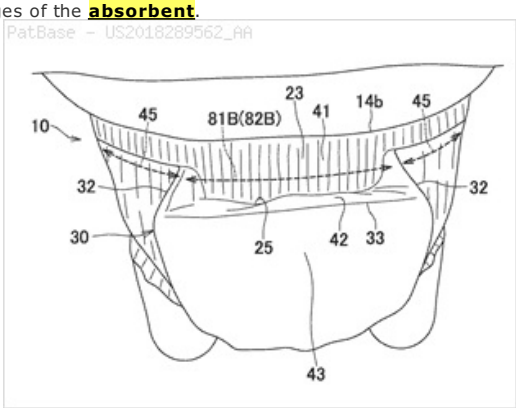
				BECAUSE OF NO REQUEST FOR EXAMINATION	CODE: A300
MXPA01006075 A1	20050630	LSPB	+	published / reissued	
MXPA01006075 A1	20130831	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	

41) Family number: 65372449 (US2018289562 AA)

Title: **DISPOSABLE** WEARING **ARTICLE**

Abstract: In a **disposable** wearing **article**, a back waist region includes a back waist belt and a downward openable pocket facing the back waist belt at the middle. The pocket includes an inner wall facing the belt and an outer wall therebetween. The belt and the inner wall are contiguous at a contiguous lower edge of the belt and the inner wall. The inner and outer walls are contiguous at a contiguous upper edge of the inner and outer walls. The back waist region includes joining areas spaced from each other and joining the belt and the inner wall to each other. The joining areas include inside parts located on inner sides of any of respective imaginary lines extending upward along respective lateral edges of an **absorbent** and outside parts located on outer sides of the imaginary lines and the lateral edges of the **absorbent**.

Classifications:
International (IPC 8-9): A61F13/49 A61F13/494 A61F13/495 A61F13/496 A61F13/514 A61F13/551
International (IPC 1-7): A61F13/49 A61F13/495
CPC: A61F13/49 A61F13/49001 A61F13/49011 A61F13/49012 A61F13/49413 A61F13/495 A61F13/496 A61F2013/49033 A61F2013/49093
US: 1/1 604/385.16



Family:

Publication number	Publication date	Application number	Application date
AU2016330860 AA	20180426	AU20160330860	20160621
BR112018006505 A2	20181009	BR20181106505	20160621
CN108135751 A	20180608	CN201680056734	20160621
EA201890537 A1	20181031	EA20180090537	20160621
EP3342384 A1	20180704	EP20160850763	20160621
EP3342384 A4	20180718	EP20160850763	20160621
ID201808978 A	20180816	ID2018P0003126	20160621
IN201817014437 A	20180907	IN201817014437	20180416
JP2017064169 A2	20170406	JP20150194923	20150930
JP6449123 B2	20190109	JP20150194923	20150930
KR20180063146 A	20180611	KR20187010916	20160621
PH2018550031 A	20180924	PH20180550031	20180323
TH181596 A	20181115	TH20181001741	20160621
TW201713294 A	20170416	TW20160120315	20160628
US2018289562 AA	20181011	US20160764619	20160621
WO17056586 A1	20170406	WO2016JP68322	20160621

Priority:
JP20150194923 20150930 WO2016JP68322 20160621

Probable Assignee: UNI CHARM CO LTD

Assignee(s): (std): UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CO LTD ; ЮНИЧАРМ КОРПОРЕЙШН ; □□□□□□□ □□□□□□□□□□ ; ユニ チャーム株式会社 ; ユニ・チャーム株式会社 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司 ; 유니참 가부시키가이샤

Inventor(s): (std): HIDEAKI MAKI ; INOUE TAKUYA ; MAKI HIDEAKI ; SHUNSUKE TAKINO ; TAKINO SHUNSUKE ; TAKUYA INOUE

Inventor(s): ИНОУЭ, ТАКУЯ ; МАКИ, ХИДЭАКИ ; ТАКИНО, СЮНСУКЭ ; □□□□□□□ ; □□□□□□□ ; □□□□□□ ; □□□ ; □□□□□□□□□ ; □□□□□□□ ; 井上 拓也 ; 槇 秀晃 ; 槙秀晃 ; 泷野俊介 ; 瀧野 俊介 ; 다키노 ?스케 ; 다키노 스케 ; 마키 히데아키 ; 이노우에 다쿠야

Agent(s): AGUSTIA KRISANTI SH MH; DOLLEYMORES; PHILLIPS ORMONDE FITZPATRICK; SHIRAHAMA YOSHIHARU ET AL; □□□□□□□□□□ □□□□□□□□, □□□□□□□□□□□□□ □□□□□□□□□, □□□□□□□□ □□□□□□□□□□; 刘新宇; 北京林达刘知识产权代理事务所(普通合伙) 11277; 大谷 弘幸; 张会华; 林志刚; 白浜 吉治; 白浜 秀二; 김진희; 김태홍

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2016330860 AA	20180426	LSPB	+	published / reissued	
BR112018006505 A2	20200512		B06U	PRELIMINARY REQUIREMENT: REQUESTS WITH SEARCHES PERFORMED BY OTHER PATENT OFFICES: SUSPENSION OF THE	

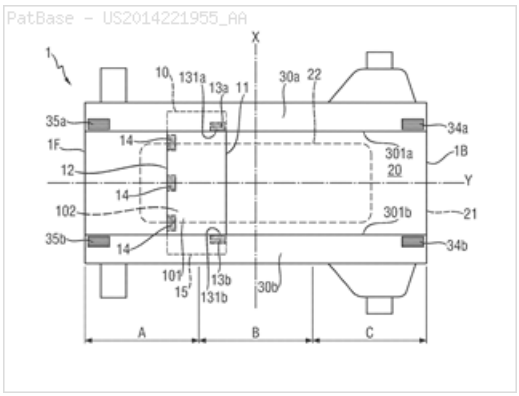
				PATENT APPLICATION PROCEDURE	
CN108135751 A	20180608	LSPB	+	published / reissued	
CN108135751 A	20180608	LSPB	PB01	PUBLICATION	
CN108135751 A	20180831		SE01	ENTRY INTO FORCE OF REQUEST FOR SUBSTANTIVE EXAMINATION	
EA201890537 A1	20181031	LSPB	+	published / reissued	
EP3342384 A1	20180704	LSPB	+	published / reissued	
EP3342384 A1	20180704	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20180328
EP3342384 A1	20180704		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP3342384 A1	20180704		+AV	REQUEST FOR VALIDATION OF THE EUROPEAN PATENT	Country of Ref document: MA MD
EP3342384 A1	20180704		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: BA ME
EP3342384 A4	20180718	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20180618
EP3342384 A4	20180718		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/495 20060101ALI20180608BHEP
EP3342384 A4	20180718		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/49 20060101AFI20180608BHEP
EP3342384 A4	20190109		DAV	REQUEST FOR VALIDATION OF THE EUROPEAN PATENT (DELETED)	
EP3342384 A4	20190109		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP3342384 A4	20190619	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20190515
ID201808978 A	20180816	LSPB	+	published / reissued	
IN201817014437 A	20180907	LSPB	+	published / reissued	
JP2017064169 A2	20170406	LSPB	+	published / reissued	
JP2017064169 A2	20170818	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A621 Effective date: 20170818
JP2017064169 A2	20180731	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20180731 Text: JAPANESE INTERMEDIATE CODE: A131
JP2017064169 A2	20180913	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20180913 Text: JAPANESE INTERMEDIATE CODE: A523
JP2017064169 A2	20181026	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2017064169 A2	20181106	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20181106 Text: JAPANESE INTERMEDIATE CODE: A01
JP2017064169 A2	20181213	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective date: 20181205 Text: JAPANESE INTERMEDIATE CODE: A61
JP6449123 B2	20181108	LSGT	+A01	特許査定書	
JP6449123 B2	20181211	LSFE	R100	特許料納付書	
JP6449123 B2	20181214	LSGT	+R150	特許証	
JP6449123 B2	20190109	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6449123 B2	20350930	PEXP		Calculated Patent Term Expiry	

42) Family number: 57136770 (US2014221955 AA)

Title: **DIAPER** WITH **SEPARATOR SHEET**

Abstract: **Diapers**, including infant **diapers**, training pants, and adult incontinence **articles**, and the like having a specific elastically stretchable transverse **separator sheet** for excrement separation and/or isolation away from the skin, and process for making the same.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49 A61F13/494 A61F13/495 A61F13/511
CPC: A61F13/15593 A61F13/15756 A61F13/49017 A61F13/49019 A61F13/49413 A61F13/49446 A61F13/495 A61F2013/49022 A61F2013/4948 A61F2013/4951 A61F2013/4956
US: 604/385.28 1/1



Family:

Publication number	Publication date	Application number	Application date
CN104968311 A	20151007	CN201480006833	20140130
DE112014000654 T5	20151015	DE201411000654T	20140130
DE602014019047 D1	20180208	DE201460019047T	20140130
EP2950765 A1	20151209	EP20140703754	20140130
EP2950765 B1	20171227	EP20140703754	20140130
JP2016504168 T2	20160212	JP20150555442T	20140130
JP2017099914 A2	20170608	JP20170006176	20170117
JP6177935 B2	20170809	JP20150555442T	20140130
US2014221955 AA	20140807	US20140171037	20140203
US9839562 BB	20171212	US20140171037	20140203
WO14120872 A1	20140807	WO2014US13753	20140130

Priority:

US20130759478P 20130201 WO2014US13753 20140130 EP20140703754 20140130
JP20150555442T 20140130 US20140171037 20140203 JP20170006176 20170117

Probable Assignee: PROCTER AND GAMBLE CO

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

Assignee(s): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): BROWN DARREL ; BROWN DARREL IAN ; BROWN DARRELL IAN ; CORNELIA BEATE MARTYNUS ; DARRELL IAN BROWN ; FREIBOTH SANDRA ; HECKER ROLF ; MARTYNUS CORNELIA BEATE ; MARTYUS CORNELIA BEATE ; NETON JANET ; ROLF HECKER ; SANDRA FREIBOTH

Inventor(s): BROWN DARREL IAN CINCINNATI ; C B 马蒂纳斯 ; D I 布朗 ; J 奈顿 ; NETON JANET CINCINNATI ; R 赫克 ; S 弗莱博斯 ; コルネリア ベアテ マルティヌス ; コルネリア、ベアテ、マルティヌス ; サンドラ フライボス ; サンドラ、フライボス ; ジャネット ネトン ; ジャネット、ネトン ; ダレル イアン ブラウン ; ダレル、イアン、ブラウン ; ロルフ ヘッカー ; ロルフ、ヘッカー

Agent(s): BORBACH MARKUS; GUFFEY TIMOTHY B; NAGAI HIROSHI; WILLIAM E; 上海专利商标事务所有限公司 31100; 中村 行孝; 佐藤 泰和; 出口 智也; 勝沼 宏仁; 小島 一真; 山下 和也; 朝倉 悟; 永井 浩之; 磯貝 克臣; 茅翊恣

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN104968311 A	20151007	LSPB	+	published / reissued	
CN104968311 A	20151007	LSPB	+C06	PUBLICATION	
CN104968311 A	20151111		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN104968311 A	20180814	LSDW	-WD01	INVENTION PATENT APPLICATION DEEMED WITHDRAWN AFTER PUBLICATION	
DE112014000654 T5	20150729	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	

DE112014000654 T5	20150907		R083	AMENDMENT OF/ADDITIONS TO INVENTOR(S)	
DE112014000654 T5	20151015	LSPB	+	published / reissued	
DE112014000654 T5	20180801	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
DE112014000654 T5	20180801	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
EP2950765 A1	20151209	LSPB	+	published / reissued	
EP2950765 A1	20151209	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20150730
EP2950765 A1	20151209		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2950765 A1	20151209		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: BA ME
EP2950765 A1	20160511		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2950765 A1	20160615	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20160518
EP2950765 A1	20170830	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20170801
EP2950765 B1	20171227	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2950765 B1	20171227		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2950765 B1	20171227	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP2950765 B1	20171229	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: EP Ref country code: CH
EP2950765 B1	20180115	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: REF Ref country code: AT Effective date: 20180115 Ref document number: 957675 Kind code of Ref document: T Country of Ref document: AT
EP2950765 B1	20180124	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: IE
EP2950765 B1	20180208	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602014019047 Ref legal event code: R096 Country of Ref document: DE
EP2950765 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171227 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LT
EP2950765 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	Lapsed date: 20180327 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	PRESCRIBED TIME-LIMIT Country of Ref document: NO
EP2950765 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171227 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP2950765 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 5 Payment date: 20180117 Country of Ref document: DE
EP2950765 B1	20180502		REG	REFERENCE TO A NATIONAL CODE	Ref country code: NL Effective date: 20171227 Ref legal event code: MP
EP2950765 B1	20180510	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: LT Ref legal event code: MG4D
EP2950765 B1	20180515	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20171227 Ref document number: 957675 Ref legal event code: MK05 Kind code of Ref document: T Ref country code: AT Country of Ref document: AT
EP2950765 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180328 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP2950765 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180327 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BG
EP2950765 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20171227 Country of Ref document: LV
EP2950765 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20171227 Country of Ref document: HR
EP2950765 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20171227 Country of Ref document: RS
EP2950765 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	Lapsed date: 20171227 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	PRESCRIBED TIME-LIMIT Country of Ref document: NL
EP2950765 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20171227 Country of Ref document: ES
EP2950765 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171227 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP2950765 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171227 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP2950765 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171227 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP2950765 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171227 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CY
EP2950765 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20171227 Country of Ref document: RO
EP2950765 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20171227 Country of Ref document: PL
EP2950765 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20180427 Country of Ref document: IS
EP2950765 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	Lapsed date: 20171227 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP2950765 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171227 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SM
EP2950765 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171227 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP2950765 B1	20180831	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PL Ref country code: CH
EP2950765 B1	20180928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20171227 Country of Ref document: MC
EP2950765 B1	20180928	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602014019047 Ref legal event code: R097 Ref country code: DE Country of Ref document: DE
EP2950765 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180227 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: FR
EP2950765 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180130 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LU
EP2950765 B1	20181031	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MM4A Ref country code: IE
EP2950765 B1	20181102	LSLE	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20180928 Ref legal event code: ST Ref country code: FR
EP2950765 B1	20181108		REG	REFERENCE TO A NATIONAL CODE	Effective date: 20180131 Ref legal event code: MM Ref country code: BE
EP2950765 B1	20181121	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Effective date: 20180327 Ref country code: EP
EP2950765 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20171227 Country of Ref document: DK

EP2950765 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180131 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LI
EP2950765 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20180131 Country of Ref document: BE
EP2950765 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20180131 Country of Ref document: CH
EP2950765 B1	20181205	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20180928
EP2950765 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180130 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP2950765 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180327 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: GB
EP2950765 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171227 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP2950765 B1	20190801	LSDW	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602014019047 Ref country code: DE Ref legal event code: R119 Country of Ref document: DE
EP2950765 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190801 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: DE
EP2950765 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20180130 Country of Ref document: MT
EP2950765 B1	20200331	LSLE	-PG25	LAPSED IN A CONTRACTING	Lapsed date: 20171227 NotificationOfLapse: LAPSE BECAUSE

				STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP2950765 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20171227 Country of Ref document: PT
EP2950765 B1	20200630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20171227 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: MK
EP2950765 B1	20200630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Lapsed date: 20140130 Country of Ref document: HU
EP2950765 B1	20200630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20171227 Country of Ref document: SE
EP2950765 B1	20200731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20171227 Country of Ref document: AL
EP2950765 B1	20340130	PEXP		Calculated Patent Term Expiry	
JP2016504168 T2	20151112	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A621 Effective date: 20150728
JP2016504168 T2	20160212	LSPB	+	published / reissued	
JP2016504168 T2	20160617		A977	REPORT ON RETRIEVAL	Effective date: 20160617 Text: JAPANESE INTERMEDIATE CODE: A971007
JP2016504168 T2	20160719	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20160719
JP2016504168 T2	20161003		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20161003 Text: JAPANESE INTERMEDIATE CODE: A601
JP2016504168 T2	20170117	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20170117
JP2016504168 T2	20170609	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2016504168 T2	20170613	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A	Text: JAPANESE INTERMEDIATE CODE: A01 Effective date: 20170613

				REGISTRATION (UTILITY MODEL)	
JP2016504168 T2	20170720	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Text: JAPANESE INTERMEDIATE CODE: A61 Effective date: 20170712
JP2017099914 A2	20170608	LSPB	+	published / reissued	
JP2017099914 A2	20180111	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	Effective date: 20180111 Text: JAPANESE INTERMEDIATE CODE: A761
JP2017099914 A2	20180123		A977	REPORT ON RETRIEVAL	Text: JAPANESE INTERMEDIATE CODE: A971007 Effective date: 20180123
JP6177935 B2	20170615	LSGT	+A01	特許査定書	
JP6177935 B2	20170718	LSFE	R100	特許料納付書	
JP6177935 B2	20170721	LSGT	+R150	特許証	
JP6177935 B2	20170809	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6177935 B2	20340130	PEXP		Calculated Patent Term Expiry	
US2014221955 AA	20140807	LSPB	+	published / reissued	
US2014221955 AA	20170420		FRM1	Final Rejection Mailed	
US2014221955 AA	20170725		RFE1	Docketed New Case - Ready for Examination	
US2014221955 AA	20170808	LSES	NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2014221955 AA	20171110	LSFE	PPR1	Publications -- Issue Fee Payment Received	
US2014221955 AA	20171113	LSFE	PPV1	Publications -- Issue Fee Payment Verified	
US2014221955 AA	20171121	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US9839562 BB	20140207	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BROWN, DARRELL IAN;FREIBOTH, SANDRA;HECKER, ROLF;AND OTHERS;SIGNING DATES FROM 20130204 TO 20130218;REEL/FRAME:032171/0452 Owner: THE PROCTER & GAMBLE COMPANY, OHIO
US9839562 BB	20140904		RFE1	Docketed New Case - Ready for Examination	
US9839562 BB	20171121	LSGT	PAT1	Patented Case	
US9839562 BB	20171212	LSGT	+	granted / extensions (spc, cpc, pte)	
US9839562 BB	20360220	PEXP		Calculated Patent Term Expiry (PTA 747 days)	

43) Family number: 55369160 (WO15055696 A1)

Title: **ARTICLE** WITH FORESHORTENED TOPSHEET FORMING A CROTCH FLAP

Abstract: The present invention is an **article** for being worn on the lower torso of a wearer with a foreshortened topsheet relative to a backsheet, which may further be adapted to allow bodily exudates to pass through one or more passageways in the topsheet.

Classifications:
International (IPC 8-9): A61F13/49 A61F13/494 A61F13/495 A61F13/511
CPC: A61F13/49473 A61F13/495 A61F2013/4951 A61F2013/4953 A61F2013/4956 A61F13/49007 A61F13/51104

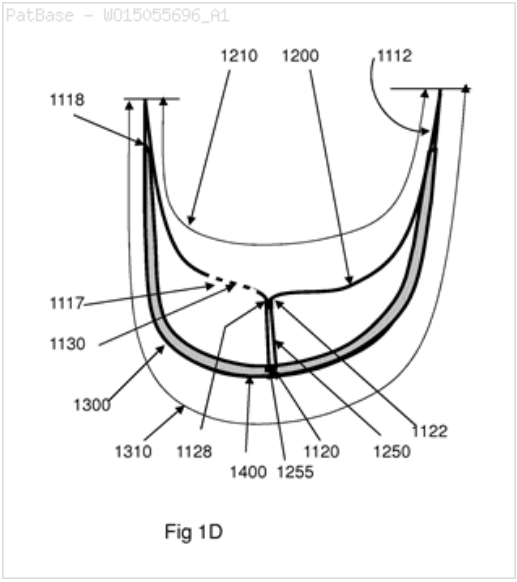


Fig 1D

Family:

Publication number	Publication date	Application number	Application date
EP3057552 A1	20160824	EP20140790035	20141015
GB201318198 A0	20131127	GB20130018198	20131015
GB2519291 A1	20150422	GB20130018198	20131015
WO15055696 A1	20150423	WO2014EP72080	20141015

Priority:
GB20130018198 20131015 WO2014EP72080 20141015

Probable Assignee: CONCEPTS FOR SUCCESS C4S E K

Assignee(s): (std): CONCEPTS FOR SUCCESS C4S ; CONCEPTS FOR SUCCESS C4S E K

Inventor(s): (std): SCHMITZ CHRISTOPH

Inventor(s): CHRISTOPH SCHMITZ

Agent(s): PLISCHKE MANFRED

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
EP3057552 A1	20160824	LSPB	+	published / reissued	
EP3057552 A1	20160824	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20160517
EP3057552 A1	20160824		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP3057552 A1	20160824		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: BA ME
EP3057552 A1	20170118		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP3057552 A1	20180822	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20180719
GB2519291 A1	20150422	LSPB	+	published / reissued	
GB2519291 A1	20160309	LSWD	-WAP	APPLICATION WITHDRAWN, TAKEN TO BE WITHDRAWN OR REFUSED ** AFTER PUBLICATION UNDER SECTION 16(1)	

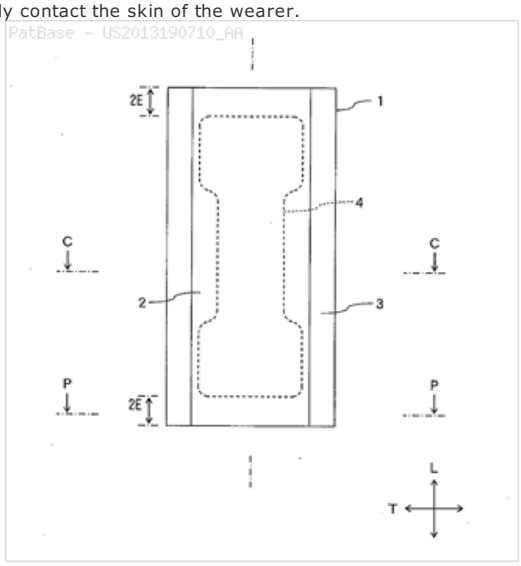
WO15055696 A1	20150423	LSPB	+	published / reissued	
WO15055696 A1	20150603		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Kind code of Ref document: A1 Ref document number: 14790035 Country of Ref document: EP
WO15055696 A1	20160415	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE
WO15055696 A1	20160511		+REEP	REQUEST FOR ENTRY INTO THE EUROPEAN PHASE	Ref document number: 2014790035 Country of Ref document: EP
WO15055696 A1	20160511	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2014790035 Country of Ref document: EP

44) Family number: 50908471 (US2013190710 AA)

Title: **ABSORBENT** **ARTICLE**

Abstract: An interior body of a **disposable** **diaper** includes a liquid-permeable front sheet, a liquid-impermeable back sheet and a liquid-retaining **absorbent** core. The front sheet has a single sheet including spunbond layers on the front side and back side and a melt blown layer between the spunbond layers. The **absorbent** core has fiber aggregates and super-**absorbent** polymer particles. The front sheet is directly bonded to the skin side surface of the **absorbent** core. The length of the front sheet is longer than the length of the **absorbent** core, so that the front sheet has extended sections which extend outward in the lengthwise direction from both ends of the **absorbent** core in the lengthwise direction, while the extended sections are each continuously connected in the transverse direction with the front sheet or back sheet which overlaps with the extended section. The extended sections can directly contact the skin of the wearer.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/51 A61F13/511 A61F13/513 A61F13/515 A61F13/53
CPC: A61F13/49 A61F13/49061 A61F13/511 A61F13/51104 A61F13/51108 A61F13/51121 A61F13/5116 A61F13/51394 A61F13/515 A61F2013/51078 A61F2013/51178 A61F2013/51182 A61F2013/530598
US: 1/1 604/378 604/385.01



Family:

Publication number	Publication date	Application number	Application date
CN103140201 A	20130605	CN201180047441	20110926
CN103140201 B	20151007	CN201180047441	20110926
DE602011027164 D1	20160714	DE201160027164T	20110926
EP2621435 A1	20130807	EP20110829397	20110926
EP2621435 A4	20140730	EP20110829397	20110926
EP2621435 B1	20160601	EP20110829397	20110926
IN02671CN2013 A	20140711	IN2013CN02671	20130405
JP2012075637 A2	20120419	JP20100223096	20100930
JP5765910 B2	20150819	JP20100223096	20100930
TH128125 A	20131015	TH20131001692	20110926
US2013190710 AA	20130725	US20110824374	20110926
US9198808 BB	20151201	US20110824374	20110926
WO12043844 A1	20120405	WO2011JP72705	20110926

Priority:
JP20100223096 20100930 WO2011JP72705 20110926 EP20110829397 20110926

Probable Assignee: UNICHARM CORP

Assignee(s): (std): MASAKI SHUNSUKE ; UNI CHARM CORP ; YOSHIOKA TOSHIYASU

Assignee(s): UNI CHARM CO LTD ; UNICHARM CORPORATION ; UNICHARM SHIKOKUCHUO SHI CORP ; □□□□□□□□□□□□□□□□ ; ユニ チャーム株式会社 ; ユニ･チャーム株式会社 ; 尤妮佳股份有限公司

Inventor(s): (std): MASAKI SHUNSUKE ; YOSHIOKA TOSHIYASU

Inventor(s): □□□□□□□□□□ □□□□□□ ; □□□□□□□□□□ □□□□□□□□ ; 吉冈稔泰 ; 吉岡 稔泰 ; 正木 俊介

Agent(s): AOKI ATSUSHI; AOKI ATSUSHI ET AL; DOLLEYMORES; HAUPTMAN HAM LLP; ISHIDA TAKASHI; KOGA TETSUJI; PATENTANWAELTE STREHL SCHUEBEL HOPF AND PARTNER; VAUGHAN JENNIFER ANN; □□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□□□ □□□□□□□, □□□□□□□□ □□□□□□□□□; 刘新宇; 北京林达刘知识产权代理事务所(普通合伙) 11277; 古賀 哲次; 小野田 浩之; 张会华; 森本 有一; 石田 敬; 蛯谷 厚志; 青木 篤

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 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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN103140201 A	20130605	LSPB	+	published / reissued	
CN103140201 A	20130605	LSPB	+C06	PUBLICATION	
CN103140201 A	20130710		C10	ENTRY INTO SUBSTANTIVE	

				EXAMINATION	
CN103140201 B	20151007	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103140201 B	20151007	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103140201 B	20310926	PEXP		Calculated Patent Term Expiry	
DE602011027164 D1	20140623		R079	AMENDMENT OF IPC MAIN CLASS	ClassificationScheme: IPC Text: PREVIOUS MAIN CLASS: A61F0013150000 ClassificationSymbol: A61F0013150000
DE602011027164 D1	20200401	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
EP2621435 A1	20130807	LSPB	+	published / reissued	
EP2621435 A1	20130807	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20130129
EP2621435 A1	20130807		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2621435 A1	20140108		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2621435 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20160920 Year of fee payment: 6 Country of Ref document: DE
EP2621435 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20160921 Year of fee payment: 6 Country of Ref document: GB
EP2621435 A1	20161130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 6 Payment date: 20160816 Country of Ref document: FR
EP2621435 A4	20140730	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20140627
EP2621435 A4	20140730		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/515 20060101ALI20140623BHEP
EP2621435 A4	20140730		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/49 20060101ALI20140623BHEP ClassificationScheme: IPC
EP2621435 A4	20140730		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/15 20060101AFI20140623BHEP ClassificationScheme: IPC
EP2621435 A4	20140730		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/511 20060101ALI20140623BHEP
EP2621435 A4	20151202	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20151105
EP2621435 B1	20160601	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2621435 B1	20160601		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2621435 B1	20160601	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP2621435 B1	20160615	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: EP Ref country code: CH

EP2621435 B1	20160615	LSNP	REG	REFERENCE TO A NATIONAL CODE	Kind code of Ref document: T Ref country code: AT Effective date: 20160615 Ref document number: 803398 Ref legal event code: REF Country of Ref document: AT
EP2621435 B1	20160629	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP2621435 B1	20160714	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602011027164 Ref legal event code: R096 Country of Ref document: DE
EP2621435 B1	20160816	LSFE	REG	REFERENCE TO A NATIONAL CODE	Year of fee payment: 6 Ref country code: FR Ref legal event code: PLFP Country of Ref document: FR
EP2621435 B1	20160926	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MG4D Ref country code: LT
EP2621435 B1	20161005		REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MP Ref country code: NL Effective date: 20160601
EP2621435 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160601 Country of Ref document: LT
EP2621435 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160901 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NO
EP2621435 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160601 Country of Ref document: FI
EP2621435 B1	20161115	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 803398 Ref legal event code: MK05 Effective date: 20160601 Kind code of Ref document: T Ref country code: AT Country of Ref document: AT
EP2621435 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP2621435 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LV
EP2621435 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: HR
EP2621435 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SE
EP2621435 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160902 Country of Ref document: GR

EP2621435 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RS
EP2621435 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NL
EP2621435 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP2621435 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP2621435 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP2621435 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP2621435 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP2621435 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20161001 Country of Ref document: IS
EP2621435 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SM
EP2621435 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP2621435 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20161003 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP2621435 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL

EP2621435 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20160601 Country of Ref document: BE
EP2621435 B1	20170302	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602011027164 Ref legal event code: R097 Ref country code: DE Country of Ref document: DE
EP2621435 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MC
EP2621435 B1	20170428	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP2621435 B1	20170510	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20170302
EP2621435 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160601 Country of Ref document: DK
EP2621435 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160601 Country of Ref document: SI
EP2621435 B1	20170628	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP2621435 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20160926 Country of Ref document: IE
EP2621435 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20160930 Country of Ref document: CH
EP2621435 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160930 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LI
EP2621435 B1	20170810	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PLFP Ref country code: FR Year of fee payment: 7
EP2621435 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160926 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LU
EP2621435 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20170920 Country of Ref document: DE
EP2621435 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170810 Year of fee payment: 7 Country of Ref document: FR
EP2621435 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE	Payment date: 20170920 Year of fee payment: 7 Country of Ref document: GB

				[ANNOUNCED FROM NATIONAL OFFICE TO EPO]	
EP2621435 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Lapsed date: 20110926 Country of Ref document: HU
EP2621435 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CY
EP2621435 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20160930 Country of Ref document: MT
EP2621435 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MK
EP2621435 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP2621435 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160601 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BG
EP2621435 B1	20180813	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PLFP Ref country code: FR Year of fee payment: 8
EP2621435 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160601 Country of Ref document: AL
EP2621435 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180813 Year of fee payment: 8 Country of Ref document: FR
EP2621435 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180911 Year of fee payment: 8 Country of Ref document: DE
EP2621435 B1	20181130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 8 Payment date: 20180926 Country of Ref document: GB
EP2621435 B1	20200401	LSDW	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602011027164 Ref legal event code: R119 Ref country code: DE Country of Ref document: DE
EP2621435 B1	20200731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20200401 Country of Ref document: DE
EP2621435 B1	20310926	PEXP		Calculated Patent	

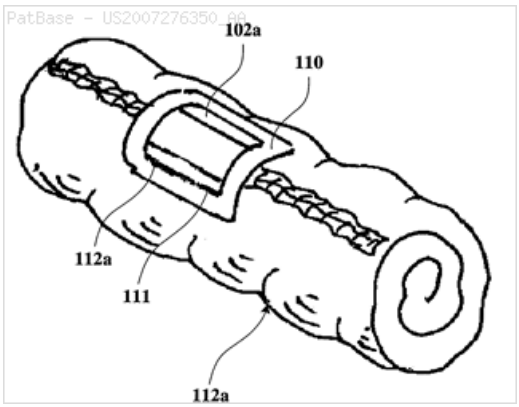
				Term Expiry	
IN02671CN2013 A	20140711	LSPB	+	published / reissued	
JP2012075637 A2	20120419	LSPB	+	published / reissued	
JP2012075637 A2	20131001	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A621 Effective date: 20130930
JP2012075637 A2	20141001	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20140930 Text: JAPANESE INTERMEDIATE CODE: A131
JP2012075637 A2	20141129	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20141128
JP2012075637 A2	20150513	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2012075637 A2	20150520	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20150519 Text: JAPANESE INTERMEDIATE CODE: A01
JP2012075637 A2	20150625	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Text: JAPANESE INTERMEDIATE CODE: A61 Effective date: 20150616
JP5765910 B2	20150521	LSGT	+A01	特許査定書	
JP5765910 B2	20150521	LSGT	+A01	特許査定書	Effective date: 20150519
JP5765910 B2	20150623	LSFE	R100	特許料納付書	
JP5765910 B2	20150623	LSFE	R100	特許料納付書	Effective date: 20150616 Text: 51501214203
JP5765910 B2	20150626	LSGT	+R150	特許証	
JP5765910 B2	20150626	LSGT	+R150	特許証	Effective date: 20150707
JP5765910 B2	20150819	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5765910 B2	20180517	LSFE	R20	特許料納付書	
JP5765910 B2	20180517	LSFE	R20	特許料納付書	Text: 51800973652 Effective date: 20180510
JP5765910 B2	20180522	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5765910 B2	20180522	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5765910 B2	20180522	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20180529
JP5765910 B2	20190516	LSFE	R20	特許料納付書	
JP5765910 B2	20190516	LSFE	R20	特許料納付書	Text: 51900990781 Effective date: 20190510
JP5765910 B2	20190521	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5765910 B2	20190521	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5765910 B2	20190521	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20190531
JP5765910 B2	20200513	LSFE	R20	特許料納付書	Text: 52000966297 Effective date: 20200512
JP5765910 B2	20200514	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5765910 B2	20200514	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20200529
JP5765910 B2	20300930	PEXP		Calculated Patent Term Expiry	
TH128125 A	20131015	LSPB	+	published / reissued	

45) Family number: 31450157 (US2007276350 AA)

Title: **ABSORBENT ARTICLE**

Abstract: An **absorbent** **article** having a fastening sticker which cannot be drawn out by its wearer, such as an infant wearing it, but is freely attachable to and detachable from the outer surface of the main body of the **article**, can be used whenever and as often as necessary, and has a very wide range of uses including the tightening of the paper **diaper** on the body of its wearer, the repair of its side when its side seal is broken, and moreover the intellectual training of the infant, and an **absorbent** **article** having a front body side and a back body side formed by folding at the longitudinal middle point of the main body of the **article** having an **absorbent** inserted between a liquid-permeable top sheet on the body side and a back sheet on the outside, the **absorbent** **article** having a fastening sticker to be used for its **disposal**, characterized in that the fastening sticker is formed from a **disposable** sheet attached to the outer surface of the **article**, such as a sheet-like member capable of being re-stuck to and re-peeled off the outer surface of the back sheet and separable completely from the main body of the **article**.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/496 A61F13/514 A61F13/551 A61F13/84
International (IPC 1-7): A61F13/15 A61F13/496 A61F13/551
CPC: A61F13/5511 A61F13/5512
US: 604/385.13 604/385.130P



Family:

Publication number	Publication date	Application number	Application date
JP2005013598 A2	20050120	JP20030185447	20030627
JP2009297547 A2	20091224	JP20090223135	20090928
JP4530249 B2	20100825	JP20030185447	20030627
JP4828625 B2	20111130	JP20090223135	20090928
US2007276350 AA	20071129	US20040562588	20040624
WO05000178 A1	20050106	WO2004JP09292	20040624

Priority:
JP20030185447 20030627 WO2004JP09292 20040624 JP20090223135 20090928

Probable Assignee: KT CORP
Assignee(s): (std): DAIO SEISHI KK ; LEE SEONG CHOON ; MORI YOSUKE ; PARK YOUNG MAN ; TCHA YONG JOO
Assignee(s): DAIO PAPER CORP ; DAIO PAPER CORPORATION ; KT CORP ; 大王製紙株式会社
Inventor(s): (std): LEE SEONG CHOON ; MORI YOSUKE ; PARK YOUNG MAN ; TCHA YONG JOO
Inventor(s): 森 洋介
Agent(s): LADAS AND PARRY; 五十嵐 貞喜; 北野 進; 安形 雄三; 石井 明夫
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 KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
JP2005013598 A2	20050120	LSPB	+	published / reissued	
JP2005013598 A2	20051210	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Effective date: 20051209 Text: JAPANESE INTERMEDIATE CODE: A621
JP2005013598 A2	20081021	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20081021 Text: JAPANESE INTERMEDIATE CODE: A131
JP2005013598 A2	20081219	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20081218 Text: JAPANESE INTERMEDIATE CODE: A523
JP2005013598 A2	20090805	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20090804 Text: JAPANESE INTERMEDIATE CODE: A131
JP2005013598 A2	20090929	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20090928 Text: JAPANESE INTERMEDIATE CODE: A523
JP2005013598 A2	20100511	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	

JP2005013598 A2	20100519	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20100518 Text: JAPANESE INTERMEDIATE CODE: A01
JP2005013598 A2	20100520	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01
JP2005013598 A2	20100610	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective date: 20100603 Text: JAPANESE INTERMEDIATE CODE: A61
JP2005013598 A2	20100621	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP2009297547 A2	20091224	LSPB	+	published / reissued	
JP2009297547 A2	20110517		A977	REPORT ON RETRIEVAL	Effective date: 20110517 Text: JAPANESE INTERMEDIATE CODE: A971007
JP2009297547 A2	20110525	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20110524 Text: JAPANESE INTERMEDIATE CODE: A131
JP2009297547 A2	20110721	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20110720 Text: JAPANESE INTERMEDIATE CODE: A523
JP2009297547 A2	20110831	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2009297547 A2	20110907	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20110906 Text: JAPANESE INTERMEDIATE CODE: A01
JP2009297547 A2	20110908	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01
JP2009297547 A2	20110922	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective date: 20110914 Text: JAPANESE INTERMEDIATE CODE: A61
JP2009297547 A2	20110922	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP4530249 B2	20100520	LSGT	+A01	特許査定書	
JP4530249 B2	20100520	LSGT	+A01	特許査定書	Effective date: 20100518
JP4530249 B2	20100608	LSFE	R100	特許料納付書	
JP4530249 B2	20100608	LSFE	R100	特許料納付書	Effective date: 20100603 Text: 51001144004
JP4530249 B2	20100618	LSGT	+R150	特許証	
JP4530249 B2	20100618	LSGT	+R150	特許証	Effective date: 20100629
JP4530249 B2	20100825	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4530249 B2	20110629	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP4530249 B2	20110629	LSFE	R2521	自動納付登録通知書	
JP4530249 B2	20110629	LSFE	R2521	自動納付登録通知書	Effective date: 20110705
JP4530249 B2	20130306	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP4530249 B2	20130416	LSFE	R2522	自動納付事前通知書	
JP4530249 B2	20130416	LSFE	R2522	自動納付事前通知書	Effective date: 20130419
JP4530249 B2	20130418	LSFE	+FPAY	RENEWAL FEE	Year of fee payment: 3

				PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	
JP4530249 B2	20130418	LSFE	R2001	特許料納付書 (自動納付)	
JP4530249 B2	20130418	LSFE	R2001	特許料納付書 (自動納付)	Effective date: 20130509 Text: 01370017188
JP4530249 B2	20130521	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4530249 B2	20130521	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4530249 B2	20130521	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20130528
JP4530249 B2	20140415	LSFE	R2522	自動納付事前通知書	
JP4530249 B2	20140415	LSFE	R2522	自動納付事前通知書	Effective date: 20140418
JP4530249 B2	20140417	LSFE	R2001	特許料納付書 (自動納付)	
JP4530249 B2	20140417	LSFE	R2001	特許料納付書 (自動納付)	Effective date: 20140509 Text: 01470020878
JP4530249 B2	20140520	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4530249 B2	20140520	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4530249 B2	20140520	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20140527
JP4530249 B2	20150414	LSFE	R2522	自動納付事前通知書	
JP4530249 B2	20150414	LSFE	R2522	自動納付事前通知書	Effective date: 20150417
JP4530249 B2	20150416	LSFE	R2001	特許料納付書 (自動納付)	
JP4530249 B2	20150416	LSFE	R2001	特許料納付書 (自動納付)	Effective date: 20150509 Text: 01570025393
JP4530249 B2	20150526	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4530249 B2	20150526	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4530249 B2	20150526	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20150602
JP4530249 B2	20160412	LSFE	R2522	自動納付事前通知書	
JP4530249 B2	20160412	LSFE	R2522	自動納付事前通知書	Effective date: 20160415
JP4530249 B2	20160414	LSFE	R2001	特許料納付書 (自動納付)	
JP4530249 B2	20160414	LSFE	R2001	特許料納付書 (自動納付)	Effective date: 20160509 Text: 01670027977
JP4530249 B2	20160524	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4530249 B2	20160524	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4530249 B2	20160524	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20160531
JP4530249 B2	20170411	LSFE	R2522	自動納付事前通知書	
JP4530249 B2	20170411	LSFE	R2522	自動納付事前通知書	Effective date: 20170414
JP4530249 B2	20170413	LSFE	R2001	特許料納付書 (自動納付)	
JP4530249 B2	20170413	LSFE	R2001	特許料納付書 (自動納付)	Effective date: 20170509 Text: 01770036362
JP4530249 B2	20170523	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4530249 B2	20170523	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4530249 B2	20170523	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20170530
JP4530249 B2	20180410	LSFE	R2522	自動納付事前通知書	
JP4530249 B2	20180410	LSFE	R2522	自動納付事前通知書	Effective date: 20180413
JP4530249 B2	20180412	LSFE	R2001	特許料納付書 (自動納付)	
JP4530249 B2	20180412	LSFE	R2001	特許料納付書 (自動納付)	Effective date: 20180509 Text: 01870038742
JP4530249 B2	20180522	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250

JP4530249 B2	20180522	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4530249 B2	20180522	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20180529
JP4530249 B2	20190416	LSFE	R2522	自動納付事前通知書	
JP4530249 B2	20190416	LSFE	R2522	自動納付事前通知書	Effective date: 20190419
JP4530249 B2	20190418	LSFE	R2001	特許料納付書 (自動納付)	
JP4530249 B2	20190418	LSFE	R2001	特許料納付書 (自動納付)	Effective date: 20190509 Text: 01970041221
JP4530249 B2	20190521	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4530249 B2	20190521	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4530249 B2	20190521	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20190531
JP4530249 B2	20200414	LSFE	R2522	自動納付事前通知書	Effective date: 20200417
JP4530249 B2	20200416	LSFE	R2001	特許料納付書 (自動納付)	Effective date: 20200509 Text: 02070042979
JP4530249 B2	20200520	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4530249 B2	20200520	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20200605
JP4530249 B2	20230627	PEXP		Calculated Patent Term Expiry	
JP4828625 B2	20110908	LSGT	+A01	特許査定書	
JP4828625 B2	20110920	LSFE	R100	特許料納付書	
JP4828625 B2	20110922	LSGT	+R150	特許証	
JP4828625 B2	20111130	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4828625 B2	20120307	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP4828625 B2	20120307	LSFE	R2521	自動納付登録通知書	
JP4828625 B2	20140715	LSFE	R2522	自動納付事前通知書	
JP4828625 B2	20140717	LSFE	R2001	特許料納付書 (自動納付)	
JP4828625 B2	20140826	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4828625 B2	20140826	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4828625 B2	20150721	LSFE	R2522	自動納付事前通知書	
JP4828625 B2	20150723	LSFE	R2001	特許料納付書 (自動納付)	
JP4828625 B2	20150825	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4828625 B2	20150825	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4828625 B2	20160719	LSFE	R2522	自動納付事前通知書	
JP4828625 B2	20160721	LSFE	R2001	特許料納付書 (自動納付)	
JP4828625 B2	20160830	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4828625 B2	20160830	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4828625 B2	20170718	LSFE	R2522	自動納付事前通知書	
JP4828625 B2	20170720	LSFE	R2001	特許料納付書 (自動納付)	
JP4828625 B2	20170829	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4828625 B2	20170829	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4828625 B2	20180717	LSFE	R2522	自動納付事前通知書	
JP4828625 B2	20180719	LSFE	R2001	特許料納付書 (自動納付)	
JP4828625 B2	20180828	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250

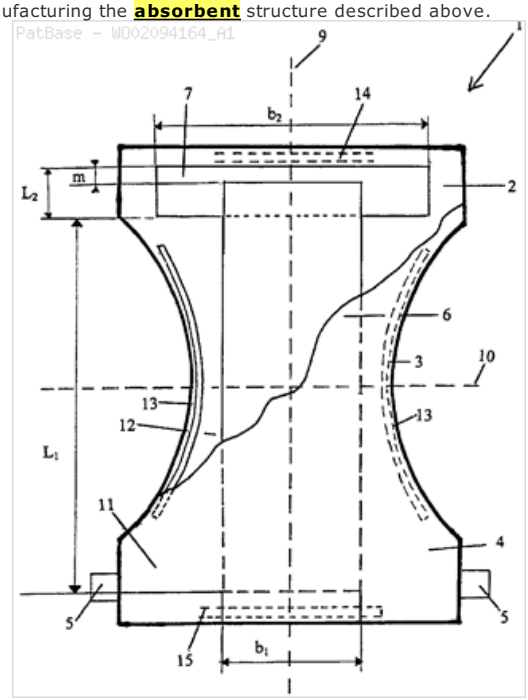
JP4828625 B2	20180828	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4828625 B2	20190716	LSFE	R2522	自動納付事前通知書	
JP4828625 B2	20190718	LSFE	R2001	特許料納付書 (自動納付)	
JP4828625 B2	20190827	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4828625 B2	20190827	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4828625 B2	20290928	PEXP		Calculated Patent Term Expiry	
US2007276350 AA	20060602	LSAS	AS	ASSIGNMENT	Effective date: 20051228 OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:MORI, YOSUKE;REEL/FRAME:017954/0584 Owner: DAIO PAPER CORPORATION, JAPAN PartyType: owner
US2007276350 AA	20060825	LSAS	AS	ASSIGNMENT	Effective date: 20060413 OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:PARK, YOUNG-MAN;LEE, SEONG-CHOON;TCHA, YONG-JOO;REEL/FRAME:018251/0443 Owner: KT CORPORATION, KOREA, REPUBLIC OF PartyType: owner
US2007276350 AA	20071129	LSPB	+	published / reissued	
US2007276350 AA	20100407	LSWD	ABD3	Abandoned -- Failure to Respond to an Office Action	
US2007276350 AA	20100407		-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	Text: ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
WO05000178 A1	20050106	LSPB	+	published / reissued	
WO05000178 A1	20050106		+AK	DESIGNATED STATES	Kind code of Ref document: A1 Country of Ref document: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
WO05000178 A1	20050106		+AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS	Kind code of Ref document: A1 Country of Ref document: AM AT AZ BE BF BG BJ BW BY CF CG CH CI CM CY CZ DE DK EE ES FI FR GA GB GH GM GN GQ GR GW HU IE IT KE KG KZ LS LU MC MD ML MR MW MZ NA NE NL PL PT RO RU SD SE SI SK SL SN SZ TD TG TJ TM TR TZ UG ZM ZW
WO05000178 A1	20050309		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	
WO05000178 A1	20060530	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 10562588 Country of Ref document: US
WO05000178 A1	20060726	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	Ref country code: WO
WO05000178 A1	20071129	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	Ref document number: 10562588 Country of Ref document: US

46) Family number: 24677585 (WO02094164 A1)

Title: NEW **ABSORBENT** STRUCTURE

Abstract: The present invention relates to an **absorbent** product, such as a **diaper** or an incontinence garment, having a longitudinal and a lateral direction, comprising a back sheet, being distal from the body of the wearer in use of the garment, and a top sheet, being proximal to the body of the wearer in use of the garment, said product having a front part, a rear part and a crotch part lying between the front and rear parts, the product further comprising an **absorbent** structure, between the top and back sheet, extending longitudinally from the front part to the rear part, characterised in that the **absorbent** structure comprises at least two separate **absorbent** cores, whereby at least one first **absorbent** core extends longitudinally from the front to the rear part, and at least one second **absorbent** core is **disposed** in the front part or in the rear part. In this way, a great manufacturing flexibility is introduced, and the storage capacity of the second **absorbent** core can be fully used. Further, the invention relates to a method for manufacturing the **absorbent** structure described above.

Classifications:
International (IPC 8-9): A61F13/15
International (IPC 1-7): A61F13/15
CPC: A61F13/15666 A61F13/15699 A61F13/532 A61F13/535



Family:

Publication number	Publication date	Application number	Application date
AT305763 E	20051015	AT20020733686T	20020515
DE60206504 D1	20051110	DE20026006504T	20020515
DE60206504 T2	20060713	DE20026006504T	20020515
DE60206504 T3	20090610	DE20026006504T	20020515
EP1401365 A1	20040331	EP20020733686	20020515
EP1401365 B1	20051005	EP20020733686	20020515
EP1401365 B2	20081022	EP20020733686	20020515
PL367247 A1	20050221	PL20020367247	20020515
SE200101757 A0	20010518	SE20010001757	20010518
SE200101757 L	20021119	SE20010001757	20010518
WO02094164 A1	20021128	WO2002SE00924	20020515

Priority:
SE20010001757 20010518 WO2002SE00924 20020515

Probable Assignee: SCA HYGIENE PROD AB
Assignee(s): (std): SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB
Assignee(s): SCA HYGIENE PRODUCTS AB GOETEBORG GOTENBURG
Inventor(s): (std): GANDEMO TOMAS ; KLING ROBERT
Inventor(s): ROBERT KLING ; TOMAS GANDEMO
Agent(s): ANDERSSON PER RUNE 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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AT305763 E	20051015	LSGT	+	granted / extensions (spc, cpc, pte)	
AT305763 E	20060415	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	

AT305763 E	20220515	PEXP		Calculated Patent Term Expiry	
DE60206504 D1	20060928	LSOP	-8363	OPPOSITION AGAINST THE PATENT	
DE60206504 D1	20090102	LSOP	+8366	RESTRICTED MAINTAINED AFTER OPPOSITION PROCEEDINGS	
DE60206504 D1	20190213	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PartyType: Owner Owner: Essity Hygiene and Health Aktiebolag, Göteborg/Gotenburg, SE OldParty: SCA Hygiene Products AB, Göteborg/Gotenburg, SE
DE60206504 T2	20060713	LSGT	+	granted / extensions (spc, cpc, pte)	
DE60206504 T2	20060928	LSOP	-8363	OPPOSITION AGAINST THE PATENT	
DE60206504 T2	20090102	LSOP	+8366	RESTRICTED MAINTAINED AFTER OPPOSITION PROCEEDINGS	
DE60206504 T2	20220515	PEXP		Calculated Patent Term Expiry	
DE60206504 T3	20090610	LSGT	+	granted / extensions (spc, cpc, pte)	
DE60206504 T3	20190213	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	OldParty: SCA Hygiene Products AB, Göteborg/Gotenburg, SE PartyType: Owner Owner: Essity Hygiene and Health Aktiebolag, Göteborg/Gotenburg, SE
DE60206504 T3	20220515	PEXP		Calculated Patent Term Expiry	
EP1401365 A1	20040331	LSPB	+	published / reissued	
EP1401365 A1	20040331	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20031023
EP1401365 A1	20040331		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
EP1401365 A1	20040331		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL LT LV MK RO SI
EP1401365 A1	20041208	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20041021
EP1401365 A1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170510 Year of fee payment: 16 Country of Ref document: GB
EP1401365 B1	20051005	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1401365 B1	20051005		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
EP1401365 B1	20051005	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20051005 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP1401365 B1	20051005	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20051005 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BE
EP1401365 B1	20051005	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20051005 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CH
EP1401365 B1	20051005	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY

				INFORMATION FROM NATIONAL OFFICE TO EPO]	THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20051005 Country of Ref document: FI
EP1401365 B1	20051005	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20051005 Country of Ref document: LI
EP1401365 B1	20051005	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP1401365 B1	20051014	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: EP Ref country code: CH
EP1401365 B1	20051102	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: IE
EP1401365 B1	20051110		REF	CORRESPONDS TO:	Date of Ref document: 20051110 Ref document number: 60206504 Kind code of Ref document: P Country of Ref document: DE
EP1401365 B1	20060105	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20060105 Country of Ref document: DK
EP1401365 B1	20060105	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060105 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP1401365 B1	20060116	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060116 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP1401365 B1	20060117		REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: TRGR
EP1401365 B1	20060306	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20060306 Country of Ref document: PT
EP1401365 B1	20060413	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP1401365 B1	20060515	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060515 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP1401365 B1	20060531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20060531 Country of Ref document: MC
EP1401365 B1	20060609		+ET	FR: TRANSLATION FILED	
EP1401365 B1	20060816	LSOP	-26	OPPOSITION FILED	Effective date: 20060705 PartyType: opponent Opponent: PAUL HARTMANN AG
EP1401365 B1	20061002	LSOP	-NLR1	NL: OPPOSITION HAS BEEN FILED WITH THE EPO	PartyType: opponent Ref country code: EP Opponent: PAUL HARTMANN AG
EP1401365 B1	20070221	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP1401365 B1	20080731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20060515

				INFORMATION FROM NATIONAL OFFICE TO EPO]	Country of Ref document: LU
EP1401365 B1	20080731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20051005 Country of Ref document: TR
EP1401365 B1	20220515	PEXP		Calculated Patent Term Expiry	
EP1401365 B2	20081022	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1401365 B2	20081022	LSRE	27A	PATENT MAINTAINED IN AMENDED FORM	Effective date: 20081022
EP1401365 B2	20081022		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B2 Country of Ref document: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
EP1401365 B2	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20051005 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CY
EP1401365 B2	20081216	LSLE	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20060516 Ref country code: ES Ref legal event code: FD2A
EP1401365 B2	20090105	LSOP	NLR2	NL: DECISION OF OPPOSITION	Effective date: 20081022 Ref country code: EP
EP1401365 B2	20090203	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: RPEO
EP1401365 B2	20090401		+NLR3	NL: RECEIPT OF MODIFIED TRANSLATIONS IN THE NETHERLANDS LANGUAGE AFTER AN OPPOSITION PROCEDURE	
EP1401365 B2	20090731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20090527 Year of fee payment: 8 Country of Ref document: NL
EP1401365 B2	20090831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20090529 Year of fee payment: 8 Country of Ref document: FR
EP1401365 B2	20090831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20090523 Year of fee payment: 8 Country of Ref document: IT
EP1401365 B2	20090831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20090525 Year of fee payment: 8 Country of Ref document: SE
EP1401365 B2	20101208	LSLE	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20101201 Ref country code: NL Ref legal event code: V1
EP1401365 B2	20110215	LSLE	-EUG	SE: EUROPEAN PATENT HAS LAPSED	Ref country code: EP
EP1401365 B2	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20101201 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: NL
EP1401365 B2	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100515 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IT
EP1401365 B2	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100516 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: SE

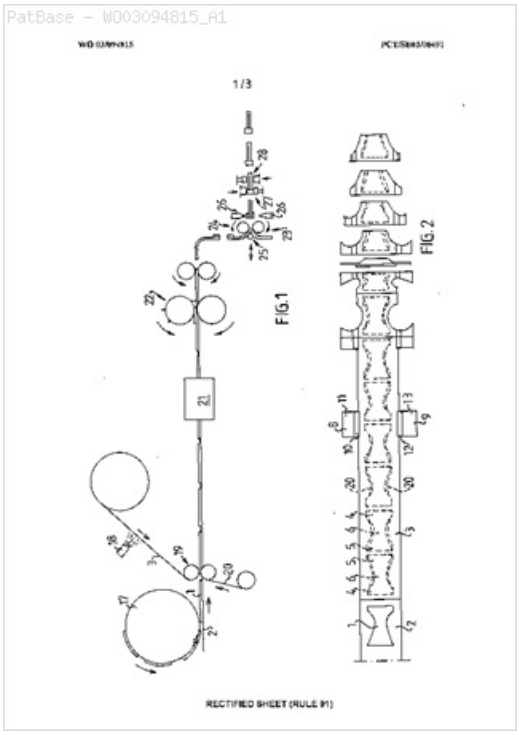
EP1401365 B2	20110902	LSLE	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20110729 Ref country code: FR Ref legal event code: ST
EP1401365 B2	20111031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100531 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: FR
EP1401365 B2	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170509 Year of fee payment: 16 Country of Ref document: DE
EP1401365 B2	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180329 Year of fee payment: 17 Country of Ref document: GB
EP1401365 B2	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180502 Year of fee payment: 17 Country of Ref document: DE
EP1401365 B2	20190213		REG	REFERENCE TO A NATIONAL CODE	PartyType: representative Ref country code: DE Ref document number: 60206504 Ref legal event code: R082 Representative: HOFFMANN - EITLE PATENT- UND RECHTSANWAELTE PA, DE Country of Ref document: DE
EP1401365 B2	20190213	LSAS	REG	REFERENCE TO A NATIONAL CODE	OldParty: FORMER OWNER: SCA HYGIENE PRODUCTS AB, GOETEBORG/GOTENBURG, SE Owner: ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE PartyType: owner Ref country code: DE Ref document number: 60206504 Ref legal event code: R081 Country of Ref document: DE
EP1401365 B2	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190430 Year of fee payment: 18 Country of Ref document: DE
EP1401365 B2	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190515 Year of fee payment: 18 Country of Ref document: GB
EP1401365 B2	20200731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20200506 Year of fee payment: 19 Country of Ref document: DE
EP1401365 B2	20220515	PEXP		Calculated Patent Term Expiry	
PL367247 A1	20050221	LSPB	+	published / reissued	
PL367247 A1	20100730	LSRV	-REFS	DECISIONS ON REFUSAL TO GRANT PATENTS (TAKEN AFTER THE PUBLICATION OF THE PARTICULARS OF THE APPLICATIONS)	
SE200101757 L	20040720	LSLE	-NAV	PATENT APPLICATION HAS LAPSED	

47) Family number: 29779164 (WO03094815 A1)

Title: METHOD FOR PRODUCTION OF **DIAPER** PANTS

Abstract: The present invention relates to a method for production of **disposable** **diaper** pants or of a sanitary panty of the **disposable** type with openable and resealable side panels (8, 9), characterized by the following steps: a) a web (1, 2, 3) of interconnected **diaper** pants blanks, which each comprise an absorption body (1) enclosed between an inner cover sheet (2) of liquid-permeable material and an outer cover sheet (3) of liquid-impermeable material and have a front portion (4) and a rear portion (5) and an intermediate crotch portion (6), is formed by means of a row of absorption bodies (1) being applied on a continuous web of inner or outer cover sheet material (2 or 3) so that the front portions (4) and the rear portions (5) of adjacent **diaper** pants blanks in the web of interconnected **diaper** pants blanks are directed toward each other, after which a continuous web of outer or inner cover sheet material is applied to the web with absorption bodies and secured to it in those parts thereof which lie outside the absorption bodies, b) separate side panels (8, 9) connected to each other are secured to the side portions of each of the adjacent front portions or each of the adjacent rear portions of the **diaper** pants blanks, each side panel (8, 9) comprising two parts (10, 11 and 12, 13 respectively) which are connected to each other by means of a detachable and resealable connection (14), c) individual **diaper** pants blanks provided with side panels (8, 9) are cut out from the web of interconnected **diaper** pants blanks, d) each **diaper** pants blank is folded about a transverse axis in the crotch portion so that the front and rear edges of the blank lie against each other, e) after which the side panels of each **diaper** pants blank are folded in toward those side portions of either the rear portion or front portion which have no side panel and are secured thereto. The invention also relates to **diaper** pants produced by means of the method.

Classifications:
International (IPC 8-9): A41F1/00 A61F13/15 A61F13/472 A61F13/49 A61F13/496 A61F13/56
International (IPC 1-7): A41F1/00 A61F13/15 A61F13/472 A61F13/49 A61F13/496 A61F13/56
CPC: A61F13/15747 A61F13/15756 A61F13/565



Family:

Publication number	Publication date	Application number	Application date
AT514405 E	20110715	AT20030750006T	20030325
AU2003216018 AA	20031124	AU20030216018	20030325
CO5611084 A2	20060228	CO20040097204	20040929
DE60337562 D1	20110818	DE20036037562	20030325
EP1490007 A1	20041229	EP20030750006	20030325
EP1490007 B1	20110629	EP20030750006	20030325
JP2005521543 T2	20050721	JP20040502905T	20030325
JP4429897 B2	20100310	JP20040502905T	20030325
PL371548 A1	20050627	PL20030371548	20030325
RU2004131853 A	20050420	RU20040131853	20030325
RU2308926 C2	20071027	RU20040131853	20030325
SE200200987 A0	20020402	SE20020000987	20020402
WO03094815 A1	20031120	WO2003SE00491	20030325

Priority:
SE20020000987 20020402 WO2003SE00491 20030325 EP20030750006 20030325

Probable Assignee: SCA HYGIENE PROD AB

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

Assignee(s): SKA KHAJDZHIN PRODAKTS AB ; СКА ХАЙДЖИН ПРОДАКТС АБ ; СКА ХАЙДЖИН ПРОДАКТС АБ (SE) ; エシティ ハイジーン アンド ヘルス アクチエボラグ ; エスセーアー ハイジーン プロダクツ アーベー

Inventor(s): (std): EHRVAST LENNART ; ERWAST LENNART ; FERNFORS INGEMAR ; KARLSSON BIRGITTA ; SKOGSBERG JOHAN ; SKOGSBERG JOKHAN ; VIDLUND URBAN ; WIDLUND URBAN

Inventor(s): BIRGITTA KARLSSON ; INGEMAR FERNFORS ; JOHAN SKOGSBERG ; LENNART ERWAST ; URBAN WIDLUND ; ВИДЛУНД УРБАН ; ВИДЛУНД Урбан (SE) ; КАРЛССОН БИРГИТТА ; КАРЛССОН Биргитта (SE) ; СКОГСБЕРГ ЙОХАН ; СКОГСБЕРГ Йохан (SE) ; ФЕРНФОРС ИНГЕМАР ; ФЕРНФОРС Ингемар (SE) ; ЭРВАСТ ЛЕННАРТ ; ЭРВАСТ Леннарт (SE) ; ウィドルンド ウルバン ; エルワスト レナート ; カールソン ビルジッタ ; スコグスベルグ ヨハン ; フェルンフォルス インゲマル

Agent(s): HOFFMANN EITLE PATENT U RECHTSANWAELTE PARTMBB; HYLTNER JAN OLOF; 実広 信哉; 志賀 正武; 村山 靖彦; 渡邊 隆

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AT514405 E	20110715	LSGT	+	granted / extensions (spc, cpc, pte)	
AT514405 E	20111215	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT514405 E	20230325	PEXP		Calculated Patent Term Expiry	
AU2003216018 AA	20031124	LSPB	+	published / reissued	
AU2003216018 AA	20041216	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2) (F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
AU2003216018 AA	20091105		TH	CORRIGENDA	Text: IN VOL 18, NO 2, PAGE(S) 580 UNDER THE HEADING APPLICATIONS OPI - NAME INDEX UNDER THE NAME SCA HYGIENE PRODUCTS AB, APPLICATION NO. 2003216018 , UNDER INID (43) CORRECT THE PUBLICATION DATE TO READ 24.11.2003
CO5611084 A2	20060228	LSPB	+	published / reissued	
CO5611084 A2	20080130	LSGT	+FG	APPLICATION GRANTED	
CO5611084 A2	20111021	LSLE	-FD	APPLICATION LAPSED	
DE60337562 D1	20110627	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	Owner: SCA Hygiene Products AB, Göteborg/Gotenburg, SE OldParty: SCA Hygiene Products AB, Göteborg/Gotenburg, SE PartyType: Owner
DE60337562 D1	20181002	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
EP1490007 A1	20041229	LSPB	+	published / reissued	
EP1490007 A1	20041229	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20040907
EP1490007 A1	20041229		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR
EP1490007 A1	20041229		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL LT LV MK
EP1490007 A1	20100728	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20100629
EP1490007 A1	20160531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20160323 Year of fee payment: 14 Country of Ref document: GB
EP1490007 B1	20110629	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1490007 B1	20110629		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR
EP1490007 B1	20110629	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP1490007 B1	20110630	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP1490007 B1	20110720	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: IE
EP1490007 B1	20110818	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Effective date: 20110818

					Ref legal event code: R096 Ref document number: 60337562 Country of Ref document: DE
EP1490007 B1	20111019	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20110629 Ref legal event code: VDEP Ref country code: NL
EP1490007 B1	20111031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110629 Country of Ref document: SE
EP1490007 B1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110930 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP1490007 B1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110629 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP1490007 B1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110629 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP1490007 B1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110629 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP1490007 B1	20111230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110629 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BE
EP1490007 B1	20120131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110629 Country of Ref document: EE
EP1490007 B1	20120131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110629 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NL
EP1490007 B1	20120131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20111031 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP1490007 B1	20120131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110629 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP1490007 B1	20120229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110629 Country of Ref document: CY
EP1490007 B1	20120229	LSLE	-PG25	LAPSED IN A	Lapsed date: 20110629

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP1490007 B1	20120229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110629 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP1490007 B1	20120531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110629 Country of Ref document: IT
EP1490007 B1	20120606	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20120330
EP1490007 B1	20120629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110629 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP1490007 B1	20120802	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R097 Ref country code: DE Effective date: 20120330 Ref document number: 60337562 Country of Ref document: DE
EP1490007 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120331 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: MC
EP1490007 B1	20121031	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PL Ref country code: CH
EP1490007 B1	20121221	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: ST Ref country code: FR Effective date: 20121130
EP1490007 B1	20130102	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MM4A Ref country code: IE
EP1490007 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20120325 Country of Ref document: IE
EP1490007 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120331 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP1490007 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20120402 Country of Ref document: FR
EP1490007 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20120331 Country of Ref document: LI
EP1490007 B1	20130430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20111010 Country of Ref document: ES
EP1490007 B1	20130628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY

				INFORMATION FROM NATIONAL OFFICE TO EPO]	THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110929 Country of Ref document: BG
EP1490007 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110629 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP1490007 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20120325 Country of Ref document: LU
EP1490007 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20030325 Country of Ref document: HU
EP1490007 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170321 Year of fee payment: 15 Country of Ref document: DE
EP1490007 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 15 Payment date: 20170322 Country of Ref document: GB
EP1490007 B1	20181002	LSDW	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref legal event code: R119 Ref document number: 60337562 Country of Ref document: DE
EP1490007 B1	20181121	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Ref country code: EP Effective date: 20180325
EP1490007 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20181002 Country of Ref document: DE
EP1490007 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180325 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: GB
EP1490007 B1	20230325	PEXP		Calculated Patent Term Expiry	
JP2005521543 T2	20050721	LSPB	+	published / reissued	
JP2005521543 T2	20060302	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20060301 Text: JAPANESE INTERMEDIATE CODE: A523
JP2005521543 T2	20060302	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A621 Effective date: 20060301
JP2005521543 T2	20080726		RD04	NOTIFICATION OF RESIGNATION OF POWER OF ATTORNEY	Effective date: 20080725 Text: JAPANESE INTERMEDIATE CODE: A7424
JP2005521543 T2	20080814		RD03	NOTIFICATION OF APPOINTMENT OF POWER OF ATTORNEY	Text: JAPANESE INTERMEDIATE CODE: A7423 Effective date: 20080813
JP2005521543 T2	20081127		A977	REPORT ON RETRIEVAL	Effective date: 20081127 Text: JAPANESE INTERMEDIATE CODE: A971007
JP2005521543 T2	20081203	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20081202 Text: JAPANESE INTERMEDIATE CODE: A131
JP2005521543 T2	20090228	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20090227 Text: JAPANESE INTERMEDIATE CODE: A523
JP2005521543 T2	20091109	LSGT	+TRDD	DECISION OF GRANT OR REJECTION	

				WRITTEN	
JP2005521543 T2	20091118	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01 Effective date: 20091117
JP2005521543 T2	20091119	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01
JP2005521543 T2	20091224	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Text: JAPANESE INTERMEDIATE CODE: A61 Effective date: 20091216
JP2005521543 T2	20091225	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP4429897 B2	20091119	LSGT	+A01	特許査定書	
JP4429897 B2	20091222	LSFE	R100	特許料納付書	
JP4429897 B2	20091225	LSGT	+R150	特許証	
JP4429897 B2	20100310	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4429897 B2	20121213	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP4429897 B2	20121213	LSFE	R20	特許料納付書	
JP4429897 B2	20121218	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 4
JP4429897 B2	20121218	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4429897 B2	20121218	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4429897 B2	20131128	LSFE	R20	特許料納付書	
JP4429897 B2	20131203	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4429897 B2	20131203	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4429897 B2	20141204	LSFE	R20	特許料納付書	
JP4429897 B2	20141209	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4429897 B2	20141209	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4429897 B2	20151203	LSFE	R20	特許料納付書	
JP4429897 B2	20151208	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4429897 B2	20151208	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4429897 B2	20161201	LSFE	R20	特許料納付書	
JP4429897 B2	20161206	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4429897 B2	20161206	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4429897 B2	20171130	LSFE	R20	特許料納付書	
JP4429897 B2	20171205	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4429897 B2	20171205	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4429897 B2	20181225	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP4429897 B2	20230325	PEXP		Calculated Patent Term Expiry	
PL371548 A1	20050627	LSPB	+	published / reissued	
PL371548 A1	20120430	LSRV	-REFS	DECISIONS ON REFUSAL TO GRANT PATENTS (TAKEN AFTER THE PUBLICATION OF THE PARTICULARS OF THE APPLICATIONS)	

RU2004131853 A	20050420	LSPB	+	published / reissued

48) Family number: 71784612 (WO20049109 A1)

Title: HYGIENE **ARTICLE** COMPRISING A SKIN PROTECTION SHEET WITH WELL POSITIONED OPENING(S)

Abstract: The present invention relates to the field of hygiene appliances, in particular to a means for reducing soiling of the skin of a wearer upon defecation. In particular, it relates to a hygiene **article** comprising a skin protection sheet that comprises a discontinuity as a faeces passageway, such as an opening or a slit. In use, the sheet and the discontinuity are urged towards the anus by a pull means and spread open by a spreading means, such that faeces can pass through the discontinuity but are separated from the skin of the wearer elsewhere.

Classifications:
International (IPC 8-9): A61F13/495
CPC: A61F13/495

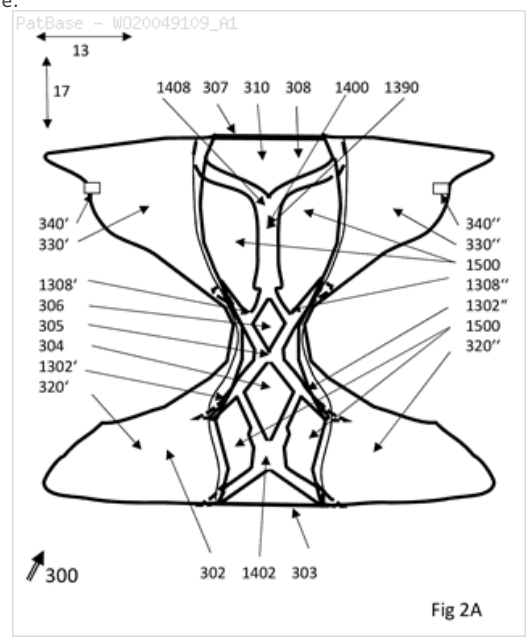


Fig 2A

Family:

Publication number	Publication date	Application number	Application date
GB201814501 A0	20181024	GB20180014501	20180906
GB201821151 A0	20190206	GB20180021151	20181221
GB201905408 A0	20190529	GB20190005408	20190417
GB201911011 A0	20190918	GB20190011011	20190801
WO20049109 A1	20200312	WO2019EP73716	20190905

Priority:
GB20180014501 20180906 GB20180021151 20181221 GB20190005408 20190417 GB20190011011 20190801

Probable Assignee: CONCEPTS FOR SUCCESS C4S
Assignee(s): (std): CONCEPTS FOR SUCCESS C4S
Inventor(s): (std): SCHMITZ CHRISTOPH
Agent(s): PLISCHKE MANFRED
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

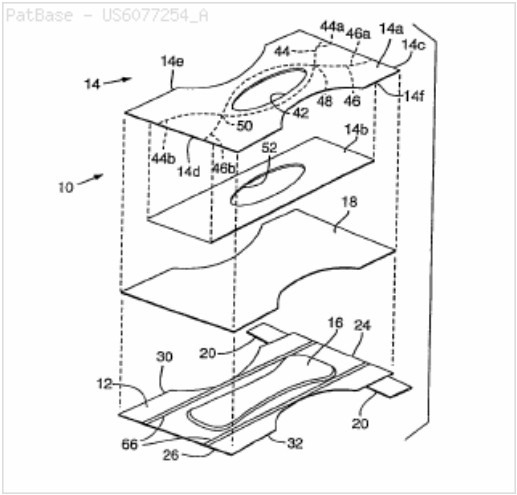
Patent	Date recorded	Event group	Code	Event	Details
GB201814501 A0	20200304	LSWD	-AT	APPLICATIONS TERMINATED BEFORE PUBLICATION UNDER SECTION 16(1)	
GB201821151 A0	20200304	LSWD	-AT	APPLICATIONS TERMINATED BEFORE PUBLICATION UNDER SECTION 16(1)	
GB201905408 A0	20200304	LSWD	-AT	APPLICATIONS TERMINATED BEFORE PUBLICATION UNDER SECTION 16(1)	
GB201911011 A0	20200422	LSWD	-AT	APPLICATIONS TERMINATED BEFORE PUBLICATION UNDER SECTION 16(1)	
WO20049109 A1	20200312	LSPB	+	published / reissued	
WO20049109 A1	20200422		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Kind code of Ref document: A1 Ref document number: 19769400 Country of Ref document: EP

49) Family number: 12318238 (US6077254 A)

Title: **ABSORBENT** GARMENT WITH CONTAINMENT POCKET

Abstract: A **disposable** **absorbent** garment having a backing layer, an inner layer, and an **absorbent** pad therebetween. The inner layer comprises an integral sheet having an opening extending therethrough through which exudates may move into a pocket formed between the backing and inner layers. A pair of elongate elastic members are secured to the inner layer in opposed, substantially mirror image curvilinear paths which overlap to encircle the opening. A method for producing such a garment also is described.

Classifications:
International (IPC 8-9): A61F13/15
International (IPC 1-7): A61F13/15
CPC: A61F13/15699 A61F13/15804 A61F13/49473 A61F13/512 A61F13/51311 A61F2013/530905
US: 604/358 604/385.2 604/385.21



Family:

Publication number	Publication date	Application number	Application date
US6077254 A	20000620	US19960702201	19960823

Priority:
US19940273958 19940712 US19960702201 19960823

Probable Assignee: PARAGON TARDE BRANDS INC

Assignee(s): (std): PARAGON TRADE BRANDS INC

Assignee(s): CHASE MANHATTAN BANK AGENT AS ; CHASE MANHATTAN BANK AS AGENT ; CITICORP USA INC ; JP MORGAN CHASE BANK NA ; JPMORGAN CHASE NA ; PARAGON TARDE BRANDS INC ; PARAGON TRADE BRANDS LLC

Inventor(s): (std): COOK JOHN R ; LOVESTEDT PENNY C ; SILWANOWICZ ANTHONY

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
US6077254 A	19980126	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:008989/0159 Owner: CHASE MANHATTAN BANK, AS AGENT, THE, NEW YORK Effective date: 19980107
US6077254 A	20000211	LSAS	AS	ASSIGNMENT	Effective date: 20000127 PartyType: owner OldParty: SECURITY AGREEMENT;ASSIGNORS:PARAGON TRADE BRANDS, INC.;PTB INTERNATIONAL, INC.;PTB HOLDINGS, INC.;REEL/FRAME:010628/0096 Owner: CITICORP USA, INC., NEW YORK
US6077254 A	20000601	LSGT	PAT1	Patented Case	
US6077254 A	20000601	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US6077254 A	20000620	LSGT	+	granted / extensions (spc, cpc, pte)	
US6077254 A	20021022	LSAS	AS	ASSIGNMENT	OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SILWANOWICZ, ANTHONY;REEL/FRAME:013416/0073 Owner: PARAGON TARDE BRANDS, INC., GEORGIA Effective date: 20020430 PartyType: owner
US6077254 A	20031222	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US6077254 A	20071220	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 8

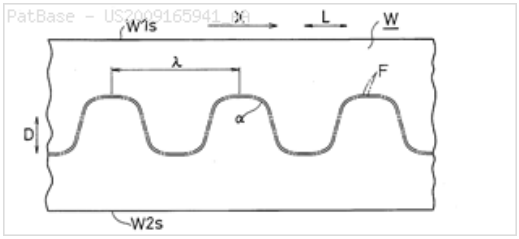
US6077254 A	20071231		REMI	MAINTENANCE FEE REMINDER MAILED	
US6077254 A	20080418	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: RELEASE OF SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:020837/0021 Effective date: 20080417 Owner: CITICORP USA, INC., NEW YORK
US6077254 A	20080708	LSAS	AS	ASSIGNMENT	Effective date: 20080418 OldParty: SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:021205/0378 Owner: JP MORGAN CHASE BANK, N.A., ILLINOIS PartyType: owner
US6077254 A	20080708	LSAS	AS	ASSIGNMENT	Effective date: 20080418 Owner: JP MORGAN CHASE BANK, N.A.,ILLINOIS OldParty: SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:021205/0378 PartyType: owner
US6077254 A	20090121	LSAS	AS	ASSIGNMENT	Owner: PARAGON TRADE BRANDS, LLC, NEW YORK PartyType: owner Effective date: 20081219 OldParty: CONVERSION AND CHANGE OF NAME;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:022177/0138
US6077254 A	20090121	LSAS	AS	ASSIGNMENT	OldParty: CONVERSION AND CHANGE OF NAME;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:022177/0138 PartyType: owner Owner: PARAGON TRADE BRANDS, LLC,NEW YORK Effective date: 20081219
US6077254 A	20110929	LSAS	AS	ASSIGNMENT	OldParty: SECURITY AGREEMENT;ASSIGNORS:FIRST QUALITY BABY PRODUCTS, LLC;FIRST QUALITY ENTERPRISES, INC.;FIRST QUALITY NONWOVENS, INC.;AND OTHERS;REEL/FRAME:026994/0359 PartyType: owner Owner: JPMORGAN CHASE, N.A., ILLINOIS Effective date: 20110629
US6077254 A	20111208	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 12
US6077254 A	20160823	PEXP		Calculated Patent Term Expiry	

50) Family number: 34587595 (US2009165941 AA)

Title: METHOD FOR PRODUCING WORN **ARTICLE**

Abstract: A method for producing a worn **article**, capable of providing a desirable wearability while reducing the cost of production. The method includes the steps of: placing leg elastic members F along a first waveform alpha on a web W being carried, the first waveform alpha being continuous in a longitudinal direction L of the web W and having a predetermined wavelength lambda and predetermined first amplitudes alpha1 and alpha2, thereby producing a composite sheet Ws; and cutting off the composite sheet Ws being carried, along a cut-off line CL having a second waveform beta being continuous in the longitudinal direction L of the composite sheet Ws, having a wavelength lambda equal to the wavelength lambda and second amplitudes beta1 and beta2 smaller than the first amplitudes alpha1 and alpha2, and being in synchronism with the first waveform alpha.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 B32B37/00 B32B38/10
CPC: A61F13/15609 A61F13/15723 A61F2013/49065 Y10T156/1052 Y10T156/1067 Y10T156/1087 Y10T156/1097
US: 156/161 156/229 156/250 156/259 156/271 156/302



Family:

Publication number	Publication date	Application number	Application date
CN101316566 A	20081203	CN200680044436	20061205
CN101316566 B	20110803	CN200680044436	20061205
DE112006003366 B4	20170330	DE200611003366T	20061205
DE112006003366 T5	20081016	DE200611003366T	20061205
JP2007069496 A1	20090521	JP20070550139T	20061205
JP4885878 B1	20120229	JP20070550139T	20061205
JP4885878 B2	20120229	JP20070550139	20061205
US2009165941 AA	20090702	US20060090376	20061205
US7820004 BB	20101026	US20060090376	20061205
WO07069496 A1	20070621	WO2006JP324234	20061205

Priority:
JP20050363481 20051216 WO2006JP324234 20061205 JP20070550139 20061205

Probable Assignee: ZUIKO CORP
Assignee(s): (std): WADA TAKAO ; ZUIKO CORP
Assignee(s): 株式会社瑞光
Inventor(s): (std): TAKAO WADA ; WADA TAKAO
Inventor(s): 和田 隆男
Agent(s): MARK D SARALINO GENERAL RENNER OTTO BOISSELLE AND SKLAR LLP; RENNER OTTO BOISSELLE AND SKLAR LLP; 北京尚诚知识产权代理有限公司 11322; 山村 喜信; 龙淳
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 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 MG MK ML MN MR 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN101316566 A	20081203	LSPB	+	published / reissued	
CN101316566 A	20081203	LSPB	+C06	PUBLICATION	
CN101316566 A	20090128		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101316566 B	20110803	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101316566 B	20110803	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101316566 B	20261205	PEXP		Calculated Patent Term Expiry	
DE112006003366 B4	20170330	LSGT	+	granted / extensions (spc, cpc, pte)	
DE112006003366 B4	20180103	LSGT	+R020	PATENT GRANT NOW FINAL	
DE112006003366 B4	20261205	PEXP		Calculated Patent Term Expiry	
DE112006003366 T5	20081016	LSPB	+	published / reissued	

DE112006003366 T5	20130829	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	Effective date: 20130628
DE112006003366 T5	20161208	LSGT	+R018	GRANT DECISION BY EXAMINATION SECTION/EXAMINING DIVISION	
JP2007069496 A1	20090521	LSPB	+	published / reissued	
JP2007069496 A1	20091028	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Effective date: 20091027 Text: JAPANESE INTERMEDIATE CODE: A621
JP2007069496 A1	20111128	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2007069496 A1	20111206	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20111206 Text: JAPANESE INTERMEDIATE CODE: A01
JP2007069496 A1	20111208	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01
JP2007069496 A1	20111215	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective date: 20111208 Text: JAPANESE INTERMEDIATE CODE: A61
JP2007069496 A1	20111216	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP4885878 B1	20111208	LSGT	+A01	特許査定書	
JP4885878 B1	20111213	LSFE	R100	特許料納付書	
JP4885878 B1	20111216	LSGT	+R150	特許証	
JP4885878 B1	20120229	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4885878 B1	20141211	LSFE	R20	特許料納付書	
JP4885878 B1	20141216	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4885878 B1	20151210	LSFE	R20	特許料納付書	
JP4885878 B1	20151215	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4885878 B1	20161208	LSFE	R20	特許料納付書	
JP4885878 B1	20161213	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4885878 B1	20171207	LSFE	R20	特許料納付書	
JP4885878 B1	20171212	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4885878 B1	20181206	LSFE	R20	特許料納付書	
JP4885878 B1	20181211	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4885878 B1	20191212	LSFE	R20	特許料納付書	Effective date: 20191210
JP4885878 B1	20191217	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20191227
JP4885878 B1	20261205	PEXP		Calculated Patent Term Expiry	
JP4885878 B2	20120229	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4885878 B2	20141216	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4885878 B2	20151215	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4885878 B2	20161213	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4885878 B2	20171212	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4885878 B2	20181211	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4885878 B2	20191217	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4885878 B2	20261205	PEXP		Calculated Patent	

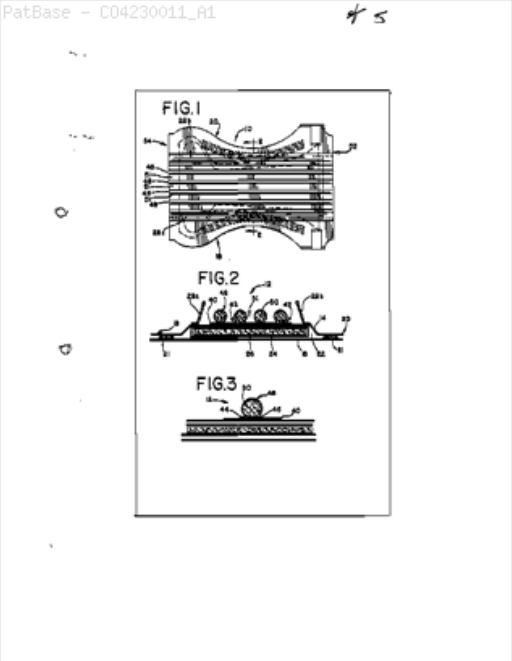
				Term Expiry	
US2009165941 AA	20090702	LSPB	+	published / reissued	
US2009165941 AA	20101006	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US7820004 BB	20080416	LSAS	AS	ASSIGNMENT	Effective date: 20080328 OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:WADA, TAKAO;REEL/FRAME:020812/0341 PartyType: owner Owner: ZUIKO CORPORATION, JAPAN
US7820004 BB	20101006	LSGT	PAT1	Patented Case	
US7820004 BB	20101026	LSGT	+	granted / extensions (spc, cpc, pte)	
US7820004 BB	20140417	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US7820004 BB	20180419	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	Year of fee payment: 8
US7820004 BB	20271114	PEXP		Calculated Patent Term Expiry (PTA 344 days)	
WO07069496 A1	20061205	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 200680044436.4 Country of Ref document: CN
WO07069496 A1	20070621	LSPB	+	published / reissued	
WO07069496 A1	20070919		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	
WO07069496 A1	20080407	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Kind code of Ref document: A Ref document number: 2007550139 Country of Ref document: JP
WO07069496 A1	20080416	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 12090376 Country of Ref document: US
WO07069496 A1	20081016		+RET	DE TRANSLATION (DE OG PART 6B)	Date of Ref document: 20081016 Kind code of Ref document: P Ref document number: 112006003366 Country of Ref document: DE
WO07069496 A1	20081016	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 112006003366 Country of Ref document: DE
WO07069496 A1	20090114	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	Kind code of Ref document: A1 Ref document number: 06833989 Country of Ref document: EP

51) Family number: 43685039 (CO4230011 A1)

Title: **ABSORBING** LIQUID **ABSORBENT** **ARTICLES** FOR PERSONAL CARE AND UNDERSTAND IT **absorbent** **article**
(Machine translation)

Abstract: Source: CO4230011 A1 **Machine translation:** 1. A lining material liquid **absorbent** comprising: a FRONT AND CAPA support layer, said front layer being attached to the support layer by a plurality of spaced UNIONS AND SEPARATED said front layer and the support layer COUPLE IN SUCH FORM UNIONS PEAKS, said peaks being separated from each other by CHANNELS, AND A LIQUID **ABSORBING** positioned within said peaks for receiving LIQUIDS. 2. An **absorbent** **article** PERSONAL CARE comprising: a lining material and a backing sheet with an **absorbent** core positioned therebetween SUCH lining material comprising a front layer and a backing layer, said front layer and a layer SUPPORT, said front layer being attached to said support layer turality PLU- ONE OF UNIONS spaced SEPARATED said front layer and the support layer COUPLE IN SUCH FORM UNIONS PEAKS, standard DO THESE PEAKS SEPARATED FROM EACH OTHER by channels, AND LIQUID **ABSORBING** PEAKS IN SUCH positioned to receive body exudates. FIGURE 1

Classifications:
International (IPC 8-9): A61F13/15
International (IPC 1-7): A61F13/15



Family:

Publication number	Publication date	Application number	Application date
CO4230011 A1	19951019	CO19940057042	19941216

Priority:
CO19940057042 19941216

Probable Assignee: KIMBERLY CLARK CORP
Assignee(s): (std): KIMBERLY CLARK CO
Assignee(s): KIMBERLY CLARK CORP
Inventor(s): (std): COLE DOUGLAS BRYAN ; COLLIER LESLIE WARREN ; DAVIS JAMES ARTHUR ; GRYSKIEWICZ STANLEY MICHAEL ; KOLLIN NANCY DONALDSON ; MAYBERRY PAMELA JEAN ; MEITNER GARY HOWARD ; MORMAN MICHAEL TOD ; WEBER MARY EVA
Inventor(s): BRYAN COLE DOUGLAS ; GARY HOWARD MEITNER ; JAMES ARTHUR DAVIS ; MARY EVA WEBER ; MICHAEL TOD MORMAN ; NANCY DONALDSON KOLLIN ; PAMELA JEAN MAYBERRY ; STANLEY MICHAEL GRYSKIEWICZ ; WARREN COLLIER LESLIE
Agent(s): RAMIRO CASTRO DUQUE

Legal status (INPADOC)

View legal status timeline

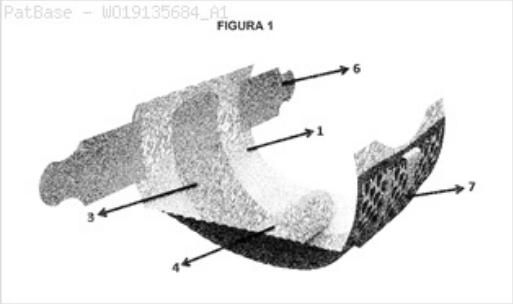
Patent	Date recorded	Event group	Code	Event	Details
CO4230011 A1	19951019	LSPB	+	published / reissued	

52) Family number: 73337179 (WO19135684 A1)

Title: NAPPY WITH ANATOMICAL SEPARATOR AND POCKET

Abstract: The invention relates to a two-layer nappy with anatomical separator and pocket, which comprises: an outer cover, an **absorbent** layer, an upper layer, a cover of the anatomical separator, an anatomical separator, side closure panels, and a pocket; in which the essential part of the invention is the anatomical separator, which prevents the faeces and the urine deposited in the nappy from mixing and producing various illnesses in the infants, such as nappy rash and urinary tract infections, and avoids the generation of microorganisms; in addition, the pocket can be used for storing wet wipes, facilitating their use and the cleaning of the baby's genitals.

Classifications:
International (IPC 8-9): A61F13/15
CPC: A61F13/15



Family:

Publication number	Publication date	Application number	Application date
CO20200009647 A2	20200821	CO20200009647	20200803
PE00582019 Z	20190114	PE20180000001U	20180103
PE01342019 Z	20190118	PE20180001096U	20180608
PE20190058 Z	20190114	PE20180000001U	20180103
PE20190134 Z	20190118	PE20180001096U	20180608
PE20190508 Z	20190114	PE20180000001U	20180103
WO19135684 A1	20190711	WO2018PE00005	20180221

Priority:
PE20180000001 20180103 PE20180000001U 20180103 WO2018PE00005 20180221

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

Legal status (INPADOC)

View legal status timeline

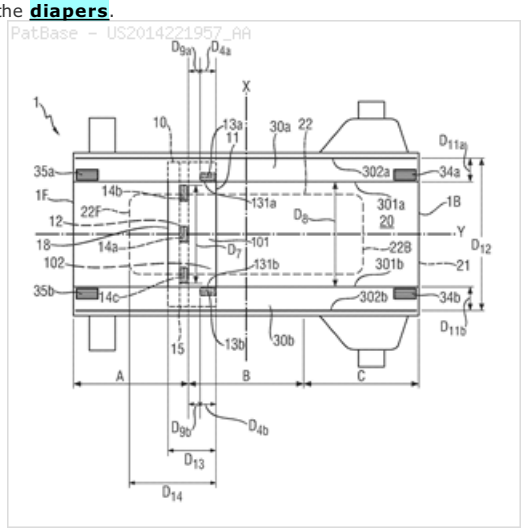
Patent	Date recorded	Event group	Code	Event	Details
CO20200009647 A2	20200821	LSPB	+	published / reissued	
PE00582019 Z	20190114	LSPB	+	published / reissued	
PE00582019 Z	20190930	LSGT	+FG	GRANT, REGISTRATION	
PE01342019 Z	20190118	LSPB	+	published / reissued	
PE01342019 Z	20190930	LSGT	+FG	GRANT, REGISTRATION	
PE20190058 Z	20190114	LSPB	+	published / reissued	
PE20190134 Z	20190118	LSPB	+	published / reissued	
PE20190508 Z	20190114	LSPB	+	published / reissued	
WO19135684 A1	20190711	LSPB	+	published / reissued	
WO19135684 A1	20190821		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Kind code of Ref document: A1 Ref document number: 18898616 Country of Ref document: EP
WO19135684 A1	20200704	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE

53) Family number: 57129838 (US2014221957 AA)

Title: **DIAPER** WITH **SEPARATOR SHEET**

Abstract: **Diapers**, including infant **diapers**, training pants, and adult incontinence **articles**, and the like having a transverse **separator sheet** for excrement separation and/or isolation away from the skin with a specific design which has a reduced impact on the **absorbency**, comfort and fit properties of the **diapers**.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49 A61F13/494 A61F13/495 A61F13/56
CPC: A61F13/49017 A61F13/4902 A61F13/494 A61F13/495 A61F13/5638 A61F2013/4956
US: 1/1 604/385.28



Family:

Publication number	Publication date	Application number	Application date
CN104955430 A	20150930	CN201480006847	20140130
DE112014000646 T5	20151126	DE201411000646T	20140130
EP2762116 A1	20140806	EP20130153613	20130201
JP2016504939 T2	20160218	JP20150555444T	20140130
JP6174163 B2	20170802	JP20150555444T	20140130
US2014221957 AA	20140807	US20140171110	20140203
US9050219 BB	20150609	US20140171110	20140203
WO14120875 A1	20140807	WO2014US13756	20140130

Priority:
EP20130153613 20130201 WO2014US13756 20140130

Probable Assignee: PROCTER AND GAMBLE CO
Assignee(s): (std): PROCTER AND GAMBLE
Assignee(s): PROCTER AND GAMBLE CO ; PROCTOR AND GAMBLE CO ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司
Inventor(s): (std): FREIBOTH SANDRA ; HECKER ROLF ; MARTYNUS CORNELIA BEATE ; MARTYUS CORNELIA BEATE
Inventor(s): C B 马蒂纳斯 ; R 赫克 ; S 弗莱博斯 ; コルネリア ベアテ マルティヌス ; コルネリア、ベアテ、マルティヌス ; サンドラ フライボス ; サンドラ、フライボス ; ロルフ ヘッカー ; ロルフ、ヘッカー
Agent(s): BOUBEL THOMAS; GUFFEY TIMOTHY B; NAGAI HIROSHI; WILLIAM E; 上海专利商标事务所有限公司 31100; 中村 行孝; 出口 智也; 勝沼 宏仁; 小島 一真; 山下 和也; 永井 浩之; 磯貝 克臣; 茅翊恣
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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN104955430 A	20150930	LSPB	+	published / reissued	
CN104955430 A	20150930	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN104955430 A	20151104		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN104955430 A	20151104		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN104955430 A	20181204	LSDW	-WD01	INVENTION PATENT APPLICATION DEEMED WITHDRAWN AFTER PUBLICATION	
CN104955430 A	20181204	LSDW	-WD01	发明专利申请公布后的视为撤回	Text: 发明专利申请公布后的视为撤回 (After the publication of the patent application for invention shall be deemed to have been withdrawn)
DE112014000646 T5	20150729	LSES	+R012	REQUEST FOR	

				EXAMINATION VALIDLY FILED	
DE112014000646 T5	20151126	LSPB	+	published / reissued	
DE112014000646 T5	20180801	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
DE112014000646 T5	20180801	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
EP2762116 A1	20140806	LSPB	+	published / reissued	
EP2762116 A1	20140806	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20130201
EP2762116 A1	20140806		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2762116 A1	20140806		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: BA ME
EP2762116 A1	20150318	LSES	+R17P	REQUEST FOR EXAMINATION FILED (CORRECTED)	Effective date: 20150206
EP2762116 A1	20150318		+RBV	DESIGNATED CONTRACTING STATES (CORRECTED)	Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2762116 A1	20150729	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20150630
EP2762116 A1	20180912	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20180405
JP2016504939 T2	20151112	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A621 Effective date: 20150728
JP2016504939 T2	20160218	LSPB	+	published / reissued	
JP2016504939 T2	20160617		A977	REPORT ON RETRIEVAL	Effective date: 20160617 Text: JAPANESE INTERMEDIATE CODE: A971007
JP2016504939 T2	20160719	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20160719
JP2016504939 T2	20161017		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20161017 Text: JAPANESE INTERMEDIATE CODE: A601
JP2016504939 T2	20170117	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20170117 Text: JAPANESE INTERMEDIATE CODE: A523
JP2016504939 T2	20170601	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2016504939 T2	20170609	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20170609 Text: JAPANESE INTERMEDIATE CODE: A01
JP2016504939 T2	20170713	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective date: 20170705 Text: JAPANESE INTERMEDIATE CODE: A61
JP6174163 B2	20170615	LSGT	+A01	特許査定書	
JP6174163 B2	20170711	LSFE	R100	特許料納付書	
JP6174163 B2	20170714	LSGT	+R150	特許証	
JP6174163 B2	20170802	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6174163 B2	20340130	PEXP		Calculated Patent Term Expiry	

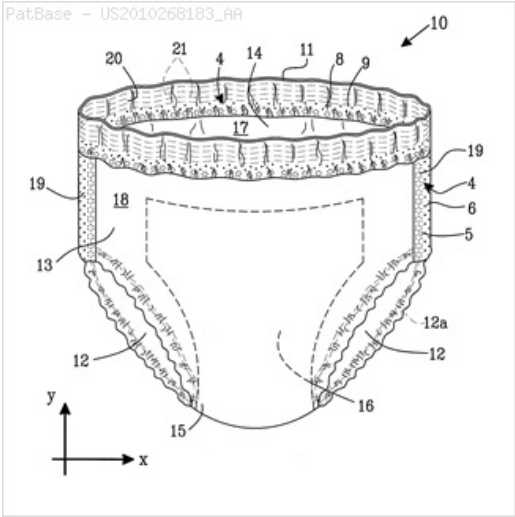
US2014221957 AA	20140807	LSPB	+	published / reissued	
US2014221957 AA	20150520	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US9050219 BB	20140207	LSAS	AS	ASSIGNMENT	Owner: THE PROCTER & GAMBLE COMPANY, OHIO OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:MARTYNUS, CORNELIA BEATE;HECKER, ROLF;FREIBOTH, SANDRA;SIGNING DATES FROM 20130212 TO 20130218;REEL/FRAME:032171/0517 PartyType: owner
US9050219 BB	20150520	LSGT	PAT1	Patented Case	
US9050219 BB	20150609	LSGT	+	granted / extensions (spc, cpc, pte)	
US9050219 BB	20190128	LSFE	FEPP	FEE PAYMENT PROCEDURE	Text: MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US9050219 BB	20190715	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	Text: PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US9050219 BB	20190715	LSLE	PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US9050219 BB	20190715	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	Text: PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US9050219 BB	20190806	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	Effective date: 20190609
US9050219 BB	20340203	PEXP		Calculated Patent Term Expiry	
WO14120875 A1	20140807	LSPB	+	published / reissued	
WO14120875 A1	20140924		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Ref document number: 14704060 Kind code of Ref document: A1 Country of Ref document: EP
WO14120875 A1	20150728	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Kind code of Ref document: A Ref document number: 2015555444 Country of Ref document: JP
WO14120875 A1	20150803	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 112014000646 Country of Ref document: DE
WO14120875 A1	20150803	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 1120140006467 Country of Ref document: DE
WO14120875 A1	20160224	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	Kind code of Ref document: A1 Ref document number: 14704060 Country of Ref document: EP

54) Family number: 43471355 (US2010268183 AA)

Title: SEAM JOINING TOGETHER AT LEAST TWO WEB MATERIALS

Abstract: A seam joining together at least two web materials in an overlapped manner by ultrasonic welding, heat bonding or the like, in a bonding pattern, which includes comprising a first bonding pattern and at least one second bonding pattern extending in a longitudinal direction along and adjacent at least one side edge of the overlapped portion. The bonded area of the second bonding pattern occupies more than 30 percent of the combined bonded area of the first and second bonding patterns. The bonding elements of the first bonding pattern have a mean area that is at least 2 times the mean area of the bonding elements of the second bonding pattern. The contact area of the bonding pattern, as seen in transverse direction of the seam, is between 10 and 30 percent of the width of the bonding pattern at any given point along the length of the bonding pattern.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/496 A61F13/515 A61F13/56 B29C65/02 B29C65/08 B32B3/10 B32B5/26 D06H5/00
International (IPC 1-7): A61F13/496 A61F13/56
CPC: A61F13/15739 A61F13/515 A61F2013/15365 A61F2013/51083 B29C65/02 B29C65/08 B29C65/086 B29C65/16 B29C65/48 B29C65/8215 B29C66/1122 B29C66/13 B29C66/133 B29C66/20 B29C66/21 B29C66/22 B29C66/221 B29C66/232 B29C66/43 B29C66/431 B29C66/4324 B29C66/71 B29C66/72327 B29C66/72343 B29C66/727 B29C66/7294 B29C66/72941 B29C66/7313 B29C66/7315 B29C66/7392 B29C66/7485 B29C66/83411 B29K2001/00 B29K2023/06 B29K2023/12 B29K2067/00 B29K2105/0854 B29K2313/00 B29K2995/0046 B29L2009/00 B29L2031/4878 Y10T428/24777
US: 428/192 428/192S 604/385.01 604/385.010P 604/385.31 604/392 604/396



Family:

Publication number	Publication date	Application number	Application date
AR069918 AA	20100303	AR2008P105594	20081219
AU2007362867 AA	20090702	AU20070362867	20071220
AU2007362867 BB	20130404	AU20070362867	20071220
BRPI0722347 A2	20140318	BR2007PI22347	20071220
CN101883549 A	20101110	CN200780101806	20071220
CN101883549 B	20130424	CN200780101806	20071220
CO6321215 A2	20110920	CO20100088016	20100719
DE602007042097 D1	20150820	DE200760042097T	20071220
EP2231095 A1	20100929	EP20070852140	20071220
EP2231095 A4	20130828	EP20070852140	20071220
EP2231095 B1	20150708	EP20070852140	20071220
JP2011510690 T2	20110407	JP20100539347T	20071220
JP5155411 B2	20130306	JP20100539347T	20071220
PL2231095 T3	20151231	PL20070852140T	20071220
RU2445055 C1	20120320	RU20100130260	20071220
TW200927460 A	20090701	TW20080141770	20081030
US2010268183 AA	20101021	US20070741352	20071220
US8449519 BB	20130528	US20070741352	20071220
WO09082277 A1	20090702	WO2007SE01144	20071220

Priority:

WO2007SE01144 20071220 EP20070852140 20071220 RU20100130260 20071220
CO20100088016 20100719

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): CARLSON ULRIKA ; EEN HANS ; LEHTO MARCUS ; SCA HYGIENE PROD AB

Assignee(s): SCA HYGIENE PRODUCTS AB ; SCA卫生用品公司 ; SCA衛生産品公司 ; SKA KHAJDZHIN PRODAKTS AB ; エシティ ハイジーン アンド ヘルス アクチエボラグ ; エスセーアー ハイジーン プロダクツ アーベー

Inventor(s): (std): CARLSON ULRIKA ; EEN HANS ; EHEHN KHANS ; HANS EEN ; KARLSON UL RIKA ; LEHTO MARCUS ; LEKHTO MARKUS ; MARCUS LEHTO ; ULRIKA CARLSON

Inventor(s): H 伊恩 ; KARLSON UL'RIKA ; M 莱赫托 ; U 卡尔松 ; КАРЛСОН УЛЬРИКА ; КАРЛСОН Ульрика (SE) ; ЛЕХТО МАРКУС ; ЛЕХТО Маркус (SE) ; ЭЭН ХАНС ; ЭЭН Ханс (SE) ; ウルリカ カールソン ; ハンス エーン ; マルクス レト ; 伊恩 漢斯 ; 卡爾森 優烈卡 ; 雷托 馬可士

Agent(s): BUCHANAN INGERSOLL AND ROONEY PC; GRIFFITH HACK; LUZ CLEMENCIA DE PAEZ; VALEA AB; WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; 実広 信哉; 志賀 正武; 憚軼群; 村山 靖彦; 永新专利商标代理有限公司 72002; 渡邊 隆; 王永建; 王琼先

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details

AR069918 AA	20100303	LSPB	+	published / reissued	
AR069918 AA	20120111	LSWD	-FB	SUSPENSION OF GRANTING PROCEDURE	
AU2007362867 AA	20090702	LSPB	+	published / reissued	
AU2007362867 BB	20130404	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2007362867 BB	20130725	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2007362867 BB	20180719	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2007362867 BB	20271220	PEXP		Calculated Patent Term Expiry	
BRPI0722347 A2	20140826	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 3A ANUIDADE.
BRPI0722347 A2	20140930	LSFE	B08H	APPLICATION FEES: DECISION CANCELLED	Text: REFERENTE AO DESPACHO PUBLICADO 8.6 NA RPI 2277 DE 26/08/2014
BRPI0722347 A2	20171212	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	
BRPI0722347 A2	20171212	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 10A ANUIDADE.
BRPI0722347 A2	20180417	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	
CN101883549 A	20101110	LSPB	+	published / reissued	
CN101883549 A	20101110	LSPB	+C06	PUBLICATION	
CN101883549 A	20101110	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN101883549 A	20110126		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101883549 A	20110126		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN101883549 B	20130424	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101883549 B	20130424	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101883549 B	20130424	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN101883549 B	20181207	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN101883549 B	20181207	LSLE	-CF01	未缴年费专利权终止	Effective date: 20171220 Text: 专利权的终止 (Termination of Patent Right)
CN101883549 B	20271220	PEXP		Calculated Patent Term Expiry	
CO6321215 A2	20110920	LSPB	+	published / reissued	
CO6321215 A2	20130528	LSGT	+FG	APPLICATION GRANTED	
DE602007042097 D1	20150121		R079	AMENDMENT OF IPC MAIN CLASS	Text: PREVIOUS MAIN CLASS: A61F0013496000 ClassificationScheme: IPC ClassificationSymbol: A61F0013496000
DE602007042097 D1	20180703	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
EP2231095 A1	20100929	LSPB	+	published / reissued	
EP2231095 A1	20100929	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20100709

EP2231095 A1	20100929		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR
EP2231095 A1	20100929		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA HR MK RS
EP2231095 A1	20101027		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	PartyType: inventor Inventor: EEN, HANS
EP2231095 A1	20101027		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	PartyType: inventor Inventor: LEHTO, MARCUS
EP2231095 A1	20101027		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	Inventor: CARLSON, ULRIKA PartyType: inventor
EP2231095 A1	20110330		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2231095 A1	20130814		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/496 20060101AFI20130710BHEP
EP2231095 A1	20130814		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/56 20060101ALI20130710BHEP
EP2231095 A1	20130814		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/15 20060101ALN20130710BHEP ClassificationScheme: IPC
EP2231095 A1	20130814		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B29C 65/08 20060101ALI20130710BHEP
EP2231095 A1	20130814		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/515 20060101ALN20130710BHEP
EP2231095 A1	20130814		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B29C 65/02 20060101ALI20130710BHEP
EP2231095 A1	20130821		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: B29C 65/02 20060101ALI20130718BHEP ClassificationScheme: IPC
EP2231095 A1	20130821		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/56 20060101ALI20130718BHEP
EP2231095 A1	20130821		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALN20130718BHEP
EP2231095 A1	20130821		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/515 20060101ALN20130718BHEP
EP2231095 A1	20130821		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: B29C 65/08 20060101ALI20130718BHEP ClassificationScheme: IPC
EP2231095 A1	20130821		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/496 20060101AFI20130718BHEP ClassificationScheme: IPC
EP2231095 A1	20160129	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20151211 Country of Ref document: GB
EP2231095 A1	20160129	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20151210 Country of Ref document: DE
EP2231095 A1	20160229	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20151110 Year of fee payment: 9 Country of Ref document: PL

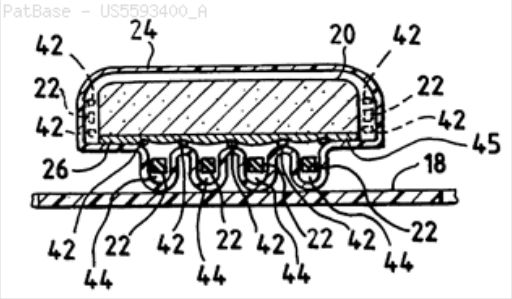
EP2231095 A1	20160531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20160226 Year of fee payment: 9 Country of Ref document: FR
EP2231095 A4	20130828	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20130725
EP2231095 A4	20130828		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALN20130719BHEP
EP2231095 A4	20130828		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B29C 65/02 20060101ALI20130719BHEP
EP2231095 A4	20130828		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/496 20060101AFI20130719BHEP
EP2231095 A4	20130828		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: B29C 65/08 20060101ALI20130719BHEP ClassificationScheme: IPC
EP2231095 A4	20130828		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/56 20060101ALI20130719BHEP
EP2231095 A4	20130828		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/515 20060101ALN20130719BHEP
EP2231095 A4	20140402	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20140226
EP2231095 A4	20140903		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: B29C 65/08 20060101ALI20140730BHEP ClassificationScheme: IPC
EP2231095 A4	20140903		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/56 20060101ALI20140730BHEP ClassificationScheme: IPC
EP2231095 A4	20140903		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/496 20060101AFI20140730BHEP ClassificationScheme: IPC
EP2231095 A4	20140903		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALN20140730BHEP
EP2231095 A4	20140903		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B29C 65/02 20060101ALI20140730BHEP
EP2231095 A4	20140903		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/515 20060101ALN20140730BHEP ClassificationScheme: IPC
EP2231095 A4	20150225		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALN20150121BHEP
EP2231095 A4	20150225		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/56 20060101ALI20150121BHEP
EP2231095 A4	20150225		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: B29C 65/02 20060101ALI20150121BHEP
EP2231095 A4	20150225		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/515 20060101ALN20150121BHEP ClassificationScheme: IPC
EP2231095 A4	20150225		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: B29C 65/08 20060101ALI20150121BHEP ClassificationScheme: IPC
EP2231095 A4	20150225		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/496 20060101AFI20150121BHEP
EP2231095 A4	20150304	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20150206

55) Family number: 9382515 (US5593400 A)

Title: **Disposable** **absorbent** **article** with suspended **absorbent** structure

Abstract: An **absorbent** **article** embodied as a **disposable** **diaper** construction has been particularly configured for improved fit and comfort by providing an **absorbent** structure attached in a substantially free-floating suspended manner within the **diaper**. In the illustrated embodiments, the **diaper** includes an outer cover or back sheet and an **absorbent** structure or core which is supported within the outer cover by a supporting member which extends along a side of the **absorbent** structure and includes opposite ends which are secured to the outer cover. The supporting member suspends and supports the **absorbent** structure for substantially independent movement with respect to the outer cover so that the **absorbent** structure can conform to the wearer during use thus improving the fit and comfort to the wearer as well as inhibiting leakage from the **diaper**.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/80
International (IPC 1-7): A61F13/15 A61F13/46 A61F13/80
CPC: A61F13/49009 A61F13/49019 A61F2013/49063
US: 604/385.2 604/385.27 604/386 604/394 604/396 604/397 604/400 604/401 604/402



Family:

Publication number	Publication date	Application number	Application date
CA2140411 AA	19950810	CA19952140411	19950117
US5593400 A	19970114	US19940193737	19940209

Priority:
US19940193737 19940209 CA19952140411 19950117

Probable Assignee: PARAGON TRADE BRANDS INC

Assignee(s): (std): PARAGON TRADE BRANDS ; PARAGON TRADE BRANDS INC

Assignee(s): CHASE MANHATTAN BANK AGENT AS ; CHASE MANHATTAN BANK AS AGENT ; CITICORP USA INC ; JP MORGAN CHASE BANK NA ; JPMORGAN CHASE NA ; O LEARY AUDREY A ; PARAGON TRADE BRANDS LLC

Inventor(s): (std): O LEARY AUDREY A

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CA2140411 AA	19950810	LSPB	+	published / reissued	
CA2140411 AA	19970120	LSES	+EEER	EXAMINATION REQUEST	
CA2140411 AA	19990118	LSLE	-FZDE	DEAD	
US5593400 A	19940425	LSAS	AS	ASSIGNMENT	Owner: PARAGON TRADE BRANDS, INC., WASHINGTON Effective date: 19940128 PartyType: owner OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:O'LEARY, AUDREY A.;REEL/FRAME:006957/0428
US5593400 A	19970102	LSGT	PAT1	Patented Case	
US5593400 A	19970102	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US5593400 A	19970114	LSGT	+	granted / extensions (spc, cpc, pte)	
US5593400 A	19980126	LSAS	AS	ASSIGNMENT	PartyType: owner Owner: CHASE MANHATTAN BANK, AS AGENT, THE, NEW YORK Effective date: 19980107 OldParty: SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:008989/0159
US5593400 A	20000211	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: SECURITY AGREEMENT;ASSIGNORS:PARAGON TRADE BRANDS, INC.;PTB INTERNATIONAL, INC.;PTB HOLDINGS, INC.;REEL/FRAME:010628/0096 Effective date: 20000127 Owner: CITICORP USA, INC., NEW YORK

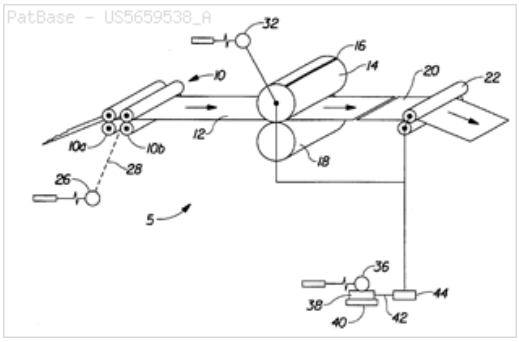
US5593400 A	20000713	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US5593400 A	20040714	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 8
US5593400 A	20080418	LSAS	AS	ASSIGNMENT	PartyType: owner Effective date: 20080417 OldParty: RELEASE OF SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:020837/0021 Owner: CITICORP USA, INC., NEW YORK
US5593400 A	20080708	LSAS	AS	ASSIGNMENT	Effective date: 20080418 OldParty: SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:021205/0378 Owner: JP MORGAN CHASE BANK, N.A., ILLINOIS PartyType: owner
US5593400 A	20080708	LSAS	AS	ASSIGNMENT	Owner: JP MORGAN CHASE BANK, N.A.,ILLINOIS OldParty: SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:021205/0378 PartyType: owner Effective date: 20080418
US5593400 A	20080714	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 12
US5593400 A	20090121	LSAS	AS	ASSIGNMENT	Effective date: 20081219 Owner: PARAGON TRADE BRANDS, LLC, NEW YORK PartyType: owner OldParty: CONVERSION AND CHANGE OF NAME;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:022177/0138
US5593400 A	20090121	LSAS	AS	ASSIGNMENT	Effective date: 20081219 OldParty: CONVERSION AND CHANGE OF NAME;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:022177/0138 Owner: PARAGON TRADE BRANDS, LLC,NEW YORK PartyType: owner
US5593400 A	20110929	LSAS	AS	ASSIGNMENT	OldParty: SECURITY AGREEMENT;ASSIGNORS:FIRST QUALITY BABY PRODUCTS, LLC;FIRST QUALITY ENTERPRISES, INC.;FIRST QUALITY NONWOVENS, INC.;AND OTHERS;REEL/FRAME:026994/0359 PartyType: owner Owner: JPMORGAN CHASE, N.A., ILLINOIS Effective date: 20110629
US5593400 A	20140209	PEXP		Calculated Patent Term Expiry	

56) Family number: 20621307 (US5659538 A)

Title: **DIAPER** REGISTRATION CONTROL SYSTEM

Abstract: The automatic registration control system of the present invention is a closed loop system including a driving mechanism for feeding a continuous web of **disposable** **absorbent** **articles**, such as **diaper** pads, toward a cutter. The cutter may separate completed pads from the web. A sensor is positioned along the manufacturing line, and preferably preceding the cutter, for detecting at least one preselected feature of each **diaper** pad and producing a detection signal when the feature passes by the sensor. A position resolver determines the angular position of the cutter at the moment when the preselected **diaper** feature is detected, and the average angular position is calculated from a predetermined number of cutter positions. The average cutter position is compared to and subtracted from a target cutter position to produce an error signal. The error signal is then converted into a control signal and supplied to a phase variator which adjusts the position of the cutter in response to the control signal.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/472 A61F13/49 A61F5/44
International (IPC 1-7): A61F13/15 A61F5/44 G06F19/00
CPC: A61F13/15723 A61F13/15772 Y10T83/543
US: 364/469.02 700/124 83/371



Family:

Publication number	Publication date	Application number	Application date
AU199649913 A1	19961016	AU19960049913	19960221
CA2213640 AA	19970822	CA19962213640	19960221
DE69616530 D1	20011206	DE19966016530T	19960221
EP0817602 A1	19980114	EP19960906574	19960221
EP0817602 B1	20011031	EP19960906574	19960221
ES2163007 T3	20020116	ES19960906574T	19960221
JP11502738 T2	19990309	JP19960529376T	19960221
KR19980703340 A	19981015	KR19970706745	19960221
MX9707368 A1	19971129	MX19970007368	19960221
US5659538 A	19970819	US19950410993	19950327
WO9629966 A1	19961003	WO1996US02385	19960221

Priority:
US19950410993 19950327 WO1996US02385 19960221

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): PROCTER AND GAMBLE ; THE PROCTER AND GAMBLE COMPANY

Assignee(s): FLEMING JAMES MICHAEL ; PROCTER AND GAMBEL CO ; PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; STUEBE MYRON LEE ; THE PROCTER AND GAMBEL COMPANY ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; WHALEY MARK DAVID ; 더프록터앤드갬블캄파니

Inventor(s): (std): FLEMING JAMES MICHAEL ; FLEMING MICHAEL ; STUEBE LEE ; STUEBE MYRON LEE ; WHALEY DAVID ; WHALEY MARK DAVID

Inventor(s): JAMES MICHAEL FLEMING ; MARK DAVID WHALEY ; MYRON LEE STUEBE ; スチューブ、マイロン・リー ; フレミング、ジェイムズ・マイケル ; ワーレイ、マーク・デイビッド ; 스트비미론이 ; 웰리마크데이비드 ; 플레밍제임스마이클

Agent(s): SIM AND MCBURNEY; 김창세; 장성구

Designated states: AL AM AT AU AZ 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 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 SZ TJ TM TR TT UA UG UZ VN

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU199649913 A1	19961016	LSPB	+	published / reissued	
CA2213640 AA	19970822	LSPB	+	published / reissued	
CA2213640 AA	19970822	LSES	+EEER	EXAMINATION REQUEST	
CA2213640 AA	20010417	LSLE	-FZDE	DEAD	
DE69616530 D1	20020627	LSWD	-8332	NO LEGAL EFFECT FOR DE	
DE69616530 D1	20020627	LSWD	-8332	NO LEGAL EFFECT FOR DE	
EP0817602 A1	19980114	LSPB	+	published / reissued	
EP0817602 A1	19980114	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 19970826

EP0817602 A1	19980114		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: BE DE ES FR GB IT NL SE
EP0817602 A1	19980812	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 19980629
EP0817602 A1	20010808		+RBV	DESIGNATED CONTRACTING STATES (CORRECTED)	Country of Ref document: BE DE ES FR GB IT NL SE
EP0817602 B1	20011031	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0817602 B1	20011031		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: BE DE ES FR GB IT NL SE
EP0817602 B1	20011031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20011031 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BE
EP0817602 B1	20011206		REF	CORRESPONDS TO:	Date of Ref document: 20011206 Ref document number: 69616530 Country of Ref document: DE
EP0817602 B1	20020101		REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: IF02
EP0817602 B1	20020116	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: ES Ref document number: 2163007 Ref legal event code: FG2A Kind code of Ref document: T3 Country of Ref document: ES
EP0817602 B1	20020201	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20020201 Country of Ref document: DE
EP0817602 B1	20020318	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20020318 Year of fee payment: 7 Country of Ref document: BE
EP0817602 B1	20020712	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: RN Ref country code: FR
EP0817602 B1	20021023	LSGT	+26N	NO OPPOSITION FILED	
EP0817602 B1	20021031	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: FC
EP0817602 B1	20021122		+ET	FR: TRANSLATION FILED	
EP0817602 B1	20030106	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 8 Payment date: 20030106 Country of Ref document: GB
EP0817602 B1	20030110	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20030110 Year of fee payment: 8 Country of Ref document: NL
EP0817602 B1	20030204	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 8 Payment date: 20030204 Country of Ref document: FR
EP0817602 B1	20030205	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20030205 Year of fee payment: 8 Country of Ref document: SE
EP0817602 B1	20030220	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 8 Payment date: 20030220 Country of Ref document: ES

EP0817602 B1	20040221	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20040221 Country of Ref document: GB
EP0817602 B1	20040222	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20040222 Country of Ref document: SE
EP0817602 B1	20040223	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20040223 Country of Ref document: ES
EP0817602 B1	20040901	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20040901 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: NL
EP0817602 B1	20040928	LSLE	-EUG	SE: EUROPEAN PATENT HAS LAPSED	Ref country code: EP
EP0817602 B1	20041013	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Effective date: 20040221 Ref country code: EP
EP0817602 B1	20041029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20041029 Country of Ref document: FR
EP0817602 B1	20041101	LSLE	-NLV4	NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE	Ref country code: EP Effective date: 20040901
EP0817602 B1	20041203	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: ST
EP0817602 B1	20050221	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20050221 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IT
EP0817602 B1	20050516	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: ES Ref legal event code: FD2A Effective date: 20040223
EP0817602 B1	20160221	PEXP		Calculated Patent Term Expiry	
ES2163007 T3	20020116	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2163007 T3	20020116	LSGT	+FG2A	DEFINITIVE PROTECTION	Ref document number: 817602 Country of Ref document: ES
ES2163007 T3	20160221	PEXP		Calculated Patent Term Expiry	
JP11502738 T2	19990309	LSPB	+	published / reissued	
KR19980703340 A	19970926	LSES	A201	REQUEST FOR EXAMINATION	
KR19980703340 A	19981015	LSPB	+	published / reissued	
KR19980703340 A	19990629	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR19980703340 A	20000105	LSRV	-E601	DECISION TO REFUSE APPLICATION	
MX9707368 A1	19971129	LSPB	+	published / reissued	

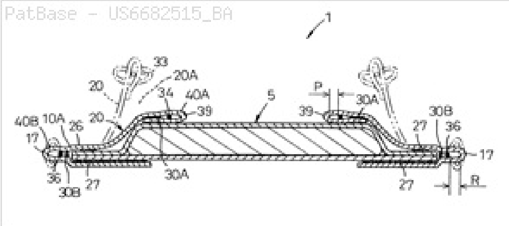
MX9707368 A1	20030815	LSGT	+FG	GRANT OR REGISTRATION	
MX9707368 A1	20160630	LSLE	-MM	ANNULMENT OR LAPSE DUE TO NON-PAYMENT OF FEES	
US5659538 A	19950526	LSAS	AS	ASSIGNMENT	PartyType: owner Effective date: 19950324 OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:STUEBE, MYRON LEE;FLEMING, JAMES MICHAEL;WHALEY, MARK DAVID;REEL/FRAME:007490/0135 Owner: PROCTER & GAMBLE COMPANY, THE, OHIO
US5659538 A	19970808	LSGT	PAT1	Patented Case	
US5659538 A	19970808	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US5659538 A	19970819	LSGT	+	granted / extensions (spc, cpc, pte)	
US5659538 A	19980310	LSRE	CC	CERTIFICATE OF CORRECTION	
US5659538 A	20010202	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US5659538 A	20041203	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 8
US5659538 A	20080930	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 12
US5659538 A	20150327	PEXP		Calculated Patent Term Expiry	

57) Family number: 13331973 (US6682515 BA) © PatBase

Title: Disposable absorbent sanitary **article**

Abstract: A **disposable absorbent** sanitary **article** that includes sheets to form a pair of flaps and a pair of flaps. The sheets are folded along flap fold lines back onto themselves, respectively, to form free edge portions of the respective pairs of flaps. Elastic members are secured under tension to the sheets inside the respective free edge portions and are spaced from the fold lines at least by 1 mm, respectively.

Classifications:
International (IPC 8-9): A61F13/00 A61F13/15 A61F13/472 A61F13/476 A61F13/49 A61F13/494 A61F13/56 A61F5/44
International (IPC 1-7): A61F13/00 A61F13/15 A61F13/475 A61F13/476 A61F13/49 A61F13/494
CPC: A61F13/4753 A61F13/49017 A61F13/4942 A61F13/505 A61F13/5611
US: 604/385.27 604/385.28



Family:

Publication number	Publication date	Application number	Application date
AU200071661 A1	20010524	AU20000071661	20001117
AU200071661 A5	20010524	AU20000071661D	20001117
AU781857 B2	20050616	AU20000071661	20001117
CA2326208 AA	20010519	CA20002326208	20001117
CA2326208 C	20061128	CA20002326208	20001117
CN101239016 A	20080813	CN200810080852	20001117
CN101239016 B	20120523	CN200810080852	20001117
CN1304712 A	20010725	CN20001037149	20001117
DE60019235 D1	20050512	DE20006019235T	20001120
DE60019235 T2	20060126	DE20006019235T	20001120
EP1101470 A2	20010523	EP20000310299	20001120
EP1101470 A3	20010613	EP20000310299	20001120
EP1101470 B1	20050406	EP20000310299	20001120
ID28428 A	20010524	ID20000000996	20001117
JP2001145661 A2	20010529	JP19990330580	19991119
JP2004181253 A2	20040702	JP20040011078	20040119
JP3595471 B2	20041202	JP19990330580	19991119
JP3744925 B2	20060215	JP20040011078	20040119
KR100775397 B1	20071112	KR20000068299	20001117
KR20010051747 A	20010625	KR20000068299	20001117
MY122493 A	20060429	MY20000005396	20001117
SG83827 A1	20011016	SG20000006627	20001116
TH45820 B	20150909	TH20001004441	20001117
TH47000 A	20010906	TH20001004441	20001117
TW535571 Y	20030601	TW20000219985U	20001117
US6682515 BA	20040127	US20000715885	20001117

Priority:
JP19990330580 19991119 CA20002326208 20001117 JP20040011078 20040119

Probable Assignee: UNI CHARM CORP

Assignee(s): (std): UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): MIZUTANI KATSUMI ; MUKAI HIROTOMO ; ONO YOSHIO ; UNI CHARM CO LTD ; UNI CHARM CORP SHIKOKUCHUO ; □□ □□□□ □□□□□□□□□ ; □□ □□□□ □□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ ; ユニ チャーム株式会社 ; ユニ·チャーム株式会社 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司 ; 유니참 가부시키가이샤

Inventor(s): (std): HIROTOMO MUKAI ; KATSUMI MIZUTANI ; KATSUMI SUITANI ; KEITOMO MUKAI ; MIZUTANI KATSUMI ; MUKAI HIROTOMO ; MUKAI TAKATOMO ; ONO YOSHIO ; YOSHIO ONO ; YOSHIO ONU

Inventor(s): MUKAI KEITOMO ; ONU YOSHIO ; SUITANI KATSUMI ; □□□□ □□□□□ ; □□□□□□ □□□□ ; □□□□□□ □□□□ ; 向井 敬智 ; 小野 芳夫 ; 水谷 勝己 ; 水谷胜己 ; 무카이히로토모 ; 미즈타니가츠미 ; 오노요시오

Agent(s): OGILVY RENAULT LLP SENCRL SRL; PHILLIPS ORMONDE FITZPATRICK; □□□□□□□ □□□□□□□□□□□; □□□□□□□ □□□□□□□□□□□ □□□□□□ □□□□□□; □□□□□□□ □□□□□□□□□□□, □□□□□□ □□□□□□; 中国国际贸易促进委员会专利商标事务所 11038; 小林 義孝; 张斯盾; 林志剛; 白浜 吉治; 김성택; 김진회; 신정건

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU200071661 A1	20010524	LSPB	+	published / reissued	
AU781857 B2	20050616	LSGT	+	granted / extensions (spc, cpc, pte)	
AU781857 B2	20200611	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU781857 B2	20201117	PEXP		Calculated Patent Term Expiry	
CA2326208 AA	20001117	LSES	+EEER	EXAMINATION REQUEST	

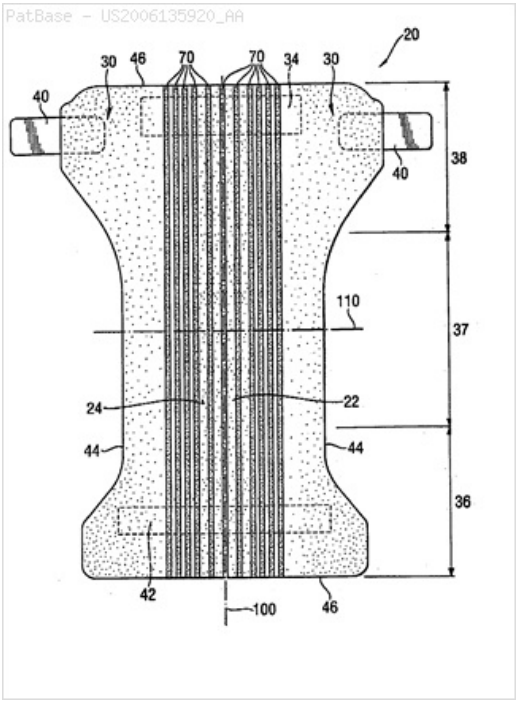
CA2326208 AA	20010519	LSPB	+	published / reissued	
CA2326208 AA	20161229	LSLE	-MKLA	LAPSED	Effective date: 20161117
CA2326208 C	20061128	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2326208 C	20201117	PEXP		Calculated Patent Term Expiry	
CN101239016 A	20080813	LSPB	+	published / reissued	
CN101239016 A	20080813	LSPB	+C06	PUBLICATION	
CN101239016 A	20081008		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101239016 B	20120523	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101239016 B	20120523	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101239016 B	20201117	PEXP		Calculated Patent Term Expiry	
CN1304712 A	20010725	LSPB	+	published / reissued	
CN1304712 A	20010725	LSPB	+C06	PUBLICATION	
CN1304712 A	20021030		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN1304712 A	20021204		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN1304712 A	20081224	LSRV	-C12	REJECTION OF A PATENT APPLICATION AFTER ITS PUBLICATION	
DE60019235 D1	20060518	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60019235 T2	20060126	LSGT	+	granted / extensions (spc, cpc, pte)	
DE60019235 T2	20060518	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60019235 T2	20201120	PEXP		Calculated Patent Term Expiry	

58) Family number: 33079565 (US2006135920 AA)

Title: DISCONTINUOUS LOTION APPLICATION ONTO THE TOPSHEET OF AN **ABSORBENT** **ARTICLE**

Abstract: The present invention relates to **absorbent** **articles**, such as **diapers** and sanitary napkins, and topsheets useful for such **articles**. More specifically, the invention relates to an **absorbent** **article** (20) comprising: a liquid impervious backsheet (26); a liquid pervious topsheet (24) joined to said backsheet (26), said topsheet (24) having an inner surface oriented toward an interior of said **article** (20) and an outer surface oriented toward the skin of a wearer when said **article** is being worn, wherein at least a portion of said topsheet outer surface comprises a lotion an **absorbent** core (28) positioned between said topsheet (24) and said backsheet (26); wherein the lotion is applied to the liquid pervious topsheet (24) in the form of a pattern of a plurality of stripes (70), that are separated by a plurality of areas having no lotion; and the pattern of a plurality of stripes (70) is a discontinuous pattern.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/511 A61F13/53
International (IPC 1-7): A61F13/511
CPC: A61F13/51113 A61F13/8405 A61F2013/51117
US: 604/359 604/359P



Family:

Publication number	Publication date	Application number	Application date
AT519467 E	20110815	AT20040029983T	20041217
CA2591708 AA	20070618	CA20052591708	20051219
CA2591708 C	20101207	CA20052591708	20051219
CN101080209 A	20071128	CN200580043409	20051219
DE602004033833 D1	20111006	DE200460033833T	20041217
EP1671609 A1	20060621	EP20040029983	20041217
EP1671609 B1	20110810	EP20040029983	20041217
EP1671609 B2	20140709	EP20040029983	20041217
ES2371249 T3	20111228	ES20040029983T	20041217
ES2371249 T5	20141006	ES20040029983T	20041217
IN04229DN2007 A	20070810	IN2007DN04229	20070604
JP2008522772 T2	20080703	JP20070545745T	20051219
MX2007007205 A1	20070815	MX20070007205	20051219
US2006135920 AA	20060622	US20050300715	20051215
WO06066107 A1	20060622	WO2005US45688	20051219

Priority:

EP20040029983 20041217 ES20040029983T 20041217 WO2005US45688 20051219

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): BORBACH MARKUS ; DZIEZOK PETER ; GEILICH RALF ; PROCTER AND GAMBLE ; RAMOS BLANCO AGUSTIN ; SCHMIDT MATTIAS ; VIRGILIO RAFFAELE

Assignee(s): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; THE PROCTER AND GAMBLE COMPANY ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): AGUSTIN RAMOS BLANCO ; BLANCO AGUSTIN RAMOS ; BORBACH MARKUS ; DZIEZOK PETER ; GEILICH RALF ; MARKUS BORBACH ; MATTIAS SCHMIDT ; PETER DZIEZOK ; RAFFAELE VIRGILIO ; RALF GEILICH ; RAMOS BLANCO AGUSTIN ; SCHMIDT MATTIAS ; VIRGILIO RAFFAELE

Inventor(s): アグスティン ラモス ブランコ ; ベーター ツィーツォク ; マチアス シュミット ; マルクス ボルバッハ ; ラファエル ビルジリオ ; ラルフ ガイリッヒ ; 彼得·德齐佐克 ; 拉尔夫·盖利希 ; 拉斐尔·弗吉莱奥 ; 阿古斯廷·拉莫斯布兰科 ; 马库斯·博巴赫 ; 马蒂厄斯·施米特

Agent(s): DE ELZABURU ALBERTO; DIMOCK STRATTON LLP; HEIDE UTE; NAGAI HIROSHI; OFFICE FREYLINGER SA; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; WILSON LUE LLP; 勝沼 宏仁; 吉武 賢次; 堀田 幸裕; 岡田 淳平; 永井 浩之

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AT519467 E	20110815	LSGT	+	granted / extensions (spc, cpc, pte)	
AT519467 E	20120215	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT519467 E	20241217	PEXP		Calculated Patent Term Expiry	
CA2591708 AA	20070618	LSPB	+	published / reissued	
CA2591708 AA	20070618	LSES	+EEER	EXAMINATION REQUEST	
CA2591708 C	20101207	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2591708 C	20251219	PEXP		Calculated Patent Term Expiry	
CN101080209 A	20071128	LSPB	+	published / reissued	
CN101080209 A	20071128	LSPB	+C06	PUBLICATION	
CN101080209 A	20080123		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101080209 A	20120314	LSRV	-C12	REJECTION OF A PATENT APPLICATION AFTER ITS PUBLICATION	
DE602004033833 D1	20110816	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	Owner: The Procter & Gamble Company, Cincinnati, Ohio, US OldParty: The Procter & Gamble Company, Cincinnati, Ohio, US PartyType: Owner
DE602004033833 D1	20120430	LSOP	-R026	OPPOSITION FILED AGAINST PATENT	
EP1671609 A1	20060621	LSPB	+	published / reissued	
EP1671609 A1	20060621		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1671609 A1	20060621		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA HR LV MK YU
EP1671609 A1	20060823	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20060711
EP1671609 A1	20070214	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20070116
EP1671609 A1	20070228	LSFE	+AKX	DESIGNATION FEES PAID	Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1671609 A1	20160229	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20151207 Year of fee payment: 12 Country of Ref document: SE
EP1671609 A1	20160229	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20151207 Year of fee payment: 12 Country of Ref document: ES
EP1671609 A1	20160229	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20151209 Year of fee payment: 12 Country of Ref document: BE
EP1671609 A1	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 12 Payment date: 20151230 Country of Ref document: DE
EP1671609 B1	20110810	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1671609 B1	20110810		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

EP1671609 B1	20110810	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP1671609 B1	20110815	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP1671609 B1	20110914	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP1671609 B1	20111006	LSPB	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20111006 Ref document number: 602004033833 Ref legal event code: R096 Ref country code: DE Country of Ref document: DE
EP1671609 B1	20111122		REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: TRGR
EP1671609 B1	20111123	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: NL Ref legal event code: T3
EP1671609 B1	20111228	LSGT	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20111228 Ref country code: ES Ref legal event code: FG2A Kind code of Ref document: T3 Ref document number: 2371249 Country of Ref document: ES
EP1671609 B1	20120125	LSRV	-LTIE	LT: INVALIDATION OF EUROPEAN PATENT OR PATENT EXTENSION	Effective date: 20110810 Ref country code: EP
EP1671609 B1	20120131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20111212 Country of Ref document: PT
EP1671609 B1	20120131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110810 Country of Ref document: LT
EP1671609 B1	20120131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20111210 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP1671609 B1	20120131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110810 Country of Ref document: FI
EP1671609 B1	20120215	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 519467 Ref legal event code: MK05 Ref country code: AT Effective date: 20110810 Kind code of Ref document: T Country of Ref document: AT
EP1671609 B1	20120229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110810 Country of Ref document: PL
EP1671609 B1	20120229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20111111 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR

EP1671609 B1	20120229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110810 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP1671609 B1	20120229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110810 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP1671609 B1	20120229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110810 Country of Ref document: CY
EP1671609 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110810 Country of Ref document: SK
EP1671609 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110810 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP1671609 B1	20120531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110810 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP1671609 B1	20120531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110810 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP1671609 B1	20120531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110810 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP1671609 B1	20120613	LSOP	-26	OPPOSITION FILED	Effective date: 20120430 Opponent: SCA HYGIENE PRODUCTS AB PartyType: opponent
EP1671609 B1	20120629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110810 Country of Ref document: DK
EP1671609 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20111231 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: MC
EP1671609 B1	20120731	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PL Ref country code: CH
EP1671609 B1	20120802	LSOP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref legal event code: R026 Effective date: 20120430

					Ref document number: 602004033833 Country of Ref document: DE
EP1671609 B1	20120815	LSOP	-R26	OPPOSITION FILED (CORRECTED)	Effective date: 20120430 Opponent: SCA HYGIENE PRODUCTS AB PartyType: opponent
EP1671609 B1	20120926	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP1671609 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20111231 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LI
EP1671609 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20111231 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP1671609 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20111217 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP1671609 B1	20130531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20111217 Country of Ref document: LU
EP1671609 B1	20130628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20111110 Country of Ref document: BG
EP1671609 B1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110810 Country of Ref document: TR
EP1671609 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110810 Country of Ref document: HU
EP1671609 B1	20241217	PEXP		Calculated Patent Term Expiry	
EP1671609 B2	20140709	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1671609 B2	20140709	LSRE	27A	PATENT MAINTAINED IN AMENDED FORM	Effective date: 20140709
EP1671609 B2	20140709		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B2 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1671609 B2	20140709	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602004033833 Ref legal event code: R102 Country of Ref document: DE
EP1671609 B2	20140814	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R102 Effective date: 20140709 Ref country code: DE Ref document number: 602004033833 Country of Ref document: DE
EP1671609 B2	20140909	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: RPEO Ref country code: SE

EP1671609 B2	20141006	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: ES Ref legal event code: DC2A Kind code of Ref document: T5 Ref document number: 2371249 Effective date: 20141006 Country of Ref document: ES
EP1671609 B2	20141015	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: NL Ref legal event code: T3
EP1671609 B2	20151124	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PLFP Year of fee payment: 12 Ref country code: FR Country of Ref document: FR
EP1671609 B2	20161117	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PLFP Year of fee payment: 13 Ref country code: FR Country of Ref document: FR
EP1671609 B2	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 13 Payment date: 20161207 Country of Ref document: NL
EP1671609 B2	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161117 Year of fee payment: 13 Country of Ref document: FR
EP1671609 B2	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161125 Year of fee payment: 13 Country of Ref document: GB
EP1671609 B2	20170228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161215 Year of fee payment: 13 Country of Ref document: ES
EP1671609 B2	20170228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161215 Year of fee payment: 13 Country of Ref document: BE
EP1671609 B2	20170228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 13 Payment date: 20161207 Country of Ref document: SE
EP1671609 B2	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161220 Year of fee payment: 13 Country of Ref document: DE
EP1671609 B2	20171113	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Year of fee payment: 14 Ref legal event code: PLFP
EP1671609 B2	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171113 Year of fee payment: 14 Country of Ref document: FR
EP1671609 B2	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 14 Payment date: 20171213 Country of Ref document: NL
EP1671609 B2	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171212 Year of fee payment: 14 Country of Ref document: DE
EP1671609 B2	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 14 Payment date: 20171213 Country of Ref document: GB
EP1671609 B2	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171113 Year of fee payment: 14 Country of Ref document: BE
EP1671609 B2	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 14 Payment date: 20171213 Country of Ref document: SE
EP1671609 B2	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO	Payment date: 20180102

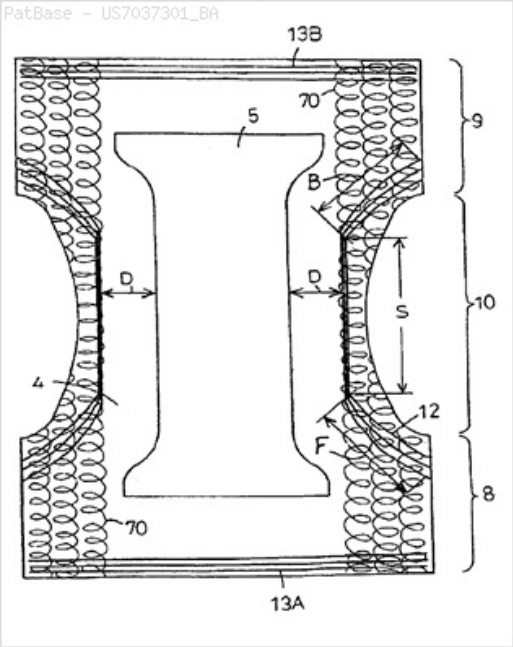
				NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 14 Country of Ref document: ES
EP1671609 B2	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20181213 Year of fee payment: 15 Country of Ref document: NL
EP1671609 B2	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20181211 Year of fee payment: 15 Country of Ref document: SE
EP1671609 B2	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 15 Payment date: 20181204 Country of Ref document: DE
EP1671609 B2	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 15 Payment date: 20181120 Country of Ref document: FR
EP1671609 B2	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20181119 Year of fee payment: 15 Country of Ref document: BE
EP1671609 B2	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 15 Payment date: 20181212 Country of Ref document: GB
EP1671609 B2	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 15 Payment date: 20190102 Country of Ref document: ES
EP1671609 B2	20200131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 16 Payment date: 20191203 Country of Ref document: DE
EP1671609 B2	20200228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 16 Payment date: 20191113 Country of Ref document: FR
EP1671609 B2	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20191213 Year of fee payment: 16 Country of Ref document: GB
EP1671609 B2	20200728	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: EUG Ref country code: SE
EP1671609 B2	20200805		REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MM Ref country code: NL Effective date: 20200101
EP1671609 B2	20241217	PEXP		Calculated Patent Term Expiry	
ES2371249 T3	20111228	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2371249 T3	20241217	PEXP		Calculated Patent Term Expiry	
ES2371249 T5	20141006	LSGT	+	granted / extensions (spc, cpc, pte)	

59) Family number: 15304898 (US7037301 BA)

Title: **DISPOSABLE** **ABSORBENT** WEARING **ARTICLE** AND PROCESS FOR PLACEMENT OF ELASTIC MEMBERS ASSOCIATED WITH LEG HOLES ON THE **ARTICLE**

Abstract: A **disposable** body fluid **absorbent** wearing **article** such as a **disposable** **diaper** includes elastic members **12** associated with leg-holes each having a plurality of elastic members which are placed along cutouts of side flaps **6** to surround a wearer's thighs. The elastic members **12** associated with the leg-holes are converged into respective single bundles along first elastic zones S of a crotch region **10** and diverged in second and third elastic zones F, B extending forward and backward from the first elastic zones S so that the elastic members **12** associated with the leg-holes may have a tensile stress not higher along the first elastic zones S than in the second and third elastic zones F, B.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49 A61F13/494 A61F5/44
International (IPC 1-7): A61F13/49 A61F13/494 A61F5/44
CPC: A61F13/15593 A61F13/49017
US: 604/385.27



Family:

Publication number	Publication date	Application number	Application date
AU200073192 A1	20010424	AU20000073192	20000921
AU200073192 A5	20010424	AU20000073192D	20000921
DE60043825 D1	20100325	DE20006043825T	20000921
EP1228741 A1	20020807	EP20000961165	20000921
EP1228741 A4	20060816	EP20000961165	20000921
EP1228741 B1	20100210	EP20000961165	20000921
EP1228741 B9	20100804	EP20000961165	20000921
JP2001157691 A2	20010612	JP20000272169	20000907
JP3923245 B2	20070530	JP20000272169	20000907
US7037301 BA	20060502	US20020088662	20020729
WO0121124 A1	20010329	WO2000JP06480	20000921

Priority:
JP19990267691 19990921 JP20000272169 20000907 WO2000JP06480 20000921

Probable Assignee: UNI CHARM CO LTD

Assignee(s): (std): OHASHI NAOTO ; SHIMOE NARIAKI ; UNI CHARM CORP

Assignee(s): UNI CHARM CO ; UNI CHARM CO LTD ; ユニ チャーム株式会社 ; ユニ・チャーム株式会社

Inventor(s): (std): OHASHI NAOTO ; SHIMOE NARIAKI ; SHIMOE SHIGEAKI

Inventor(s): NAOTO OHASHI ; NARIAKI SHIMOE ; OHASHI NAOTO TECHNICAL CTR UNI CHARM CO LTD ; SHIMOE NARIAKI TECHNICAL CTR UNI CHARM CO LTD ; 下江 成明 ; 大橋 直人

Agent(s): BUTZEL LONG; MURGATROYD SUSAN ELIZABETH; 白浜 吉治

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 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 KE KG KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU200073192 A1	20010424	LSPB	+	published / reissued	
AU200073192 A5	20020516	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2)(F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	

DE60043825 D1	20110303	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60043825 D1	20110303	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
EP1228741 A1	20020807	LSPB	+	published / reissued	
EP1228741 A1	20020807	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20020405
EP1228741 A1	20020807		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
EP1228741 A1	20020807		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Text: AL;LT;LV;MK;RO;SI
EP1228741 A1	20040512		+RBV	DESIGNATED CONTRACTING STATES (CORRECTED)	Country of Ref document: AT BE CH CY DE FR GB LI NL SE
EP1228741 A1	20060412	LSRE	RTI1	TITLE (CORRECTION)	Text: DISPOSABLE ABSORBENT WEARING ARTICLE AND PROCESS FOR PLACEMENT OF ELASTIC LEG MEMBERS ASSOCIATED WITH LEG-HOLES ON THE ARTICLE
EP1228741 A4	20060816	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20060719
EP1228741 A4	20070103	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20061130
EP1228741 A4	20090819	LSRE	RTI1	TITLE (CORRECTION)	Text: DISPOSABLE ABSORBENT WEARING ARTICLE AND PROCESS FOR PLACEMENT OF ELASTIC MEMBERS ASSOCIATED WITH LEG-HOLES ON THE ARTICLE
EP1228741 A4	20090902		+RBV	DESIGNATED CONTRACTING STATES (CORRECTED)	Country of Ref document: DE FR GB NL SE
EP1228741 B1	20100210	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1228741 B1	20100210		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: DE FR GB NL SE
EP1228741 B1	20100210	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP1228741 B1	20100325		REF	CORRESPONDS TO:	Date of Ref document: 20100325 Kind code of Ref document: P Ref document number: 60043825 Country of Ref document: DE
EP1228741 B1	20100331	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: NL Ref legal event code: T3
EP1228741 B1	20100505		REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: TRGR
EP1228741 B1	20200921	PEXP		Calculated Patent Term Expiry	
EP1228741 B9	20101006	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: NL Ref legal event code: T3
EP1228741 B9	20110119	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20101111
EP1228741 B9	20121031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 13 Payment date: 20120919 Country of Ref document: GB
EP1228741 B9	20121031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20120911 Year of fee payment: 13 Country of Ref document: SE
EP1228741 B9	20121231	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20120926 Year of fee payment: 13 Country of Ref document: FR
EP1228741 B9	20121231	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM	Payment date: 20120919 Year of fee payment: 13 Country of Ref document: DE

				NATIONAL OFFICE TO EPO]	
EP1228741 B9	20130131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20120919 Year of fee payment: 13 Country of Ref document: NL
EP1228741 B9	20140416	LSLE	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20140401 Ref country code: NL Ref legal event code: V1
EP1228741 B9	20140429	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: EUG
EP1228741 B9	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130922 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: SE
EP1228741 B9	20140528	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Effective date: 20130921 Ref country code: EP
EP1228741 B9	20140626	LSDW	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R119 Effective date: 20140401 Ref country code: DE Ref document number: 60043825 Country of Ref document: DE
EP1228741 B9	20140627	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: ST Effective date: 20140530 Ref country code: FR
EP1228741 B9	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130921 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: GB
EP1228741 B9	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20140401 Country of Ref document: NL
EP1228741 B9	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130930 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: FR
EP1228741 B9	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20140401 Country of Ref document: DE
JP2001157691 A2	20010612	LSPB	+	published / reissued	
JP2001157691 A2	20050421		RD04	NOTIFICATION OF RESIGNATION OF POWER OF ATTORNEY	Effective date: 20050420 Text: JAPANESE INTERMEDIATE CODE: A7424
JP2001157691 A2	20060621	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20060620
JP2001157691 A2	20060822	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20060821
JP2001157691 A2	20070207	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2001157691 A2	20070214	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01 Effective date: 20070213
JP2001157691 A2	20070301	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Text: JAPANESE INTERMEDIATE CODE: A61 Effective date: 20070221
JP3923245 B2	20070215	LSGT	+A01	特許査定書	
JP3923245 B2	20070227	LSFE	R100	特許料納付書	

JP3923245 B2	20070302	LSGT	+R150	特許証	
JP3923245 B2	20070530	LSGT	+	granted / extensions (spc, cpc, pte)	
JP3923245 B2	20100212	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP3923245 B2	20100212	LSFE	R20	特許料納付書	
JP3923245 B2	20100216	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 4
JP3923245 B2	20100216	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP3923245 B2	20110217	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 4
JP3923245 B2	20110217	LSFE	R20	特許料納付書	
JP3923245 B2	20110222	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 5
JP3923245 B2	20110222	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP3923245 B2	20120216	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 5
JP3923245 B2	20120216	LSFE	R20	特許料納付書	
JP3923245 B2	20120221	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 6
JP3923245 B2	20120221	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP3923245 B2	20130214	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 6
JP3923245 B2	20130214	LSFE	R20	特許料納付書	
JP3923245 B2	20130219	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 7
JP3923245 B2	20130219	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP3923245 B2	20140213	LSFE	R20	特許料納付書	
JP3923245 B2	20140218	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP3923245 B2	20140218	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP3923245 B2	20141225	LSFE	R20	特許料納付書	
JP3923245 B2	20150106	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP3923245 B2	20150106	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP3923245 B2	20160204	LSFE	R20	特許料納付書	
JP3923245 B2	20160209	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP3923245 B2	20160209	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP3923245 B2	20170302	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP3923245 B2	20200907	PEXP		Calculated Patent Term Expiry	
US7037301 BA	20020731	LSAS	AS	ASSIGNMENT	OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:OHASHI,

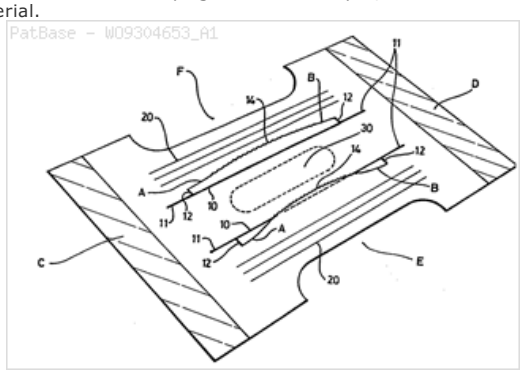
					NAOTO;SHIMOE, NARIAKI;REEL/FRAME:013142/0278;SIGNING DATES FROM 20020704 TO 20020709 Owner: UNI-CHARM CO. LTD., JAPAN PartyType: owner
US7037301 BA	20060412	LSGT	PAT1	Patented Case	
US7037301 BA	20060502	LSGT	+	granted / extensions (spc, cpc, pte)	
US7037301 BA	20090930	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US7037301 BA	20131002	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 8
US7037301 BA	20171211	LSFE	FEPP	FEE PAYMENT PROCEDURE	Text: MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.)
US7037301 BA	20180528	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	Text: PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.)
US7037301 BA	20180528	LSLE	PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7037301 BA	20180528	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	Text: PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7037301 BA	20180619	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	Effective date: 20180502
US7037301 BA	20240708	PEXP		Calculated Patent Term Expiry (PTA 710 days)	

60) Family number: 8358746 (WO9304653 A1)

Title: **DIAPER**

Abstract: The present invention relates to a **disposable** sanitary **article**, for example a **diaper**, having an **absorbent** layer (2) provided with one or more additive materials (4) adapted to enhance the fluid absorption properties of the layer, characterised in that the amount of such additive(s) in a first portion of the pad which is adapted to be in the immediate neighbourhood of the source of the fluid to be **absorbed** by the pad during use is reduced as compared to the portions of the pad in outward flow relation to that said first portion, preferably this is achieved by cutting away the appropriate portions (30) of a sheet (6) intermediate the next-to-the-skin layer of the **article** and the underlying **absorbent** layer, which intermediate sheet carries part or all of the **absorbent** additive material.

Classifications:
International (IPC 8-9): A61F13/15
International (IPC 1-7): A61F13/15 A61F13/46
CPC: A61F13/15585 A61F13/491 A61F13/49413 A61F13/512 A61F2013/15227 A61F2013/49025 A61F2013/49031 A61F2013/49033 A61F2013/49039 A61F2013/49076 A61F2013/49077 A61F2013/49433 A61F2013/4948 A61F2013/51019 A61F2013/51023 A61F2013/51026 A61F2013/5103 A61F2013/51033 A61F2013/51066 A61F2013/530007 A61F2013/530036 A61F2013/530233 A61F2013/530481 A61F2013/53051 A61F2013/530525 A61F2013/530532 A61F2013/53054 A61F2013/530547 A61F2013/530562 A61F2013/530569 A61F2013/530613 A61F2013/5307 A61F2013/530802 A61F2013/530875 A61F2013/53445 A61F2013/53908 A61F2013/53925 A61F2013/5395 A61F13/51305 A61F13/535



Family:

Publication number	Publication date	Application number	Application date
AU199224835 A1	19930427	AU19920024835	19920828
AU199224875 A1	19930405	AU19920024875	19920828
EP0602092 A1	19940622	EP19920918271	19920828
EP0607165 A1	19940727	EP19920918293	19920828
GB9117756 A0	19911002	GB19910017756	19910830
GB9119743 A0	19911030	GB19910019743	19910916
GB9125178 A0	19920129	GB19910025178	19911126
GB9125179 A0	19920129	GB19910025179	19911126
WO9304653 A1	19930318	WO1992GB01585	19920828
WO9305742 A1	19930401	WO1992GB01584	19920828

Priority:

GB19910017756 19910830 GB19910019743 19910916 GB19910025178 19911126
GB19910025179 19911126 WO1992GB01584 19920828 WO1992GB01585 19920828

Probable Assignee: TURNER BERNARD M

Assignee(s): (std): BALL JEFFREY M ; BREGER GIBSON LTD ; DISPOSABLES AND DIAPER DEVELOPME ; TURNER BERNARD M

Assignee(s): BREGER GIBSON LIMITED ; DISPOSABLES AND DIAPER DEVELOPMENTS LIMITED

Inventor(s): (std): BALL JEFFREY MAURICE

Inventor(s): JEFFREY MAURICE BALL

Designated states: AT AU BB BE BF BG BJ BR CA CF CG CH CI CM CS DE DK ES FI FR GA GB GN GR HU IE IT JP KP KR LI LK LU MC MG ML MN MR MW NL NO PL RO RU SD SE SN TD TG US

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU199224835 A1	19930427	LSPB	+	published / reissued	
AU199224875 A1	19930405	LSPB	+	published / reissued	
EP0602092 A1	19940622	LSPB	+	published / reissued	
EP0602092 A1	19940622	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 19940205
EP0602092 A1	19940622		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL SE
EP0602092 A1	19960828	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 19960301
EP0607165 A1	19940727	LSPB	+	published / reissued	
EP0607165 A1	19940727	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 19940205
EP0607165 A1	19940727		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL SE

EP0607165 A1	19960828	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 19960301
GB9119743 A0	19921014		730A	PROCEEDING UNDER SECTION 30 PATENTS ACT 1977	
GB9125178 A0	19921111		730A	PROCEEDING UNDER SECTION 30 PATENTS ACT 1977	
GB9125179 A0	19921111		730A	PROCEEDING UNDER SECTION 30 PATENTS ACT 1977	
WO9304653 A1	19930318	LSPB	+	published / reissued	
WO9304653 A1	19930318		+AK	DESIGNATED STATES	Kind code of Ref document: A1 Country of Ref document: AT AU BB BG BR CA CH CS DE DK ES FI GB HU JP KP KR LK LU MG MN MW NL NO PL RO RU SD SE US
WO9304653 A1	19930318		+AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS	Kind code of Ref document: A1 Country of Ref document: AT BE BF BJ CF CG CH CI CM DE DK ES FR GA GB GN GR IE IT LU MC ML MR NL SE SN TD TG
WO9304653 A1	19930513		DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE (PCT APPLICATION FILED BEFORE 20040101)	
WO9304653 A1	19940205	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 1992918271 Country of Ref document: EP
WO9304653 A1	19940228	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Kind code of Ref document: A Date of Ref document: 19940228 Ref document number: 1994 204145 Country of Ref document: US
WO9304653 A1	19940622	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	Ref document number: 1992918271 Country of Ref document: EP
WO9304653 A1	19940623	LSWD	REG	REFERENCE TO NATIONAL CODE	Ref legal event code: 8642 Ref country code: DE
WO9304653 A1	19950430	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: CA
WO9304653 A1	19960301	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	Ref document number: 1992918271 Country of Ref document: EP
WO9305742 A1	19930401	LSPB	+	published / reissued	
WO9305742 A1	19930401		+AK	DESIGNATED STATES	Kind code of Ref document: A1 Country of Ref document: AT AU BB BG BR CA CH CS DE DK ES FI GB HU JP KP KR LK LU MG MN MW NL NO PL RO RU SD SE US
WO9305742 A1	19930401		+AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS	Kind code of Ref document: A1 Country of Ref document: AT BE BF BJ CF CG CH CI CM DE DK ES FR GA GB GN GR IE IT LU MC ML MR NL SE SN TD TG
WO9305742 A1	19930513		DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE (PCT APPLICATION FILED BEFORE 20040101)	
WO9305742 A1	19940205	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 1992918293 Country of Ref document: EP
WO9305742 A1	19940228	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Ref document number: 1994 204146 Kind code of Ref document: A

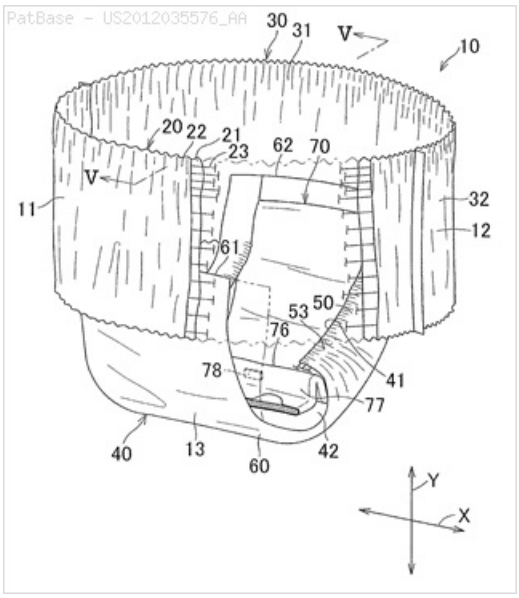
					Date of Ref document: 19940228 Country of Ref document: US
WO9305742 A1	19940630	LSWD	REG	REFERENCE TO NATIONAL CODE	Ref country code: DE Ref legal event code: 8642
WO9305742 A1	19940727	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	Ref document number: 1992918293 Country of Ref document: EP
WO9305742 A1	19950516	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: CA
WO9305742 A1	19960301	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	Ref document number: 1992918293 Country of Ref document: EP

61) Family number: 47022522 (US2012035576 AA)

Title: **ABSORBENT ARTICLE**

Abstract: The present invention provides an **absorbent article** improved so that bodily fluids can be **absorbed** by an **absorbent** structure from a skin-facing side of the **absorbent** structure and a non-skin-facing side thereof and thereby a liquid-**absorbent** core can be efficiently utilized. In a **diaper** 10, a crotch member 40 includes a pair of skin-contactable sheets 50 spaced from each other in a transverse direction X and an outer sheet 60. Inner side edges 53, 53 of the respective skin-contactable sheets cooperate with respective second ends 25, 35 of front and rear waist members to define an opening 41. A plurality of crotch elastic members 55 are attached to the inner side edges 53, 53 of the respective skin-contactable sheets and, under the effect of these crotch elastic members 55, a length dimension of the skin-contactable sheets is substantially reduced. The inner side edges 53 of the skin-contactable sheets are spaced from the outer sheet 60 in a thickness direction to form a space 42 between the skin-contactable sheets 50 and the outer sheet 60. Within this space 42, a liquid-**absorbent** structure 70 is provided. The liquid-**absorbent** structure 70 includes a fold 77 formed by folding the structure 70 along a folding line 76. A top of the fold 77 is bonded to the inner side edges 53 of the respective skin-contactable sheets 50.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49 A61F13/494 A61F13/495 A61F13/496 A61F13/53 A61F13/534 A61F13/64
International (IPC 1-7): A61F13/15 A61F13/49
CPC: A61F13/49001 A61F13/49011 A61F13/49426 A61F13/495 A61F13/496 A61F13/53409 A61F13/64
US: 1/1 604/385.01 604/385.010S 604/385.24 604/385.240P



Family:

Publication number	Publication date	Application number	Application date
AR075996 AA	20110511	AR2010P101030	20100330
CN102378609 A	20120314	CN201080014945	20100222
EP2415429 A1	20120208	EP20100758339	20100222
EP2415429 A4	20130515	EP20100758339	20100222
JP2010233905 A2	20101021	JP20090086867	20090331
JP5414099 B2	20140212	JP20090086867	20090331
TW201103510 A	20110201	TW20100109643	20100330
US2012035576 AA	20120209	US20100260805	20100222
US9084698 BB	20150721	US20100260805	20100222
WO10113562 A1	20101007	WO2010JP52594	20100222

Priority:
JP20090086867 20090331 WO2010JP52594 20100202 WO2010JP52594 20100222

Probable Assignee: UNI CHARM CORP

Assignee(s): (std): ICHIKAWA MAKOTO ; SASAYAMA KENICHI ; UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CO LTD ; UNI CHARM CORPORATION ; ユニ チャーム株式会社 ; ユニ･チャーム株式会社 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司 ; 市川 誠 ; 笹山 賢一

Inventor(s): (std): ICHIKAWA MAKOTO ; KENICHI SASAYAMA ; MAKOTO ICHIKAWA ; SASAYAMA KENICHI

Inventor(s): 市川 誠 ; 市川诚 ; 笹山 賢一 ; 笹山贤一

Agent(s): LOWE HAUPTMAN AND HAM LLP; PETER JULIAN; SHIRAHAMA YOSHIHARU ET AL; 中国国际贸易促进委员会专利商标事务所 11038; 史雁鸣; 林志剛; 白浜 吉治; 白浜 秀二; 齋藤 博子

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR075996 AA	20110511	LSPB	+	published / reissued	
AR075996 AA	20170223	LSGT	+FG	GRANT, REGISTRATION	
CN102378609 A	20120314	LSPB	+	published / reissued	

CN102378609 A	20120314	LSPB	+C06	PUBLICATION	
CN102378609 A	20120425		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN102378609 A	20141126	LSDW	-C20	PATENT RIGHT OR UTILITY MODEL DEEMED TO BE ABANDONED OR IS ABANDONED	
EP2415429 A1	20120208	LSPB	+	published / reissued	
EP2415429 A1	20120208	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20110923
EP2415429 A1	20120208		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR
EP2415429 A1	20120704		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2415429 A4	20130515	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20130412
EP2415429 A4	20130515		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/53 20060101ALI20130408BHEP ClassificationScheme: IPC
EP2415429 A4	20130515		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/64 20060101ALI20130408BHEP ClassificationScheme: IPC
EP2415429 A4	20130515		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/15 20060101AFI20130408BHEP ClassificationScheme: IPC
EP2415429 A4	20130515		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/494 20060101ALI20130408BHEP
EP2415429 A4	20130515		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/49 20060101ALI20130408BHEP
EP2415429 A4	20130515		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/495 20060101ALI20130408BHEP ClassificationScheme: IPC
EP2415429 A4	20130515		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/496 20060101ALI20130408BHEP
EP2415429 A4	20130515		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/534 20060101ALI20130408BHEP ClassificationScheme: IPC
EP2415429 A4	20140319	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20140218
EP2415429 A4	20141203	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20140701
JP2010233905 A2	20101021	LSPB	+	published / reissued	
JP2010233905 A2	20120309	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Effective date: 20120308 Text: JAPANESE INTERMEDIATE CODE: A621
JP2010233905 A2	20130417	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20130416
JP2010233905 A2	20130523	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20130522 Text: JAPANESE INTERMEDIATE CODE: A523
JP2010233905 A2	20131028	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2010233905 A2	20131107	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION	Effective date: 20131106 Text: JAPANESE INTERMEDIATE CODE: A01

				(UTILITY MODEL)	
JP2010233905 A2	20131121	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Text: JAPANESE INTERMEDIATE CODE: A61 Effective date: 20131111
JP5414099 B2	20131114	LSGT	+A01	特許査定書	
JP5414099 B2	20131114	LSGT	+A01	特許査定書	Effective date: 20131106
JP5414099 B2	20131119	LSFE	R100	特許料納付書	
JP5414099 B2	20131119	LSFE	R100	特許料納付書	Text: 51302347948 Effective date: 20131111
JP5414099 B2	20131122	LSGT	+R150	特許証	
JP5414099 B2	20131122	LSGT	+R150	特許証	Effective date: 20131203
JP5414099 B2	20140212	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5414099 B2	20161013	LSFE	R20	特許料納付書	
JP5414099 B2	20161013	LSFE	R20	特許料納付書	Text: 51602138344 Effective date: 20161012
JP5414099 B2	20161018	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5414099 B2	20161018	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP5414099 B2	20161018	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20161025
JP5414099 B2	20171019	LSFE	R20	特許料納付書	
JP5414099 B2	20171019	LSFE	R20	特許料納付書	Effective date: 20171012 Text: 51702163294
JP5414099 B2	20171024	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5414099 B2	20171024	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP5414099 B2	20171024	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20171031
JP5414099 B2	20181011	LSFE	R20	特許料納付書	
JP5414099 B2	20181011	LSFE	R20	特許料納付書	Text: 51802090229 Effective date: 20181010
JP5414099 B2	20181016	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5414099 B2	20181016	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP5414099 B2	20181016	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20181023
JP5414099 B2	20191122	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP5414099 B2	20290331	PEXP		Calculated Patent Term Expiry	
TW201103510 A	20110201	LSPB	+	published / reissued	
US2012035576 AA	20120209	LSPB	+	published / reissued	
US2012035576 AA	20150630	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US9084698 BB	20110928	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:ICHIKAWA, MAKOTO;SASAYAMA, KENICHI;SIGNING DATES FROM 20110830 TO 20110907;REEL/FRAME:026983/0016 Owner: UNI-CHARM CORPORATION, JAPAN
US9084698 BB	20150630	LSGT	PAT1	Patented Case	
US9084698 BB	20150721	LSGT	+	granted / extensions (spc, cpc, pte)	
US9084698 BB	20190311	LSFE	FEPP	FEE PAYMENT PROCEDURE	Text: MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US9084698 BB	20190826	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	Text: PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.);

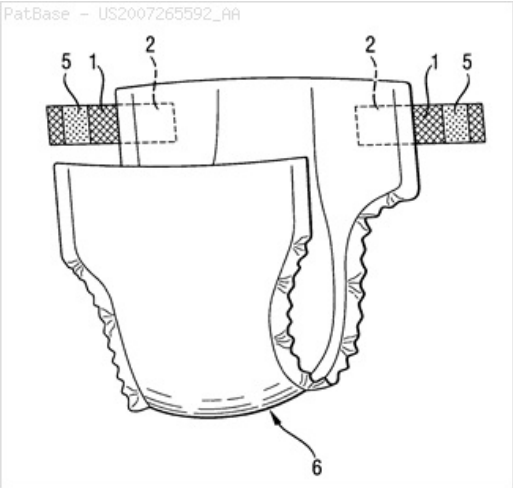
					ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US9084698 BB	20190826	LSLE	PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US9084698 BB	20190826	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	Text: PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US9084698 BB	20190917	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	Effective date: 20190721
US9084698 BB	20320820	PEXP		Calculated Patent Term Expiry (PTA 910 days)	
WO10113562 A1	20100222	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 201080014945.9 Country of Ref document: CN
WO10113562 A1	20101007	LSPB	+	published / reissued	
WO10113562 A1	20101124		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Ref document number: 10758339 Kind code of Ref document: A1 Country of Ref document: EP
WO10113562 A1	20110923	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2010758339 Country of Ref document: EP
WO10113562 A1	20110928	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 13260805 Country of Ref document: US
WO10113562 A1	20110930	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE

62) Family number: 35411449 (US2007265592 AA)

Title: **DIAPER** CLOSURE ELEMENTS

Abstract: A **diaper** comprising a garment facing side and a wearer facing side, the **diaper** further comprising closure elements, at least one closure element comprising: a carrier layer (1) comprising a nonwoven or woven material, and comprising a first surface and a second surface opposite the first surface, a first side edge and a second side edge opposite the first side edge, and a first end edge and a second end edge opposite the first end edge, the first surface of the carrier layer (1) comprising a bonding layer (2), the bonding layer (2) not extending over the entire first surface of the carrier layer (1) and the first surface of the carrier layer (1) further comprising an anchoring layer (3) suitable for the attachment of a hook patch (5), the second surface of the carrier layer (1) comprising a separation layer (4). A closure element and a method of manufacture are further aspects of the invention.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/56 A61F13/62
CPC: A61F13/15756 A61F13/58 A61F13/627
US: 604/385.01 604/386 604/391 604/391P 604/392



Family:

Publication number	Publication date	Application number	Application date
EP1820482 A1	20070822	EP20060003325	20060217
US2007265592 AA	20071115	US20070803218	20070514
US8491560 BB	20130723	US20070803218	20070514
WO07093971 A1	20070823	WO2007IB50506	20070215

Priority:

EP20060003325 20060217 WO2007IB50506 20070215

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): PROCTER AND GAMBLE ; SCHUERFELD JULIA KATHARINA ; SCHUERFELD JULIE KATHARINA ; STELZER NORBERT MATTHIAS

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY

Inventor(s): (std): SCHUERFELD JULIA K ; SCHUERFELD JULIA KATHARINA ; SCHUERFELD JULIE KATHARINA ; STELZER NORBERT M ; STELZER NORBERT MATTHIAS

Inventor(s): SCHUERFELD JULIA ; STELZER NORBERT

Agent(s): LAURA A; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; THIBAULT

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 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 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 YU ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
EP1820482 A1	20070822	LSPB	+	published / reissued	
EP1820482 A1	20070822		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1820482 A1	20070822		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA HR MK YU
EP1820482 A1	20080312	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20080130
EP1820482 A1	20080416	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20080318
EP1820482 A1	20080430	LSFE	+AKX	DESIGNATION FEES PAID	Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

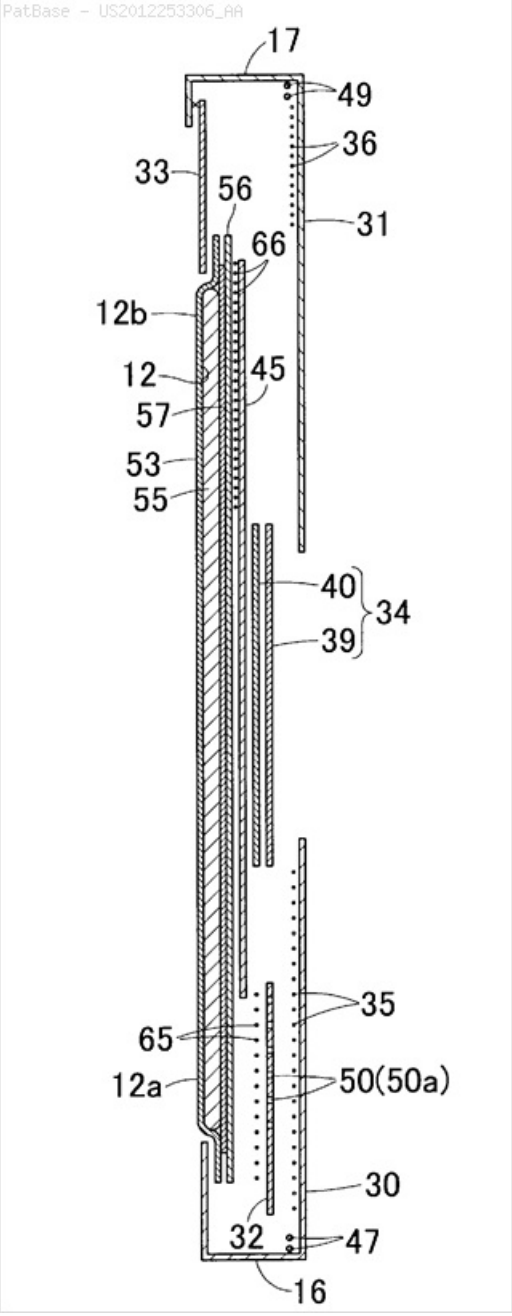
EP1820482 A1	20200205	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20190903
US2007265592 AA	20071115	LSPB	+	published / reissued	
US2007265592 AA	20130703	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US8491560 BB	20070724	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:SCHUERFELD, JULIA KATHARINA;STELZER, NORBERT MATTHIAS;REEL/FRAME:019634/0414 Owner: PROCTER & GAMBLE COMPANY, THE, OHIO Effective date: 20070514
US8491560 BB	20130703	LSGT	PAT1	Patented Case	
US8491560 BB	20130723	LSGT	+	granted / extensions (spc, cpc, pte)	
US8491560 BB	20130917	LSRE	CC	CERTIFICATE OF CORRECTION	
US8491560 BB	20161228	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US8491560 BB	20290527	PEXP		Calculated Patent Term Expiry (PTA 744 days)	
WO07093971 A1	20070514	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 11803218 Country of Ref document: US
WO07093971 A1	20070823	LSPB	+	published / reissued	
WO07093971 A1	20071024		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	
WO07093971 A1	20071115	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	Ref document number: 11803218 Country of Ref document: US
WO07093971 A1	20080819	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE
WO07093971 A1	20090311	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	Kind code of Ref document: A1 Ref document number: 07705898 Country of Ref document: EP

63) Family number: 49180019 (US2012253306 AA)

Title: **DISPOSABLE** WEARING **ARTICLE**

Abstract: The present invention aims to provide a **disposable** wearing **article** improved so that front and rear waist regions may assure desired fitness without adversely affecting an absorption capacity of a bodily fluid-**absorbent** core assembly. At least one of front and rear waist regions includes an inner sheet lying on a skin-facing side and having stretch properties and an outer sheet lying on a non-skin-facing side and having a low elastic contractile force. In a section of this one waist region occupied by a liquid-**absorbent** core assembly including a bodily fluid-**absorbent** core, the inner sheet is partially cut to define a perforated region. Adhesive used to bond the liquid-**absorbent** core assembly to the inner sheet and adhesive used to bond the inner sheet to the outer sheet are put in contact with and joined to each other through openings developed by partially cutting the inner sheet.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/493 A61F13/496 A61F13/53 A61F13/539 A61F13/84 A61L15/58
International (IPC 1-7): A61F13/15 A61F13/49 A61F13/496
CPC: A61F13/49009 A61F13/49012 A61F13/49058 A61F13/539 A61F2013/53908 A61F2013/8497
US: 604/365 604/366 604/367 604/378 604/379 604/380 604/383



Family:

Publication number	Publication date	Application number	Application date
AU2010337712 AA	20110707	AU20100337712	20101227
AU2010337712 BB	20150319	AU20100337712	20101227
BR112012015789 A2	20160607	BR20121115789	20101227
CN102686198 A	20120919	CN201080059643	20101227
EA023356 B1	20160531	EA20120090211	20101227
EA201290211 A1	20130130	EA20120090211	20101227
EP2519210 A1	20121107	EP20100840780	20101227
EP2519210 A4	20131030	EP20100840780	20101227
IN04490CN2012 A	20140221	IN2012CN04490	20120522
JP2011136095 A2	20110714	JP20090298986	20091228
JP5457829 B2	20140402	JP20090298986	20091228
KR101604165 B1	20160316	KR20127019555	20101227
KR20120099291 A	20120907	KR20127019555	20101227
MA33953 B1	20130102	MA20120035102	20120725

MY153480 A	20150216	MY20120002766	20101227
TH118742 A	20121227	TH20121003217	20101227
TH68605 B	20190306	TH20121003217	20101227
TW201138738 A	20111116	TW20100146117	20101227
US2012253306 AA	20121004	US20100515307	20101227
US9035125 BB	20150519	US20100515307	20101227
VN22799 A1	20200127	VN20120001475	20120525
WO11080921 A1	20110707	WO2010JP07577	20101227

Priority:

JP20090298986 20091228 WO2010JP07577 20101227

Probable Assignee: UNICHARM CORP

Assignee(s): (std): HASHIMOTO TATSUYA ; OTSUBO TOSHIFUMI ; TAKEUCHI MARIKO ; UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CO LTD ; UNICHARM CORPORATION ; ユニチャーム株式会社 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司 ; 유니참 가부시키가이샤

Inventor(s): (std): HASHIMOTO TATSUYA ; MARIKO TAKEUCHI ; OTSUBO TOSHIBUMI ; OTSUBO TOSHIFUMI ; TAKEUCHI MARIKO ; TATSUYA HASHIMOTO ; TOSHIFUMI OTSUBO

Inventor(s): ОЦУБО ТОШИФУМИ ; ТАКЕУТИ МАРИКО ; ХАШИМОТО ТАЦУЯ ; 大坪 俊文 ; 桥本达也 ; 橋本 達也 ; 竹内真里子 ; 竹内 まり子 ; 竹内毬子 ; 다케우치 마리코 ; 오츠보 도시후미 ; 하시모토 다츠야

Agent(s): CONG TY CỔ PHẦN SỞ HỮU CONG NGHIỆP INVESTIP; EKE PHILIPPA DIANNE; LOWE HAUPTMAN AND HAM LLP; PHILLIPS ORMONDE FITZPATRICK; SHIRAHAMA YOSHIHARU ET AL; 中国国际贸易促进委员会专利商标事务所 11038; 史雁鸣; 林志剛; 白浜 吉治; 白浜 秀二; 齋藤 博子; 강승옥; 김태홍; 송승필

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2010337712 AA	20110707	LSPB	+	published / reissued	
AU2010337712 BB	20150319	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2010337712 BB	20150716	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2010337712 BB	20301227	PEXP		Calculated Patent Term Expiry	
BR112012015789 A2	20160621	LSRV	-B11A	DISMISSAL ACC. ART.33 OF IPL - EXAMINATION NOT REQUESTED WITHIN 36 MONTHS OF FILING	
BR112012015789 A2	20170404	LSRV	-B11Y	DEFINITIVE DISMISSAL ACC. ARTICLE 33 OF IPL - EXTENSION OF TIME LIMIT FOR REQUEST OF EXAMINATION EXPIRED	
CN102686198 A	20120919	LSPB	+	published / reissued	
CN102686198 A	20120919	LSPB	+C06	PUBLICATION	
CN102686198 A	20130102		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN102686198 A	20141105	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
EA023356 B1	20160531	LSGT	+	granted / extensions (spc, cpc, pte)	
EA023356 B1	20170831	LSLE	-MM4A	LAPSE OF A EURASIAN PATENT DUE TO NON-PAYMENT OF RENEWAL FEES WITHIN THE TIME LIMIT IN THE FOLLOWING DESIGNATED STATE(S)	Country of Ref document: AM AZ BY KG KZ MD TJ TM
EA023356 B1	20301227	PEXP		Calculated Patent Term Expiry	
EA201290211 A1	20130130	LSPB	+	published / reissued	

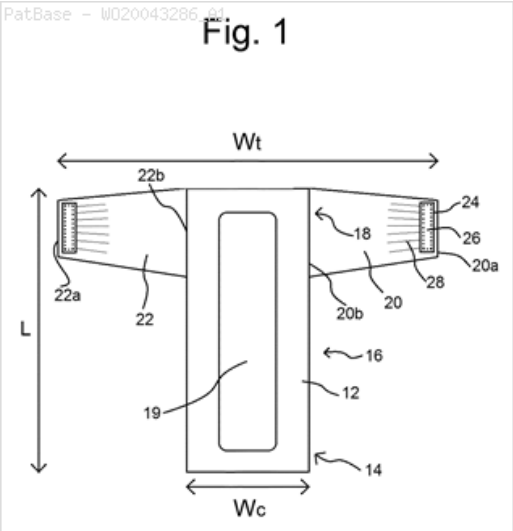
EP2519210 A1	20121107	LSPB	+	published / reissued	
EP2519210 A1	20121107	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20120521
EP2519210 A1	20121107		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2519210 A1	20130403		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2519210 A4	20131030	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20130930
EP2519210 A4	20131030		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALI20130924BHEP
EP2519210 A4	20131030		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/49 20060101ALI20130924BHEP
EP2519210 A4	20131030		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/539 20060101ALI20130924BHEP
EP2519210 A4	20131030		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/496 20060101AFI20130924BHEP
EP2519210 A4	20140219	LSWD	-18W	APPLICATION WITHDRAWN	Effective date: 20140116
IN04490CN2012 A	20140221	LSPB	+	published / reissued	
JP2011136095 A2	20110714	LSPB	+	published / reissued	
JP2011136095 A2	20121204	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Effective date: 20121203 Text: JAPANESE INTERMEDIATE CODE: A621
JP2011136095 A2	20130724	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20130723 Text: JAPANESE INTERMEDIATE CODE: A131
JP2011136095 A2	20130823	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20130822 Text: JAPANESE INTERMEDIATE CODE: A523
JP2011136095 A2	20131220	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2011136095 A2	20140108	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20140107 Text: JAPANESE INTERMEDIATE CODE: A01
JP2011136095 A2	20140116	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective date: 20140110 Text: JAPANESE INTERMEDIATE CODE: A61

64) Family number: 77878932 (WO20043286 A1)

Title: **DISPOSABLE** WEARABLE **ABSORBENT** **ARTICLE**

Abstract: A **disposable** wearable **absorbent** **article** (10) comprises a chassis (12) having an **absorbent** core (19) and first and second side panels (20, 22) extending transversally outwards towards respective outer edges (20a, 22a). Each of the first and second side panels (20, 22) comprises a mechanical fastening material (24) affixed to an outer end portion of the panel whereby, in use, the first and second side panels can extend around a user's waist to couple the first and second side panels to the chassis. Each of the side panels (20, 22) is gathered in a longitudinal direction to form at least one pleat (28) extending in the transverse direction, and comprises a binding material (26) affixed to respective side panels to maintain each of the first and second side panels (20, 22) in a gathered configuration. A method for forming **disposable** wearable **absorbent** **articles** is also disclosed.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/56
CPC: A61F13/15756 A61F13/49014 A61F13/5622 A61F13/5633 A61F13/5638 A61F13/5655 A61F2013/5683 A61F2013/5688



Family:

Publication number	Publication date	Application number	Application date
WO20043286 A1	20200305	WO2018EP73270	20180829

Priority:
WO2018EP73270 20180829

Probable Assignee: ESSITY HYGIENE AND HEALTH AB
Assignee(s): (std): ESSITY HYGIENE AND HEALTH AB
Assignee(s): ESSITY HYGIENE AND HEALTH AKTIEBOLAG
Inventor(s): (std): CARLEN HENRIK ; DOVERBO ANNA GERD ; TERENTIC VERICA
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 DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

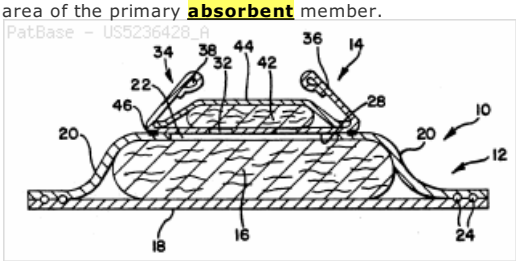
Patent	Date recorded	Event group	Code	Event	Details
WO20043286 A1	20200305	LSPB	+	published / reissued	
WO20043286 A1	20200415		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Kind code of Ref document: A1 Ref document number: 18762498 Country of Ref document: EP

65) Family number: 11258769 (US5236428 A)

Title: **Absorbent** **article** having auxillary **absorbent** member having standing leg gathers

Abstract: An **absorbent** **article**, illustrated as a **disposable** **diaper**, includes a primary **absorbent** member and an auxiliary **absorbent** member. The primary **absorbent** member has an upper liquid-receiving surface area. The auxiliary **absorbent** member includes a liquid-permeable lower surface region, and a pair of substantially liquid-impermeable upstanding leg gathers in at least a target area of the **absorbent** **article**. An attachment arrangement joins the primary and auxiliary **absorbent** members to position the liquid-permeable lower surface region of the auxiliary **absorbent** member in liquid-transferring relationship with the upper liquid-receiving surface area of the primary **absorbent** member.

Classifications:
International (IPC 8-9): A61F13/15
International (IPC 1-7): A61F13/15
CPC: A61F13/474 A61F13/493 A61F13/49413 A61F13/4942 A61F13/534 A61F13/535 A61F2013/49031 A61F2013/49074 A61F2013/4944 A61F2013/4948 A61F2013/4955 A61F2013/5055
US: 604/383 604/385.2 604/385.26



Family:

Publication number	Publication date	Application number	Application date
US5236428 A	19930817	US19920853928	19920319

Priority:

US19920853928 19920319

Probable Assignee: PARAGON TRADE BRANDS INC

Assignee(s): (std): PARAGON TRADE BRANDS INC

Assignee(s): CHASE MANHATTAN BANK AGENT AS ; CHASE MANHATTAN BANK AS AGENT ; CHEMICAL BANK AS COLLATERAL AGENT ; CHEMICAL BANK COLLATERAL AGENT AS ; CITICORP USA INC ; JP MORGAN CHASE BANK NA ; JPMORGAN CHASE NA ; PARAGON TRADE BRANDS LLC ; WYERHAEUSER CO ; WYERHAEUSER CO A WASH CORP

Inventor(s): (std): ZAJACZKOWSKI PETER

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
US5236428 A	19920514	LSAS	AS	ASSIGNMENT	Effective date: 19920312 Owner: WYERHAEUSER COMPANY, A WASH CORP. OldParty: ASSIGNMENT OF ASSIGNORS INTEREST.;ASSIGNOR:ZAJACZKOWSKI, PETER;REEL/FRAME:006109/0745 PartyType: owner
US5236428 A	19930514	LSAS	AS	ASSIGNMENT	Effective date: 19930202 Owner: CHEMICAL BANK, AS COLLATERAL AGENT, NEW YORK OldParty: SECURITY INTEREST;ASSIGNOR:PARAGON TRADE BRANDS, INC., A DE CORP;REEL/FRAME:006535/0539 PartyType: owner
US5236428 A	19930601	LSAS	AS	ASSIGNMENT	OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:WEYERHAEUSER COMPANY;REEL/FRAME:006559/0141 Effective date: 19930507 Owner: PARAGON TRADE BRANDS, INC., WASHINGTON PartyType: owner
US5236428 A	19930806	LSGT	PAT1	Patented Case	
US5236428 A	19930806	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US5236428 A	19930817	LSGT	+	granted / extensions (spc, cpc, pte)	
US5236428 A	19931202	LSAS	AS	ASSIGNMENT	Owner: PARAGON TRADE BRANDS, INC., WASHINGTON PartyType: owner OldParty: RELEASE BY SECURED PARTY;ASSIGNOR:CHEMICAL BANK;REEL/FRAME:006816/0318 Effective date: 19931104
US5236428 A	19970211	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US5236428 A	19980126	LSAS	AS	ASSIGNMENT	Effective date: 19980107 Owner: CHASE MANHATTAN BANK, AS AGENT, THE, NEW YORK OldParty: SECURITY

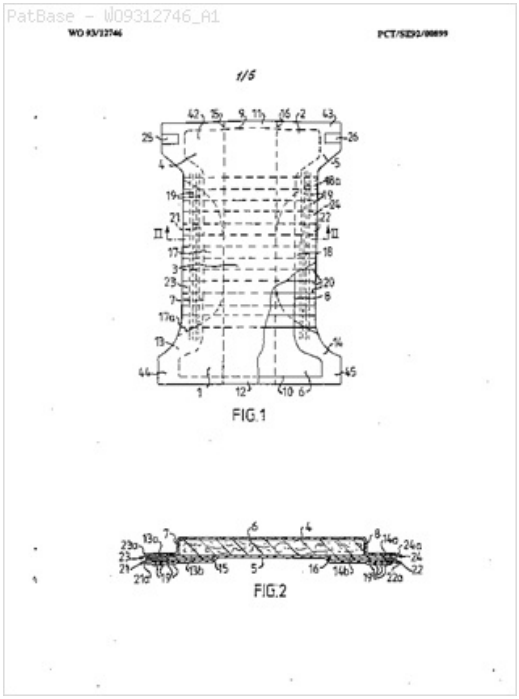
					AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:008989/0159 PartyType: owner
US5236428 A	20000211	LSAS	AS	ASSIGNMENT	OldParty: SECURITY AGREEMENT;ASSIGNORS:PARAGON TRADE BRANDS, INC.;PTB INTERNATIONAL, INC.;PTB HOLDINGS, INC.;REEL/FRAME:010628/0096 PartyType: owner Effective date: 20000127 Owner: CITICORP USA, INC., NEW YORK
US5236428 A	20010216	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 8
US5236428 A	20010313		REMI	MAINTENANCE FEE REMINDER MAILED	
US5236428 A	20050217	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 12
US5236428 A	20080417	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:020817/0030 PartyType: owner Owner: CHASE MANHATTAN BANK, THE, AS AGENT, NEW YORK Effective date: 20080417
US5236428 A	20080418	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: RELEASE OF SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:020837/0021 Effective date: 20080417 Owner: CITICORP USA, INC., NEW YORK
US5236428 A	20080708	LSAS	AS	ASSIGNMENT	OldParty: SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:021205/0378 PartyType: owner Effective date: 20080418 Owner: JP MORGAN CHASE BANK, N.A., ILLINOIS
US5236428 A	20080708	LSAS	AS	ASSIGNMENT	OldParty: SECURITY AGREEMENT;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:021205/0378 PartyType: owner Owner: JP MORGAN CHASE BANK, N.A.,ILLINOIS Effective date: 20080418
US5236428 A	20090121	LSAS	AS	ASSIGNMENT	Effective date: 20081219 Owner: PARAGON TRADE BRANDS, LLC, NEW YORK PartyType: owner OldParty: CONVERSION AND CHANGE OF NAME;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:022177/0138
US5236428 A	20090121	LSAS	AS	ASSIGNMENT	Owner: PARAGON TRADE BRANDS, LLC,NEW YORK OldParty: CONVERSION AND CHANGE OF NAME;ASSIGNOR:PARAGON TRADE BRANDS, INC.;REEL/FRAME:022177/0138 PartyType: owner Effective date: 20081219
US5236428 A	20110929	LSAS	AS	ASSIGNMENT	OldParty: SECURITY AGREEMENT;ASSIGNORS:FIRST QUALITY BABY PRODUCTS, LLC;FIRST QUALITY ENTERPRISES, INC.;FIRST QUALITY NONWOVENS, INC.;AND OTHERS;REEL/FRAME:026994/0359 Effective date: 20110629 Owner: JPMORGAN CHASE, N.A., ILLINOIS PartyType: owner
US5236428 A	20120319	PEXP		Calculated Patent Term Expiry	

66) Family number: 8378376 (WO9312746 A1)

Title: AN **ABSORBENT ARTICLE**

Abstract: An **absorbent article**, such as a **diaper**, an incontinence guard or like **article**, comprising a front and a rear end-part (1, 2), an intermediate crotch-part (3) which is intended to be located between the thighs of the wearer in use, an **absorbent** pad (6), flexible side-flaps (21, 22) which extend laterally beyond the **absorbent** pad (6) on both sides of the same, at least within the crotch-part (3), longitudinally extending elastic elements (19) which are **disposed** along the free side-edge (21a, 22a) of the side-flaps (21, 22), the elastic elements (19) functioning as leg elastication when the **article** is worn, and transverse elastic elements (20) which are mounted, in a stretched state, at least in the crotch-part (3) inwardly of an **article** casing layer (4) on that side of the **absorbent** pad which is intended to face the wearer in use. The invention is characterized in that the **article** includes, at least in the crotch-part, barrier flaps (23, 24) which extend along the **absorbent** pad and which are separate from the side-flaps (21, 22); and in that the transverse elastic elements (20) extend transversely across the **absorbent** pad and are arranged so that the spring force exerted by the elastic elements (20) will essentially only act on the **absorbent** pad and the barrier flaps (23, 24) upon the transition from their stretched to their contracted state.

Classifications:
International (IPC 8-9): A61F13/15
International (IPC 1-7): A61F13/15
CPC: A61F13/49017 A61F13/49019 A61F13/491 A61F13/49413 A61F13/4942 A61F13/49426 A61F13/49453 A61F13/5323 A61F2013/4568 A61F2013/4575 A61F2013/4587 A61F2013/49025 A61F2013/49031 A61F2013/49033 A61F2013/49042 A61F2013/49076 A61F2013/4944 A61F2013/4948



Family:

Publication number	Publication date	Application number	Application date
AU199332713 A1	19930728	AU19930032713	19921229
GB2262873 A1	19930707	GB19920026218	19921216
GB2262873 B2	19950322	GB19920026218	19921216
GB9226218 A0	19930210	GB19920026218	19921216
MX9207606 A1	19930601	MX19920007606	19921229
SE9103851 A0	19911230	SE19910003851	19911230
SE9103851 L	19930701	SE19910003851	19911230
TNSN92120 A1	19930608	TN1992SN00120	19921229
WO9312746 A1	19930708	WO1992SE00899	19921229
ZA9210056 A	19940323	ZA19920010056	19921228

Priority:
SE19910003851 19911230 WO1992SE00899 19921229

Probable Assignee: MOELNLYCKE AB
Assignee(s): (std): MOELNLYCKE AB
Assignee(s): MOLNLYCKE AB
Inventor(s): (std): KLING R ; KLING ROBERG ; KLING ROBERT
Inventor(s): R KLING ; ROBERG KLING ; ROBERT KLING
Designated states: AT AU BE CA CH CS DE DK ES FI FR GB GR HU IE IT JP LU MC NL NO NZ PL PT SE US

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU199332713 A1	19930728	LSPB	+	published / reissued	
GB2262873 A1	19930707	LSPB	+	published / reissued	
GB2262873 B2	19950322	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2262873 B2	19970806	LSLE	-PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Effective date: 19961216
GB2262873 B2	20121216	PEXP		Calculated Patent Term Expiry	

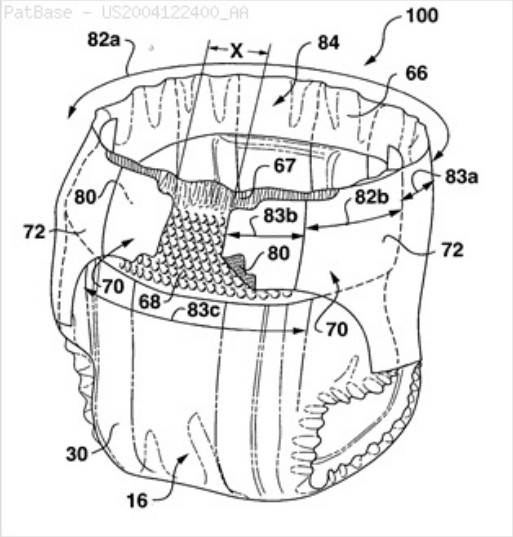
MX9207606 A1	19930601	LSPB	+	published / reissued	
SE9103851 L	19951002	LSLE	-NAV	PATENT APPLICATION HAS LAPSED	Text: 9103851-3
TNSN92120 A1	19930608	LSPB	+	published / reissued	
WO9312746 A1	19930708	LSPB	+	published / reissued	
WO9312746 A1	19930708		+AK	DESIGNATED STATES	Kind code of Ref document: A1 Country of Ref document: AU CA CS FI HU JP NO NZ PL US
WO9312746 A1	19930708		+AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS	Kind code of Ref document: A1 Country of Ref document: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
WO9312746 A1	19931014		DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE (PCT APPLICATION FILED BEFORE 20040101)	
WO9312746 A1	19950419	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	Ref country code: WO
WO9312746 A1	19950830	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: CA
ZA9210056 A	19940323	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA9210056 A	20121227	PEXP		Calculated Patent Term Expiry	

67) Family number: 29152598 (US2004122400 AA)

Title: **ABSORBENT** **ARTICLE** WITH AN ELASTIC WAISTBAND HAVING A PREFERRED RATIO OF ELASTIC TO NON-ELASTIC MATERIALS

Abstract: An **absorbent** **article**, such as a **disposable** **diaper**, includes a chassis having a front waist region, a back waist region, and a crotch region extending between the front and back waist regions. An outer cover member and a bodyside liner extend longitudinally between the front and back waist regions. An **absorbent** body structure is sandwiched between the outer cover member and the bodyside liner. A waistband portion includes at least one elastomeric portion. The waistband portion has a relaxed circumference wherein between about 45 percent to about 70 percent of the circumference is defined by the elastomeric portion. The waistband portion has an extended circumference for a target wearer wherein, at the extended circumference, the elastomeric portion is extended between about 10 percent to about 40 percent of its relaxed circumferential length.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49
International (IPC 1-7): A41B9/00 A61F13/15 A61F13/20 A61F13/49 A61F13/64
CPC: A61F13/49011 A61F13/4902
US: 604/385.22 604/385.27 604/385.3 604/385.300P 604/386



Family:

Publication number	Publication date	Application number	Application date
AU2003204935 AA	20040708	AU20030204935	20030625
AU2003204935 BB	20080821	AU20030204935	20030625
AU2003204935 BH	20080904	AU20030204935	20030625
DE20310439 U1	20031023	DE20032010439U	20030708
IN00745CH2003 A	20051118	IN2003CH00745	20030917
KR101057861 B1	20110819	KR20030093618	20031219
KR20040055682 A	20040626	KR20030093618	20031219
MXPA03011120 A1	20040630	MX2003PA11120	20031203
US2004122400 AA	20040624	US20020324666	20021220
US8257333 BB	20120904	US20020324666	20021220

Priority:
US20020324666 20021220

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): DATTA PAUL J ; EVERSON MARK G ; HANCOCK COOKE CATHERINE M ; KERINS JOHN E ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC

Assignee(s): KIMBERLY CLARK WORLDWIDE INCORPORATED ; 킴벌리 클라크 월드와이드 인크

Inventor(s): (std): DATTA PAUL J ; EVERSON MARK G ; HANCOCK COOKE CATHERINE M ; JOHN E KERINS ; KERINS JOHN E

Inventor(s): CATHERINE M HANCOCK COOKE ; MARK G EVERSON ; PAUL J DATTA ; 다타 폴 제이 ; 에버슨 마크 지 ; 케린스 존 이 ; 한코크 쿠크 캐써린 엠

Agent(s): DORITY AND MANNING PA; SPRUSON AND FERGUSON; 위혜숙; 장수길

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2003204935 AA	20040708	LSPB	+	published / reissued	
AU2003204935 BB	20080821	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2003204935 BB	20230625	PEXP		Calculated Patent Term Expiry	
AU2003204935 BH	20080904		TH	CORRIGENDA	Text: IN VOL 22, NO 33, PAGE(S) 3953 UNDER THE HEADING APPLICATIONS AC-CEPTED -NAME INDEX UNDER THE NAME KIMBERLY-CLARK WORLDWIDE, INC., APPLICATION NO. 2003204935, UNDER INID(72), CORRECT THE CO-INVENTORS TO DATTA, PAUL J., KERINS, JOHN E. AND EVERSON, MARK G.

AU2003204935 BH	20081218	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
DE20310439 U1	20031023	LSGT	+	granted / extensions (spc, cpc, pte)	
DE20310439 U1	20031023	LSGT	R207	UTILITY MODEL SPECIFICATION	Effective date: 20031023
DE20310439 U1	20061109	LSGT	+R150	UTILITY MODEL MAINTAINED AFTER PAYMENT OF FIRST MAINTENANCE FEE AFTER THREE YEARS	Effective date: 20060901
DE20310439 U1	20091105	LSGT	+R151	UTILITY MODEL MAINTAINED AFTER PAYMENT OF SECOND MAINTENANCE FEE AFTER SIX YEARS	Effective date: 20090827
DE20310439 U1	20111006	LSGT	+R152	UTILITY MODEL MAINTAINED AFTER PAYMENT OF THIRD MAINTENANCE FEE AFTER EIGHT YEARS	Effective date: 20110817
DE20310439 U1	20130708	PEXP		Calculated Patent Term Expiry	
DE20310439 U1	20130731	LSLE	-R071	EXPIRY OF RIGHT	
DE20310439 U1	20130801	LSLE	-R071	EXPIRY OF RIGHT	
IN00745CH2003 A	20051118	LSPB	+	published / reissued	
KR101057861 B1	20081021	LSES	A201	REQUEST FOR EXAMINATION	
KR101057861 B1	20101013	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR101057861 B1	20110622	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101057861 B1	20110811	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101057861 B1	20110819	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101057861 B1	20140723	LSFE	FPAY	ANNUAL FEE PAYMENT	Year of fee payment: 4 Payment date: 20140724
KR101057861 B1	20150724	LSFE	FPAY	ANNUAL FEE PAYMENT	Payment date: 20150727 Year of fee payment: 5
KR101057861 B1	20160725	LSFE	FPAY	ANNUAL FEE PAYMENT	Payment date: 20160726 Year of fee payment: 6
KR101057861 B1	20170727	LSFE	FPAY	ANNUAL FEE PAYMENT	Year of fee payment: 7 Payment date: 20170728
KR101057861 B1	20231219	PEXP		Calculated Patent Term Expiry	
KR20040055682 A	20040626	LSPB	+	published / reissued	
MXPA03011120 A1	20040630	LSPB	+	published / reissued	
MXPA03011120 A1	20101109	LSGT	+FG	GRANT OR REGISTRATION	
US2004122400 AA	20040624	LSPB	+	published / reissued	
US2004122400 AA	20120815	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US8257333 BB	20021220	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:HANCOCK-COOKE, CATHERINE M.;EVERSON, MARK G.;DATTA, PAUL J.;AND

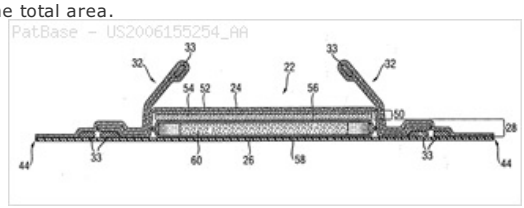
					OTHERS;REEL/FRAME:013611/0812;SIGNING DATES FROM 20021219 TO 20021220 Owner: KIMBERLY-CLARK WORLDWIDE, INC., WISCONSIN
US8257333 BB	20021220	LSAS	AS	ASSIGNMENT	OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:HANCOCK-COOKE, CATHERINE M.;EVERSON, MARK G.;DATTA, PAUL J.;AND OTHERS;SIGNING DATES FROM 20021219 TO 20021220;REEL/FRAME:013611/0812 PartyType: owner Owner: KIMBERLY-CLARK WORLDWIDE, INC., WISCONSIN
US8257333 BB	20120815	LSGT	PAT1	Patented Case	
US8257333 BB	20120904	LSGT	+	granted / extensions (spc, cpc, pte)	
US8257333 BB	20150203	LSAS	AS	ASSIGNMENT	OldParty: NAME CHANGE;ASSIGNOR:KIMBERLY-CLARK WORLDWIDE, INC.;REEL/FRAME:034880/0742 PartyType: owner Effective date: 20150101 Owner: KIMBERLY-CLARK WORLDWIDE, INC., WISCONSIN
US8257333 BB	20160304	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US8257333 BB	20200304	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	Year of fee payment: 8
US8257333 BB	20250406	PEXP		Calculated Patent Term Expiry (PTA 838 days)	

68) Family number: 33109320 (US2006155254 AA)

Title: END SEAL FOR AN **ABSORBENT** **ARTICLE**

Abstract: The present invention relates to **absorbent** **articles**, such as **diapers** and sanitary napkins, and cores useful for such **articles**. More specifically, the invention relates to an **absorbent** **article** having a longitudinal centerline and a transverse centerline, the **absorbent** **article** comprising an **absorbent** core, the core comprising a storage layer and a wearer facing side oriented towards a wearer when the **article** is being worn and an opposed garment facing side, the **absorbent** **article** further comprising a liquid pervious topsheet on the wearer facing side of the core and a liquid pervious backsheet on the garment facing side of the core, the core further comprising a first core wrap sheet covering the wearer facing side of the storage layer and a second core wrap sheet covering the garment facing side of the storage layer the first core wrap sheet being joined to the second core wrap sheet along at least one transverse stripe of juncture, wherein the stripe of juncture covers a total area and the stripe of juncture provides a bond strength of at least 1 N/cm between the first core wrap sheet and a second core wrap sheet as measured as tensile strength in the longitudinal direction and wherein the stripe of juncture comprises an open area of at least 20 percent of the total area.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/472 A61F13/49 A61F13/515 A61F13/53 A61F13/534 A61F13/539 A61F13/56
CPC: A61F13/15203 A61F13/539
US: 604/367 604/378 604/378P



Family:

Publication number	Publication date	Application number	Application date
AT463220 E	20100415	AT20050000392T	20050111
CA2602911 AA	20070710	CA20062602911	20060110
CA2602911 C	20110322	CA20062602911	20060110
CN101090696 A	20071219	CN200680001521	20060110
CN101090696 B	20101027	CN200680001521	20060110
DE602005020412 D1	20100520	DE200560020412T	20050111
EP1679055 A1	20060712	EP20050000392	20050111
EP1679055 B1	20100407	EP20050000392	20050111
JP2008526432 T2	20080724	JP20070551306T	20060110
JP4808734 B2	20111102	JP20070551306T	20060110
MX2007007996 A1	20070823	MX20070007996	20060110
US2006155254 AA	20060713	US20060329797	20060111
US8901367 BB	20141202	US20060329797	20060111
WO06076282 A1	20060720	WO2006US00649	20060110

Priority:
EP20050000392 20050111 WO2006US00649 20060110

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): BRANDT SANZ MIGUEL ; DZIEZOK PETER ; GEILICH RALF ; KREUZER CARSON HEINRICH ; KREUZER CARSTEN HEINRICH ; PROCTER AND GAMBLE ; SANZ MIGUEL BRANDT

Assignee(s): PROCTER AND GAMBLE CO ; PROCTOR AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTOR AND GAMBLE COMPANY ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): BRANDT SANZ MIGUEL ; DZIEZOK PETER ; GEILICH RALF ; HEINRICH KREUZER CARSTEN ; KREUZER CARSON HEINRICH ; KREUZER CARSTEN H ; KREUZER CARSTEN HEINRICH ; MIGUEL BRANDT SANZ ; PETER DZIEZOK ; RALF GEILICH ; SANZ MIGUEL B ; SANZ MIGUEL BRANDT

Inventor(s): CARSTEN HEINRICH KREUZER ; カルステン ハインリッヒ クロイツァー ; ペーター ツィーツォク ; ミゲル ブラント サンツ ; ラルフ ガイリッヒ ; 卡斯坦 H 克罗伊泽 ; 卡斯坦·H·克罗伊泽 ; 彼得 兹佐克 ; 彼得·兹佐克 ; 拉尔夫 盖利希 ; 拉尔夫·盖利希 ; 米古尔 布兰特桑茨 ; 米古尔·布兰特桑茨

Agent(s): CHARLES R; CHRISTIAN M; DIMOCK STRATTON LLP; HEIDE UTE; NAGAI HIROSHI; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; WILSON LUE LLP; 勝沼 宏仁; 北京市柳沈律师事务所 11105; 吉武 賢次; 岡田 淳平; 李晓舒; 永井 浩之; 肖鹏

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AT463220 E	20100415	LSGT	+	granted / extensions (spc, cpc, pte)	
AT463220 E	20101015	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT463220 E	20250111	PEXP		Calculated Patent Term Expiry	
CA2602911 AA	20070710	LSPB	+	published / reissued	
CA2602911 AA	20070710	LSES	+EEER	EXAMINATION REQUEST	

CA2602911 C	20110322	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2602911 C	20160222	LSLE	-MKLA	LAPSED	Effective date: 20160111
CA2602911 C	20260110	PEXP		Calculated Patent Term Expiry	
CN101090696 A	20071219	LSPB	+	published / reissued	
CN101090696 A	20071219	LSPB	+C06	PUBLICATION	
CN101090696 A	20080213		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101090696 B	20101027	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101090696 B	20101027	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101090696 B	20260110	PEXP		Calculated Patent Term Expiry	
DE602005020412 D1	20110105	LSOP	-R026	OPPOSITION FILED AGAINST PATENT	
DE602005020412 D1	20110324	LSOP	-8363	OPPOSITION AGAINST THE PATENT	
DE602005020412 D1	20170518	LSRV	-R064	EPO'S REVOCATION DECISION NOW FINAL	
DE602005020412 D1	20170518	LSRV	-R103	PATENT REVOKED BY EPO	
EP1679055 A1	20060712	LSPB	+	published / reissued	
EP1679055 A1	20060712		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1679055 A1	20060712		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA HR LV MK YU
EP1679055 A1	20061004	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20060817
EP1679055 A1	20070214	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20070116
EP1679055 A1	20070321	LSFE	+AKX	DESIGNATION FEES PAID	Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1679055 A1	20100407		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1679055 A1	20100407	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP1679055 A1	20100415	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP1679055 A1	20100512	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP1679055 A1	20100520		REF	CORRESPONDS TO:	Date of Ref document: 20100520 Kind code of Ref document: P Ref document number: 602005020412 Country of Ref document: DE
EP1679055 A1	20100728	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20100407 Ref country code: NL Ref legal event code: VDEP
EP1679055 A1	20100831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP1679055 A1	20100927	LSRV	-LTIE	LT: INVALIDATION OF EUROPEAN PATENT OR PATENT EXTENSION	Effective date: 20100407 Ref country code: EP
EP1679055 A1	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED	Lapsed date: 20100718 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO

				VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP1679055 A1	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LT
EP1679055 A1	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NL
EP1679055 A1	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SE
EP1679055 A1	20101130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP1679055 A1	20101130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP1679055 A1	20101130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100807 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP1679055 A1	20101231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100428 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CY
EP1679055 A1	20101231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100708 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP1679055 A1	20101231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL
EP1679055 A1	20110131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP1679055 A1	20110131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP1679055 A1	20110131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	Lapsed date: 20100809 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF

				INFORMATION FROM NATIONAL OFFICE TO EPO]	THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP1679055 A1	20110209	LSOP	-26	OPPOSITION FILED	Effective date: 20110105 Opponent: KIMBERLY-CLARK WORLDWIDE, INC. PartyType: opponent
EP1679055 A1	20110216	LSOP	-26	OPPOSITION FILED	Effective date: 20110105 Opponent: KIMBERLY-CLARK WORLDWIDE, INC. PartyType: opponent
EP1679055 A1	20110216	LSOP	-26	OPPOSITION FILED	Effective date: 20110105 Opponent: SCA HYGIENE PRODUCTS AB PartyType: opponent
EP1679055 A1	20110216	LSOP	-26	OPPOSITION FILED	Effective date: 20110107 Opponent: UNI-CHARM CORPORATION PartyType: opponent
EP1679055 A1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BE
EP1679055 A1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP1679055 A1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP1679055 A1	20110228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP1679055 A1	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP1679055 A1	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110131 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: MC
EP1679055 A1	20110831	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP1679055 A1	20111026	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP1679055 A1	20111031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110131 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP1679055 A1	20111031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110131 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LI
EP1679055 A1	20120131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110111 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP1679055 A1	20120912	LSOP	-R26	OPPOSITION FILED	Effective date: 20110105

				(CORRECTED)	Opponent: SCA HYGIENE PRODUCTS AB PartyType: opponent
EP1679055 A1	20120912	LSOP	-R26	OPPOSITION FILED (CORRECTED)	Effective date: 20110107 Opponent: UNI-CHARM CORPORATION PartyType: opponent
EP1679055 A1	20120912	LSOP	-R26	OPPOSITION FILED (CORRECTED)	Effective date: 20110105 Opponent: KIMBERLY-CLARK WORLDWIDE, INC. PartyType: opponent
EP1679055 A1	20130531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110111 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LU
EP1679055 A1	20130703	LSOP	D26	OPPOSITION FILED (DELETED)	
EP1679055 A1	20130703	LSOP	-R26	OPPOSITION FILED (CORRECTED)	Effective date: 20110105 Opponent: SCA HYGIENE PRODUCTS AB PartyType: opponent
EP1679055 A1	20130703	LSOP	-R26	OPPOSITION FILED (CORRECTED)	Effective date: 20110107 Opponent: UNI-CHARM CORPORATION PartyType: opponent
EP1679055 A1	20130703	LSOP	-R26	OPPOSITION FILED (CORRECTED)	Effective date: 20110105 Opponent: KIMBERLY-CLARK WORLDWIDE, INC. PartyType: opponent
EP1679055 A1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP1679055 A1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100707 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BG
EP1679055 A1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20100407 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: HU
EP1679055 A1	20140530	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20131223 Year of fee payment: 10 Country of Ref document: FR
EP1679055 A1	20151030	LSLE	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20150930 Ref country code: FR Ref legal event code: ST
EP1679055 A1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150202 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: FR
EP1679055 A1	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20160127 Year of fee payment: 12 Country of Ref document: DE
EP1679055 A1	20160608	LSOP	-R26	OPPOSITION FILED (CORRECTED)	Effective date: 20110107 Opponent: UNI-CHARM CORPORATION PartyType: opponent
EP1679055 A1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161228 Year of fee payment: 13 Country of Ref document: GB
EP1679055 A1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170131 Year of fee payment: 13 Country of Ref document: DE
EP1679055 A1	20170518	LSRV	REG	REFERENCE TO A	Ref country code: DE

				NATIONAL CODE	Ref document number: 602005020412 Ref legal event code: R064 Country of Ref document: DE
EP1679055 A1	20170518	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602005020412 Ref legal event code: R103 Country of Ref document: DE
EP1679055 A1	20170906	LSRV	-27W	PATENT REVOKED	Effective date: 20170518
EP1679055 A1	20170906	LSRV	-GBPR	GB: PATENT REVOKED UNDER ART. 102 OF THE EP CONVENTION DESIGNATING THE UK AS CONTRACTING STATE	Effective date: 20170518 Ref country code: EP
EP1679055 B1	20100407	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1679055 B1	20250111	PEXP		Calculated Patent Term Expiry	
JP2008526432 T2	20080724	LSPB	+	published / reissued	
JP2008526432 T2	20091020		A977	REPORT ON RETRIEVAL	Effective date: 20091020 Text: JAPANESE INTERMEDIATE CODE: A971007
JP2008526432 T2	20091028	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20091027 Text: JAPANESE INTERMEDIATE CODE: A131
JP2008526432 T2	20100128		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Text: JAPANESE INTERMEDIATE CODE: A601 Effective date: 20100127
JP2008526432 T2	20100204		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Text: JAPANESE INTERMEDIATE CODE: A602 Effective date: 20100203
JP2008526432 T2	20100302		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Text: JAPANESE INTERMEDIATE CODE: A601 Effective date: 20100301
JP2008526432 T2	20100309		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Text: JAPANESE INTERMEDIATE CODE: A602 Effective date: 20100308
JP2008526432 T2	20101004	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20101001 Text: JAPANESE INTERMEDIATE CODE: A131
JP2008526432 T2	20110105	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20110104 Text: JAPANESE INTERMEDIATE CODE: A523
JP2008526432 T2	20110715	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2008526432 T2	20110725	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20110722 Text: JAPANESE INTERMEDIATE CODE: A01
JP2008526432 T2	20110728	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01
JP2008526432 T2	20110825	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Text: JAPANESE INTERMEDIATE CODE: A61 Effective date: 20110817
JP2008526432 T2	20110826	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP4808734 B2	20110728	LSGT	+A01	特許査定書	
JP4808734 B2	20110728	LSGT	+A01	特許査定書	Effective date: 20110722
JP4808734 B2	20110823	LSFE	R100	特許料納付書	
JP4808734 B2	20110823	LSFE	R100	特許料納付書	Text: 51101668304 Effective date: 20110817
JP4808734 B2	20110826	LSGT	+R150	特許証	
JP4808734 B2	20110826	LSGT	+R150	特許証	Effective date: 20110906
JP4808734 B2	20111102	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4808734 B2	20140731	LSFE	R20	特許料納付書	

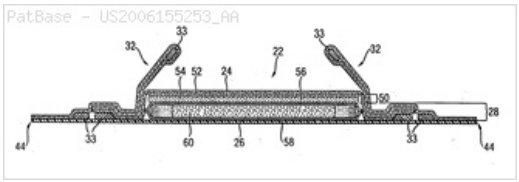
JP4808734 B2	20140731	LSFE	R20	特許料納付書	Effective date: 20140725 Text: 51401535832
JP4808734 B2	20140805	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4808734 B2	20140805	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP4808734 B2	20140805	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20140812
JP4808734 B2	20150730	LSFE	R20	特許料納付書	
JP4808734 B2	20150730	LSFE	R20	特許料納付書	Effective date: 20150727 Text: 51501494728
JP4808734 B2	20150804	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4808734 B2	20150804	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP4808734 B2	20150804	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20150811
JP4808734 B2	20160804	LSFE	R20	特許料納付書	
JP4808734 B2	20160804	LSFE	R20	特許料納付書	Text: 51601592635 Effective date: 20160729
JP4808734 B2	20160809	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4808734 B2	20160809	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP4808734 B2	20160809	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20160816
JP4808734 B2	20170803	LSFE	R20	特許料納付書	
JP4808734 B2	20170803	LSFE	R20	特許料納付書	Effective date: 20170727 Text: 51701581575
JP4808734 B2	20170808	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4808734 B2	20170808	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP4808734 B2	20170808	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20170815
JP4808734 B2	20180802	LSFE	R20	特許料納付書	
JP4808734 B2	20180802	LSFE	R20	特許料納付書	Effective date: 20180727 Text: 51801539647
JP4808734 B2	20180807	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4808734 B2	20180807	LSFE	+R250	年金領収書, 年金領収書(分納)	
JP4808734 B2	20180807	LSFE	+R250	年金領収書, 年金領収書(分納)	Effective date: 20180814
JP4808734 B2	20190826	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP4808734 B2	20260110	PEXP		Calculated Patent Term Expiry	

69) Family number: 33109319 (US2006155253 AA)

Title: SEALED CORE FOR AN **ABSORBENT ARTICLE**

Abstract: An **absorbent article** is provided including a topsheet, a backsheet, and an **absorbent** core **disposed** between the topsheet and the backsheet. The core defines a wearer facing side oriented towards a wearer when the **article** is being worn and an opposed garment facing side. The core includes a storage layer that also defines a wearer facing side and an opposed garment facing side. The core further includes a first core wrap sheet covering the wearer facing side of the storage layer, and a second core wrap sheet covering the garment facing side of the storage layer. The first core wrap sheet is joined to the second core wrap sheet along at least one stripe of juncture. The stripe of juncture extends in at least one of the transversal and longitudinal directions.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/511 A61F13/53 A61F13/534 A61F13/539 A61L15/58
CPC: A61F13/15203 A61F13/534 A61F13/539
US: 1/1 604/378 604/378P 604/385.01 604/393



Family:

Publication number	Publication date	Application number	Application date
CA2593642 AA	20070709	CA20062593642	20060110
CA2593642 C	20130319	CA20062593642	20060110
CN101090693 A	20071219	CN200680001522	20060110
CN101090693 B	20110209	CN200680001522	20060110
DE602005042804 D1	20140417	DE200560042804T	20050111
EP1679054 A1	20060712	EP20050000391	20050111
EP1679054 B1	20140305	EP20050000391	20050111
EP1679054 B2	20170412	EP20050000391	20050111
JP2008526431 T2	20080724	JP20070551305T	20060110
JP4732467 B2	20110727	JP20070551305T	20060110
MX2007007994 A1	20070905	MX20070007994	20060110
US2006155253 AA	20060713	US20060329796	20060111
US2013310783 AA	20131121	US20130919043	20130617
US8512305 BB	20130820	US20060329796	20060111
US9259363 BB	20160216	US20130919043	20130617
WO06076281 A1	20060720	WO2006US00648	20060110

Priority:

EP20050000391 20050111 WO2006US00648 20060110 US20060329796 20060111 US20130919043 20130617

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): DZIEZOK PETER ; GEILICH RALF ; PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; THE PROCTER AND GAMBLE COMPANY ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): DZIEZOK PETER ; GEILICH RALF ; PETER DZIEZOK ; RALF GEILICH

Inventor(s): ペーター ツィーツォク ; ラルフ ガイリッヒ ; 彼得 兹佐克 ; 彼得·兹佐克 ; 拉尔夫 盖利希 ; 拉尔夫·盖利希

Agent(s): CHARLES R; CHRISTIAN M; DIMOCK STRATTON LLP; HEIDE UTE; NAGAI HIROSHI; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; WILSON LUE LLP; 勝沼 宏仁; 北京市柳沈律师事务所 11105; 吉武 賢次; 岡田 淳平; 李晓舒; 永井 浩之; 肖鹏

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CA2593642 AA	20070709	LSPB	+	published / reissued	
CA2593642 AA	20070709	LSES	+EEER	EXAMINATION REQUEST	
CA2593642 C	20130319	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2593642 C	20160222	LSLE	-MKLA	LAPSED	Effective date: 20160111
CA2593642 C	20260110	PEXP		Calculated Patent Term Expiry	
CN101090693 A	20071219	LSPB	+	published / reissued	
CN101090693 A	20071219	LSPB	+C06	PUBLICATION	
CN101090693 A	20080213		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	

CN101090693 B	20110209	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101090693 B	20110209	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101090693 B	20260110	PEXP		Calculated Patent Term Expiry	
DE602005042804 D1	20130812		R079	AMENDMENT OF IPC MAIN CLASS	ClassificationScheme: IPC ClassificationSymbol: A61F0013534000 Text: PREVIOUS MAIN CLASS: A61F0013150000
DE602005042804 D1	20141205	LSOP	-R026	OPPOSITION FILED AGAINST PATENT	
EP1679054 A1	20060712	LSPB	+	published / reissued	
EP1679054 A1	20060712		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1679054 A1	20060712		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA HR LV MK YU
EP1679054 A1	20061004	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20060817
EP1679054 A1	20061025	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20060920
EP1679054 A1	20070321	LSFE	+AKX	DESIGNATION FEES PAID	Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1679054 A1	20130812		REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602005042804 ClassificationSymbol: A61F0013534000 Ref legal event code: R079 ClassificationScheme: IPC Text: PREVIOUS MAIN CLASS: A61F0013150000 Country of Ref document: DE
EP1679054 A1	20130918		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/15 20060101ALI20130812BHEP ClassificationScheme: IPC
EP1679054 A1	20130918		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/539 20060101ALI20130812BHEP
EP1679054 A1	20130918		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/534 20060101AFI20130812BHEP ClassificationScheme: IPC
EP1679054 A1	20131009	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20130912
EP1679054 A1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140305 Country of Ref document: LT
EP1679054 A1	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20160127 Year of fee payment: 12 Country of Ref document: DE
EP1679054 A1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161228 Year of fee payment: 13 Country of Ref document: GB
EP1679054 A1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 13 Payment date: 20170131 Country of Ref document: DE
EP1679054 B1	20140305	LSGT	+	granted / extensions (spc, cpc, pte)	

EP1679054 B1	20140305		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1679054 B1	20140305	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP1679054 B1	20140314	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP1679054 B1	20140315	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: AT Ref legal event code: REF Effective date: 20140315 Kind code of Ref document: T Ref document number: 654345 Country of Ref document: AT
EP1679054 B1	20140409	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: IE
EP1679054 B1	20140417	LSPB	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20140417 Ref country code: DE Ref document number: 602005042804 Ref legal event code: R096 Country of Ref document: DE
EP1679054 B1	20140715	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20140305 Ref country code: AT Kind code of Ref document: T Ref document number: 654345 Ref legal event code: MK05 Country of Ref document: AT
EP1679054 B1	20140716	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20140305 Ref country code: NL Ref legal event code: VDEP
EP1679054 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140305 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LT
EP1679054 B1	20140825	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MG4D Ref country code: LT
EP1679054 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140305 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP1679054 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140305 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP1679054 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140305 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SE
EP1679054 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140305 Country of Ref document: CY
EP1679054 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140305 Country of Ref document: EE
EP1679054 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140305 Country of Ref document: CZ
EP1679054 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140705 Country of Ref document: IS
EP1679054 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140305 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP1679054 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140305 Country of Ref document: BE
EP1679054 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140605 Country of Ref document: BG
EP1679054 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140305 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NL
EP1679054 B1	20141128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140305 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL
EP1679054 B1	20141128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140305 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP1679054 B1	20141128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140305 Country of Ref document: SK
EP1679054 B1	20141205	LSOP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602005042804 Ref legal event code: R026 Country of Ref document: DE
EP1679054 B1	20141231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140707 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP1679054 B1	20150114	LSOP	-26	OPPOSITION FILED	PartyType: opponent Effective date: 20141205 Opponent: SCA HYGIENE PRODUCTS AB
EP1679054 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140305 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP1679054 B1	20150219	LSOP	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R026 Effective date: 20141205 Ref country code: DE Ref document number: 602005042804 Country of Ref document: DE
EP1679054 B1	20150331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	Lapsed date: 20140305 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP1679054 B1	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140305 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP1679054 B1	20150828	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PL Ref country code: CH
EP1679054 B1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150111 Country of Ref document: LU
EP1679054 B1	20150930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140305 Country of Ref document: MC
EP1679054 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20150131 Country of Ref document: CH
EP1679054 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20150131 Country of Ref document: LI
EP1679054 B1	20151030	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: ST Effective date: 20150930
EP1679054 B1	20151104	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP1679054 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20150202 Country of Ref document: FR
EP1679054 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150111 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP1679054 B1	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140606 Country of Ref document: GR
EP1679054 B1	20250111	PEXP		Calculated Patent Term Expiry	
EP1679054 B2	20170412	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1679054 B2	20170412	LSRE	27A	PATENT MAINTAINED IN AMENDED FORM	Effective date: 20170412
EP1679054 B2	20170412		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B2 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1679054 B2	20170412	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602005042804 Ref country code: DE Ref legal event code: R102 Country of Ref document: DE

EP1679054 B2	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20050111 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Country of Ref document: HU
EP1679054 B2	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140305 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP1679054 B2	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 14 Payment date: 20171228 Country of Ref document: DE
EP1679054 B2	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180110 Year of fee payment: 14 Country of Ref document: GB
EP1679054 B2	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190109 Year of fee payment: 15 Country of Ref document: GB
EP1679054 B2	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190102 Year of fee payment: 15 Country of Ref document: DE
EP1679054 B2	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 16 Payment date: 20191231 Country of Ref document: DE
EP1679054 B2	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20200102 Year of fee payment: 16 Country of Ref document: GB
EP1679054 B2	20250111	PEXP		Calculated Patent Term Expiry	
JP2008526431 T2	20080724	LSPB	+	published / reissued	
JP2008526431 T2	20091020		A977	REPORT ON RETRIEVAL	Text: JAPANESE INTERMEDIATE CODE: A971007 Effective date: 20091020
JP2008526431 T2	20091028	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20091027 Text: JAPANESE INTERMEDIATE CODE: A131
JP2008526431 T2	20100128		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20100127 Text: JAPANESE INTERMEDIATE CODE: A601
JP2008526431 T2	20100204		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Text: JAPANESE INTERMEDIATE CODE: A602 Effective date: 20100203
JP2008526431 T2	20100302		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20100301 Text: JAPANESE INTERMEDIATE CODE: A601
JP2008526431 T2	20100309		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Effective date: 20100308 Text: JAPANESE INTERMEDIATE CODE: A602
JP2008526431 T2	20100330	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20100329
JP2008526431 T2	20101004	LSRV	-A02	DECISION OF REFUSAL	Effective date: 20101001 Text: JAPANESE INTERMEDIATE CODE: A02
JP2008526431 T2	20110202	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20110201
JP2008526431 T2	20110210	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER	Effective date: 20110209 Text: JAPANESE INTERMEDIATE CODE: A911

				BEFORE APPEAL (ZENCHI)	
JP2008526431 T2	20110318	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2008526431 T2	20110328	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01 Effective date: 20110325
JP2008526431 T2	20110428	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Text: JAPANESE INTERMEDIATE CODE: A61 Effective date: 20110420
JP2008526431 T2	20110428	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP4732467 B2	20110331	LSGT	+A01	特許査定書	
JP4732467 B2	20110426	LSFE	R100	特許料納付書	
JP4732467 B2	20110428	LSGT	+R150	特許証	
JP4732467 B2	20110727	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4732467 B2	20140403	LSFE	R20	特許料納付書	
JP4732467 B2	20140408	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4732467 B2	20140408	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4732467 B2	20150402	LSFE	R20	特許料納付書	
JP4732467 B2	20150407	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4732467 B2	20150407	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4732467 B2	20160421	LSFE	R20	特許料納付書	
JP4732467 B2	20160426	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4732467 B2	20160426	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4732467 B2	20170330	LSFE	R20	特許料納付書	
JP4732467 B2	20170404	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4732467 B2	20170404	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4732467 B2	20180329	LSFE	R20	特許料納付書	
JP4732467 B2	20180403	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP4732467 B2	20180403	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP4732467 B2	20190428	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP4732467 B2	20260110	PEXP		Calculated Patent Term Expiry	

70) Family number: 31516684 (US2005033252 AA)

Title: **DIAPER** PROVIDING TEMPERATURE INSENSITIVE LIQUID HANDLING

Abstract: The present invention relates to **absorbent** **articles**, such as **diapers** and sanitary napkins, and acquisition members useful for such **articles**. More specifically, the invention relates to an acquisition member comprising a multitude of fibers and a latex binder, the liquid acquisition member having a void volume of at least 7 cubic centimeter per gram in the temperature range from 20 degrees centigrade to 40 degrees centigrade, the binder comprising a dispersion of a polymer substance in an essentially aqueous medium, the polymer substance being capable of forming a film, said film having a tan delta value, as defined herein, at 20 degrees centigrade and at 40 degrees centigrade, wherein the tan delta value at 40 degrees centigrade is not greater than said tan delta value at 20 degrees centigrade

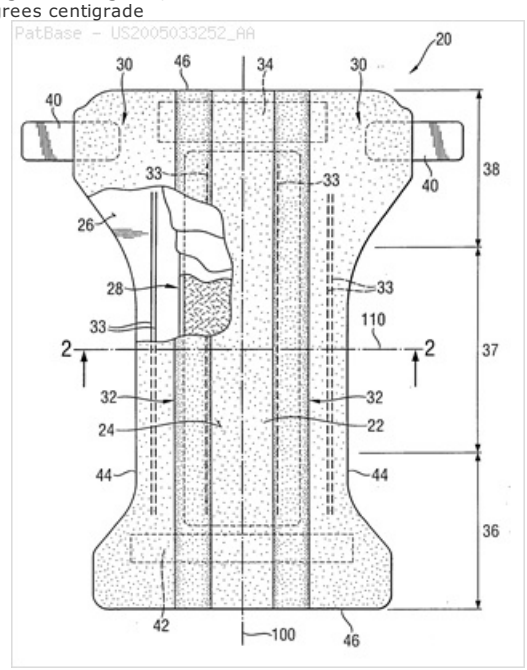
Classifications:

International (IPC 8-9): A61F A61F13/00 A61F13/15 A61F13/20 A61F13/49 A61F13/53 A61F13/537 A61F13/539 A61L15/16 A61L15/18 A61L15/22 A61L15/30 A61L15/60 B32B3/00

International (IPC 1-7): A61F13/15 A61F13/20 A61F13/53 A61F13/537

CPC: A61F13/53747 A61F2013/15406 A61F13/5376 A61F2013/15373 Y10T442/20 Y10T442/2369 Y10T442/2738 Y10T442/608 Y10T442/627 Y10T442/637 A61L15/30 A61F13/537

US: 442/104 442/149 442/334 442/352 442/361 442/59 604/366 604/366P 604/367 604/367P 604/368 604/370 604/370S 604/374 604/374P 604/378 604/378S 604/384 604/385.01 604/385.101 604/385.23 604/385.230S 604/386 604/386S 604/396 604/396S



Family:

Publication number	Publication date	Application number	Application date
AR045231 AA	20051019	AR2004P102847	20040809
AR045232 AA	20051019	AR2004P102848	20040809
AU2004264334 AA	20050224	AU20040264334	20040805
AU2004264334 BB	20090716	AU20040264334	20040805
AU2004264338 AA	20050224	AU20040264338	20040805
AU2004264338 BB	20090730	AU20040264338	20040805
AU2004264908 AA	20050224	AU20040264908	20040802
AU2004264908 AB	20060406	AU20040264908	20040802
AU2004264908 BB	20070802	AU20040264908	20040802
BRPI0413321 A	20061010	BR2004PI13321	20040805
BRPI0413321 B1	20150714	BR2004PI13321	20040805
BRPI0413420 A	20061010	BR2004PI13420	20040805
BRPI0413421 A	20061010	BR2004PI13421	20040802
CA2534608 AA	20060203	CA20042534608	20040802
CA2534608 C	20100105	CA20042534608	20040802
CA2534613 AA	20060203	CA20042534613	20040805
CA2534613 C	20100105	CA20042534613	20040805
CA2534665 AA	20060203	CA20042534665	20040805
CA2534665 C	20100105	CA20042534665	20040805
CL2004002007 A1	20050729	CL20040002007	20040806
CL2004002008 A1	20050729	CL20040002008	20040806
CN1832715 A	20060913	CN200480022561	20040805
CN1832715 B	20101222	CN200480022561	20040805
CN1832716 A	20060913	CN200480022646	20040802
CN1832716 B	20110126	CN200480022646	20040802
CN1832717 A	20060913	CN200480022649	20040805
CN1832717 B	20101013	CN200480022649	20040805
DE60343210 D1	20130328	DE20036043210	20030807
DE60343419 D1	20130502	DE20036043419	20031015
EP1504739 A1	20050209	EP20030018027	20030807
EP1504739 B1	20130130	EP20030018027	20030807
EP1504740 A1	20050209	EP20030023344	20031015
EP1504740 B1	20130306	EP20030023344	20031015
EP1504741 A1	20050209	EP20030023345	20031015
HK1094939 A1	20070420	HK20070102197	20070227
HK1094939 A3	20070420	HK20070102197	20070227
HK1097434 A1	20070629	HK20070102641	20070309
HK1097434 A3	20070629	HK20070102641	20070309
HK1097434 B	20110805	HK20070102641	20070309
HK1098942 A1	20070803	HK20070102194	20070227

HK1098942 A3	20070803	HK20070102194	20070227
IN00645DN2006 A	20070831	IN2006DN00645	20060207
IN00646DN2006 A	20070831	IN2006DN00646	20060207
IN00647DN2006 A	20070831	IN2006DN00647	20060207
JP2007500047 T2	20070111	JP20060522142T	20040805
JP2007500048 T2	20070111	JP20060522143T	20040805
JP2007516732 T2	20070628	JP20060522657T	20040802
JP4795235 B2	20111019	JP20060522142T	20040805
KR100761573 B1	20071004	KR20067002503	20040805
KR100761574 B1	20071004	KR20067002518	20040802
KR20060054428 A	20060522	KR20067002559	20040805
KR20060060674 A	20060605	KR20067002503	20040805
KR20060087504 A	20060802	KR20067002518	20040802
MXPA06001289 A1	20060411	MX2006PA01289	20040805
MXPA06001294 A1	20060411	MX2006PA01294	20040805
MXPA06001297 A1	20060411	MX2006PA01297	20040802
US2005033252 AA	20050210	US20040912991	20040806
US2005033253 AA	20050210	US20040913243	20040806
US2005043694 AA	20050224	US20040913003	20040806
US2007038195 AA	20070215	US20060582187	20061017
US2010298795 AA	20101125	US20100850801	20100805
US7138561 BB	20061121	US20040913243	20040806
US7767598 BB	20100803	US20040913003	20040806
US7786341 BB	20100831	US20040912991	20040806
US8344202 BB	20130101	US20100850801	20100805
WO05016206 A1	20050224	WO2004US24895	20040802
WO05016207 A1	20050224	WO2004US25275	20040805
WO05016208 A1	20050224	WO2004US25279	20040805
ZA200601049 A	20070425	ZA20060001049	20060206
ZA200601050 A	20070530	ZA20060001050	20060206
ZA200601051 A	20070725	ZA20060001051	20060206

Priority:

EP20030018027 20030807 EP20030023344 20030807 EP20030023345 20031015
EP20030023344 20031015 WO2004US24895 20040802 WO2004US25275 20040805
WO2004US25279 20040805 US20040913243 20040806 US20040912991 20040806
WO2004US25279 20060206 WO2004US24895 20060206 US20060582187 20061017
US20100850801 20100805

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): FUCHS CHRISTOFER ; PROCTER AND GAMBLE ; SCHNABEL MARTIN ; SCHNEIDER MANUELA ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTOR AND GAMBLE COMPANY ; VAN GANSEWINKEL OLAF

Assignee(s): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; PROCTOR AND GAMBLE CO ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司 ; 寶潔公司 ; 더 프록터 앤드 갬블 캄파니

Inventor(s): (std): CHRISTOFER FUCHS ; CHRISTOPHER FUCHS ; FUCHS CHRISTOFER ; FUCHS CHRISTOPFER ; GANSEWINKEL OLAF VAN ; MANUELA SCHENIDER ; MANUELA SCHNEIDER ; MARTIN SCHNABEL ; MARTIN SCHNEIDER MANUELA FUCHS ; OLAF GANSEWINKEL VAN ; OLAF SCHNEIDER MANUELA FUCHS C ; OLAF VAN GANSEWINKEL ; SCHNABEL MARTIN ; SCHNEIDER MANUELA ; VAN GANSEWINKEL OLAF

Inventor(s): CHRISTOFER ; FUCHS ; FUCHS CHRISTOPHER ; MANUELA ; MARTIN ; OLAF ; SCHENIDER MANUELA ; SCHNABEL ; SCHNEIDER ; SCHNEIDER MANUELA FUCHS CHRISTOFER SCHNABEL MARTIN ; SCHNEIDER MANUELA FUCHS CHRISTOFER VAN GANSEWINKEL OLAF ; VAN GANSEWINKEL ; オーラフ ファン ガンゼビンケル ; クリストファー フックス ; マニュエラ シュナイダー ; マルティン シュナベル ; 克里斯托弗 富克斯 ; 克里斯托弗·富克斯 ; 奥拉夫 范甘斯温克尔 ; 奥拉夫·范甘斯温克尔 ; 奥拉夫 范甘斯温克爾 ; 曼纽拉 施奈德 ; 曼纽拉 施奈德 ; 曼纽拉·施奈德 ; 馬丁 施納貝爾 ; 马丁 施纳贝尔 ; 马丁·施纳贝尔 ; 반 간스윈켈 오라프 ; 슈나벨 마틴 ; 슈나이더 마누엘라 ; 판 간제빈켈 올라프 ; 푸흐스 크리스토퍼 ; 푹스 크리스토퍼

Agent(s): Borbach Markus; DIMOCK STRATTON LLP; ERIC T; GEORGE H; GRIFFITH HACK; JAY A; JOHN G; KATHLEEN Y; LLOVET; LLOYD WISE AND CO; MARKS AND CLERK; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP; THIBAULT; WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WILSON LUE LLP; 中村 行孝; 北京市柳沈律师事务所 11105; 吉武 賢次; 曲莹; 横田 修孝; 紺野 昭男; 马高平; 김창세

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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR045231 AA	20051019	LSPB	+	published / reissued	
AR045231 AA	20110831	LSWD	-FB	SUSPENSION OF GRANTING PROCEDURE	
AR045232 AA	20051019	LSPB	+	published / reissued	
AR045232 AA	20110930	LSWD	-FB	SUSPENSION OF GRANTING PROCEDURE	
AU2004264334 AA	20050224	LSPB	+	published / reissued	

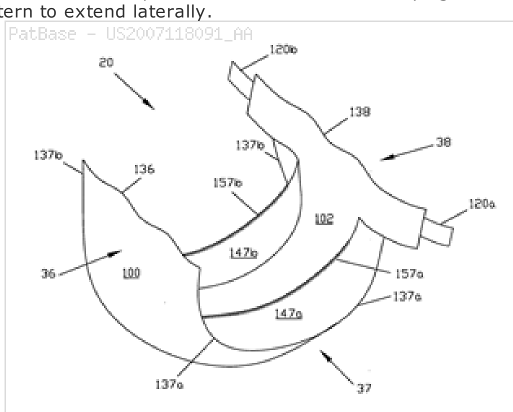
AU2004264334 BB	20090716	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2004264334 BB	20091112	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2004264334 BB	20120301	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2004264334 BB	20240805	PEXP		Calculated Patent Term Expiry	
AU2004264338 AA	20050224	LSPB	+	published / reissued	
AU2004264338 BB	20090730	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2004264338 BB	20091126	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2004264338 BB	20120301	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2004264338 BB	20240805	PEXP		Calculated Patent Term Expiry	
AU2004264908 AA	20050224	LSPB	+	published / reissued	
AU2004264908 AA	20060406	LSRE	DA3	AMENDMENTS MADE SECTION 104	Text: THE NATURE OF THE AMENDMENT IS AS SHOWN IN THE STATEMENT(S) FILED 10 FEB 2006
AU2004264908 BB	20070802	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2004264908 BB	20071206	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2004264908 BB	20120301	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2004264908 BB	20240802	PEXP		Calculated Patent Term Expiry	
BRPI0413321 A	20061010	LSPB	+	published / reissued	
BRPI0413321 A	20141029		B06A	NOTIFICATION TO APPLICANT TO REPLY TO THE REPORT FOR NON-PATENTABILITY OR INADEQUACY OF THE APPLICATION ACCORDING ART. 36 INDUSTRIAL PATENT LAW	
BRPI0413321 A	20150331	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0413321 A	20150714	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	Text: PRAZO DE VALIDADE: 10 (DEZ) ANOS CONTADOS A PARTIR DE 14/07/2015, OBSERVADAS AS CONDICOES LEGAIS.
BRPI0413321 A	20160920	LSLE	-B21F	LAPSE ACC. ART. 78, ITEM IV - ON NON-PAYMENT OF THE ANNUAL FEES IN TIME	Text: REFERENTE A 12A ANUIDADE.
BRPI0413321 A	20170110	LSLE	-B24J	LAPSE BECAUSE OF NON-PAYMENT OF ANNUAL FEES (DEFINITIVELY: ART 78 IV LPI, RESOLUTION 113/2013 ART. 12)	Text: EM VIRTUDE DA EXTINCAO PUBLICADA NA RPI 2385 DE 20-09-2016 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDA A EXTINCAO DA PATENTE E SEUS CERTIFICADOS, CONFORME O DISPOSTO NO ARTIGO 12, DA

71) Family number: 34492058 (US2007118091 AA) © PatBase

Title: DISPOSABLE ABSORBENT ARTICLE HAVING DEPLOYABLE CHASSIS EARS

Abstract: A simple **disposable absorbent article** including a chassis and an **absorbent** assembly. The chassis includes laterally opposing side flaps formed by laterally inwardly folded portions of the chassis and deployable chassis ears formed by other laterally inwardly folded portions of the chassis. Each chassis ear is held laterally inwardly folded until being deployed by being released and unfolded laterally outward so as to project laterally outward beyond the adjacent side flap. Fastening elements may be **disposed** on at least two of the chassis ears, the fastening elements being adapted for fastening the front waist region to the back waist region to encircle a waist and legs of a wearer. The chassis may be extensible. The **absorbent** assembly may be attached in a cruciform pattern to the chassis to allow portions of the chassis underlying the **absorbent** assembly and lying outside the cruciform attachment pattern to extend laterally.

Classifications:
International (IPC 8-9): A61F A61F13/00 A61F13/15 A61F13/20 A61F13/47 A61F13/49 A61F13/494 A61F13/514 A61F13/532 A61F13/56 A61F13/58
International (IPC 1-7): A61F13/00 A61F13/56
CPC: A61F13/49014 A61F13/532 A61F13/5633
US: 604/365 604/365P 604/367 604/367S 604/380 604/385.23 604/385.230S 604/385.28 604/385.280S 604/386 604/386S 604/392 604/392P



Family:

Publication number	Publication date	Application number	Application date
AR058226 AA	20080123	AR2006P105134	20061122
AU2006318035 AA	20070531	AU20060318035	20061121
BRPI0618829 A2	20110913	BR2006PI18829	20061121
CA2630331 AA	20080516	CA20062630331	20061121
CL2006003246 A1	20070914	CL20060003246	20061123
CN101031269 A	20070905	CN200680000955	20061121
EP1951179 A2	20080806	EP20060831895	20061121
IN03706DN2007 A	20070824	IN2007DN03706	20070517
JP2009515637 T2	20090416	JP20080540776T	20061121
RU2008115914 A	20091227	RU20080115914	20061121
RU2383324 C2	20100310	RU20080115914	20061121
TH85348 A	20070628	TH20061005817	20061122
US2007118091 AA	20070524	US20050286934	20051123
US2010241096 AA	20100923	US20100794015	20100604
US7737324 BB	20100615	US20050286934	20051123
WO07060612 A2	20070531	WO2006IB54364	20061121
WO07060612 A3	20070907	WO2006IB54364	20061121
ZA200803294 A	20090128	ZA20080003294	20080414

Priority:

US20050286934 20051123 WO2006IB54364 20061121 US20100794015 20100604

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): HAYDEN MICHAEL PATRICK ; LAVON GARY DEAN ; PROCTER AND GAMBLE

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; PROCTER GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ (US) ; □□□□ □□□□□□□□□ □□□□ □□□□□□ □□□□□□ ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; HAYDEN MICHAEL P ; HAYDEN MICHAEL PATRICK ; KHAJDEN MAJKL PATRIK ; LAVON GARI DIN ; LAVON GARY D ; LAVON GARY DEAN ; PATRICK HAYDEN MICHAEL ; PATRICK LAVON GARY DEAN HAYDEN

Inventor(s): GARY DEAN LAVON ; HAYDEN MICHAEL ; LAVON GARY ; LAVON GARY DEAN HAYDEN MICHAEL PATRICK ; MICHAEL PATRICK HAYDEN ; ЛАВОН ГАРИ ДИН ; ЛАВОН Гари Дин (US) ; ХАЙДЕН МАЙКЛ ПАТРИК ; ХАЙДЕН Майкл Патрик (US) ; □□□□□□ □□ □□□□□ ; □□□□□ □□□□□ □□□□□□ ; ゲーリー ディーン ラボン ; マイケル パトリック ヘイデン ; 加里·D·拉万 ; 迈克尔·P·海登

Agent(s): DIMOCK STRATTON LLP; GRIFFITH HACK; KREMER VERONIQUE MARIE JOSEPHINE; LLOVET; NAGAI HIROSHI; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; RICHAD L; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP; WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WILSON LUE LLP; □□□□□□□□□ □□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□ □□□□□□□□ □□□□□□□□□ □□□□□□□□ □□□□□□□□□□□□□□□□□;□□□□□□□□□ □□□□□□□,□□□□□□□□□ □□□□□□□□, □□□□□□□□□ □□□□□□□□, □□□□□□□□□ □□□□□□□; 勝沼 宏仁; 吉武 賢次; 岡田 淳平; 村田 卓久; 永井 浩之

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 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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR058226 AA	20080123	LSPB	+	published / reissued	
AR058226 AA	20141203	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
AU2006318035 AA	20070531	LSPB	+	published / reissued	
AU2006318035 AA	20110324	LSLE	-MK5	APPLICATION LAPSED SECTION 142(2)(E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED	
BRPI0618829 A2	20130611	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 6A ANUIDADE
BRPI0618829 A2	20140218	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2214 DE 11/06/2013.
CA2630331 AA	20080516	LSPB	+	published / reissued	
CA2630331 AA	20080516	LSES	+EEER	EXAMINATION REQUEST	
CA2630331 AA	20120727	LSLE	-FZDE	DEAD	
CL2006003246 A1	20070914	LSPB	+	published / reissued	
CN101031269 A	20070905	LSPB	+	published / reissued	
CN101031269 A	20070905	LSPB	+C06	PUBLICATION	
CN101031269 A	20071031		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101031269 A	20120926	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
EP1951179 A2	20080806	LSPB	+	published / reissued	
EP1951179 A2	20080806	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20080326
EP1951179 A2	20080806		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1951179 A2	20081029	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20080925
EP1951179 A2	20120801		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP1951179 A2	20121205	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20120601
IN03706DN2007 A	20070824	LSPB	+	published / reissued	
JP2009515637 T2	20090416	LSPB	+	published / reissued	
JP2009515637 T2	20100604	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20100603
JP2009515637 T2	20100604		A871	EXPLANATION OF CIRCUMSTANCES CONCERNING ACCELERATED EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A871 Effective date: 20100603
JP2009515637 T2	20100707		A975	REPORT ON ACCELERATED EXAMINATION	Effective date: 20100705 Text: JAPANESE INTERMEDIATE CODE: A971005
JP2009515637 T2	20100712	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20100709
JP2009515637 T2	20101009		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Text: JAPANESE INTERMEDIATE CODE: A601 Effective date: 20101008
JP2009515637 T2	20101019		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Effective date: 20101018 Text: JAPANESE INTERMEDIATE CODE: A602

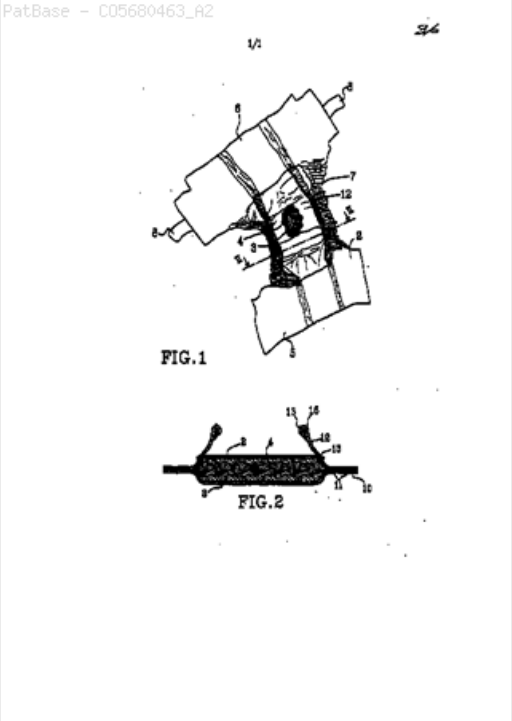
JP2009515637 T2	20110307	LSRV	-A02	DECISION OF REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A02 Effective date: 20110304
RU2008115914 A	20091227	LSPB	+	published / reissued	

72) Family number: 44995293 (CO5680463 A2)

Title: **Absorbent** **article** containing a composition CUI GIVEN FOR SKIN (Machine translation)

Abstract: Source: CO5680463 A2 **Machine translation:** 1. An **article** such as a **diaper**, underpants, adult incontinence protector, sanitary napkin and the like comprising a permeable upper layer alliquido a liquid impermeable base layer and an **absorbent** body enclosed between them, the **article** is a composition for skin care applied in at least a portion thereof so that it is transferable to the wearer's skin, the composition is solid at 21 degrees centigrade and comprises at least: a) 5 to 70 percent in weight of a component melting in the range of 25 to 37 degrees centigrade selected from the group of synthetic waxes, paraffins, fatty acid esters, polyhydroxy fatty acid esters, fatty alcohols, alkoxylated fatty acid esters, alkoxylated alcohols acids and mixtures of these compounds and b) 5 to 70 percent by weight of a component whose melting point is at least 5 degrees centigrade higher than the melting point of component a) and component b) is selected from the group paraffins, esters of polyhydroxy fatty acid, fatty alcohols of C14-C22 fatty acids, C12-C22, alkoxylated derivatives of fatty alcohols and fatty esters, and mixtures of these components, where the compositions additionally comprise as component, characterized wherein the composition further comprises component horn c) of 5-25 percent by weight of a crystallization accelerator chosen from the group of partial glycerides, ethylene glycol diesters and polymeric waxes, with the proviso that the crystallization accelerator has a point melting in the range of 45 to 70 degrees centigrade, and that the compositions comprise less than 5 percent by weight of agua.2.- The **absorbent** **article** according to claim 1, wherein component b) has a melting point fusion in the range of 40 to 60 degrees centigrade 3. The **absorbent** **article** according to claim 1 or 2, characterized in that component a) is chosen from mixtures of glycerides of fatty acids having 8 to 18 carbon atoms carbon, preferably technical-grade mixtures of partial glycerides and / or mixtures with glycerides.

Classifications:



Family:

Publication number	Publication date	Application number	Application date
CO5680463 A2	20060929	CO20050000592	20050105

Priority:

CO20050000592 20050105

Probable Assignee: SCA HYGIENE PROD AB

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

Assignee(s): SCA HYGIENE PRODUCTS AB

Inventor(s): (std)**:** MATHIS RAYMOND ; RUNEMAN BO ; WILD CHRISTINE

Legal status (INPADOC)

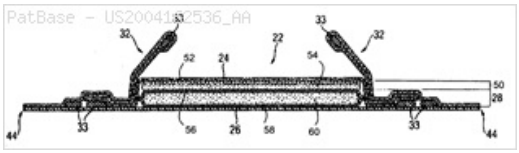
View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CO5680463 A2	20060929	LSPB	+	published / reissued	
CO5680463 A2	20090911	LSRV	-FC	APPLICATION REFUSED	

73) Family number: 30782656 (US2004162536 AA)

Title: COMFORTABLE **DIAPER**

Abstract: An **absorbent** **article**, preferably a **disposable** **absorbent** **article** such as a **diaper**, is disclosed that provides an improved immobilization of **absorbent** polymer material when the **article** is fully or partially urine loaded. This **absorbent** core is useful for providing an **absorbent** **article** of increased wearing comfort. Specifically disclosed is an **absorbent** core useful for an **absorbent** **article** comprising a substrate layer and **absorbent** material, the **absorbent** material comprising an **absorbent** polymer material, the **absorbent** material optionally comprising **absorbent** fibrous material, the **absorbent** fibrous material not representing more than 20 percent of the weight of **absorbent** polymer material, wherein the **absorbent** material is immobilized when wet such that the **absorbent** core achieves a wet immobilization of more than 50 percent, preferably of more than 60 percent, 70 percent, 80 percent or 90 percent according to the Wet Immobilization Test described herein.



Classifications:
International (IPC 8-9): A01K23/00 A47L13/17 A61B19/00 A61F A61F13/00 A61F13/15 A61F13/20 A61F13/45 A61F13/47 A61F13/49 A61F13/494 A61F13/51 A61F13/511 A61F13/53 A61F13/532 A61F13/534 A61F13/535 A61F13/539 A61F5/44 A61L15/00 A61L15/22 A61L15/24 A61L15/58 B32B33/00 B32B5/22 C08L77/00
International (IPC 1-7): A61F13/00 A61F13/15 A61F13/20 A61F13/51 A61F13/511 A61F13/53 A61F13/535
CPC: A61F13/15203 A61F13/5323 A61F13/534 A61F13/535 A61F13/539 A61F2013/530481
US: 1/1 604/358 604/364 604/365 604/365P 604/366 604/366P 604/367 604/367P 604/368 604/368S 604/370 604/370S 604/372 604/372P 604/372S 604/375 604/378 604/378S 604/385.01 604/385.010S 604/386

Family:

Publication number	Publication date	Application number	Application date
AR043166 AA	20050720	AR2004P100439	20040212
AT409447 E	20081015	AT20030002677T	20030212
AU2004212005 AA	20040826	AU20040212005	20040212
AU2004212005 BB	20070802	AU20040212005	20040212
BRPI0407432 A	20060124	BR2004PI07432	20040212
BRPI0407432 B1	20160329	BR2004PI07432	20040212
CA2515143 AA	20050804	CA20042515143	20040212
CA2515143 C	20110125	CA20042515143	20040212
CA2724797 AA	20040826	CA20042724797	20040212
CA2724797 C	20120710	CA20042724797	20040212
CL2004000245 A1	20041231	CL20040000245	20040211
CL52932 B	20160822	CL20040000245	20040211
CN100544689 C	20090930	CN200480002691	20040212
CN101036612 A	20070919	CN200710088929	20040212
CN101036612 B	20100526	CN200710088929	20040212
CN101036613 A	20070919	CN200710088930	20040212
CN101036613 B	20100526	CN200710088930	20040212
CN101036614 A	20070919	CN200710088931	20040212
CN101036614 B	20120704	CN200710088931	20040212
CN1741781 A	20060301	CN200480002691	20040212
DE60323810 D1	20081113	DE20036023810T	20030212
DE60341985 D1	20121025	DE20036041985	20030212
DE60344487 D1	20130905	DE20036044487	20030212
EG23766 A	20070808	EG20050000430	20050808
EP1447066 A1	20040818	EP20030002677	20030212
EP1447066 B1	20081001	EP20030002677	20030212
EP1808152 A2	20070718	EP20070106412	20030212
EP1808152 A3	20080528	EP20070106412	20030212
EP1808152 B1	20120829	EP20070106412	20030212
EP1813236 A2	20070801	EP20070106410	20030212
EP1813236 A3	20091216	EP20070106410	20030212
EP1813236 B1	20130710	EP20070106410	20030212
EP1813237 A2	20070801	EP20070106411	20030312
EP1813237 A3	20081210	EP20070106411	20030312
EP1982678 A1	20081022	EP20080104852	20030212
EP1982678 B1	20190327	EP20080104852	20030212
ES2314137 T3	20090316	ES20030002677T	20030212
ES2394008 T3	20130104	ES20070106412T	20030212
ES2428693 T3	20131108	ES20070106410T	20030212
HK1088524 A1	20061110	HK20060109087	20060815
HK1088524 A3	20061110	HK20060109087	20060815
HK1104449 A1	20080118	HK20070112104	20071107
HK1104449 A3	20080118	HK20070112104	20071107
HK1104451 A1	20080118	HK20070112107	20071107
HK1104451 A3	20080118	HK20070112107	20071107
IN02372DN2007 A	20070803	IN2007DN02372	20070328
IN02409DN2007 A	20070803	IN2007DN02409	20070329
IN02446DN2007 A	20070504	IN2007DN02446	20070330
IN03020DN2005 A	20070302	IN2005DN03020	20050706
IN221055 B	20080801	IN2005DN03020	20050706
IN264061 B	20141205	IN2007DN02372	20070328
IN264723 B	20150123	IN2007DN02409	20070329
IN288651 B	20171027	IN2007DN02446	20070330
JP2006513823 T2	20060427	JP20050518494T	20040212
JP2007222646 A2	20070906	JP20070073136	20070320

JP2007244882 A2	20070927	JP20070073095	20070320	
JP2007244883 A2	20070927	JP20070073158	20070320	
JP4879787 B2	20120222	JP20070073158	20070320	
JP5014849 B2	20120829	JP20070073095	20070320	
JP5031417 B2	20120919	JP20070073136	20070320	
KR100756097 B1	20070905	KR20057014733	20040212	
KR20050100391 A	20051018	KR20057014733	20040212	
MXPA05007929 A1	20060222	MX2005PA07929	20040212	
PL221315 B1	20160331	PL20040378420	20040212	
PL378420 A1	20060403	PL20040378420	20040212	
TH65915 A	20041227	TH20041000415	20040210	
US10660800 BB	20200526	US20140566886	20141211	
US2004162536 AA	20040819	US20040776851	20040211	
US2007156108 AA	20070705	US20070717234	20070313	
US2007167928 AA	20070719	US20070717235	20070313	
US2007179464 AA	20070802	US20070717556	20070313	
US2010228211 AA	20100909	US20100781993	20100518	
US2011295222 AA	20111201	US20110198235	20110804	
US2015133882 AA	20150514	US20140566886	20141211	
US2019110936 AA	20190418	US20180221710	20181217	
US2020197229 AA	20200625	US20200807301	20200303	
US7750203 BB	20100706	US20040776851	20040211	
US7851667 BB	20101214	US20070717234	20070313	
US8319005 BB	20121127	US20070717556	20070313	
US8766031 BB	20140701	US20070717235	20070313	
US8791318 BB	20140729	US20100781993	20100518	
US9763835 BB	20170919	US20110198235	20110804	
WO04071363 A1	20040826	WO2004US04348	20040212	
ZA200505365 A	20060426	ZA20050005365	20050701	

Priority:

EP20030002677	20030212	EP20070106412	20030212	EP20070106410	20030212
EP20080104852	20030212	EP20070106411	20030312	US20040776851	20040211
WO2004US04348	20040212	CA20042515143	20040212	CA20042724797	20040212
JP20050518494	20040212	JP20050518494T	20040212	WO2004US04348	20050810
US20070717235	20070313	US20070717234	20070313	US20070717556	20070313
US20100781993	20100518	CA20112515143	20110110	US20110198235	20110804
US20140566886	20141211	US20180221710	20181217	US20200807301	20200303

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): BECKER UWE J ; BECKER UWE JURGEN ; BUSAM LUDWIG ; EHRNSPERGER BRUNO J ; EHRNSPERGER BRUNO JOHANNES ; LINDNER TORSTEN ; LINK SIEGFRIED ; MAIER VOLKER ; PROCTER AND GAMBLE ; PROCTER AND GAMBLE CO ; SIDDIQUEE SANAUL KABIR ; STIEHL GABRIELE ; TOMBUELT THOMAS

Assignee(s): PROCTER AND GAMBLE CO CINCINNATI ; SIDDIQUE SANAL ; SIDDIQUEE SANAL ; SIDIQUE SANAL ; THE PROCTER AND GAMBLE COMPANY ; TOMBULT MEYER THOMAS ; □□□□ □□□□□□□□□ □□□□□ □□□□□□□ □□□□□□ ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司 ; 더 프록터 앤드 갬블 캄파니

Inventor(s): (std): BECKER UWE J ; BECKER UWE JUERGEN ; BECKER UWE JURGEN ; BECKER UWE JŰRGEN ; BUSAM LUDWIG ; EHRMSPERGER BRUNO JOHANNES ; EHRNSPERGER BRUNO J ; EHRNSPERGER BRUNO JOHANNES ; GABRIELE STIEHL ; JOHANNES EHRNSPERGER BRUNO ; JUERGEN BECKER UWE ; KABIR SIDDIQUEE SANAUL ; LIDNER TORSTEN ; LINDNER TORSTEN ; LINK SIEGFRIED ; LUDWIG BUSAM ; MAIER VOLKER ; SIDDIQUE SANAL ; SIDDIQUEE SANAL ; SIDDIQUEE SANAUL ; SIDDIQUEE SANAUL KABIR ; SIDIQUE SANAL ; SIEGFRIED LINK ; STIEHL GABRIEL ; STIEHL GABRIELE ; THOMAS TOMBUELT ; TOMBUELT MEYER THOMAS ; TOMBUELT THOMAS ; TOMBULT MEYER THOMAS ; TORSTEN LINDNER ; UWE JURGEN BECKER ; VOLKER MAIER

Inventor(s): BECKER U ; BECKER UWE ; BRUNO JOHANNES EHRMSPERGER ; BRUNO JOHANNES EHRNSPERGER ; BUSAM L ; BUSAM LUDWIG 65510 ; BUSAM LUDWIG BECKER UWE JUERGEN EHRNSPERGER BRUNOJOHANNES LINDNER TORSTEN ; BUSAM LUDWIG BECKER UWE JUERGEN EHRNSPERGER BRUNOJOHANNES LINDNER TORSTEN LINK SIEGFRIED MAIER VOLKER SIDDIQUEE SANAUL KABIR STIEHL GABRIELE TOMBUELT THOMAS ; EHRNSPERGER B ; EHRNSPERGER BRUNO ; GABRIEL STIEHL ; LINDER T ; LINDER TORSTEN ; LINK S ; MAIER V ; SANAL SIDDIQUE ; SANAUL SIDDIQUEE ; SIDDIQUEE S ; STIEHL G ; STIEHL GABRIELE TOMBULT MEYER THOMAS EHRNSPERGER BRUNO JOHANNES LINDNER TORSTEN LINK SIEGFRIED MAIER VOLKER BECKER UWE JUERGEN BUSAM LUDWIG SIDDIQUEE SANAUL ; THOMAS TOMBUELT MEYER ; THOMAS TOMBULT MEYER ; TOMBULT MEYER T ; TORSTEN LIDNER ; □□□□□□□□□□□ □□□□□□□□ ; □□□□□□□□ □□□□□□□□ □□□□□□□□□□□□□□□ ; □□□□□□□□ □□□ ; □□□□□□□ □□□□□□□□ □□□□□□□□ ; ウーベ ユルゲン ベッカー ; ガブリエレ シュティール ; サナル シディク ; ジークフリート リンク ; トルシュテン リントナー ; トーマス トムブルト マイアー ; フォルカー マイエル ; ブルーノ ヨハネス エールンシュペルガー ; ルードビヒ ブザム ; 加布里埃尔 斯蒂尔 ; 加布里埃尔·斯蒂尔 ; 加布里埃爾 斯蒂爾 ; 尤維 J 貝克爾 ; 尤维 J 贝克尔 ; 尤维·J·贝克尔 ; 布魯諾 J 厄恩斯珀格 ; 布鲁诺 J 厄恩斯珀格 ; 布鲁诺·J·厄恩斯珀格 ; 托斯滕 林德納 ; 托斯滕 林德纳 ; 托斯滕·林德纳 ; 托马斯 汤布尔特迈耶 ; 托马斯·汤布尔特-迈耶 ; 沃尔克 梅尔 ; 沃尔克·梅尔 ; 沃爾克 梅 ; 萨娜尔 西迪奥 ; 萨娜尔·西迪奥 ; 薩娜爾 西迪 ; 西格弗里德 林 ; 西格弗里德 林克 ; 西格弗里德·林克 ; 路德維格 巴薩姆 ; 路德维格 巴萨姆 ; 路德维格·巴萨姆 ; 린드너 토르스텐 ; 린크 시그프리드 ; 마이어 폴커 ; 베커 우베 유르겐 ; 부삼 루드비히 ; 스틸 가브리엘레 ; 시디크 사날 ; 에른스페르거 브루노 요하네스 ; 톰불트 마이어 토마스

Agent(s): BOON GRAHAM ANTHONY; DE ELZABURU ALBERTO; DIMOCK STRATTON LLP; ERIC T; ESTUDIO CAREY LTDA; GRIFFITH HACK; HARNECKER; JOHN G; JOHN P; KREMER VERONIQUE MARIE JOSEPHINE; KREMER VERONIQUE MARIE JOSEPHINE ET AL; LAURA L; LLOYD WISE AND CO; NAGAI HIROSHI; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; SHIPP WEDNESDAY G; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP; WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WEDNESDAY G; WENPING AND CO; WILSON LUE LLP; □□□□□□□□□□□□ □□□□□□□□; □□□□□□□□□□ □□□□□□□□ □□□□□□□□□□ □□□□□□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□□□□ □□□□□□□□; □□□□□□□□□□□ □□□□□□□□, □.□.□□□□□□□□ □□□□□□□□□□, □□□□□□□□ □□□□□□□□, □□□□□□□□□ □□□□□□□□; 勝沼 宏仁; 北京市柳沈律师事务所; 北京市柳沈律师事务所 11105; 吉武 賢次; 名塚 聡; 岡田 淳平; 曲莹; 李晓舒; 永井 浩之; 马高平; 魏晓刚; 김창세

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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

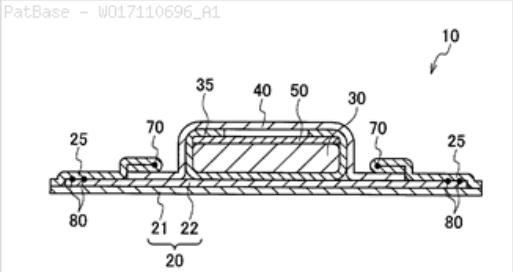
Patent	Date recorded	Event group	Code	Event	Details
AR043166 AA	20050720	LSPB	+	published / reissued	
AR043166 AA	20090520	LSGT	+FG	GRANT, REGISTRATION	
AR043166 AA	20161116	LSGT	+FG	GRANT, REGISTRATION	
AT409447 E	20081015	LSGT	+	granted / extensions (spc, cpc, pte)	
AT409447 E	20090415	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT409447 E	20230212	PEXP		Calculated Patent Term Expiry	
AU2004212005 AA	20040826	LSPB	+	published / reissued	
AU2004212005 BB	20070802	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2004212005 BB	20071206	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2004212005 BB	20120906	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2004212005 BB	20240212	PEXP		Calculated Patent Term Expiry	
BRPI0407432 A	20060124	LSPB	+	published / reissued	
BRPI0407432 A	20140513		B06A	NOTIFICATION TO APPLICANT TO REPLY TO THE REPORT FOR NON-PATENTABILITY OR INADEQUACY OF THE APPLICATION ACCORDING ART. 36 INDUSTRIAL PATENT LAW	
BRPI0407432 A	20150422	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0407432 B1	20160329	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	Text: PRAZO DE VALIDADE: 10 (DEZ) ANOS CONTADOS A PARTIR DE 29/03/2016, OBSERVADAS AS CONDICOES LEGAIS.
BRPI0407432 B1	20260329	PEXP		Calculated Patent Term Expiry	
CA2515143 AA	20050804	LSPB	+	published / reissued	
CA2515143 AA	20050804	LSES	+EEER	EXAMINATION REQUEST	
CA2515143 C	20110125	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2515143 C	20240212	PEXP		Calculated Patent Term Expiry	
CA2724797 AA	20040826	LSPB	+	published / reissued	
CA2724797 AA	20101206	LSES	+EEER	EXAMINATION REQUEST	
CA2724797 C	20120710	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2724797 C	20240212	PEXP		Calculated Patent Term Expiry	

74) Family number: 66215788 (WO17110696 A1)

Title: **ABSORBENT ARTICLE**

Abstract: An **absorbent article** (10) includes: an **absorbing** body (30); a first skin-side sheet (40) made of non-woven fabric; and a second skin-side sheet (50) **disposed** between the **absorbing** body and the first skin-side sheet, and has a first direction (L) extending along the orientation of fiber in the first skin-side sheet and a second direction (W) perpendicular to the first direction. The first skin-side sheet has a region having a formation index of 180 to 557. The second skin-side sheet has long colored sections (55) extending in the first direction and formed of a plurality of dots. The colored sections can be viewed from the skin facing side of the **absorbent article** through the aforementioned region in the first skin-side sheet. The length of the colored sections in the first direction is 0.5 mm to 1.85 mm. The length of the colored sections in the second direction is 0.1 mm to 0.7 mm. The distance between adjacent colored sections in the first direction is 0.5 mm to 10 mm. The distance between adjacent colored sections in the second direction is 0.75 mm to 3.5 mm.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/511 A61F5/44
International (IPC 1-7): A61F13/511
CPC: A61F13/511



Family:

Publication number	Publication date	Application number	Application date
BR112018012983 A2	20181204	BR20181112983	20161216
CN108472177 A	20180831	CN201680075020	20161216
ID201809671 A	20180831	ID2018P0005441	20161216
IN201827022623 A	20180629	IN201827022623	20180618
JP2017119078 A2	20170706	JP20160159324	20160815
JP6710126 B2	20200617	JP20160159324	20160815
TW201735882 A	20171016	TW20160142760	20161222
WO17110696 A1	20170629	WO2016JP87652	20161216

Priority:
JP20150254246 20151225 JP20160159324 20160815 WO2016JP87652 20161216

Probable Assignee: UNI CHARM CO LTD

Assignee(s): (std): UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CO LTD ; ユニ チャーム株式会社 ; ユニ･チャーム株式会社 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司

Inventor(s): (std): REIKO TAKASHIMA ; TAKASHIMA REIKO

Inventor(s): ▲高▼島 麗子 ; 高 島 麗子 ; 高岛丽子 ; 高島麗子

Agent(s): BUDI RAHMAT SH; FELICITE PATENT PROFESSIONAL CORP; フェリシテ特許業務法人; 刘新宇; 北京林达刘知识产权代理事务所(普通合伙) 11277; 张会华; 林志剛

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
BR112018012983 A2	20200107	LSRV	-B11A	DISMISSAL ACC. ART.33 OF IPL - EXAMINATION NOT REQUESTED WITHIN 36 MONTHS OF FILING	
BR112018012983 A2	20200324	LSRV	-B11Y	DEFINITIVE DISMISSAL ACC. ARTICLE 33 OF IPL - EXTENSION OF TIME LIMIT FOR REQUEST OF EXAMINATION EXPIRED	
CN108472177 A	20180831	LSPB	+	published / reissued	
CN108472177 A	20180831	LSPB	PB01	PUBLICATION	
CN108472177 A	20180925		SE01	ENTRY INTO FORCE OF REQUEST FOR SUBSTANTIVE EXAMINATION	
ID201809671 A	20180831	LSPB	+	published / reissued	
IN201827022623 A	20180629	LSPB	+	published / reissued	
JP2017119078 A2	20160815		A63	特許願	Effective date: 20160815
JP2017119078 A2	20161013		A841	優先権証明請求書	Effective date: 20161013
JP2017119078 A2	20161013		A916	世界知的所有権機関へのアクセスコード付与請求書	Effective date: 20161013
JP2017119078 A2	20161201		A972001	要約不備職権訂正	Effective date: 20161128

JP2017119078 A2	20170105		A843	優先権証明請求 (電子データ交換協定)	Effective date: 20170105
JP2017119078 A2	20170106		A845	優先権証明応答 (電子データ交換協定)	Effective date: 20170105
JP2017119078 A2	20170120		A843	優先権証明請求 (電子データ交換協定)	Effective date: 20170120
JP2017119078 A2	20170124		A845	優先権証明応答 (電子データ交換協定)	Effective date: 20170123
JP2017119078 A2	20170706	LSPB	+	published / reissued	
JP2017119078 A2	20181116	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20181116 Text: JAPANESE INTERMEDIATE CODE: A523
JP2017119078 A2	20181116		A523	手続補正書	Effective date: 20181116
JP2017119078 A2	20181116	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Effective date: 20181116 Text: JAPANESE INTERMEDIATE CODE: A621
JP2017119078 A2	20181116	LSES	+A621	出願審査請求書	Effective date: 20181116
JP2017119078 A2	20191001	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20191001 Text: JAPANESE INTERMEDIATE CODE: A131
JP2017119078 A2	20191001	LSES	-A131	拒絶理由通知書	Effective date: 20191001
JP2017119078 A2	20191129	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20191129 Text: JAPANESE INTERMEDIATE CODE: A523
JP2017119078 A2	20191129		A523	手続補正書	Effective date: 20191129
JP2017119078 A2	20191129		A53	意見書	Effective date: 20191129
JP2017119078 A2	20191206		A971015	応対記録	Effective date: 20191120
JP2017119078 A2	20200417	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2017119078 A2	20200428	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20200428 Text: JAPANESE INTERMEDIATE CODE: A01
JP2017119078 A2	20200428	LSGT	+A01	特許査定	Effective date: 20200428
JP2017119078 A2	20200528	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective date: 20200526 Text: JAPANESE INTERMEDIATE CODE: A61
JP2017119078 A2	20200528	LSFE	+A61	登録料納付	Effective date: 20200526
JP6710126 B2	20200617	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6710126 B2	20360815	PEXP		Calculated Patent Term Expiry	
TW201735882 A	20171016	LSPB	+	published / reissued	
WO17110696 A1	20170629	LSPB	+	published / reissued	
WO17110696 A1	20170830		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Kind code of Ref document: A1 Ref document number: 16878585 Country of Ref document: EP
WO17110696 A1	20180626	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE
WO17110696 A1	20180703		REG	REFERENCE TO NATIONAL CODE	Ref country code: BR Ref document number:

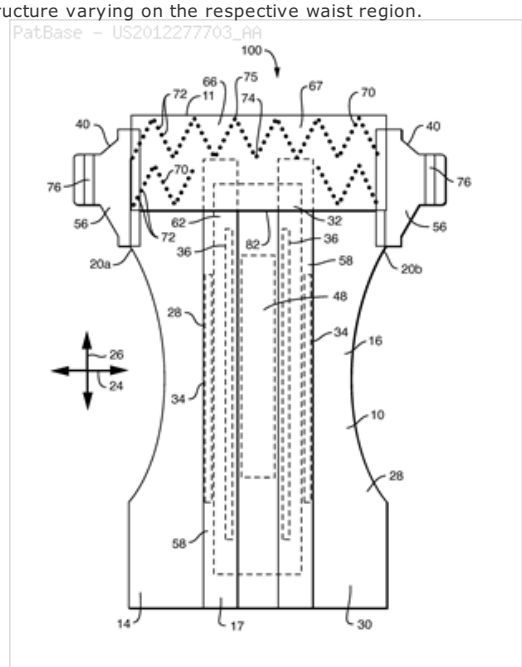
					112018012983 Ref legal event code: B01A Country of Ref document: BR
WO17110696 A1	20181204	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Effective date: 20180622 Kind code of Ref document: A2 Ref document number: 112018012983 Country of Ref document: BR
WO17110696 A1	20190116	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	Kind code of Ref document: A1 Ref document number: 16878585 Country of Ref document: EP

75) Family number: 52218654 (US2012277703 AA)

Title: **ABSORBENT** **ARTICLE** WITH CUSHIONED WAISTBAND

Abstract: A waistband structure for an **absorbent** **article** is disclosed. The waistband structure extending across at least one of the front and back waist regions and is composed of a filler material and a waistband material positioned over the filler material. The waistband structure may be bonded to at least one of the front and back waist regions via a bond pattern. The bond pattern may vary position in the longitudinal direction and have at least one peak and one valley across the respective waist region. Typically, a distance between the peak and the valley in the bond pattern is between 5 and 100 mm. The bond pattern results in a z-directional height of the waistband structure varying on the respective waist region.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/511 A61F13/64 A61L15/22
CPC: A61F13/49007 A61F13/49011 A61F13/49012 A61F13/51104 A61F2013/49023
US: 604/367 604/369 604/385.24 604/385.27 604/385.28 604/385.29 604/385.3



Family:

Publication number	Publication date	Application number	Application date
AU2012247200 AA	20121101	AU20120247200	20120404
AU2012247200 BB	20150115	AU20120247200	20120404
CN103501741 A	20140108	CN201280020762	20120404
CN103501741 B	20150513	CN201280020762	20120404
CO6801677 A2	20131129	CO20130255882	20131029
EP2701655 A2	20140305	EP20120776475	20120404
EP2701655 A4	20141001	EP20120776475	20120404
EP2701655 B1	20190911	EP20120776475	20120404
KR101473139 B1	20141215	KR20137027921	20120404
KR20140012740 A	20140203	KR20137027921	20120404
MX2013012214 A1	20140414	MX20130012214	20120404
RU2013151388 A	20150610	RU20130151388	20120404
RU2580492 C2	20160410	RU20130151388	20120404
US2012277703 AA	20121101	US20110096031	20110428
US8764722 BB	20140701	US20110096031	20110428
WO12146993 A2	20121101	WO2012IB51655	20120404
WO12146993 A3	20130103	WO2012IB51655	20120404

Priority:
US20110096031 20110428 WO2012IB51655 20120404

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): ELLINGSON DANIEL LEE ; HAHN JOHN TIMOTHY ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC ; MCMORROW CONNIE MAY ; RHEIN CHRISTINA MARIE

Assignee(s): КИМБЕРЛИ КЛАРК ВОРЛДВАЙД ИНК ; 金伯利 克拉克环球有限公司 ; 킴벌리-클라크 월드와이드, 인크.

Inventor(s): (std): ELLINGSON DANIEL LEE ; ELLINGSON DANIEL LI ; HAHN JOHN TIMOTHY ; KHAN DZHON TIMOTI ; MAKMORROU KONNI MEJ ; MCMORROW CONNIE MAY ; RAJN KRISTINA MARI ; RHEIN CHRISTINA MARIE

Inventor(s): C M 莱茵 ; C M 麦莫罗 ; CHRISTINA MARIE RHEIN ; CONNIE MAY MCMORROW ; C·M·莱茵 ; C·M·麦莫罗 ; D L 埃林森 ; DANIEL LEE ELLINGSON ; D·L·埃林森 ; J T 哈恩 ; JOHN TIMOTHY HAHN ; J·T·哈恩 ; МАКМОРРОУ КОННИ МЭЙ ; РАЙН КРИСТИНА МАРИ ; ХАН ДЖОН ТИМОТИ ; ЭЛЛИНГСОН ДАНИЭЛ ЛИ ; 레인 크리스티나 마리 ; 맥모로우 코니 메이 ; 엘링슨 다니엘 리 ; 한 존 티모씨

Agent(s): DEHNS; DRESSEL SARAH ANN ET AL; J IAN RAISBECK; KIMBERLY CLARK WORLDWIDE INC; MABEY KATHERINE FRANCES; SPRUSON AND FERGUSON; 北京泛华伟业知识产权代理有限公司 11280; 蔡民军; 위혜숙; 장수길

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2012247200 AA	20121101	LSPB	+	published / reissued	
AU2012247200 BB	20150115	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2012247200 BB	20150514	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2012247200 BB	20320404	PEXP		Calculated Patent Term Expiry	
CN103501741 A	20140108	LSPB	+	published / reissued	
CN103501741 A	20140108	LSPB	+C06	PUBLICATION	
CN103501741 A	20140528		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN103501741 B	20150513	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103501741 B	20150513	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103501741 B	20320404	PEXP		Calculated Patent Term Expiry	
CO6801677 A2	20131129	LSPB	+	published / reissued	
CO6801677 A2	20141218	LSGT	+FG	APPLICATION GRANTED	
EP2701655 A2	20140305	LSPB	+	published / reissued	
EP2701655 A2	20140305	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20131120
EP2701655 A2	20140305		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2701655 A2	20140326		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	Inventor: HAHN, JOHN, TIMOTHY PartyType: inventor
EP2701655 A2	20140326		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	PartyType: inventor Inventor: MCMORROW, CONNIE, MAY
EP2701655 A2	20140326		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	PartyType: inventor Inventor: ELLINGSON, DANIEL, LEE
EP2701655 A2	20140326		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	PartyType: inventor Inventor: RHEIN, CHRISTINA, MARIE
EP2701655 A2	20140806		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2701655 A4	20141001	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20140901
EP2701655 A4	20141001		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61L 15/22 20060101ALI20140826BHEP
EP2701655 A4	20141001		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/511 20060101ALI20140826BHEP ClassificationScheme: IPC
EP2701655 A4	20141001		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/49 20060101AFI20140826BHEP
EP2701655 A4	20141001		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/64 20060101ALI20140826BHEP
EP2701655 A4	20171101	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20171004
EP2701655 A4	20190410	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20190318
EP2701655 A4	20190410		RIN1	INFORMATION ON INVENTOR PROVIDED	PartyType: inventor Inventor: MCMORROW,

				BEFORE GRANT (CORRECTED)	CONNIE, MAY
EP2701655 A4	20190410		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	PartyType: inventor Inventor: ELLINGSON, DANIEL, LEE
EP2701655 A4	20190410		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	PartyType: inventor Inventor: RHEIN, CHRISTINA, MARIE
EP2701655 A4	20190410		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	Inventor: HAHN, JOHN, TIMOTHY PartyType: inventor
EP2701655 B1	20190911	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2701655 B1	20190911		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2701655 B1	20190911	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP2701655 B1	20190913	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP2701655 B1	20190915	LSNP	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20190915 Kind code of Ref document: T Ref country code: AT Ref document number: 1177534 Ref legal event code: REF Country of Ref document: AT
EP2701655 B1	20191002	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP2701655 B1	20191002	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602012063909 Ref legal event code: R096 Country of Ref document: DE
EP2701655 B1	20200115		REG	REFERENCE TO A NATIONAL CODE	Effective date: 20190911 Ref country code: NL Ref legal event code: MP
EP2701655 B1	20200127	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: LT Ref legal event code: MG4D
EP2701655 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20191211 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NO
EP2701655 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP2701655 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LT
EP2701655 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: HR
EP2701655 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20191211 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BG
EP2701655 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

					Country of Ref document: SE
EP2701655 B1	20200228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20191212 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP2701655 B1	20200228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LV
EP2701655 B1	20200228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AL
EP2701655 B1	20200228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RS
EP2701655 B1	20200228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP2701655 B1	20200415	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20190911 Kind code of Ref document: T Ref country code: AT Ref document number: 1177534 Ref legal event code: MK05 Country of Ref document: AT
EP2701655 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP2701655 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP2701655 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20200113 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP2701655 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NL
EP2701655 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP2701655 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL

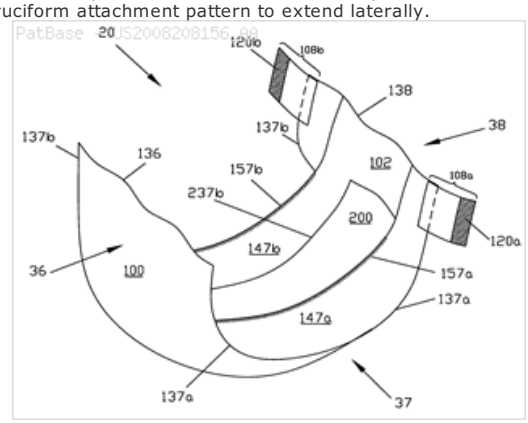
EP2701655 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP2701655 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20200224 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP2701655 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP2701655 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SM
EP2701655 B1	20200529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP2701655 B1	20200615	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602012063909 Ref legal event code: R097 Country of Ref document: DE
EP2701655 B1	20200730		PG2D	INFORMATION ON LAPSE IN CONTRACTING STATE DELETED	
EP2701655 B1	20200731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20190911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP2701655 B1	20200731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20200112 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP2701655 B1	20200819	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20200615
EP2701655 B1	20320404	PEXP		Calculated Patent Term Expiry	
KR101473139 B1	20141215	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101473139 B1	20320404	PEXP		Calculated Patent Term Expiry	
KR20140012740 A	20140203	LSPB	+	published / reissued	
KR20140012740 A	20140820	LSES	A201	REQUEST FOR EXAMINATION	
KR20140012740 A	20140820	LSES	A302	REQUEST FOR ACCELERATED EXAMINATION	
KR20140012740 A	20141103	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20140012740 A	20141209	LSGT	+GRNT	WRITTEN DECISION TO GRANT	

76) Family number: 42121484 (US2008208156 AA)

Title: **DISPOSABLE** **ABSORBENT** **ARTICLE** HAVING DEPLOYABLE BELT EARS

Abstract: A simple **disposable** **absorbent** **article** including a chassis and an **absorbent** assembly. The chassis includes laterally opposing side flaps formed by laterally inwardly **disposed** portions of the chassis and deployable belt ears. Each belt ear is held laterally inwardly **disposed** until being released and deployed laterally outward so as to project laterally outward beyond the adjacent side flap. Fastening elements may be **disposed** on at least two of the belt ears, the fastening elements being adapted for fastening portions of the **article** together to encircle a waist and legs of a wearer. The chassis may be extensible. The **absorbent** assembly may be attached in a cruciform pattern to the chassis to allow portions of the chassis underlying the **absorbent** assembly and lying outside the cruciform attachment pattern to extend laterally.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/56 A61F13/64
International (IPC 1-7): A61F13/15
CPC: A61F13/551 A61F13/5633 A61F13/64
US: 604/385.04 604/385.040P 604/385.11 604/385.28 604/392



Family:

Publication number	Publication date	Application number	Application date
CN101346118 A	20090114	CN200780000881	20070625
CN101346118 B	20130403	CN200780000881	20070625
EP2112919 A1	20091104	EP20070718358	20070625
IN05105DN2007 A	20080912	IN2007DN05105	20070702
IN270195 B	20151204	IN2007DN05105	20070702
US2008208156 AA	20080828	US20070713906	20070228
US8585672 BB	20131119	US20070713906	20070228
WO08104839 A1	20080904	WO2007IB52457	20070625

Priority:
US20070713906 20070228 WO2007IB52457 20070625

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): HAYDEN MICHAEL PATRICK ; LAVON GARY DEAN ; PROCTER AND GAMBLE ; SMITH KEVIN MICHAEL ; YAMAMOTO YOICHIRO

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; HAYDEN MICHAEL PATRICK ; LAVON GARY DEAN ; MICHAEL SMITH KEVIN ; PATRICK HAYDEN MICHAEL ; SMITH KEVIN MICHAEL ; YAMAMOTO YOICHIRO ; YOICHIRO YAMAMOTO

Inventor(s): HAYDEN MICHAEL ; LAVON GARY ; SMITH KEVIN ; SMITH KEVIN MICHAELL ; 凯文 M 史密斯 ; 凯文·M·史密斯 ; 加里 D 拉冯 ; 加里·D·拉冯 ; 山本与一郎 ; 迈克尔 P 海登 ; 迈克尔·P·海登

Agent(s): KREMER VERONIQUE MARIE JOSEPHINE; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; RICHARD L; THE PROCTER AND GAMBLE COMPANY; 北京市柳沈律师事务所 11105; 封新琴; 巫肖南

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN101346118 A	20090114	LSPB	+	published / reissued	
CN101346118 A	20090114	LSPB	+C06	PUBLICATION	
CN101346118 A	20090114	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN101346118 A	20090304		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101346118 A	20090304		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN101346118 B	20130403	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101346118 B	20130403	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	

CN101346118 B	20130403	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN101346118 B	20190611	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN101346118 B	20190611	LSLE	-CF01	未缴年费专利权终止	Effective date: 20180625 Text: 专利权的终止 (Termination of Patent Right)
CN101346118 B	20270625	PEXP		Calculated Patent Term Expiry	
EP2112919 A1	20091104	LSPB	+	published / reissued	
EP2112919 A1	20091104	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20070730
EP2112919 A1	20091104		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR
EP2112919 A1	20100602		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2112919 A1	20100908	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20100804
EP2112919 A1	20120307	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20110906
IN05105DN2007 A	20080912	LSPB	+	published / reissued	
IN270195 B	20151204	LSGT	+	granted / extensions (spc, cpc, pte)	
IN270195 B	20270702	PEXP		Calculated Patent Term Expiry	
US2008208156 AA	20080828	LSPB	+	published / reissued	
US2008208156 AA	20131030	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US8585672 BB	20070525	LSAS	AS	ASSIGNMENT	OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:LAVON, GARY DEAN;SMITH, KEVIN MICHAEL;YAMAMOTO, YOICHIRO;AND OTHERS;SIGNING DATES FROM 20070419 TO 20070514;REEL/FRAME:019349/0662 Owner: PROCTER & GAMBLE COMPANY, THE,OHIO PartyType: owner
US8585672 BB	20070525	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:LAVON, GARY DEAN;SMITH, KEVIN MICHAEL;YAMAMOTO, YOICHIRO;AND OTHERS;SIGNING DATES FROM 20070419 TO 20070514;REEL/FRAME:019349/0662 Owner: PROCTER & GAMBLE COMPANY, THE, OHIO
US8585672 BB	20131030	LSGT	PAT1	Patented Case	
US8585672 BB	20131119	LSGT	+	granted / extensions (spc, cpc, pte)	
US8585672 BB	20170504	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US8585672 BB	20270427	PEXP		Calculated Patent Term Expiry (PTA 58 days)	
WO08104839 A1	20070625	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 200780000881.5 Country of Ref document: CN
WO08104839 A1	20070702	LSNP	+WWE	WIPO INFORMATION:	Ref document number: 5105/DELNP/2007

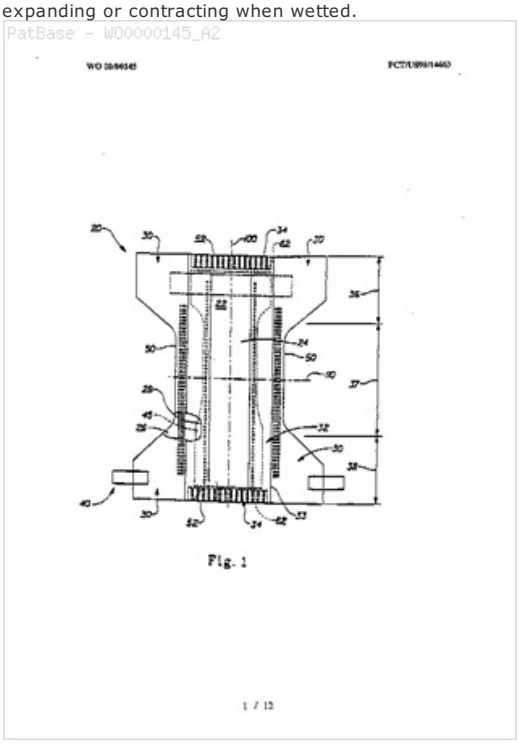
				ENTRY INTO NATIONAL PHASE	Country of Ref document: IN
WO08104839 A1	20070730	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2007718358 Country of Ref document: EP
WO08104839 A1	20080904	LSPB	+	published / reissued	
WO08104839 A1	20081015		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Ref document number: 07718358 Kind code of Ref document: A1 Country of Ref document: EP
WO08104839 A1	20090829	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE

77) Family number: 33466181 (WO0000145 A2)

Title: **DISPOSABLE** **ABSORBENT** **ARTICLES** HAVING TRANSLATIONAL OPERATIVE MEMBERS

Abstract: An **absorbent** **article** having a support member comprising a top sheet, a backsheet, or an **absorbent** core, and a translational operative member for enhancing the capacity for containing bodily waste. The translational operative member is capable of being moved from one region of the **article** to another or within a region via a translating device. The translating device comprises a moisture sensitive element capable of expanding or contracting when wetted.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/42 A61F13/49 A61F13/511 A61F13/56 A61F13/82 A61F5/44 A61L15/16 A61L15/18 A61L15/20 A61L15/24 A61L15/26 A61L15/56 G01N33/483 G01N33/487 G01N33/53
International (IPC 1-7): A61F13/15
CPC: A61F13/42 A61F13/495 A61F13/82 A61F13/84 A61F2013/8473 A61F2013/8479 A61L15/18 A61L15/20 A61L15/24 A61L15/26 A61L15/56 G01N33/5308



Family:

Publication number	Publication date	Application number	Application date
CN1313743 A	20010919	CN19998008963	19990629
TW416842 B	20010101	TW19990110976	19991201
WO0000145 A2	20000106	WO1999US14663	19990629
WO0000145 A3	20000615	WO1999US14663	19990629
WO0000145 C2	20000330	WO1999US14663	19990629

Priority:
US19980107563 19980629 US19980106225 19980629 US19980090993P 19980629

Probable Assignee: PROCTER AND GAMBLE CO
Assignee(s): (std): PROCTER AND GAMBLE
Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; 宝洁公司 ; 寶鹼公司
Inventor(s): (std): AHR N A ; AHR NICHOLAS ALBERT ; ROE D C ; ROE DONALD CARROLL
Inventor(s): D C ROE ; N A AHR ; 唐納德凱洛爾羅伊 ; 唐纳德·C·罗 ; 尼古拉斯·A·阿尔 ; 尼可拉斯亞伯特阿爾
Agent(s): 陳長文
Designated states: AE 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 GD GE GH GM GN GR GW HR HU ID IE IL IN 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 UZ VN YU ZA ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN1313743 A	20010919	LSPB	+	published / reissued	
CN1313743 A	20010919	LSPB	+C06	PUBLICATION	
CN1313743 A	20011003		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN1313743 A	20040922	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
TW416842 B	20010101	LSGT	+	granted / extensions (spc, cpc, pte)	
TW416842 B	20191201	PEXP		Calculated Patent Term Expiry	

WO0000145 A2	19990629	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 99808963.X Country of Ref document: CN
WO0000145 A2	20000106	LSPB	+	published / reissued	
WO0000145 A2	20000106		+AK	DESIGNATED STATES	Kind code of Ref document: A2 Country of Ref document: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW
WO0000145 A2	20000106		+AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS	Kind code of Ref document: A2 Country of Ref document: AM AT AZ BE BF BJ BY CF CG CH CI CM CY DE DK ES FI FR GA GB GH GM GN GR GW IE IT KE KG KZ LS LU MC MD ML MR MW NE NL PT RU SD SE SL SN SZ TD TG TJ TM UG ZW
WO0000145 A2	20000301		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	
WO0000145 A3	20000615		+AK	DESIGNATED STATES	Kind code of Ref document: A3 Country of Ref document: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW
WO0000145 A3	20000615		+AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS	Kind code of Ref document: A3 Country of Ref document: AM AT AZ BE BF BJ BY CF CG CH CI CM CY DE DK ES FI FR GA GB GH GM GN GR GW IE IT KE KG KZ LS LU MC MD ML MR MW NE NL PT RU SD SE SL SN SZ TD TG TJ TM UG ZW
WO0000145 A3	20001213	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 200007461 Country of Ref document: ZA
WO0000145 A3	20001213	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2000/07461 Country of Ref document: ZA
WO0000145 A3	20001213	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: IN/PCT/2000/00420/DE Country of Ref document: IN
WO0000145 A3	20001220	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: PA/a/2000/012986 Country of Ref document: MX
WO0000145 A3	20001222	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Ref document number: 2336068 Country of Ref document: CA
WO0000145 A3	20001227	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Ref document number: 2000 556731 Kind code of Ref document: A Country of Ref document: JP
WO0000145 A3	20001227	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 1020007014872 Country of Ref document: KR
WO0000145 A3	20001227	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 1999933596 Country of Ref document: EP
WO0000145 A3	20010418	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	Ref document number: 1999933596 Country of Ref document: EP
WO0000145 A3	20010503	LSWD	REG	REFERENCE TO NATIONAL CODE	Ref legal event code: 8642 Ref country code: DE
WO0000145 A3	20010625	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	Ref document number: 1020007014872 Country of Ref document: KR
WO0000145 A3	20030812	LSRV	-WWR	WIPO INFORMATION: REFUSED IN NATIONAL OFFICE	Ref document number: 1020007014872 Country of Ref document: KR
WO0000145 A3	20030813	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	Ref document number: 1999933596 Country of Ref document: EP
WO0000145 C2	20000330		+AK	DESIGNATED STATES	Kind code of Ref document: C2 Country of Ref document: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW
WO0000145 C2	20000330		+AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS	Kind code of Ref document: C2 Country of Ref document: AM AT AZ BE BF BJ BY CF CG CH CI CM CY DE DK ES FI FR GA GB GH GM GN GR GW IE IT KE KG KZ LS LU MC MD ML MR MW NE NL PT RU SD SE SL SN SZ TD TG TJ TM UG ZW

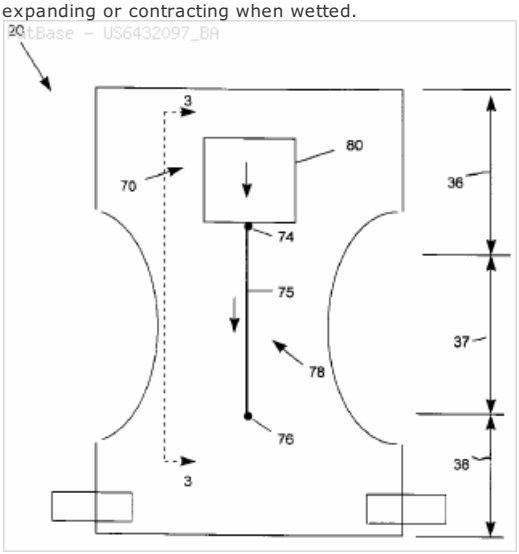
WO0000145 C2	20000330	DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE (PCT APPLICATION FILED BEFORE 20040101)

78) Family number: 33466053 (US6432097 BA)

Title: **DISPOSABLE** **ABSORBENT** **ARTICLES** HAVING TRANSLATIONAL OPERATIVE MEMBERS

Abstract: An **absorbent** **article** having a support member comprising a top sheet, a backsheet, or an **absorbent** core, and a translational operative member for enhancing the capacity for containing bodily waste. The translational operative member is capable of being moved from one region of the **article** to another or within a region via a translating device. The translating device comprises a moisture sensitive element capable of expanding or contracting when wetted.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/42 A61F13/49 A61F13/51 A61F13/511 A61F13/56 A61F13/82 A61F5/44 A61L15/16 A61L15/18 A61L15/20 A61L15/24 A61L15/26 A61L15/56 G01N33/483 G01N33/487 G01N33/53
International (IPC 1-7): A61F1/315 A61F13/15
CPC: A61F13/42 A61F13/495 A61F13/82 A61F13/84 A61F2013/8473 A61F2013/8479 A61L15/18 A61L15/20 A61L15/24 A61L15/26 A61L15/56 G01N33/5308
US: 604/361 604/362 604/385.16 604/385.19 604/385.22



Family:

Publication number	Publication date	Application number	Application date
US6432097 BA	20020813	US19990342298	19990629

Priority:

US19980107563 19980629 US19980106225 19980629 US19980090993P 19980629 US19990342298 19990629

Probable Assignee: PROCTER AND GAMBLE CO
Assignee(s): (std): PROCTER AND GAMBLE
Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY
Inventor(s): (std): AHR NICHOLAS ALBERT ; ROE DONALD CARROLL
Inventor(s): DONALD CARROLL ROE ; NICHOLAS ALBERT AHR
Agent(s): JAY A KREBS; JEFFREY R MOORE; KEN K PATEL

Legal status (INPADOC)

View legal status timeline

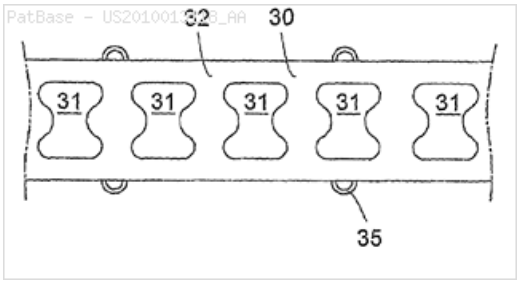
Patent	Date recorded	Event group	Code	Event	Details
US6432097 BA	19990823	LSAS	AS	ASSIGNMENT	Effective date: 19990623 PartyType: owner Owner: PROCTER & GAMBLE COMPANY, THE, OHIO OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:AHR, NICHOLAS ALBERT;ROE, DONALD CARROLL;REEL/FRAME:010178/0250
US6432097 BA	20020813	LSGT	+	granted / extensions (spc, cpc, pte)	
US6432097 BA	20051228	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US6432097 BA	20100122	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 8
US6432097 BA	20140321		REMI	MAINTENANCE FEE REMINDER MAILED	
US6432097 BA	20140813	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6432097 BA	20140908	LSLE	PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6432097 BA	20140908	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	Text: PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6432097 BA	20140930	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	Effective date: 20140813

US6432097 BA	20190629	PEXP	Calculated Patent Term Expiry

79) Family number: 41120597 (US2010013118 AA)

Title: MAT-FORMING WHEEL

Abstract: A mat-forming wheel for forming air-laid **absorbent** cores for sanitary **absorbent** **articles**, such as **diapers**, sanitary napkins, incontinence protectors and the like, said wheel having a series of moulds along its peripheral surface, each mould having up-standing walls and a bottom. The up-standing walls of the mould are formed in an element of a flexible material, which element is releasably attached to a foraminous substrate of rigid material, which runs along the whole circumference of the mat-forming wheel.



Classifications:
International (IPC 8-9): A61F13/15 A61F13/472 A61F13/53 B27N3/08 B29C43/08 B32B37/18 B32B37/22 D01G25/00 D04H1/72 D04H1/732 D04H1/736
International (IPC 1-7): A61F13/15
CPC: A61F13/15626 D01G25/00 D04H1/72 D04H1/732 D04H1/736
US: 264/250 264/250P 264/299 264/310 264/319 264/517 425/436.00R 425/436.00RS 425/436R

Family:

Publication number	Publication date	Application number	Application date
AU2006346393 AA	20080124	AU20060346393	20060720
BRPI0621877 A2	20111220	BR2006PI21877	20060720
CL2007002139 A1	20080620	CL20070002139	20070720
CN101484106 A	20090715	CN200680055352	20060720
CN101484106 B	20120418	CN200680055352	20060720
CO6140011 A2	20100319	CO20090002754	20090115
DE602006042767 D1	20141002	DE200660042767T	20060720
EP2043575 A1	20090408	EP20060769648	20060720
EP2043575 A4	20110706	EP20060769648	20060720
EP2043575 B1	20140820	EP20060769648	20060720
IN10154DN2008 A	20090320	IN2008DN10154	20081208
JP2009544352 T2	20091217	JP20090520701T	20060720
MX2008015876 A1	20090112	MX20080015876	20060720
RU2009105882 A	20100827	RU20090105882	20060720
RU2408345 C2	20110110	RU20090105882	20060720
US2010013118 AA	20100121	US20060373728	20060720
US7981355 BB	20110719	US20060373728	20060720
WO08010753 A1	20080124	WO2006SE50268	20060720

Priority:

WO2006SE50268 20060720 EP20060769648 20060720 RU20090105882 20060720
CO20090002754 20090115

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): ALKHAGEN MAARTEN ; EDWARDSON GUNNAR ; SCA HYGIENE PROD AB

Assignee(s): ALKHAGEN MARTEN ; SCA HYGIENE PRODUCTS AB ; SCA卫生产品股份公司 ; SKA KHAJDZHIN PRODAKTS AB ; СКА ХАЙДЖИН ПРОДАКТС АБ ; СКА ХАЙДЖИН ПРОДАКТС АБ (SE) ; エシティ ハイジーン アンド ヘルス アクチエボラグ ; エスセーアー ハイジーン プロダクツ アーベー

Inventor(s): (std): AL KKHAGEN MORTEN ; ALKHAGEN M ; ALKHAGEN MAARTEN ; ALKHAGEN MARTEN ; EDVARDSSON GUNNAR ; EDWARDSON G ; EDWARDSON GUNNAR ; EDWARDSON GUNNAR ALKHAGEN MART ; EHDVARDSSON GUNNAR

Inventor(s): AL'KKHAGEN MORTEN ; EDWARDSON GUNNAR ALKHAGEN MARTEN ; G EDWARDSON ; G 爱德华松 ; GUNNAR EDVARDSSON ; GUNNAR EDWARDSON ; M ALKHAGEN ; M 阿尔克哈根 ; MAARTEN ALKHAGEN ; MARTEN ALKHAGEN ; АЛЬКХАГЕН МОРТЕН ; АЛЬКХАГЕН Мортен (SE) ; ЭДВАРДССОН ГУННАР ; ЭДВАРДССОН Гуннар (SE) ; ガンナー エドワルトソン ; マルテン アルカーゲン

Agent(s): ALBIHNS STOCKHOLM AB; BOERLIN MARIA; BUCHANAN INGERSOLL AND ROONEY PC; ERNESTO CAVELIER; GRIFFITH HACK; HYLTNER JAN OLOF ET AL; WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; ZACCO DR PETERS U PARTNER; 中国国际贸易促进委员会专利商标事务所; 中国国际贸易促进委员会专利商标事务所 11038; 実広 信哉; 志賀 正武; 村山 靖彦; 渡邊 隆; 蒋旭荣

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 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 MW MX 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 SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2006346393 AA	20080124	LSPB	+	published / reissued	
AU2006346393 AA	20090402	LSRE	DA3	AMENDMENTS MADE SECTION 104	Text: THE NATURE OF THE AMENDMENT IS: AMEND THE NAME OF THE CO-INVENTOR TO READ FROM EDWARDSON, GUNNAR TO EDVARDSSON, GUNNAR

AU2006346393 AA	20110414	LSLE	-MK1	APPLICATION LAPSED SECTION 142(2)(A) - NO REQUEST FOR EXAMINATION IN RELEVANT PERIOD	
BRPI0621877 A2	20120605	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE AS 3A E 5A ANUIDADES.
BRPI0621877 A2	20130702	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2161 DE 05/06/2012.
CL2007002139 A1	20080620	LSPB	+	published / reissued	
CN101484106 A	20090715	LSPB	+	published / reissued	
CN101484106 A	20090715	LSPB	+C06	PUBLICATION	
CN101484106 A	20090715	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN101484106 A	20090909		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101484106 A	20090909		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN101484106 B	20120418	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101484106 B	20120418	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101484106 B	20120418	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN101484106 B	20190709	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN101484106 B	20190709	LSLE	-CF01	未缴年费专利权终止	Text: 专利权的终止 (Termination of Patent Right) Effective date: 20180720
CN101484106 B	20260720	PEXP		Calculated Patent Term Expiry	
CO6140011 A2	20100319	LSPB	+	published / reissued	
DE602006042767 D1	20140325		R079	AMENDMENT OF IPC MAIN CLASS	ClassificationSymbol: D01G0025000000 ClassificationScheme: IPC Text: PREVIOUS MAIN CLASS: A61F0013150000
DE602006042767 D1	20190201	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
EP2043575 A1	20090408	LSPB	+	published / reissued	
EP2043575 A1	20090408	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20090126
EP2043575 A1	20090408		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP2043575 A1	20090408		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA HR MK RS
EP2043575 A1	20090415		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	Inventor: EDVARDSSON, GUNNAR PartyType: inventor
EP2043575 A1	20090415		RIN1	INFORMATION ON INVENTOR PROVIDED BEFORE GRANT (CORRECTED)	PartyType: inventor Inventor: ALKHAGEN, MARTEN
EP2043575 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED	Payment date: 20160720 Year of fee payment: 11 Country of Ref document: GB

				FROM NATIONAL OFFICE TO EPO]	
EP2043575 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 11 Payment date: 20160720 Country of Ref document: IT
EP2043575 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20160712 Year of fee payment: 11 Country of Ref document: DE
EP2043575 A4	20110706	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20110608
EP2043575 A4	20120725		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2043575 A4	20140325		REG	REFERENCE TO A NATIONAL CODE	ClassificationScheme: IPC Text: PREVIOUS MAIN CLASS: A61F0013150000 ClassificationSymbol: D01G0025000000 Ref legal event code: R079 Ref country code: DE Ref document number: 602006042767 Country of Ref document: DE
EP2043575 A4	20140430		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: D01G 25/00 20060101AFI20140325BHEP
EP2043575 A4	20140430		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALI20140325BHEP
EP2043575 A4	20140430		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: D04H 1/732 20120101ALI20140325BHEP ClassificationScheme: IPC
EP2043575 A4	20140430		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: D04H 1/736 20120101ALI20140325BHEP
EP2043575 A4	20140430		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: D04H 1/72 20120101ALI20140325BHEP ClassificationScheme: IPC
EP2043575 A4	20140430		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: B32B 37/22 20060101ALI20140325BHEP ClassificationScheme: IPC
EP2043575 A4	20140514	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20140415
EP2043575 B1	20140820	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2043575 B1	20140820		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP2043575 B1	20140820	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP2043575 B1	20140829	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP2043575 B1	20140910		RIN2	INFORMATION ON INVENTOR PROVIDED AFTER GRANT (CORRECTED)	PartyType: inventor Inventor: ALKHAGEN, MARTEN
EP2043575 B1	20140910		RIN2	INFORMATION ON INVENTOR PROVIDED AFTER GRANT (CORRECTED)	Inventor: EDVARDSSON, GUNNAR PartyType: inventor
EP2043575 B1	20140915	LSNP	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20140915 Ref legal event code: REF Kind code of Ref document: T Ref country code: AT Ref document number: 683544 Country of Ref document: AT
EP2043575 B1	20140924	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D

EP2043575 B1	20141002	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602006042767 Ref legal event code: R096 Effective date: 20141002 Ref country code: DE Country of Ref document: DE
EP2043575 B1	20141006	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R083 Ref document number: 602006042767 Ref country code: DE Country of Ref document: DE
EP2043575 B1	20150115	LSRV	REG	REFERENCE TO A NATIONAL CODE	Kind code of Ref document: T Effective date: 20140820 Ref legal event code: MK05 Ref document number: 683544 Ref country code: AT Country of Ref document: AT
EP2043575 B1	20150121	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: VDEP Ref country code: NL Effective date: 20140820
EP2043575 B1	20150126	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MG4D Ref country code: LT
EP2043575 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140820 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LT
EP2043575 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140820 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP2043575 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20141222 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP2043575 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140820 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SE
EP2043575 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140820 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP2043575 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20141120 Country of Ref document: BG
EP2043575 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20141121 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP2043575 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140820 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP2043575 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140820 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LV

EP2043575 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20141220 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP2043575 B1	20150331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140820 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NL
EP2043575 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140820 Country of Ref document: EE
EP2043575 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140820 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP2043575 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140820 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP2043575 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140820 Country of Ref document: SK
EP2043575 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140820 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP2043575 B1	20150521	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602006042767 Ref legal event code: R097 Country of Ref document: DE
EP2043575 B1	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140820 Country of Ref document: PL
EP2043575 B1	20150729	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20150521
EP2043575 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140820 Country of Ref document: SI
EP2043575 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140820 Country of Ref document: MC
EP2043575 B1	20160229	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP2043575 B1	20160331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150720 Country of Ref document: LU
EP2043575 B1	20160420	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP2043575 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20150731 Country of Ref document: LI
EP2043575 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20150731 Country of Ref document: CH
EP2043575 B1	20160429	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Effective date: 20160331 Ref legal event code: ST
EP2043575 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150731 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: FR
EP2043575 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150720 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP2043575 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140820 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BE
EP2043575 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Lapsed date: 20060720 Country of Ref document: HU
EP2043575 B1	20170630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140820 Country of Ref document: CY
EP2043575 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140820 Country of Ref document: TR
EP2043575 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170720 Year of fee payment: 12 Country of Ref document: IT
EP2043575 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 12 Payment date: 20170711 Country of Ref document: DE
EP2043575 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 12 Payment date: 20170719 Country of Ref document: GB
EP2043575 B1	20190201	LSDW	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602006042767 Ref legal event code: R119

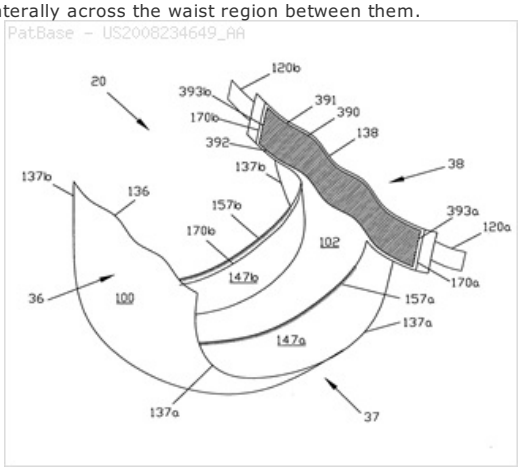
					Country of Ref document: DE
EP2043575 B1	20190327	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Effective date: 20180720 Ref country code: EP
EP2043575 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180720 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: GB
EP2043575 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20190201 Country of Ref document: DE
EP2043575 B1	20190731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20180720 Country of Ref document: IT
EP2043575 B1	20260720	PEXP		Calculated Patent Term Expiry	

80) Family number: 42181434 (US2008234649 AA)

Title: **DIAPER** HAVING DEPLOYABLE CHASSIS EARS AND STRETCH WAISTBAND

Abstract: A **disposable** **diaper** including a chassis and an **absorbent** assembly. The chassis includes laterally opposing side flaps formed by laterally inwardly folded portions of the chassis and deployable chassis ears formed by other laterally inwardly folded portions of the chassis. Each chassis ear is held laterally inwardly folded until being released and unfolded laterally outward so as to project laterally outward beyond the adjacent side flap. An elastically extensible stretch waistband overlies portions of the laterally opposing chassis ears and extends laterally across the waist region between them.

Classifications:
International (IPC 8-9): A61F13/15
International (IPC 1-7): A61F13/15
CPC: A61F13/49011 A61F13/49014 A61F13/4902 A61F13/5633
US: 604/385.13 604/385.130P 604/385.24 604/385.25 604/385.28 604/385.29 604/385.3



Family:

Publication number	Publication date	Application number	Application date
BRPI0808650 A2	20140812	BR2008PI08650	20080319
CA2681772 AA	20090923	CA20082681772	20080319
CN101641066 A	20100203	CN200880009595	20080319
EP2124860 A1	20091202	EP20080744056	20080319
IN05716DN2009 A	20100507	IN2009DN05716	20090903
JP2010521248 T2	20100624	JP20090553843T	20080319
MX2009010026 A1	20091012	MX20090010026	20080319
US2008234649 AA	20080925	US20070728127	20070323
US7857801 BB	20101228	US20070728127	20070323
WO08118713 A1	20081002	WO2008US57489	20080319

Priority:
US20070728127 20070323 WO2008US57489 20080319

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): HAMALL KENNETH MICHAEL ; LAVON GARY DEAN ; PROCTER AND GAMBLE ; PROCTER AND GAMBLE US ; SMITH KEVIN MICHAEL

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; HAMALL KENNETH MICHAEL ; LAVON GARY DEAN ; MICHAEL HAMALL KENNETH ; MICHAEL SMITH KEVIN ; SMITH KEVIN MICHAEL

Inventor(s): GARY DEAN LAVON ; HAMALL KENNETH ; KENNETH MICHAEL HAMALL ; KEVIN MICHAEL SMITH ; LAVON GARY ; SMITH KEVIN ; ケネス マイケル ハマル ; ケビン マイケル スミス ; ゲアリー ディーン ラボン ; 凯文 M 史密斯 ; 加里 D 拉万 ; 肯尼思 M 哈马尔

Agent(s): KREMER VERONIQUE MARIE JOSEPHINE; NAGAI HIROSHI; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; RICHARD L; THE PROCTER AND GAMBLE COMPANY; THE PROCTER AND GAMBLE COMPANY, GLOBAL LEGAL DEPARTMENT - IP; WILSON LUE LLP; 勝沼 宏仁; 北京市柳沈律师事务所; 吉武 賢次; 名塚 聡; 封新琴; 岡田 淳平; 永井 浩之; 磯貝 克臣

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
BRPI0808650 A2	20140826		-B08L	APPLICATION FEES: FINAL ARCHIVING	Text: REFERENTE AO NAO RECOLHIMENTO DAS 4A, 5A E 6A ANUIDADES.
CA2681772 AA	20090923	LSPB	+	published / reissued	
CA2681772 AA	20090923	LSES	+EEER	EXAMINATION REQUEST	
CA2681772 AA	20120319	LSLE	-FZDE	DEAD	
CN101641066 A	20100203	LSPB	+	published / reissued	
CN101641066 A	20100203	LSPB	+C06	PUBLICATION	

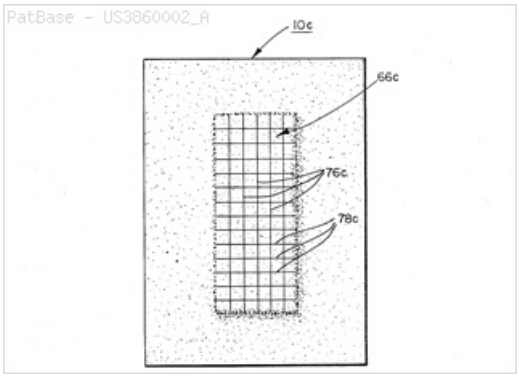
CN101641066 A	20100324		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101641066 A	20130227	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
EP2124860 A1	20091202	LSPB	+	published / reissued	
EP2124860 A1	20091202	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20090902
EP2124860 A1	20091202		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
EP2124860 A1	20100224	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20100121
EP2124860 A1	20100630		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2124860 A1	20110126	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20100803
IN05716DN2009 A	20100507	LSPB	+	published / reissued	
JP2010521248 T2	20100624	LSPB	+	published / reissued	
JP2010521248 T2	20101126	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	Text: JAPANESE INTERMEDIATE CODE: A761 Effective date: 20101125
MX2009010026 A1	20091012	LSPB	+	published / reissued	
US2008234649 AA	20080925	LSPB	+	published / reissued	
US7857801 BB	20070323	LSAS	AS	ASSIGNMENT	Owner: PROCTER & GAMBLE COMPANY, THE, OHIO OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:HAMALL, KENNETH MICHAEL;LAVON, GARY DEAN;SMITH, KEVIN MICHAEL;REEL/FRAME:019155/0544 PartyType: owner Effective date: 20070323
US7857801 BB	20101228	LSGT	+	granted / extensions (spc, cpc, pte)	
US7857801 BB	20140808		REMI	MAINTENANCE FEE REMINDER MAILED	
US7857801 BB	20141228	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7857801 BB	20150126	LSLE	PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7857801 BB	20150126	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	Text: PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7857801 BB	20150217	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	Effective date: 20141228
US7857801 BB	20290624	PEXP		Calculated Patent Term Expiry (PTA 824 days)	
WO08118713 A1	20080319	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 200880009595.X Country of Ref document: CN
WO08118713 A1	20081002	LSPB	+	published / reissued	
WO08118713 A1	20081126		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Kind code of Ref document: A1 Ref document number: 08744056 Country of Ref document: EP

WO08118713 A1	20090902	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2008744056 Country of Ref document: EP
WO08118713 A1	20090903	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 5716/DELNP/2009 Country of Ref document: IN
WO08118713 A1	20090914	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2009553843 Country of Ref document: JP
WO08118713 A1	20090918	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: MX/A/2009/010026 Country of Ref document: MX
WO08118713 A1	20090923	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Ref document number: 2681772 Country of Ref document: CA
WO08118713 A1	20090924	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE
WO08118713 A1	20140812	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Kind code of Ref document: A2 Ref document number: PI0808650 Effective date: 20090909 Country of Ref document: BR

81) Family number: 24050938 (US3860002 A)

Title: **ABSORBENT ARTICLES**

Abstract: An **absorbent article** includes an air-laid fibrous web having a medial portion of a greater basis weight than flanking end and side portions. The fibers forming one surface of the web are adhesively bonded together to provide an abrasion resistant, non-pilling, facing layer, and also to aid in maintaining the structural integrity of the web. The fibers forming the other surface of the web are either adhesively bonded together, or a separate backing sheet, preferably in the form of a water-proof plastic sheet, is adhered directly to the other surface of the web to form a stabilized backing layer. The above constructions are adapted for use as **disposable diapers**.



Classifications:
International (IPC 8-9): A61F13/15 A61F13/472 D01G25/00 D04H1/70 D04H1/72
International (IPC 1-7): A41B13/02 A61F13/16 A61F13/18 A61L B32B5/14 D04H1/40 D04H1/70 D21F1/76 D21H
CPC: A61F13/15658 A61F13/532 A61F13/53436 A61F2013/5326 Y10T428/24603 Y10T428/24612 Y10T428/24802 Y10T428/2905 Y10T442/2484 Y10T442/671 Y10T442/674
US: 128/284 19/148 425/82.1 428/171 428/172 428/195.1 428/360 442/118 442/392 442/394 604/365 604/373 604/375 604/380

Family:

Publication number	Publication date	Application number	Application date
AU197468712 A1	19751113	AU19740068712	19740508
BE814905 A	19741113	BE19741005946	19740513
CA1002304 A1	19761228	CA19740199120	19740507
DE2423175 A1	19741128	DE19742423175	19740513
FR2229383 A1	19741213	FR19740016705	19740514
FR2229383 B1	19780804	FR19740016705	19740514
IT1011417 A	19770120	IT19740050897	19740510
JP50018771 A2	19750227	JP19740053759	19740514
NL7406361 A	19741118	NL19740006361	19740510
US3860002 A	19750114	US19730360124	19730514
US4016628 A	19770412	US19740496622	19740812
USRE29789 E	19781003	US19750634826	19751120

Priority:
US19730360124 19730514 US19740496622 19740812

Probable Assignee: SCOTT PAPER CO
Assignee(s): (std): SCOTT PAPER CO ; SCOTT PAPER COMPANY ; SCOTT PAPER CY ; SCOTT PAPER CY US
Assignee(s): KOLBACH CHARLES G ; SCOTT PAPER CO INDUSTRIAL HIGHWAY AT TINICUM ISLAND ROAD PA V ST A
Inventor(s): (std): KOLBACH C G ; KOLBACH CHARLES C ; KOLBACH CHARLES G ; KOLBACH CHARLES GERARD
Inventor(s): CG KOLBACH ; CHARLES GERARD KOLBACH ; KOLBACH CHARLES GERARD MEDIA PA V ST A

Legal status (INPADOC)

View legal status timeline

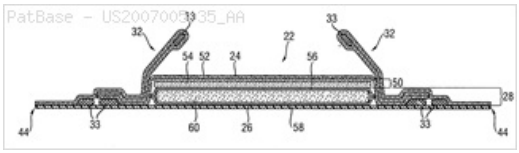
Patent	Date recorded	Event group	Code	Event	Details
AU197468712 A1	19751113	LSPB	+	published / reissued	
BE814905 A	19741113	LSPB	+	published / reissued	
CA1002304 A1					
DE2423175 A1	19741128	LSPB	+	published / reissued	
DE2423175 A1	19790301	LSLE	-OHJ	NON-PAYMENT OF THE ANNUAL FEE	
FR2229383 A1	19741213	LSPB	+	published / reissued	
FR2229383 B1	19780804	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2229383 B1	19790720	LSLE	-ST	NOTIFICATION OF LAPSE	
FR2229383 B1	19940514	PEXP		Calculated Patent Term Expiry	
IT1011417 A	19770120	LSGT	+	granted / extensions (spc, cpc, pte)	
IT1011417 A	19940510	PEXP		Calculated Patent Term Expiry	
JP50018771 A2	19750227	LSPB	+	published / reissued	
NL7406361 A	19741118	LSPB	+	published / reissued	
US3860002 A	19750114	LSGT	+	granted / extensions (spc, cpc, pte)	

82) Family number: 34064713 (US2007005035 AA)

Title: LAMINATE WITH INDICIA FOR AN **ABSORBENT** **ARTICLE**

Abstract: The present invention relates to laminates and to **absorbent** **articles**, such as **diapers** and sanitary napkins, and production methods thereof. Specifically, the present invention is directed to an **absorbent** **article** (20) comprising an **absorbent** core (28) which is covered by a liquid pervious topsheet (24) on the wearer facing side of the core (28) and a liquid impervious backsheet (26) on the garment facing side of the core (28), the liquid impervious backsheet (26) having a longitudinal centerline and a transverse centerline, the transverse centerline defining a front half of the liquid impervious backsheet (26) and a rear half of the liquid impervious backsheet (26), the liquid impervious backsheet (26) also having a garment-facing side and a wearer-facing side, the liquid impervious backsheet (26) comprising at least three layers, a first layer (210) being comprised by the wearer facing side of the liquid impervious backsheet (26) and a second layer (220) being comprised by the garment facing side of the liquid impervious backsheet (26), the first layer (210) comprising a wearer-facing surface and a garment facing surface, the garment facing surface of the first layer (210) of the liquid impervious backsheet (26) comprises at least first indicia (250), said first indicia (250) being present in the front half of the liquid impervious backsheet (26) and said first indicia (250) not being present in the rear half of the liquid impervious backsheet (26), the second layer (220) of the liquid impervious backsheet (26) is provided from a woven or non-woven material, the liquid impervious backsheet (26) comprising a third layer (230) which is provided from a woven or non-woven material and the third layer (230) being comprised by the front half of the backsheet (26) thereby partially but not fully covering the garment facing surface of the second layer (220) of the liquid impervious backsheet (26) and the third layer (230) partially covering said first indicia (250), wherein the second and the third layer (230) in combination are translucent as to allow such that said first indicia (250) comprised by said first layer (210) are visible through said second and third layer (230) when looking at the **absorbent** **article** from the garment facing side of liquid impervious backsheet (26). The present invention is also directed to a laminate (200) and to a method of providing a laminate (200) useful as a liquid impermeable backsheet for an **absorbent** **article**.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/51 A61F13/511 A61F13/514 A61F13/56 A61L15/58
CPC: A61F13/15772 A61F13/514 A61F13/51478 A61F13/5622 A61F2013/8497
US: 604/358 604/361 604/361P 604/365 604/365P 604/367 604/370 604/372 604/378 604/378S 604/385.01



Family:

Publication number	Publication date	Application number	Application date
DE602005041716 D1	20140102	DE200560041716T	20050629
EP1738729 A1	20070103	EP20050014021	20050629
EP1738729 B1	20131106	EP20050014021	20050629
US2007005035 AA	20070104	US20060477510	20060629
US2011213323 AA	20110901	US20110103486	20110509
US7982090 BB	20110719	US20060477510	20060629
US8632514 BB	20140121	US20110103486	20110509
WO07005242 A1	20070111	WO2006US23609	20060616

Priority:
EP20050014021 20050629 US20060477510 20060629 US20110103486 20110509

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): BORBACH MARKUS HERMANN ; PROCTER AND GAMBLE ; SNAUWAERT SOFIE GILBERTE ; VAN PAPPELENDAM ROBERT RENE

Assignee(s): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; THE PROCTER AND GAMBLE COMPANY

Inventor(s): (std): BORBACH MARKUS H ; BORBACH MARKUS HERMANN ; SNAUWAERT SOFIE G ; SNAUWAERT SOFIE GILBERTE ; VAN PAPPELENDAM ROBERT R ; VAN PAPPELENDAM ROBERT RENE ; VAN PAPPLENDAM ROBERT RENE

Inventor(s): BORBACH MARKUS ; SNAUWAERT SOFIE ; VAN PAPPELENDAM ROBERT

Agent(s): HEIDE UTE; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; THIBAULT; WILLIAM E

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 LA 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 RS 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
EP1738729 A1	20070103	LSPB	+	published / reissued	
EP1738729 A1	20070103		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1738729 A1	20070103		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA HR LV MK YU
EP1738729 A1	20070228	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20070118
EP1738729 A1	20070905	LSFE	+AKX	DESIGNATION FEES PAID	Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1738729 A1	20080702	LSES	+17Q	FIRST	Effective date: 20080603

				EXAMINATION REPORT DESPATCHED	
EP1738729 A1	20130619	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20130523
EP1738729 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 12 Payment date: 20160525 Country of Ref document: GB
EP1738729 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 12 Payment date: 20160629 Country of Ref document: DE
EP1738729 B1	20131106	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1738729 B1	20131106		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1738729 B1	20131106	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP1738729 B1	20131115	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP1738729 B1	20131215	LSNP	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20131215 Ref document number: 638910 Kind code of Ref document: T Ref country code: AT Ref legal event code: REF Country of Ref document: AT
EP1738729 B1	20131218	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: IE
EP1738729 B1	20140102	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R096 Effective date: 20140102 Ref document number: 602005041716 Ref country code: DE Country of Ref document: DE
EP1738729 B1	20140312	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: NL Effective date: 20131106 Ref legal event code: VDEP
EP1738729 B1	20140315	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MK05 Effective date: 20131106 Kind code of Ref document: T Ref document number: 638910 Ref country code: AT Country of Ref document: AT
EP1738729 B1	20140425	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MG4D Ref country code: LT
EP1738729 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20131106 Country of Ref document: FI
EP1738729 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131106 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SE
EP1738729 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140306 Country of Ref document: IS

				NATIONAL OFFICE TO EPO]	
EP1738729 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20131106 Country of Ref document: NL
EP1738729 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20131106 Country of Ref document: LT
EP1738729 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131106 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP1738729 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20131106 Country of Ref document: AT
EP1738729 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20131106 Country of Ref document: BE
EP1738729 B1	20140630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140306 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP1738729 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20131106 Country of Ref document: EE
EP1738729 B1	20140807	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R097 Ref document number: 602005041716 Ref country code: DE Country of Ref document: DE
EP1738729 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131106 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP1738729 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131106 Country of Ref document: PL
EP1738729 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131106 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP1738729 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131106 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP1738729 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20131106 Country of Ref document: IT
EP1738729 B1	20140829	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20140527 Year of fee payment: 10 Country of Ref document: FR
EP1738729 B1	20140930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20131106 Country of Ref document: DK
EP1738729 B1	20141015	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20140807
EP1738729 B1	20141113	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref legal event code: R097 Ref document number: 602005041716 Effective date: 20140807 Country of Ref document: DE
EP1738729 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140629 Country of Ref document: LU
EP1738729 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20131106 Country of Ref document: MC
EP1738729 B1	20150130	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PL Ref country code: CH
EP1738729 B1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	Lapsed date: 20131106 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Country of Ref document: SI
EP1738729 B1	20150325	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MM4A Ref country code: IE
EP1738729 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20140630 Country of Ref document: LI
EP1738729 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140630 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP1738729 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20140629 Country of Ref document: IE
EP1738729 B1	20160401	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Effective date: 20160229 Ref legal event code: ST
EP1738729 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20150630 Country of Ref document: FR
EP1738729 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131106 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BG
EP1738729 B1	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131106 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CY
EP1738729 B1	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140207 Country of Ref document: GR
EP1738729 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO	Lapsed date: 20131106 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR

				EPO]	
EP1738729 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Lapsed date: 20050629 Country of Ref document: HU
EP1738729 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 13 Payment date: 20170628 Country of Ref document: GB
EP1738729 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 13 Payment date: 20170621 Country of Ref document: DE
EP1738729 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 14 Payment date: 20180619 Country of Ref document: DE
EP1738729 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180627 Year of fee payment: 14 Country of Ref document: GB
EP1738729 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 15 Payment date: 20190618 Country of Ref document: DE
EP1738729 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 15 Payment date: 20190626 Country of Ref document: GB
EP1738729 B1	20200731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20200617 Year of fee payment: 16 Country of Ref document: DE
EP1738729 B1	20250629	PEXP		Calculated Patent Term Expiry	
US2007005035 AA	20070104	LSPB	+	published / reissued	
US2007005035 AA	20110629	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US2011213323 AA	20110901	LSPB	+	published / reissued	
US2011213323 AA	20131231	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US7982090 BB	20060629	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:SNAUWAERT, SOFIE GILBERTE;VAN PAPPELENDAM, ROBERT RENE;BORBACH, MARKUS

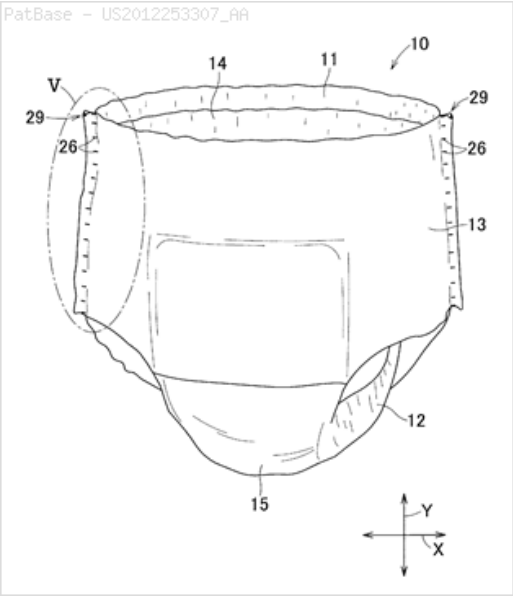
					HERMANN;REEL/FRAME:018070/0683;SIGNING DATES FROM 20050718 TO 20051115 Owner: PROCTER & GAMBLE COMPANY, THE, OHIO
US7982090 BB	20060629	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:SNAUWAERT, SOFIE GILBERTE;VAN PAPPELENDAM, ROBERT RENE;BORBACH, MARKUS HERMANN;SIGNING DATES FROM 20050718 TO 20051115;REEL/FRAME:018070/0683 Owner: PROCTER & GAMBLE COMPANY, THE, OHIO
US7982090 BB	20110629	LSGT	PAT1	Patented Case	
US7982090 BB	20110719	LSGT	+	granted / extensions (spc, cpc, pte)	
US7982090 BB	20141229	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US7982090 BB	20190103	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	Year of fee payment: 8
US7982090 BB	20280317	PEXP		Calculated Patent Term Expiry (PTA 627 days)	
US8632514 BB	20131231	LSGT	PAT1	Patented Case	
US8632514 BB	20140121	LSGT	+	granted / extensions (spc, cpc, pte)	
US8632514 BB	20140527	LSRE	CC	CERTIFICATE OF CORRECTION	
US8632514 BB	20170706	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US8632514 BB	20320712	PEXP		Calculated Patent Term Expiry (PTA 430 days)	
WO07005242 A1	20070111	LSPB	+	published / reissued	
WO07005242 A1	20070418		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	
WO07005242 A1	20080101	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE
WO07005242 A1	20080723	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	Kind code of Ref document: A1 Ref document number: 06773420 Country of Ref document: EP

83) Family number: 49180037 (US2012253307 AA)

Title: PANT-TYPE **DISPOSABLE** WEARING **ARTICLE**

Abstract: A pant-type **disposable** wearing **article** includes at least one waist region of front and rear waist regions, which includes an inner sheet lying on the skin-facing side and an outer sheet lying on the non-skin-facing side. The inner sheet has a contractile force higher than that of the outer sheet at least in the transverse direction X. Opposite lateral sections of the inner sheet and opposite lateral sections of the outer sheet are permanently bonded together and extend outward in the transverse direction X from arrays of side seam spots to form front flaps and rear flaps defining protruding rims. The front flaps and the rear flaps are curled inwardly. This **article** is improved so that opposite side edges do not irritate a wearer's skin even if the wearer's skin comes in contact with these side edges and, in addition, good appearance from a lateral view is assured.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/496 A61L15/58
CPC: A61F13/4963
US: 1/1 604/365 604/385.01



Family:

Publication number	Publication date	Application number	Application date
CN102686199 A	20120919	CN201080059649	20101227
CN102686199 B	20140723	CN201080059649	20101227
DE602010025360 D1	20150730	DE201060025360T	20101227
EP2519209 A1	20121107	EP20100840778	20101227
EP2519209 A4	20140611	EP20100840778	20101227
EP2519209 B1	20150617	EP20100840778	20101227
JP2011136090 A2	20110714	JP20090298963	20091228
JP5346277 B2	20131120	JP20090298963	20091228
KR101600656 B1	20160307	KR20127019554	20101227
KR20120099290 A	20120907	KR20127019554	20101227
TW201134460 A	20111016	TW20100146118	20101227
TWI519285 B	20160201	TW20100146118	20101227
US2012253307 AA	20121004	US20100515411	20101227
US9060903 BB	20150623	US20100515411	20101227
WO11080919 A1	20110707	WO2010JP07573	20101227

Priority:
JP20090298963 20091228 WO2010JP07573 20101227 EP20100840778 20101227

Probable Assignee: UNICHARM CORP

Assignee(s): (std): HASHIMOTO TATSUYA ; OTSUBO TOSHIFUMI ; TAKEUCHI MARIKO ; UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CO LTD ; UNICHARM CORP SHIKOKUCHUO SHI ; UNICHARM CORPORATION ; ユニ チャーム株式会社 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司 ; 유니참 가부시키가이샤

Inventor(s): (std): HASHIMOTO TATSUYA ; MARIKO TAKEUCHI ; OTSUBO TOSHIBUMI ; OTSUBO TOSHIFUMI ; TAKEUCHI MARIKO ; TATSUYA HASHIMOTO ; TOSHIFUMI OTSUBO

Inventor(s): 大坪 俊文 ; 桥本达也 ; 橋本 達也 ; 竹内真里子 ; 竹内 まり子 ; 竹内毬子 ; 다케우치 마리코 ; 오츠보 도시후미 ; 하시모토 다츠야

Agent(s): EKE PHILIPPA DIANNE; LOWE HAUPTMAN AND HAM LLP; PATENTANWAELTE STREHL SCHUEBEL HOPF AND PARTNER; SHIRAHAMA YOSHIHARU ET AL; 中国国际贸易促进委员会专利商标事务所 11038; 林志剛; 白浜 吉治; 白浜 秀二; 董敏; 齋藤 博子; 강승옥; 김태홍; 송승필

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN102686199 A	20120919	LSPB	+	published /	

				reissued	
CN102686199 A	20120919	LSPB	+C06	PUBLICATION	
CN102686199 A	20121219		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN102686199 B	20140723	LSGT	+	granted / extensions (spc, cpc, pte)	
CN102686199 B	20140723	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN102686199 B	20301227	PEXP		Calculated Patent Term Expiry	
DE602010025360 D1	20140430		R079	AMENDMENT OF IPC MAIN CLASS	ClassificationSymbol: A61F0013496000 Text: PREVIOUS MAIN CLASS: A61F0013496000 ClassificationScheme: IPC
EP2519209 A1	20121107	LSPB	+	published / reissued	
EP2519209 A1	20121107	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20120521
EP2519209 A1	20121107		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2519209 A1	20130403		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2519209 A1	20140604		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALI20140430BHEP
EP2519209 A1	20140604		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/49 20060101ALI20140430BHEP
EP2519209 A1	20140604		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/496 20060101AFI20140430BHEP
EP2519209 A1	20160129	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20151223 Year of fee payment: 6 Country of Ref document: GB
EP2519209 A1	20160229	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20151110 Year of fee payment: 6 Country of Ref document: NL
EP2519209 A1	20160229	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20151211 Year of fee payment: 6 Country of Ref document: SE
EP2519209 A1	20160229	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20151110 Year of fee payment: 6 Country of Ref document: FR
EP2519209 A1	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20151222 Year of fee payment: 6 Country of Ref document: DE
EP2519209 A4	20140611	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20140509
EP2519209 A4	20150121	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20150108
EP2519209 A4	20150211	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20150115
EP2519209 B1	20150617	LSGT	+	granted / extensions (spc, cpc, pte)	

EP2519209 B1	20150617		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2519209 B1	20150617	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP2519209 B1	20150630	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP2519209 B1	20150715	LSNP	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20150715 Ref legal event code: REF Kind code of Ref document: T Ref document number: 731485 Ref country code: AT Country of Ref document: AT
EP2519209 B1	20150729	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP2519209 B1	20150730	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602010025360 Ref legal event code: R096 Country of Ref document: DE
EP2519209 B1	20150825		REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: TRGR
EP2519209 B1	20150826	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: T3 Ref country code: NL
EP2519209 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150917 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NO
EP2519209 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: HR
EP2519209 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LT
EP2519209 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150617 Country of Ref document: FI
EP2519209 B1	20151110	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Year of fee payment: 6 Ref legal event code: PLFP Country of Ref document: FR
EP2519209 B1	20151115	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MK05 Effective date: 20150617 Kind code of Ref document: T Ref country code: AT Ref document number: 731485 Country of Ref document: AT
EP2519209 B1	20151125	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: LT Ref legal event code: MG4D
EP2519209 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150918 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP2519209 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150917 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BG
EP2519209 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RS
EP2519209 B1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LV
EP2519209 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150617 Country of Ref document: EE
EP2519209 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP2519209 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP2519209 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP2519209 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: RO
EP2519209 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20151017 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP2519209 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL
EP2519209 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP2519209 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20151019 Country of Ref document: PT
EP2519209 B1	20160318	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602010025360 Ref country code: DE Ref legal event code: R097 Country of Ref document: DE
EP2519209 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				OFFICE TO EPO]	Country of Ref document: DK
EP2519209 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP2519209 B1	20160525	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20160318
EP2519209 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20151231 Country of Ref document: BE
EP2519209 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20151227 Country of Ref document: LU
EP2519209 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150617 Country of Ref document: MC
EP2519209 B1	20160729	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PL Ref country code: CH
EP2519209 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP2519209 B1	20160921	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP2519209 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20151231 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP2519209 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20151227 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP2519209 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20151231 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LI
EP2519209 B1	20161111	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PLFP Ref country code: FR Year of fee payment: 7 Country of Ref document: FR
EP2519209 B1	20161230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BE
EP2519209 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161220 Year of fee payment: 7 Country of Ref document: DE
EP2519209 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL	Payment date: 20161110 Year of fee payment: 7 Country of Ref document: NL

				OFFICE TO EPO]	
EP2519209 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161111 Year of fee payment: 7 Country of Ref document: FR
EP2519209 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161221 Year of fee payment: 7 Country of Ref document: GB
EP2519209 B1	20170228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20161213 Country of Ref document: SE
EP2519209 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150617 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SM
EP2519209 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20101227 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Country of Ref document: HU
EP2519209 B1	20170630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150617 Country of Ref document: CY
EP2519209 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150617 Country of Ref document: MT
EP2519209 B1	20171113	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: PLFP Year of fee payment: 8
EP2519209 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171115 Year of fee payment: 8 Country of Ref document: NL
EP2519209 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171113 Year of fee payment: 8 Country of Ref document: FR
EP2519209 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171213 Year of fee payment: 8 Country of Ref document: SE
EP2519209 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 8 Payment date: 20171227 Country of Ref document: GB
EP2519209 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 8 Payment date: 20171220 Country of Ref document: DE
EP2519209 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150617 Country of Ref document: MK
EP2519209 B1	20180629	LSLE	-PG25	LAPSED IN A	NotificationOfLapse: LAPSE

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150617 Country of Ref document: TR
EP2519209 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150617 Country of Ref document: AL
EP2519209 B1	20181231	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20181114 Year of fee payment: 9 Country of Ref document: NL
EP2519209 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20181211 Country of Ref document: SE
EP2519209 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20181211 Year of fee payment: 9 Country of Ref document: DE
EP2519209 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20181227 Year of fee payment: 9 Country of Ref document: GB
EP2519209 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20181122 Country of Ref document: FR
EP2519209 B1	20200131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20191114 Year of fee payment: 10 Country of Ref document: NL
EP2519209 B1	20200131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20191217 Year of fee payment: 10 Country of Ref document: DE
EP2519209 B1	20200131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 10 Payment date: 20191210 Country of Ref document: SE
EP2519209 B1	20200228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 10 Payment date: 20191115 Country of Ref document: FR
EP2519209 B1	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20191223 Year of fee payment: 10 Country of Ref document: GB
EP2519209 B1	20301227	PEXP		Calculated Patent Term Expiry	
JP2011136090 A2	20110714	LSPB	+	published / reissued	
JP2011136090 A2	20121204	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A621 Effective date: 20121203
JP2011136090 A2	20130716	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2011136090 A2	20130724	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20130723 Text: JAPANESE INTERMEDIATE CODE: A01

JP2011136090 A2	20130822	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective date: 20130816 Text: JAPANESE INTERMEDIATE CODE: A61
JP5346277 B2	20130725	LSGT	+A01	特許査定書	
JP5346277 B2	20130725	LSGT	+A01	特許査定書	Effective date: 20130723
JP5346277 B2	20130820	LSFE	R100	特許料納付書	
JP5346277 B2	20130820	LSFE	R100	特許料納付書	Effective date: 20130816 Text: 51301720076
JP5346277 B2	20130823	LSGT	+R150	特許証	
JP5346277 B2	20130823	LSGT	+R150	特許証	Effective date: 20130903
JP5346277 B2	20131120	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5346277 B2	20160714	LSFE	R20	特許料納付書	
JP5346277 B2	20160714	LSFE	R20	特許料納付書	Effective date: 20160711 Text: 51601453954
JP5346277 B2	20160726	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5346277 B2	20160726	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5346277 B2	20160726	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20160802
JP5346277 B2	20170713	LSFE	R20	特許料納付書	
JP5346277 B2	20170713	LSFE	R20	特許料納付書	Effective date: 20170711 Text: 51701473729
JP5346277 B2	20170725	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5346277 B2	20170725	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5346277 B2	20170725	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20170801
JP5346277 B2	20180712	LSFE	R20	特許料納付書	
JP5346277 B2	20180712	LSFE	R20	特許料納付書	Text: 51801425417 Effective date: 20180710
JP5346277 B2	20180724	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5346277 B2	20180724	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5346277 B2	20180724	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20180731
JP5346277 B2	20190711	LSFE	R20	特許料納付書	
JP5346277 B2	20190711	LSFE	R20	特許料納付書	Effective date: 20190710 Text: 51901470177
JP5346277 B2	20190723	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5346277 B2	20190723	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5346277 B2	20190723	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20190802
JP5346277 B2	20200710	LSFE	R20	特許料納付書	Effective date: 20200709 Text: 52001411010
JP5346277 B2	20200713	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5346277 B2	20200713	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20200807
JP5346277 B2	20291228	PEXP		Calculated Patent Term Expiry	
KR101600656 B1	20160307	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101600656 B1	20190219	LSFE	FPAY	ANNUAL FEE PAYMENT	Year of fee payment: 4 Payment date: 20190219
KR101600656 B1	20200219	LSFE	FPAY	ANNUAL FEE PAYMENT	Payment date: 20200219 Year of fee payment: 5
KR101600656 B1	20301227	PEXP		Calculated Patent Term Expiry	
KR20120099290 A	20120907	LSPB	+	published / reissued	
KR20120099290 A	20151105	LSES	A201	REQUEST FOR EXAMINATION	

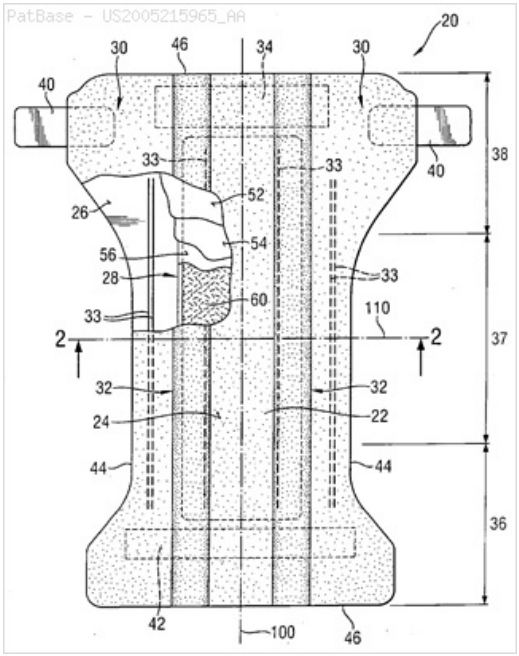
KR20120099290 A	20151105	LSES	A302	REQUEST FOR ACCELERATED EXAMINATION
KR20120099290 A	20160104	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT

84) Family number: 32277063 (US2005215965 AA)

Title: HYDROPHILIC NONWOVENS WITH LOW RETENTION CAPACITY COMPRISING CROSS-LINKED HYDROPHILIC POLYMERS

Abstract: The present invention relates to hydrophilic synthetic nonwoven webs. At least a region of 1 cm by 1 cm comprised by the web of the invention comprises cross-linked hydrophilic polymers and has a retention capacity of less than 100 g of aqueous liquid per m^2 of the nonwoven fibrous web. Moreover, the invention relates to a method for making such nonwoven webs. Furthermore, the invention also relates to **absorbent articles** comprising the nonwoven webs comprising cross-linked hydrophilic polymers.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49 A61F13/511 A61F13/53 A61F5/44 B29C71/04 B32B27/00 D04H1/42 D04H1/54 D04H13/00 D04H3/00 D04H3/16 D06M10/00 D06M10/02 D06M101/18 D06M101/32 D06M14/18 D06M14/28 D06M15/263
International (IPC 1-7): A61F13/15 A61F13/20 D06M14/18 D06M14/28
CPC: A61F13/15804 A61F13/51305 A61F13/5376 A61F2013/15512 D06M14/28 D06M2200/00 A61F13/15203 A61F13/15577 A61F13/51121 A61F13/53 D04H1/4291 D04H1/435 D04H1/4374 D04H1/4382 Y10T442/2484
US: 427/595 427/595S 442/118 442/118S 604/358 604/358P 604/367 604/367P 604/367S 604/372 604/372S 604/378 604/378S



Family:

Publication number	Publication date	Application number	Application date
CN100482883 C	20090429	CN200580009017	20050328
CN1934306 A	20070321	CN200580009017	20050328
EP1730345 A1	20061213	EP20050730814	20050328
JP2007531830 T2	20071108	JP20070505277T	20050328
JP4489803 B2	20100623	JP20070505277T	20050328
US2005215965 AA	20050929	US20050089272	20050324
US2011015602 AA	20110120	US20100892265	20100928
WO05095705 A1	20051013	WO2005US10464	20050328

Priority:

US20040557171P 20040329 US20050089272 20050324 WO2005US10464 20050328 US20100892265 20100928

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): CARRARA GIOVANNI ; GOLDMAN STEPHEN ALLEN ; PONOMARENKO EKATERINA ANATOLYE ; PONOMARENKO EKATERINA ANATOLYEVNA ; PROCTER AND GAMBLE ; SCHMIDT MATTIAS

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): CARRARA GIOVANNI ; GIOVANNI CARRARA ; GOLDMAN STEPHEN A ; GOLDMAN STEPHEN ALLEN ; MATTIAS SCHMIDT ; PONOMARENKO EKATERINA A ; PONOMARENKO EKATERINA ANATOLYE ; PONOMARENKO EKATERINA ANATOLYEVNA ; SCHMIDT MATTIAS ; SCHMIDT MATTIAS GOLDMAN STEPHE

Inventor(s): GOLDMAN STEPHEN ; PONOMARENKO EKATERINA ; SCHMIDT MATTIAS GOLDMAN STEPHEN A ; エカテリーナ アナトリエフナ ポノマレンコ ; ジョバンニ カラーラ ; スティーブン アレン ゴールドマン ; マティアス シュミット ; 乔万尼·卡拉拉 ; 埃凯特里纳·A·波诺马伦科 ; 斯蒂芬·A·戈德曼 ; 马赛厄斯·施密特

Agent(s): PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP; 中村 行孝; 北京市柳沈律师事务所; 吉武 賢次; 封新琴; 巫肖南; 横田 修孝; 紺野 昭男; 高村 雅晴

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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN100482883 C	20090429	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100482883 C	20090429	LSGT	+C14	GRANT OF PATENT	

				OR UTILITY MODEL	
CN100482883 C	20130522	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN100482883 C	20250328	PEXP		Calculated Patent Term Expiry	
CN1934306 A	20070321	LSPB	+	published / reissued	
CN1934306 A	20070321	LSPB	+C06	PUBLICATION	
CN1934306 A	20070516		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
EP1730345 A1	20061213	LSPB	+	published / reissued	
EP1730345 A1	20061213	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20060921
EP1730345 A1	20061213		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR
EP1730345 A1	20070704		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP1730345 A1	20100224	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20100125
EP1730345 A1	20121212	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20120612
JP2007531830 T2	20071108	LSPB	+	published / reissued	
JP2007531830 T2	20081208		A977	REPORT ON RETRIEVAL	Effective date: 20081208 Text: JAPANESE INTERMEDIATE CODE: A971007
JP2007531830 T2	20081215	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20081212 Text: JAPANESE INTERMEDIATE CODE: A131
JP2007531830 T2	20090228		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20090227 Text: JAPANESE INTERMEDIATE CODE: A601
JP2007531830 T2	20090309		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Effective date: 20090306 Text: JAPANESE INTERMEDIATE CODE: A602
JP2007531830 T2	20090529	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20090528 Text: JAPANESE INTERMEDIATE CODE: A523
JP2007531830 T2	20090617	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20090616 Text: JAPANESE INTERMEDIATE CODE: A131
JP2007531830 T2	20090917	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20090916 Text: JAPANESE INTERMEDIATE CODE: A523
JP2007531830 T2	20091007	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20091006 Text: JAPANESE INTERMEDIATE CODE: A131
JP2007531830 T2	20100107		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20100106 Text: JAPANESE INTERMEDIATE CODE: A601
JP2007531830 T2	20100115		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Effective date: 20100114 Text: JAPANESE INTERMEDIATE CODE: A602
JP2007531830 T2	20100209		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20100208 Text: JAPANESE INTERMEDIATE CODE: A601
JP2007531830 T2	20100216	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20100215 Text: JAPANESE INTERMEDIATE CODE: A523
JP2007531830 T2	20100217		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Effective date: 20100216 Text: JAPANESE INTERMEDIATE CODE: A602
JP2007531830 T2	20100226	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2007531830 T2	20100303	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20100302 Text: JAPANESE INTERMEDIATE CODE: A01

JP2007531830 T2	20100304	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Text: JAPANESE INTERMEDIATE CODE: A01
JP2007531830 T2	20100408	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective date: 20100331 Text: JAPANESE INTERMEDIATE CODE: A61
JP2007531830 T2	20100409	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	Year of fee payment: 3
JP4489803 B2	20100623	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4489803 B2	20130409	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP4489803 B2	20250328	PEXP		Calculated Patent Term Expiry	
US2005215965 AA	20050519	LSAS	AS	ASSIGNMENT	OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:SCHMIDT, MATTIAS;GOLDMAN, STEPHEN ALLEN;CARRARA, GIOVANNI;AND OTHERS;REEL/FRAME:016253/0714;SIGNING DATES FROM 20040331 TO 20040526 Owner: PROCTER & GAMBLE COMPANY, THE, OHIO PartyType: owner
US2005215965 AA	20050929	LSPB	+	published / reissued	
US2005215965 AA	20120306	LSWD	ABD1	Abandoned -- After Examiner's Answer or Board of Appeals Decision	
US2005215965 AA	20120306		-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	Text: ABANDONED -- AFTER EXAMINER'S ANSWER OR BOARD OF APPEALS DECISION
US2011015602 AA	20110120	LSPB	+	published / reissued	
US2011015602 AA	20140320	LSWD	ABD3	Abandoned -- Failure to Respond to an Office Action	
US2011015602 AA	20140320		-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	Text: ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
WO05095705 A1	20051013	LSPB	+	published / reissued	
WO05095705 A1	20051013		+AK	DESIGNATED STATES	Kind code of Ref document: A1 Country of Ref document: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
WO05095705 A1	20051013		+AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS	Kind code of Ref document: A1 Country of Ref document: AM AT AZ BE BF BG BJ BY CF CG CH CI CM CY CZ DE DK EE ES FI FR GA GB GM GN GQ GR GW HU IE IS IT KE KG KZ LS LT LU MC MD ML MR MW MZ NA NE NL PL PT RO RU SD SE SI SK SL SN SZ TD TG TJ TM TR TZ UG ZM ZW
WO05095705 A1	20051207		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	
WO05095705 A1	20060920	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 200580009017.2 Country of Ref document: CN
WO05095705 A1	20060921	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2007505277 Country of Ref document: JP
WO05095705 A1	20060921	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2005730814 Country of Ref document: EP
WO05095705 A1	20060926	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: PA/a/2006/011056 Country of Ref document: MX
WO05095705 A1	20060930	LSNE	NENP	NON-ENTRY INTO	Ref country code: DE

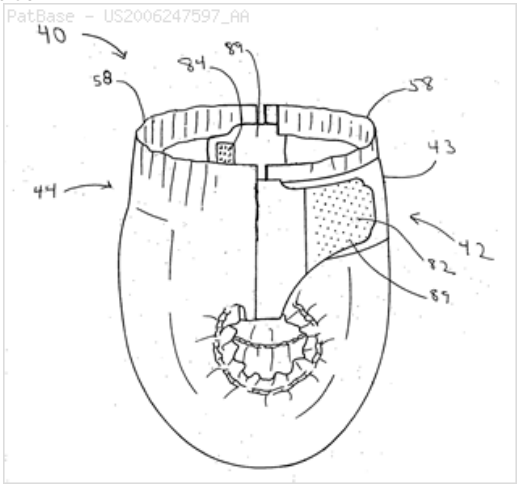
				THE NATIONAL PHASE	
WO05095705 A1	20060930	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	Text: DE
WO05095705 A1	20061213	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	Ref document number: 2005730814 Country of Ref document: EP

85) Family number: 33585803 (US2006247597 AA)

Title: GARMENT WITH A REVERSIBLE FASTENING SYSTEM

Abstract: A reversible fastening system allows an **absorbent** **article** to be fastened in a first condition, with a pair of first fasteners engaging the garment facing surface of a first waist region. Alternatively, the **absorbent** **article** may be fastened in a second condition, with a pair of second fasteners engaging the garment facing surface of a second waist region. The first condition can be generally viewed as the "reverse" of the second condition.

Classifications:
International (IPC 8-9): A61F13/15
CPC: A61F13/5638 A61F13/5644 A61F13/622 A61F2013/8497
US: 604/391 604/391P



Family:

Publication number	Publication date	Application number	Application date
US2006247597 AA	20061102	US20050117902	20050429

Priority:
US20050117902 20050429

Probable Assignee:	KIMBERLY CLARK CORP
Assignee(s): (std):	KIMBERLY CLARK CO
Assignee(s):	KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC
Inventor(s): (std):	HOGAN CYNTHIA L ; ZENKER DAVID L
Inventor(s):	HOGAN CYNTHIA ; ZENKER DAVID
Agent(s):	KIMBERLY CLARK WORLDWIDE INC

Legal status (INPADOC)

View legal status timeline

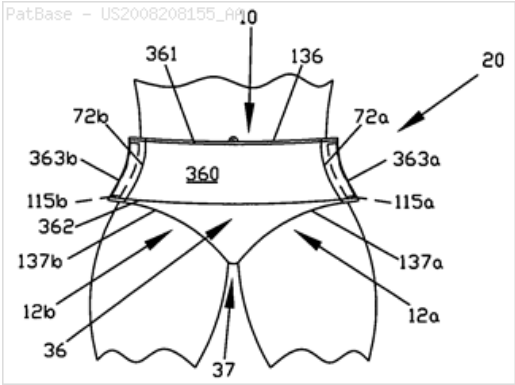
Patent	Date recorded	Event group	Code	Event	Details
US2006247597 AA	20050429	LSAS	AS	ASSIGNMENT	PartyType: owner OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:HOGAN, CYNTHIA L.;ZENKER, DAVID L.;REEL/FRAME:016518/0218;SIGNING DATES FROM 20050428 TO 20050429 Owner: KIMBERLY-CLARK WORLDWIDE, INC., WISCONSIN
US2006247597 AA	20061102	LSPB	+	published / reissued	
US2006247597 AA	20100903	LSWD	ABD3	Abandoned -- Failure to Respond to an Office Action	
US2006247597 AA	20100903		-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	Text: ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION

86) Family number: 42118472 (US2008208155 AA)

Title: **DIAPER** HAVING ABDOMINAL STRETCH PANELS

Abstract: A **disposable** **absorbent** **article** including a chassis and an **absorbent** assembly in combination with abdominal stretch panels extending circumferentially around the waist of the wearer. The chassis includes a water-impermeable backsheet that may be folded laterally inward at both of its side edges to form opposing side flaps. Each side flap is attached to the interior surface of the chassis adjacent to its end edges. Each side flap has a longitudinally extending elastic gathering member attached adjacent to its proximal edge. The chassis may include an extensible formed web material. The **absorbent** assembly may be attached in a cruciform pattern to the chassis to allow unattached portions of the chassis to extend laterally. Frangible tear lines and/or tear locator lines may be formed to facilitate removal of the **article** from the wearer.

Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/49 A61F13/494 A61F13/535 A61F13/539 A61L15/16
International (IPC 1-7): A61F13/15
CPC: A61F13/49012 A61F13/49015 A61F13/49017 A61F13/49413 A61F13/535 A61F13/539 A61F2013/49087 A61F2013/4948 A61F2013/53051 A61F2013/53908 A61F2013/5395
US: 1/1 604/365 604/378 604/385.3 604/385.300P



Family:

Publication number	Publication date	Application number	Application date
AR065413 AA	20090603	AR2008P100708	20080221
AU2008218557 AA	20080828	AU20080218557	20080221
BRPI0807002 A2	20180925	BR2008PI07002	20080221
CA2679100 AA	20090824	CA20082679100	20080221
CL2008000543 A1	20080829	CL20080000543	20080222
CN101621976 A	20100106	CN200880006076	20080221
CN101621976 B	20140507	CN200880006076	20080221
EP2112917 A2	20091104	EP20080710119	20080221
IN05040DN2009 A	20100305	IN2009DN05040	20090803
JP2010517658 T2	20100527	JP20090548795T	20080221
MX2009009001 A1	20090902	MX20090009001	20080221
MX337691 B	20160314	MX20090009001	20080221
RU2009127327 A	20110327	RU20090127327	20080221
RU2448669 C2	20120427	RU20090127327	20080221
US2008208155 AA	20080828	US20070709500	20070222
US2015164707 AA	20150618	US20150596689	20150114
US2017156942 AA	20170608	US20170440582	20170223
WO08102314 A2	20080828	WO2008IB50631	20080221
WO08102314 A3	20081127	WO2008IB50631	20080221
ZA200905298 A	20100526	ZA20090005298	20090729

Priority:

US20070709500 20070222 WO2008IB50631 20080221 US20150596689 20150114 US20170440582 20170223

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): HENRICH THOMAS ; LAVON GARY DEAN ; PROCTER AND GAMBLE ; SMITH KEVIN MICHAEL

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ (US) ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): DEAN LAVON GARY ; GARY DEAN LAVON ; GENRIKH TOMAS ; HENRICH THOMAS ; KEVIN MICHAEL SMITH ; LAVON GARRI DIN ; LAVON GARY DEAN ; LAVON GARY DEAN HENRICH THOMAS ; MICHAEL SMITH KEVIN ; SMIT KEVIN MISHEL ; SMITH KEVIN MICHAEL ; THOMAS HENRICH

Inventor(s): LAVON GARY ; LAVON GARY DEAN HENRICH THOMAS SMITH KEVIN MICHAEL ; SMIT KEVIN MISHEL' ; ГЕНРИХ ТОМАС ; ГЕНРИХ Томас (US) ; ЛАВОН ГАРРИ ДИН ; ЛАВОН Гарри Дин (US) ; СМИТ КЕВИН МИШЕЛЬ ; СМИТ Кевин Мишель (US) ; ケビン マイケル スミス ; ゲアリー ディーン ラボン ; トーマス ヘンリッチ ; 凯文 M 史密斯 ; 凯文·M·史密斯 ; 加里 D 拉冯 ; 加里·D·拉冯 ; 托马斯 亨里克 ; 托马斯·亨里克

Agent(s): DIMOCK STRATTON LLP; GRIFFITH HACK; KREMER VERONIQUE MARIE JOSEPHINE; LLOVET; NAGAI HIROSHI; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; THE PROCTER AND GAMBLE COMPANY; WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WILSON LUE LLP; 勝沼 宏仁; 北京市柳沈律师事务所; 北京市柳沈律师事务所 11105; 吉武 賢次; 大野 浩之; 封新琴; 岡田 淳平; 永井 浩之; 磯貝 克臣

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details

AR065413 AA	20090603	LSPB	+	published / reissued	
AU2008218557 AA	20080828	LSPB	+	published / reissued	
AU2008218557 AA	20120412	LSLE	-MK5	APPLICATION LAPSED SECTION 142(2)(E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED	
BRPI0807002 A2	20181030	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE AS 8A, 9A E 10A ANUIDADES.
BRPI0807002 A2	20190319	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2495 DE 30-10-2018 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
CA2679100 AA	20090824	LSPB	+	published / reissued	
CA2679100 AA	20090824	LSES	+EEER	EXAMINATION REQUEST	
CA2679100 AA	20120221	LSLE	-FZDE	DEAD	
CL2008000543 A1	20080829	LSPB	+	published / reissued	
CN101621976 A	20100106	LSPB	+	published / reissued	
CN101621976 A	20100106	LSPB	+C06	PUBLICATION	
CN101621976 A	20100106	LSPB	PB01	公开	Text: 公开 (Disclosure)
CN101621976 A	20100303		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101621976 A	20100303		SE01	实质审查请求的生效	Text: 实质审查的生效 (Force of substantive review)
CN101621976 B	20140507	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101621976 B	20140507	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101621976 B	20140507	LSGT	+GR01	授权	Text: 授权 (Authorization)
CN101621976 B	20190215	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN101621976 B	20190215	LSLE	-CF01	未缴年费专利权终止	Effective date: 20180221 Text: 专利权的终止 (Termination of Patent Right)
CN101621976 B	20280221	PEXP		Calculated Patent Term Expiry	
EP2112917 A2	20091104	LSPB	+	published / reissued	
EP2112917 A2	20091104	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20090722
EP2112917 A2	20091104		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
EP2112917 A2	20091223	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20091124
EP2112917 A2	20120307	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20110901
IN05040DN2009 A	20100305	LSPB	+	published /	

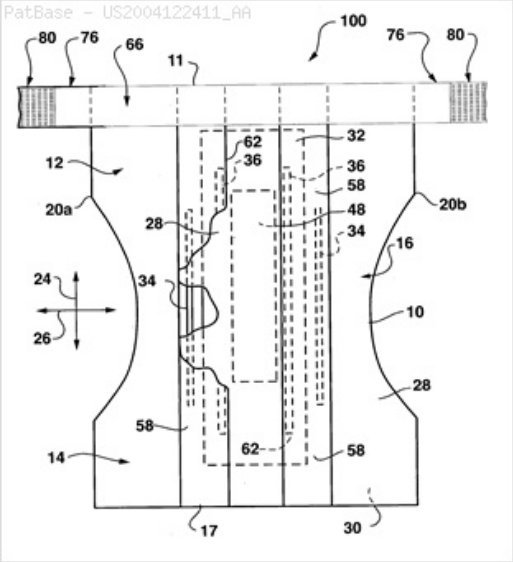
				reissued	
JP2010517658 T2	20100527	LSPB	+	published / reissued	
JP2010517658 T2	20101127	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	Text: JAPANESE INTERMEDIATE CODE: A761 Effective date: 20101126

87) Family number: 30670075 (US2004122411 AA)

Title: **ABSORBENT** **ARTICLE** WITH UNITARY ELASTOMERIC WAISTBAND WITH MULTIPLE EXTENSION ZONES

Abstract: An **absorbent** **article**, such as a **disposable** **diaper**, includes a chassis having a front waist region, a back waist region, and a crotch region extending between the front and back waist regions. An outer cover member and a bodyside liner extend longitudinally between the front and back waist regions. An **absorbent** body structure is sandwiched between the outer cover member and the bodyside liner. A unitary elastomeric structure is attached to at least one of the front and back waist regions, the elastomeric structure extending completely across the respective waist region and extending beyond lateral sides of the chassis so as to form elastomeric attachment tabs. The elastomeric structure having a predetermined first modulus of elasticity such that when attached to said waist region, a resulting elastomeric waistband portion is defined having an overall second modulus of elasticity that is less than the first modulus of elasticity of the attachment tabs.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/62 A61F13/64
International (IPC 1-7): A61F13/15 A61F13/20 A61F13/493 A61F13/496 A61F13/56 A61F13/62 A61F13/64
CPC: A61F13/49011 A61F13/4902
US: 604/385.29 604/385.290P 604/386 604/389 604/391 604/393 604/394



Family:

Publication number	Publication date	Application number	Application date
AR042220 AA	20050615	AR2003P104362	20031126
AT551979 E	20120415	AT20030752290T	20030911
AU2003270586 AA	20040729	AU20030270586	20030911
DE60340497 D1	20120531	DE20036040497	20030911
EP1578326 A1	20050928	EP20030752290	20030911
EP1578326 B1	20120404	EP20030752290	20030911
KR100972892 B1	20100728	KR20057010052	20050603
KR20050085323 A	20050829	KR20057010052	20030911
MXPA05005886 A1	20050829	MX2005PA05886	20030911
US2004122411 AA	20040624	US20020324664	20021220
US7727217 BB	20100601	US20020324664	20021220
WO04060235 A1	20040722	WO2003US28632	20030911

Priority:
US20020324664 20021220 WO2003US28632 20030911 EP20030752290 20030911

Probable Assignee: KIMBERLY CLARK CORP
Assignee(s): (std): KIMBERLY CLARK CO
Assignee(s): HANCOCK COOKE CATHERINE M ; KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC ; KIMBERLY CLARK WORLDWIDE INC NEENAH ; KIMBERLY CLARK WORLDWIDE INCORPORATED ; 킴벌리 클라크 월드와이드 인크
Inventor(s): (std): CATHERINE M HANCOCK COOKE ; HANCOCK COOKE CATHERINE ; HANCOCK COOKE CATHERINE M
Inventor(s): HANCOCK COOKE CATHERINE M NEENAH ; 한콕 쿠크 캐서린 엠
Agent(s): DAVIES CHRISTOPHER ROBERT; DORITY AND MANNING PA; ZIMMERMANN AND PARTNER PATENTANWAELTE MBB; 위혜숙; 장수길
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR042220 AA	20050615	LSPB	+	published / reissued	
AR042220 AA	20101227	LSGT	+FG	GRANT, REGISTRATION	
AT551979 E	20120415	LSGT	+	granted / extensions (spc, cpc, pte)	
AT551979 E	20230911	PEXP		Calculated Patent Term Expiry	

AU2003270586 AA	20040729	LSPB	+	published / reissued	
AU2003270586 AA	20050908	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2) (F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
DE60340497 D1	20120410	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PartyType: Owner OldParty: Kimberly-Clark Worldwide, Inc., Neenah, Wis., US Owner: Kimberly-Clark Worldwide, Inc., Neenah, Wis., US
DE60340497 D1	20200401	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
EP1578326 A1	20050928	LSPB	+	published / reissued	
EP1578326 A1	20050928	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20050711
EP1578326 A1	20050928		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR
EP1578326 A1	20050928		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL LT LV MK
EP1578326 A1	20060412		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP1578326 A1	20070117	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20061219
EP1578326 A1	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20120404 Country of Ref document: RO
EP1578326 A1	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20120404 Country of Ref document: CZ
EP1578326 A1	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120404 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP1578326 A1	20160129	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 13 Payment date: 20150929 Country of Ref document: DE
EP1578326 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 14 Payment date: 20160927 Country of Ref document: GB
EP1578326 B1	20120404	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1578326 B1	20120404		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR
EP1578326 B1	20120404	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP1578326 B1	20120413	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP1578326 B1	20120415	LSNP	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20120415 Ref country code: AT Kind code of Ref document: T Ref legal event code: REF Ref document number: 551979 Country of Ref document: AT

EP1578326 B1	20120425	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP1578326 B1	20120522		REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: TRGR
EP1578326 B1	20120531	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R096 Effective date: 20120531 Ref document number: 60340497 Ref country code: DE Country of Ref document: DE
EP1578326 B1	20120725	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: NL Ref legal event code: VDEP Effective date: 20120404
EP1578326 B1	20120915	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MK05 Ref document number: 551979 Kind code of Ref document: T Effective date: 20120404 Ref country code: AT Country of Ref document: AT
EP1578326 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20120404 Country of Ref document: FI
EP1578326 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20120404 Country of Ref document: CY
EP1578326 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120404 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP1578326 B1	20121130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120806 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP1578326 B1	20121130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120705 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP1578326 B1	20121231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120404 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BE
EP1578326 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120404 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NL
EP1578326 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120404 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP1578326 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120404 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP1578326 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	Lapsed date: 20120404 NotificationOfLapse: LAPSE

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP1578326 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20120404 Country of Ref document: CZ
EP1578326 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120404 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP1578326 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120404 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP1578326 B1	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120404 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP1578326 B1	20130313	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20130107
EP1578326 B1	20130430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120930 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: MC
EP1578326 B1	20130430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20120715 Country of Ref document: ES
EP1578326 B1	20130430	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PL Ref country code: CH
EP1578326 B1	20130502	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R097 Ref country code: DE Effective date: 20130107 Ref document number: 60340497 Country of Ref document: DE
EP1578326 B1	20130619	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MM4A Ref country code: IE
EP1578326 B1	20130628	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: ST Effective date: 20130531 Ref country code: FR
EP1578326 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120930 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP1578326 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20120704 Country of Ref document: BG
EP1578326 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20120930 Country of Ref document: LI
EP1578326 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	Lapsed date: 20120911 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

				INFORMATION FROM NATIONAL OFFICE TO EPO]	Country of Ref document: IE
EP1578326 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20121001 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: FR
EP1578326 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20120404 Country of Ref document: TR
EP1578326 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20120911 Country of Ref document: LU
EP1578326 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20030911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: HU
EP1578326 B1	20161130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20160928 Year of fee payment: 14 Country of Ref document: SE
EP1578326 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 14 Payment date: 20160928 Country of Ref document: DE
EP1578326 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 15 Payment date: 20170927 Country of Ref document: GB
EP1578326 B1	20171130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170927 Year of fee payment: 15 Country of Ref document: SE
EP1578326 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170927 Year of fee payment: 15 Country of Ref document: DE
EP1578326 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 16 Payment date: 20180927 Country of Ref document: DE
EP1578326 B1	20181130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180927 Year of fee payment: 16 Country of Ref document: GB
EP1578326 B1	20181130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180927 Year of fee payment: 16 Country of Ref document: SE
EP1578326 B1	20191231	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 17 Payment date: 20190927 Country of Ref document: GB
EP1578326 B1	20200401	LSDW	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 60340497 Ref country code: DE Ref legal event code: R119 Country of Ref document: DE
EP1578326 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20190912 Country of Ref document: SE
EP1578326 B1	20200505	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: EUG

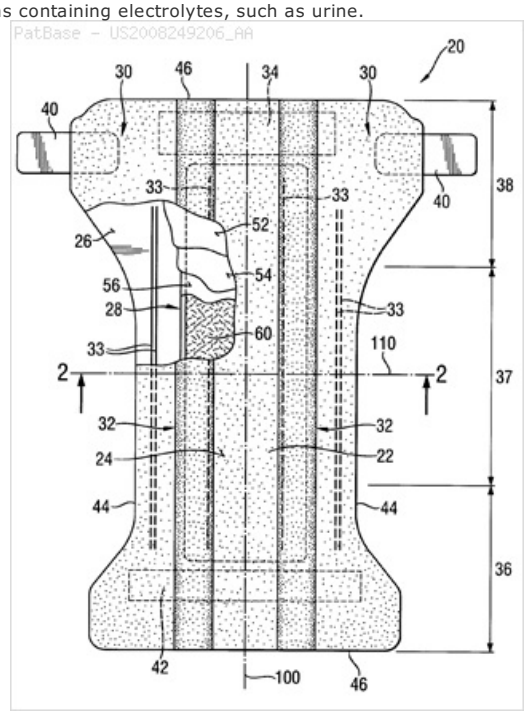
EP1578326 B1	20200731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20200401 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: DE
EP1578326 B1	20230911	PEXP		Calculated Patent Term Expiry	
KR100972892 B1	20100728	LSGT	+	granted / extensions (spc, cpc, pte)	
KR100972892 B1	20130705	LSFE	FPAY	ANNUAL FEE PAYMENT	Payment date: 20130708 Year of fee payment: 4
KR100972892 B1	20140708	LSFE	FPAY	ANNUAL FEE PAYMENT	Year of fee payment: 5 Payment date: 20140709
KR100972892 B1	20150706	LSFE	FPAY	ANNUAL FEE PAYMENT	Year of fee payment: 6 Payment date: 20150707
KR100972892 B1	20160711	LSFE	FPAY	ANNUAL FEE PAYMENT	Payment date: 20160712 Year of fee payment: 7
KR100972892 B1	20170710	LSFE	FPAY	ANNUAL FEE PAYMENT	Payment date: 20170711 Year of fee payment: 8
KR100972892 B1	20180710	LSFE	FPAY	ANNUAL FEE PAYMENT	Year of fee payment: 9 Payment date: 20180711
KR100972892 B1	20190709	LSFE	FPAY	ANNUAL FEE PAYMENT	Year of fee payment: 10 Payment date: 20190710
KR100972892 B1	20250603	PEXP		Calculated Patent Term Expiry	
KR20050085323 A	20050829	LSPB	+	published / reissued	
KR20050085323 A	20080716	LSES	A201	REQUEST FOR EXAMINATION	
KR20050085323 A	20091120	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20050085323 A	20100531	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20050085323 A	20100722	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
MXPA05005886 A1	20050829	LSPB	+	published / reissued	
MXPA05005886 A1	20100324	LSGT	+FG	GRANT OR REGISTRATION	
US2004122411 AA	20040624	LSPB	+	published / reissued	
US2004122411 AA	20100512	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE

88) Family number: 42256802 (US2008249206 AA)

Title: MATERIAL FOR ACQUISITION OF LIQUIDS AND **DISPOSABLE** **ABSORBENT** **ARTICLE** COMPRISING THE MATERIAL

Abstract: The present invention relates to a material for acquisition of liquids comprising individualized, crosslinked cellulosic fibers having an effective amount of a polymeric acid crosslinking agent reacted with the fibers in intra-fiber crosslink ester bond form. The material further comprises at least one basic substance, selected from basic polymers. The invention also relates to **disposable** **absorbent** **articles**, such as **diapers**, containing this material. The material can be used in a method of reducing the electrolyte concentration of aqueous mediums containing electrolytes, such as urine.

Classifications:
International (IPC 8-9): A61L15/24 A61L15/28 B01J20/22 C08L1/02 C08L1/20 D01C3/00 D04H1/42 D04H1/425 D06M13/207 D06M14/04 D06M15/263 D21C3/04 D21C9/00 D21H11/20
CPC: A61L15/24 A61L15/28 D04H1/425 D04H1/4258 D06M13/207 D06M15/263 D21H21/28 D21H23/22 D21H27/002 D21H27/02
US: 162/164.1 162/164.6 162/2 162/2P 162/76 162/76S 424/488 514/772.3 523/105 523/111 524/35 527/311



Family:

Publication number	Publication date	Application number	Application date
DE602007038059 D1	20140918	DE200760038059T	20070404
EP1978140 A1	20081008	EP20070105640	20070404
EP1978140 B1	20140813	EP20070105640	20070404
US2008249206 AA	20081009	US20080061164	20080402
US2011259536 AA	20111027	US20110177665	20110707
US7994242 BB	20110809	US20080061164	20080402
US8258211 BB	20120904	US20110177665	20110707
WO08122929 A1	20081016	WO2008IB51240	20080402

Priority:
EP20070105640 20070404 US20080061164 20080402 US20110177665 20110707

Probable Assignee: PROCTER AND GAMBLE CO
Assignee(s): (std): FLOHR ANDREAS ; LUTSCHE MARION ; PROCTER AND GAMBLE
Assignee(s): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; THE PROCTER AND GAMBLE COMPANY
Inventor(s): (std): FLOHR ANDREAS ; LUTSCHE MARION
Agent(s): ABBEY A; AMY M; HEIDE UTE; JOHN G; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; THE PROCTER AND GAMBLE COMPANY; THE PROCTER AND GAMBLE COMPANY, GLOBAL LEGAL DEPARTMENT - IP
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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
EP1978140 A1	20081008	LSPB	+	published / reissued	
EP1978140 A1	20081008		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR
EP1978140 A1	20081008		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA HR MK RS
EP1978140 A1	20081217	LSES	+17P	REQUEST FOR EXAMINATION	Effective date: 20081103

				FILED	
EP1978140 A1	20081231	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20081202
EP1978140 A1	20090617	LSFE	+AKX	DESIGNATION FEES PAID	Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR
EP1978140 A1	20140402	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20140303
EP1978140 A1	20140813		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR
EP1978140 A1	20140813	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP1978140 A1	20140815	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP1978140 A1	20140815	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 682340 Ref country code: AT Kind code of Ref document: T Effective date: 20140815 Ref legal event code: REF Country of Ref document: AT
EP1978140 A1	20140910	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP1978140 A1	20140918	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602007038059 Ref legal event code: R096 Ref country code: DE Effective date: 20140918 Country of Ref document: DE
EP1978140 A1	20150114	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: NL Effective date: 20140813 Ref legal event code: VDEP
EP1978140 A1	20150115	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: AT Ref legal event code: MK05 Ref document number: 682340 Effective date: 20140813 Kind code of Ref document: T Country of Ref document: AT
EP1978140 A1	20150126	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MG4D Ref country code: LT
EP1978140 A1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20141114 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP1978140 A1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140813 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LT
EP1978140 A1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20141113 Country of Ref document: BG
EP1978140 A1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20141215 Country of Ref document: PT
EP1978140 A1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140813 Country of Ref document: ES
EP1978140 A1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140813 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

					Country of Ref document: FI
EP1978140 A1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140813 Country of Ref document: SE
EP1978140 A1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140813 Country of Ref document: CY
EP1978140 A1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140813 Country of Ref document: LV
EP1978140 A1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140813 Country of Ref document: AT
EP1978140 A1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20141213 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP1978140 A1	20150325	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: PLFP Year of fee payment: 9 Country of Ref document: FR
EP1978140 A1	20150331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140813 Country of Ref document: NL
EP1978140 A1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140813 Country of Ref document: DK
EP1978140 A1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140813 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP1978140 A1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140813 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP1978140 A1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140813 Country of Ref document: CZ
EP1978140 A1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140813 Country of Ref document: SK
EP1978140 A1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A

				STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140813 Country of Ref document: RO
EP1978140 A1	20150515	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602007038059 Ref legal event code: R097 Ref country code: DE Country of Ref document: DE
EP1978140 A1	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140813 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL
EP1978140 A1	20150529	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20150325 Country of Ref document: GB
EP1978140 A1	20150722	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20150515
EP1978140 A1	20150731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20150429 Year of fee payment: 9 Country of Ref document: DE
EP1978140 A1	20150831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20150325 Country of Ref document: FR
EP1978140 A1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20150404 Country of Ref document: LU
EP1978140 A1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140813 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP1978140 A1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20140813 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MC
EP1978140 A1	20151130	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PL Ref country code: CH
EP1978140 A1	20160127	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP1978140 A1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20150430 Country of Ref document: CH
EP1978140 A1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150430 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LI
EP1978140 A1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20150404 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP1978140 A1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				OFFICE TO EPO]	Lapsed date: 20140813 Country of Ref document: BE
EP1978140 A1	20161101	LSDW	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602007038059 Ref country code: DE Ref legal event code: R119 Country of Ref document: DE
EP1978140 A1	20161228	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Ref country code: EP Effective date: 20160404
EP1978140 A1	20161230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140813 Country of Ref document: MT
EP1978140 A1	20170127	LSLE	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20161230 Ref country code: FR Ref legal event code: ST
EP1978140 A1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20161101 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: DE
EP1978140 A1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20160502 Country of Ref document: FR
EP1978140 A1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20160404 Country of Ref document: GB
EP1978140 A1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20070404 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Country of Ref document: HU
EP1978140 A1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20140813 Country of Ref document: TR
EP1978140 B1	20140813	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1978140 B1	20270404	PEXP		Calculated Patent Term Expiry	
US2008249206 AA	20081009	LSPB	+	published / reissued	
US2008249206 AA	20110720	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US2011259536 AA	20111027	LSPB	+	published / reissued	
US7994242 BB	20080402	LSAS	AS	ASSIGNMENT	Owner: THE PROCTER & GAMBLE COMPANY, OHIO Effective date: 20080326 OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:FLOHR, ANDREAS;LUTSCHE, MARION;REEL/FRAME:020743/0853 PartyType: owner
US7994242 BB	20110720	LSGT	PAT1	Patented Case	
US7994242 BB	20110809	LSGT	+	granted / extensions (spc, cpc, pte)	
US7994242 BB	20150127	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US7994242 BB	20190401	LSFE	FEPP	FEE PAYMENT PROCEDURE	Text: MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT

					OWNER: LARGE ENTITY
US7994242 BB	20190916	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	Text: PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US7994242 BB	20190916	LSLE	PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7994242 BB	20190916	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	Text: PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7994242 BB	20191008	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	Effective date: 20190809
US7994242 BB	20290125	PEXP		Calculated Patent Term Expiry (PTA 298 days)	
US8258211 BB	20120815	LSGT	PAT1	Patented Case	
US8258211 BB	20120904	LSGT	+	granted / extensions (spc, cpc, pte)	
US8258211 BB	20160415		REMI	MAINTENANCE FEE REMINDER MAILED	
US8258211 BB	20160904	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US8258211 BB	20161003	LSLE	PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US8258211 BB	20161003	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	Text: PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US8258211 BB	20161025	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	Effective date: 20160904
US8258211 BB	20310707	PEXP		Calculated Patent Term Expiry	
WO08122929 A1	20081016	LSPB	+	published / reissued	
WO08122929 A1	20081126		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Ref document number: 08737696 Kind code of Ref document: A1 Country of Ref document: EP
WO08122929 A1	20091006	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE
WO08122929 A1	20100505	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	Kind code of Ref document: A1 Ref document number: 08737696 Country of Ref document: EP

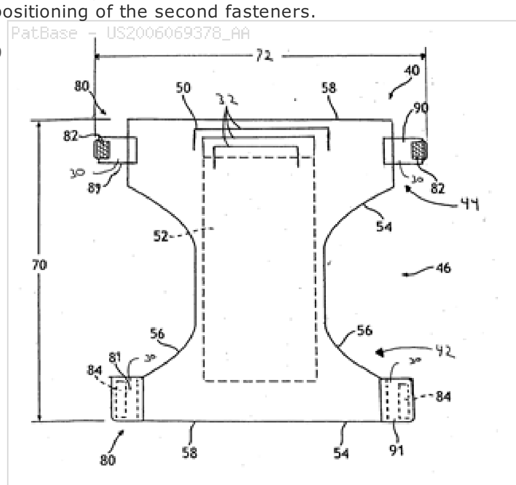
89) **Family number: 32764914** (US2006069378 AA)

© PatBase

Title: INDICIA FOR A GARMENT WITH A DUAL FASTENING SYSTEM

Abstract: A **disposable** garment including a dual fastening system. The dual fastening system includes at least two first fasteners and at least two second fasteners, at least a portion of each second fastener being located in the front waist region and situated inboard from each longitudinal side edge of the front waist region, each second fastener being configured to engage at least a portion of the bodyfacing surface. Additionally, the bodyfacing surface comprises indicia in the rear waist region guiding a user fitting the **disposable** garment regarding the positioning of the second fasteners.

Classifications:
International (IPC 8-9): A61F13/00 A61F13/15 A61F13/20 A61F13/49 A61F13/56
International (IPC 1-7): A61F13/15 A61F13/49 A61F13/56
CPC: A61F13/5638 A61F13/84 A61F2013/8497
US: 604/386 604/389 604/389S 604/391 604/391P



Family:

Publication number	Publication date	Application number	Application date
AU2005290285 AA	20060406	AU20050290285	20050609
AU2005290285 BB	20101118	AU20050290285	20050609
BRPI0515072 A	20080701	BR2005PI15072	20050609
BRPI0515072 B1	20180109	BR2005PI15072	20050609
DE602005028261 D1	20110707	DE200560028261T	20050609
EP1793785 A1	20070613	EP20050759232	20050609
EP1793785 B1	20110525	EP20050759232	20050609
KR101137151 B1	20120419	KR20077006928	20050609
KR20070058531 A	20070608	KR20077006928	20050609
MX2007003540 A1	20070605	MX20070003540	20050609
TH77144 A	20060420	TH20051004305	20050914
TW200628131 A	20060816	TW20050131587	20050914
US2006069378 AA	20060330	US20040953660	20040928
US7654994 BB	20100202	US20040953660	20040928
WO06036231 A1	20060406	WO2005US20458	20050609

Priority:
US20040953660 20040928 WO2005US20458 20050609 EP20050759232 20050609

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): FELL JOESPH P ; FELL JOSEPH P ; GOODRICH KELLIE M ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC ; PROBST TIMOTHY J ; WINKEL PAULA C

Assignee(s): KIMBERLY CLARK WORLDWIDE INC NEENAH ; KIMBERLY CLARK WORLDWIDE INCORPORATED ; □□□□□□□□ □□□□□ □□□□□□□□ □□□ ; 킴벌리-클라크 월드와이드, 인크.

Inventor(s): (std): FELL JOESPH P ; FELL JOSEPH P ; FELL JOSEPH PATRICK ; GOODRICH KELLIE M ; JOSEPH PATRICK FELL ; KELLIE M GOODRICH ; PAULA C WINKEL ; PROBST TIMOTHY J ; TIMOTHY J PROBST ; WINKEL PAULA C

Inventor(s): FELL JOESPH ; FELL JOSEPH P APPLETON ; GOODRICH KELLIE ; GOODRICH KELLIE M APPLETON ; JOSEPH P FELL ; PROBST TIMOTHY ; PROBST TIMOTHY J NEENAH ; WINKEL PAULA C CHILTON ; □□□□□□□□□□□□ □ □□□□□□ □□□□□□□ ; 굿리치, 켈리, 엠. ; 윈켈, 파울라, 씨. ; 펠, 조셉, 피. ; 프롭스트, 티모시, 제이.

Agent(s): BRYAN R; KIMBERLY CLARK WORLDWIDE INC; MABEY KATHERINE FRANCES; SPRUSON AND FERGUSON; ZIMMERMANN AND PARTNER PATENTANWAELTE MBB; □□□□□□□□ □□□□□□□; □□□□□□□□ □□□□□□□ □□□□□□□□□□ □□□□□□□□□□ □□□□□□□□ □□□□□□□ □□□□□□□□□□□□□ □□□□□□□□□□□□; □□□□□□□□ □□□□□□□, □□□□□□□□□□ □□□□□□□□□□, □□□□□□□□ □□□□□□□, □□□□□□□□□□□□□ □□□□□□□□□□□□□

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LK LR LS LT LU LV 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2005290285 AA	20060406	LSPB	+	published / reissued	
AU2005290285 BB	20101118	LSGT	+	granted / extensions (spc, cpc, pte)	

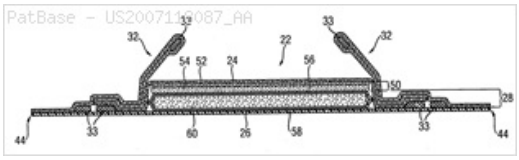
AU2005290285 BB	20110317	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2005290285 BB	20250609	PEXP		Calculated Patent Term Expiry	
BRPI0515072 A	20080701	LSPB	+	published / reissued	
BRPI0515072 A	20170613		B06A	NOTIFICATION TO APPLICANT TO REPLY TO THE REPORT FOR NON-PATENTABILITY OR INADEQUACY OF THE APPLICATION ACCORDING ART. 36 INDUSTRIAL PATENT LAW	
BRPI0515072 A	20171010	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0515072 A	20180109	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	
BRPI0515072 B1	20250609	PEXP		Calculated Patent Term Expiry	
EP1793785 A1	20070613	LSPB	+	published / reissued	
EP1793785 A1	20070613	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20070227
EP1793785 A1	20070613		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: DE GB
EP1793785 A1	20080102		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP1793785 A1	20080102		+RBV	DESIGNATED CONTRACTING STATES (CORRECTED)	Country of Ref document: DE GB
EP1793785 A1	20100407	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20100305
EP1793785 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 12 Payment date: 20160628 Country of Ref document: DE
EP1793785 B1	20110525	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1793785 B1	20110525		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: DE GB
EP1793785 B1	20110525	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP1793785 B1	20110707	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R096 Ref document number: 602005028261 Effective date: 20110707 Ref country code: DE Country of Ref document: DE
EP1793785 B1	20120502	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20120228
EP1793785 B1	20120621	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R097 Effective date: 20120228 Ref document number: 602005028261 Ref country code: DE Country of Ref document: DE
EP1793785 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 13 Payment date: 20170627 Country of Ref document: GB
EP1793785 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170628 Year of fee payment: 13 Country of Ref document: DE
EP1793785 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 14 Payment date: 20180627 Country of Ref

					document: DE
EP1793785 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 14 Payment date: 20180627 Country of Ref document: GB
EP1793785 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190627 Year of fee payment: 15 Country of Ref document: GB
EP1793785 B1	20200101	LSDW	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R119 Ref country code: DE Ref document number: 602005028261 Country of Ref document: DE
EP1793785 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20200101 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: DE
EP1793785 B1	20250609	PEXP		Calculated Patent Term Expiry	
KR101137151 B1	20120419	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101137151 B1	20160324	LSFE	FPAY	ANNUAL FEE PAYMENT	Payment date: 20160325 Year of fee payment: 5
KR101137151 B1	20170329	LSFE	FPAY	ANNUAL FEE PAYMENT	Year of fee payment: 6 Payment date: 20170330
KR101137151 B1	20180328	LSFE	FPAY	ANNUAL FEE PAYMENT	Payment date: 20180329 Year of fee payment: 7
KR101137151 B1	20190326	LSFE	FPAY	ANNUAL FEE PAYMENT	Year of fee payment: 8 Payment date: 20190327
KR101137151 B1	20250609	PEXP		Calculated Patent Term Expiry	
KR20070058531 A	20070608	LSPB	+	published / reissued	
KR20070058531 A	20100525	LSES	A201	REQUEST FOR EXAMINATION	
KR20070058531 A	20120301	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20070058531 A	20120409	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
MX2007003540 A1	20070605	LSPB	+	published / reissued	
MX2007003540 A1	20101108	LSGT	+FG	GRANT OR REGISTRATION	

90) Family number: 34488512 (US2007118087 AA)

Title: FLUID ACQUISITION LAYER

Abstract: A liquid acquisition material for use in an **absorbent** **article**. The liquid acquisition material having first fibers and second fibers. The first fibers are chemically cross-linked cellulose fibers and the second fibers are selected from the group consisting of: polyethylene, polypropylene, polyester, rayon, lyocell, and mixtures thereof. The liquid acquisition material has a total dry weight, the first fibers have a first dry weight, and the second fibers have a second dry weight. The first dry weight is from 30 to 95 percent of the total dry weight and the second dry weight is from 5 to 70 percent of the total dry weight.



Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/511 A61F13/537 A61F13/56 A61L15/16 A61L15/22 D04H1/425 D04H1/43 D04H1/435 D04H1/50 D04H1/587 D04H1/593 D04H1/732 D04H13/00
CPC: A61F13/5376 A61L15/225 D04H1/425 D04H1/435 D04H1/50 D04H1/587 D04H1/593 D04H1/732 D04H13/00 C08L1/02
US: 1/1 604/367 604/367S 604/372 604/372P 604/378 604/378S

Family:

Publication number	Publication date	Application number	Application date
CA2629870 AA	20080514	CA20062629870	20061121
CN101312750 A	20081126	CN200680043473	20061121
DE602005038540 D1	20130508	DE2005060038540T	20051121
EP1787663 A1	20070523	EP20050111029	20051121
EP1787663 B1	20130313	EP20050111029	20051121
JP2009516537 T2	20090423	JP20080540777T	20061121
US2007118087 AA	20070524	US20060600691	20061116
US9273419 BB	20160301	US20060600691	20061116
WO07057869 A2	20070524	WO2006IB54371	20061121
WO07057869 A3	20070816	WO2006IB54371	20061121

Priority:

EP20050111029 20051121 WO2006IB54371 20061121

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): FLOHR ANDREAS ; MAKAVOU JENNEN PASCHALIA ; PASCHALIA MAKAVOU JENNEN ; PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; THE PROCTER AND GAMBLE COMPANY ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): ANDREAS FLOHR ; FLOHR ANDREAS ; MAKAVOU JENNEN PASCHALIA ; PASCHALIA MAKAVOU JENNEN

Inventor(s): FLOHR ANDREAS 61476 ; MAKAVOU JENNEN PASCHALIA 75719 ; アンドレアス フロール ; マカフ イェネン パシャリア ; 安德烈亚斯·弗洛尔 ; 马卡沃-詹南·帕沙利亚

Agent(s): ANDREW J; DIMOCK STRATTON LLP; HEIDE UTE; NAGAI HIROSHI; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; WILSON LUE LLP; 勝沼 宏仁; 吉武 賢次; 大野 浩之; 岡田 淳平; 永井 浩之

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 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 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 YU ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CA2629870 AA	20080514	LSPB	+	published / reissued	
CA2629870 AA	20080514	LSES	+EEER	EXAMINATION REQUEST	
CA2629870 AA	20120910	LSLE	-FZDE	DEAD	
CN101312750 A	20081126	LSPB	+	published / reissued	
CN101312750 A	20081126	LSPB	+C06	PUBLICATION	
CN101312750 A	20090121		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101312750 A	20120620	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
DE602005038540 D1	20120912		R079	AMENDMENT OF IPC MAIN CLASS	ClassificationScheme: IPC ClassificationSymbol: D04H0001500000 Text: PREVIOUS MAIN CLASS: A61L0015220000
EP1787663 A1	20070523	LSPB	+	published /	

				reissued	
EP1787663 A1	20070523		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1787663 A1	20070523		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA HR MK YU
EP1787663 A1	20070801	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20070618
EP1787663 A1	20070829	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20070801
EP1787663 A1	20080130	LSFE	+AKX	DESIGNATION FEES PAID	Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1787663 A1	20120912		REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R079 ClassificationScheme: IPC Text: PREVIOUS MAIN CLASS: A61L0015220000 ClassificationSymbol: D04H0001500000 Ref document number: 602005038540 Ref country code: DE Country of Ref document: DE
EP1787663 A1	20121017		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: D04H 1/50 20120101AFI20120912BHEP
EP1787663 A1	20121017		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: D04H 1/732 20120101ALI20120912BHEP
EP1787663 A1	20121017		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: D04H 1/425 20120101ALI20120912BHEP
EP1787663 A1	20121017		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/537 20060101ALI20120912BHEP ClassificationScheme: IPC
EP1787663 A1	20121017		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: D04H 1/587 20120101ALI20120912BHEP
EP1787663 A1	20121017		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61L 15/22 20060101ALI20120912BHEP
EP1787663 A1	20121017		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/15 20060101ALI20120912BHEP ClassificationScheme: IPC
EP1787663 A1	20121017		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: D04H 1/593 20120101ALI20120912BHEP ClassificationScheme: IPC
EP1787663 A1	20121017		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: D04H 1/435 20120101ALI20120912BHEP
EP1787663 A1	20121017		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: D04H 13/00 20060101ALI20120912BHEP
EP1787663 A1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	Lapsed date: 20130624 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP1787663 A1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP1787663 A1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20130313 Country of Ref document: SK
EP1787663 A1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20130313 Country of Ref document: RO
EP1787663 A1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20130313 Country of Ref document: CZ
EP1787663 A1	20160129	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20151130 Year of fee payment: 11 Country of Ref document: DE
EP1787663 A1	20160129	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20151027 Year of fee payment: 11 Country of Ref document: GB
EP1787663 A1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161130 Year of fee payment: 12 Country of Ref document: DE
EP1787663 B1	20130313	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1787663 B1	20130313		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1787663 B1	20130313	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP1787663 B1	20130315	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP1787663 B1	20130315	LSNP	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20130315 Kind code of Ref document: T Ref country code: AT Ref document number: 600890 Ref legal event code: REF

					Country of Ref document: AT
EP1787663 B1	20130410	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP1787663 B1	20130508	LSPB	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20130508 Ref country code: DE Ref document number: 602005038540 Ref legal event code: R096 Country of Ref document: DE
EP1787663 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130613 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BG
EP1787663 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130624 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP1787663 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SE
EP1787663 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LT
EP1787663 B1	20130815	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20130313 Kind code of Ref document: T Ref country code: AT Ref document number: 600890 Ref legal event code: MK05 Country of Ref document: AT
EP1787663 B1	20130821	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20130313 Ref country code: NL Ref legal event code: VDEP
EP1787663 B1	20130826	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: LT Ref legal event code: MG4D
EP1787663 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LV
EP1787663 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP1787663 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL	Lapsed date: 20130614 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR

				OFFICE TO EPO]	
EP1787663 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP1787663 B1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BE
EP1787663 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP1787663 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP1787663 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO
EP1787663 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130715 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP1787663 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP1787663 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NL
EP1787663 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO	Lapsed date: 20130713 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS

				EPO]	
EP1787663 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP1787663 B1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CY
EP1787663 B1	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL
EP1787663 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP1787663 B1	20140219	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20131216
EP1787663 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP1787663 B1	20140327	LSRE	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20131216 Ref country code: DE Ref document number: 602005038540 Ref legal event code: R097 Country of Ref document: DE
EP1787663 B1	20140630	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP1787663 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131130 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP1787663 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131130 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LI
EP1787663 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MC

				NATIONAL OFFICE TO EPO]	
EP1787663 B1	20140827	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP1787663 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131121 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP1787663 B1	20150130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20141027 Year of fee payment: 10 Country of Ref document: FR
EP1787663 B1	20150630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130313 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP1787663 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20051121 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Country of Ref document: HU
EP1787663 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20131121 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LU
EP1787663 B1	20160826	LSLE	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20160729 Ref country code: FR Ref legal event code: ST
EP1787663 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20151130 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: FR
EP1787663 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20161026 Year of fee payment: 12 Country of Ref document: GB
EP1787663 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20171114 Year of fee payment: 13 Country of Ref document: DE
EP1787663 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM	Payment date: 20171115 Year of fee payment: 13 Country of Ref document: GB

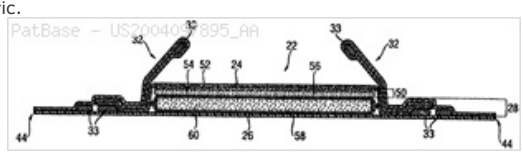
				NATIONAL OFFICE TO EPO]	
EP1787663 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20181106 Year of fee payment: 14 Country of Ref document: DE
EP1787663 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20181121 Year of fee payment: 14 Country of Ref document: GB
EP1787663 B1	20200131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20191105 Year of fee payment: 15 Country of Ref document: DE
EP1787663 B1	20200501	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20191122 Year of fee payment: 15 Country of Ref document: GB
EP1787663 B1	20251121	PEXP		Calculated Patent Term Expiry	
JP2009516537 T2	20090423	LSPB	+	published / reissued	
JP2009516537 T2	20100915		A977	REPORT ON RETRIEVAL	Effective date: 20100915 Text: JAPANESE INTERMEDIATE CODE: A971007
JP2009516537 T2	20100921	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20100917 Text: JAPANESE INTERMEDIATE CODE: A131
JP2009516537 T2	20101023		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20101022 Text: JAPANESE INTERMEDIATE CODE: A601
JP2009516537 T2	20101101		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Effective date: 20101029 Text: JAPANESE INTERMEDIATE CODE: A602
JP2009516537 T2	20111003	LSRV	-A02	DECISION OF REFUSAL	Effective date: 20110930 Text: JAPANESE INTERMEDIATE CODE: A02
US2007118087 AA	20070524	LSPB	+	published / reissued	
US2007118087 AA	20160210	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US9273419 BB	20061116	LSAS	AS	ASSIGNMENT	Effective date: 20061115 OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:FLOHR, ANDREAS;MAKAVOU-JENNEN, PASCHALIA;REEL/FRAME:018587/0085 Owner: PROCTER & GAMBLE COMPANY, THE, OHIO PartyType: owner
US9273419 BB	20150902	LSAL	BDR1	Board of Appeals Decision Rendered	
US9273419 BB	20151211	LSES	NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US9273419 BB	20160210	LSGT	PAT1	Patented Case	
US9273419 BB	20160301	LSGT	+	granted / extensions (spc, cpc, pte)	

US9273419 BB	20190816	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	Year of fee payment: 4
US9273419 BB	20320723	PEXP		Calculated Patent Term Expiry (PTA 2076 days)	
WO07057869 A2	20061121	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 200680043473.3 Country of Ref document: CN
WO07057869 A2	20070524	LSPB	+	published / reissued	
WO07057869 A3	20070822		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	
WO07057869 A3	20080514	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2629870 Country of Ref document: CA
WO07057869 A3	20080520	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Kind code of Ref document: A Ref document number: 2008540777 Country of Ref document: JP
WO07057869 A3	20080520	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: MX/a/2008/006480 Country of Ref document: MX
WO07057869 A3	20080522	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE
WO07057869 A3	20081217	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	Ref document number: 06821520 Kind code of Ref document: A2 Country of Ref document: EP

91) Family number: 30420407 (US2004097895 AA)

Title: **ABSORBENT** **ARTICLES** COMPRISING HYDROPHILIC NONWOVEN FABRICS

Abstract: The present invention relates to **absorbent** **articles** comprising nonwoven fabrics, which are made hydrophilic by polymers chemically bonded to the surface of the nonwoven fabrics. Moreover, the invention relates to a process for making hydrophilic fibers, which can be formed into a nonwoven fabric.



Classifications:
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49 A61F13/511 A61F13/53 A61F5/44 B05D3/06 B32B27/04 B32B27/12 B32B5/02 C08J3/28 D04H1/42 D06M14/00 D06M14/18 D06M14/28 D06M15/21 D06M15/263
International (IPC 1-7): A61F13/15 A61F13/20 D06M14/18 D06M14/28
CPC: A61F13/15203 A61F13/53 D06M14/18 D06M14/28 Y10T442/2484 Y10T442/2508 Y10T442/291 Y10T442/2918
US: 427/558 442/118 442/121 442/170 442/171 522/149 604/367 604/367P 604/368 604/385.01 604/385.010S

Family:

Publication number	Publication date	Application number	Application date
AT328150 E	20060615	AT20020021943T	20020930
AU2003277110 AA	20040423	AU20030277110	20030930
CN100354469 C	20071212	CN20038023437	20030930
CN1685105 A	20051019	CN20038023437	20030930
DE60211902 D1	20060706	DE20026011902T	20020930
DE60211902 T2	20070111	DE20026011902T	20020930
EP1403419 A1	20040331	EP20020021943	20020930
EP1403419 B1	20060531	EP20020021943	20020930
JP2006519316 T2	20060824	JP20040541898T	20030930
MXPA05002776 A1	20050606	MX2005PA02776	20030930
US2004097895 AA	20040520	US20030674670	20030930
US2009176908 AA	20090709	US20090402561	20090312
US7521587 BB	20090421	US20030674670	20030930
US7858157 BB	20101228	US20090402561	20090312
WO04031471 A1	20040415	WO2003US30825	20030930

Priority:
EP20020021943 20020930 WO2003US30825 20030930 US20030674670 20030930 US20090402561 20090312

Probable Assignee: PROCTER AND GAMBLE CO

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

Assignee(s): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): ANATOLYE PONOMARENKO EKATERINA ; ANDREAS FLOHR ; BUSAM LUDWIG ; CHRITOFER FUCHS ; FLOHR ANDREAS ; FUCHS CHRISTOFER ; FUCHS CHRITOFER ; LUDWIG BUSAM ; PONOMARENKO EKATARINA ANATOLYE ; PONOMARENKO EKATARINA ANATOLYEVNA ; PONOMARENKO EKATERINA ANATOLYE ; PONOMARENKO EKATERINA ANATOLYEVNA

Inventor(s): CHRISTOFER FUCHS ; EKATARINA ANATOLYEVNA PONOMARENKO ; EKATERINA ANATOLYEVNA PONOMARENKO ; アンドレアス フロール ; エカテリーナ アナトルエフナ ポノマレンコ ; クリストファー フックス ; ルードビヒ ブザム ; 克里斯托弗·富克斯 ; 埃卡特里纳·A·波诺马伦科 ; 安德烈亚斯·弗洛尔 ; 路德维格·巴萨姆

Agent(s): COLBERT JOHN P; JOHN G; KATHLEEN Y; KENDALL DARA M; NAGAI HIROSHI; POWELL JOHN G; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP; 勝沼 宏仁; 吉武 賢次; 岡田 淳平; 永井 浩之

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AT328150 E	20060615	LSGT	+	granted / extensions (spc, cpc, pte)	
AT328150 E	20061115	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT328150 E	20220930	PEXP		Calculated Patent Term Expiry	
AU2003277110 AA	20040423	LSPB	+	published / reissued	
AU2003277110 AA	20050714	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2)(F)/REG. 8.3(3) - PCT APPLIC. NOT	

				ENTERING NATIONAL PHASE	
CN100354469 C	20071212	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100354469 C	20071212	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN100354469 C	20131120	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN100354469 C	20230930	PEXP		Calculated Patent Term Expiry	
CN1685105 A	20051019	LSPB	+	published / reissued	
CN1685105 A	20051019	LSPB	+C06	PUBLICATION	
CN1685105 A	20051214		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
DE60211902 D1	20070621	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60211902 T2	20070111	LSGT	+	granted / extensions (spc, cpc, pte)	
DE60211902 T2	20070621	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60211902 T2	20220930	PEXP		Calculated Patent Term Expiry	
EP1403419 A1	20040331	LSPB	+	published / reissued	
EP1403419 A1	20040331		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR
EP1403419 A1	20040331		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL LT LV MK RO SI
EP1403419 A1	20040616	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20040416
EP1403419 A1	20040804	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20040616
EP1403419 A1	20041222	LSFE	+AKX	DESIGNATION FEES PAID	Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR
EP1403419 A1	20050810		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: 7D 06M 14/18 A ClassificationScheme: IPC
EP1403419 A1	20050810		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: 7D 06M 14/28 B ClassificationScheme: IPC
EP1403419 A1	20050810		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: 7A 61F 13/15 B ClassificationScheme: IPC
EP1403419 B1	20060531	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1403419 B1	20060531		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR
EP1403419 B1	20060531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	Lapsed date: 20060531 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT

				NATIONAL OFFICE TO EPO]	
EP1403419 B1	20060531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20060531 Country of Ref document: BE
EP1403419 B1	20060531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060531 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CH
EP1403419 B1	20060531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060531 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP1403419 B1	20060531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20060531 Country of Ref document: FI
EP1403419 B1	20060531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060531 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP1403419 B1	20060531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20060531 Country of Ref document: LI
EP1403419 B1	20060531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20060531 Country of Ref document: NL
EP1403419 B1	20060531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060531 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP1403419 B1	20060531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT;WARNING: LAPSES OF ITALIAN PATENTS WITH EFFECTIVE DATE BEFORE 2007 MAY HAVE OCCURRED AT ANY TIME

				NATIONAL OFFICE TO EPO]	BEFORE 2007. THE CORRECT EFFECTIVE DATE MAY BE DIFFERENT FROM THE ONE RECORDED. Lapsed date: 20060531 Country of Ref document: IT
EP1403419 B1	20060531	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP1403419 B1	20060531	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: EP Ref country code: CH
EP1403419 B1	20060628	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP1403419 B1	20060706		REF	CORRESPONDS TO:	Date of Ref document: 20060706 Ref document number: 60211902 Kind code of Ref document: P Country of Ref document: DE
EP1403419 B1	20060831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060831 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP1403419 B1	20060831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20060831 Country of Ref document: SE
EP1403419 B1	20060911	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060911 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: ES
EP1403419 B1	20060930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20060930 Country of Ref document: MC
EP1403419 B1	20061002	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20061002 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP1403419 B1	20061031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20061031 Country of Ref document: PT
EP1403419 B1	20061101	LSLE	-NLV1	NL: LAPSED OR ANNULLED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT	Ref country code: EP
EP1403419 B1	20061215	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PL Ref country code: CH

EP1403419 B1	20061229		+ET	FR: TRANSLATION FILED	
EP1403419 B1	20070509	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20070301
EP1403419 B1	20080430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20060901 Country of Ref document: GR
EP1403419 B1	20080630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060531 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP1403419 B1	20080630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060831 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BG
EP1403419 B1	20080731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20060930 Country of Ref document: LU
EP1403419 B1	20080731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060531 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP1403419 B1	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20060531 Country of Ref document: CY
EP1403419 B1	20110228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20100930 Year of fee payment: 9 Country of Ref document: DE
EP1403419 B1	20111130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 10 Payment date: 20110901 Country of Ref document: FR
EP1403419 B1	20111130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO	Year of fee payment: 10 Payment date: 20110826 Country of Ref document: GB

				EPO]	
EP1403419 B1	20130529	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Effective date: 20120930 Ref country code: EP
EP1403419 B1	20130628	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: ST Effective date: 20130531
EP1403419 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20130403 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: DE
EP1403419 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120930 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: GB
EP1403419 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20121001 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: FR
EP1403419 B1	20130926	LSDW	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20130403 Ref legal event code: R119 Ref country code: DE Ref document number: 60211902 Country of Ref document: DE
EP1403419 B1	20220930	PEXP		Calculated Patent Term Expiry	
JP2006519316 T2	20060824	LSPB	+	published / reissued	
JP2006519316 T2	20071214		A977	REPORT ON RETRIEVAL	Effective date: 20071214 Text: JAPANESE INTERMEDIATE CODE: A971007
JP2006519316 T2	20071219	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20071218 Text: JAPANESE INTERMEDIATE CODE: A131
JP2006519316 T2	20080227	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20080226 Text: JAPANESE INTERMEDIATE CODE: A523
JP2006519316 T2	20080331	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20080328
JP2006519316 T2	20080701		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Text: JAPANESE INTERMEDIATE CODE: A601 Effective date: 20080630
JP2006519316 T2	20080705	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20080704
JP2006519316 T2	20080708		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Text: JAPANESE INTERMEDIATE CODE: A602 Effective date: 20080707
JP2006519316 T2	20080723	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20080722
JP2006519316 T2	20081023		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Text: JAPANESE INTERMEDIATE CODE: A601 Effective date: 20081022
JP2006519316 T2	20081030		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Effective date: 20081029 Text: JAPANESE INTERMEDIATE CODE: A602
JP2006519316 T2	20090316	LSRV	-A02	DECISION OF REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A02 Effective date: 20090313

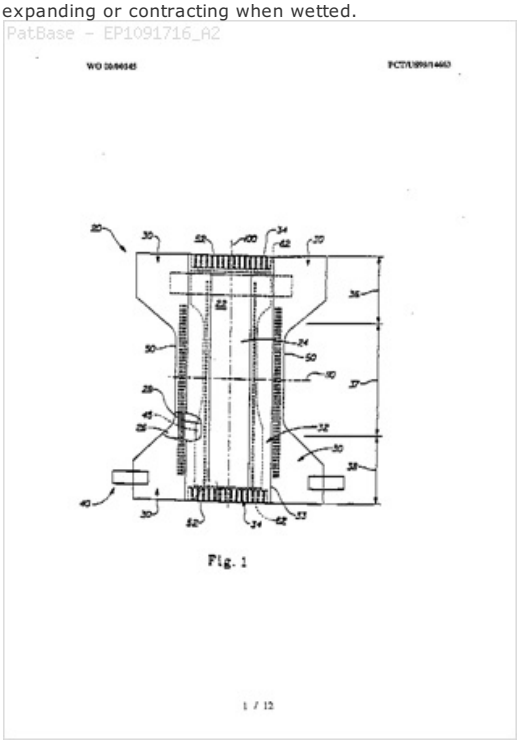
MXPA05002776 A1	20050606	LSPB	+	published / reissued
MXPA05002776 A1	20090526	LSGT	+FG	GRANT OR REGISTRATION

92) Family number: 33466091 (EP1091716 A2)

Title: **DISPOSABLE** **ABSORBENT** **ARTICLES** HAVING TRANSLATIONAL OPERATIVE MEMBERS

Abstract: An **absorbent** **article** having a support member comprising a top sheet, a backsheet, or an **absorbent** core, and a translational operative member for enhancing the capacity for containing bodily waste. The translational operative member is capable of being moved from one region of the **article** to another or within a region via a translating device. The translating device comprises a moisture sensitive element capable of expanding or contracting when wetted.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/42 A61F13/49 A61F13/511 A61F13/56 A61F13/82 A61F5/44 A61L15/16 A61L15/18 A61L15/20 A61L15/24 A61L15/26 A61L15/56 G01N33/483 G01N33/487 G01N33/53
International (IPC 1-7): A61F13/15 A61F13/42 A61F13/49 A61F13/511 A61F5/44
CPC: A61F13/42 A61F13/495 A61F13/82 A61F13/84 A61F2013/8473 A61F2013/8479 A61L15/18 A61L15/20 A61L15/24 A61L15/26 A61L15/56 G01N33/5308



Family:

Publication number	Publication date	Application number	Application date
AR014077 AA	20010131	AR1999P103160	19990729
AT246911 E	20030815	AT19990933596T	19990629
AU199949622 A1	20000117	AU19990049622	19990629
AU199949622 A5	20000117	AU19990049622	19990629
BRPI9911749 A	20010403	BR1999PI11749	19990629
CA2336068 AA	20001222	CA19992336068	19990629
CL1999001424 A1	19991214	CL19990001424	19990630
DE69910387 D1	20030918	DE19996010387T	19990629
DE69910387 T2	20040624	DE19996010387T	19990629
EP1091716 A2	20010418	EP19990933596	19990629
EP1091716 B1	20030813	EP19990933596	19990629
JP2002519107 T2	20020702	JP20000556731T	19990629
JP4485057 B2	20100616	JP20000556731T	19990629
KR20010053233 A	20010625	KR20007014872	19990629
PE12952000 A1	20001105	PE19990000590	19990630
PE20001295 A1	20001105	PE19990000590	19990630

Priority:
US19980107563 19980629 US19980106225 19980629 US19980090993P 19980629 WO1999US14663 19990629

Probable Assignee: PROCTER AND GAMBLE CO

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

Assignee(s): AHR NICHOLAS ALBERT ; PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; ROE DONALD CARROLL ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; ザ プロクター アンド ギャンブル カンパニー ; 더 프록터 앤드 갬블 캄파니

Inventor(s): (std): AHR ALBERT ; AHR NICHOLAS ALBERT ; ROE CARROLL ; ROE DONALD CARROLL

Inventor(s): AHR NICHOLAS ALBERT ROE D ; DONALD CARROLL ROE ; NICHOLAS ALBERT AHR ; ROE D ; アール ニコラス アルバート ; ロー ドナルド キャロル ; 로도날드캐롤 ; 아르니콜라스알버트

Agent(s): HARNECKER; NAGAI HIROSHI; SIM AND MCBURNEY; 勝沼 宏仁; 吉武 賢次; 名塚 聡; 岡田 淳平; 橋本 良郎; 永井 浩之; 磯貝 克臣; 김창세

Designated states: AE 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 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 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 UZ VN YU ZA ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details

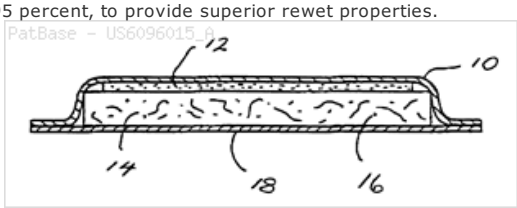
AR014077 AA	20010131	LSPB	+	published / reissued	
AR014077 AA	20050221	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
AT246911 E	20030815	LSGT	+	granted / extensions (spc, cpc, pte)	
AT246911 E	20040215	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT246911 E	20190629	PEXP		Calculated Patent Term Expiry	
AU199949622 A1	20000117	LSPB	+	published / reissued	
AU199949622 A1	20010322	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2)(F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
BRPI9911749 A	20010403	LSPB	+	published / reissued	
BRPI9911749 A	20061107	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 6A E 7A ANUIDADES.
BRPI9911749 A	20111206	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 1870 DE 07/11/2006.
CA2336068 AA	20001222	LSPB	+	published / reissued	
CA2336068 AA	20001222	LSES	+EEER	EXAMINATION REQUEST	
CA2336068 AA	20040629	LSLE	-FZDE	DEAD	
CL1999001424 A1	19991214	LSPB	+	published / reissued	
DE69910387 D1	20070719	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69910387 D1	20150101	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
DE69910387 T2	20040624	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69910387 T2	20070719	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69910387 T2	20190629	PEXP		Calculated Patent Term Expiry	
EP1091716 A2	20010418	LSPB	+	published / reissued	
EP1091716 A2	20010418	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20001227
EP1091716 A2	20010418		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE
EP1091716 A2	20020529	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20020415

93) Family number: 12418194 (US6096015 A)

Title: **Absorbent** **articles** having improved separator layer

Abstract: An **absorbent** **article** such as a **diaper** has an outer layer of a porous fabric and an inner **absorbent** core. A separator layer of thermally bonded nonwoven fabric is positioned between the outer layer and the core to minimize rewet by liquids. The fibers of the nonwoven fabric of the separator layer have a diameter greater than 28 microns, and at least 5 crimps per extended inch, and the fabric has a porosity of about 90-95 percent, to provide superior rewet properties.

Classifications:
International (IPC 8-9): A61F13/15
International (IPC 1-7): A61F13/15 D01F6/46
CPC: A61F13/53747 A61F13/5376 A61F2013/51011 A61F2013/530167 A61F2013/530372
US: 604/370 604/371 604/378



Family:

Publication number	Publication date	Application number	Application date
DE69714832 D1	20020926	DE19976014832T	19971202
DE69714832 T2	20030528	DE19976014832T	19971202
EP0852268 A1	19980708	EP19970309700	19971202
EP0852268 B1	20020821	EP19970309700	19971202
US6096015 A	20000801	US19980109790	19980702

Priority:

US19960759405 19961204 US19980109790 19980702

Probable Assignee: FIBERTECH GROUP INC

Assignee(s): (std): FIBERTECH GROUP INC

Assignee(s): BONLAM (SC) INC ; BONLAM INC ; BONLAM SC INC ; CHASE MANHATTAN BANK ; CHASE MANHATTAN BANK (ADMINSTRATIVE AGENT) ; CHASE MANHATTAN BANK ADMINSTRATIVE AGENT ; CHICOPEE INC ; CITICORP NORTH AMERICA INC ; CITICORP NORTH AMERICA INC COLLATERAL AGENT AS ; CITICORP NORTH AMERICA INC FIRST LIEN COLLATERAL A ; DOMINION TEXTILE (USA) INC ; DOMINION TEXTILE INC ; DOMINION TEXTILE USA INC ; FABPRO ORIENTED POLYMERS INC ; FABRENE CORP ; FABRENE GROUP LLC ; FIBERGOL CORP ; FIBERTECH GROUP INC LANDISVILLE ; FNA ACQUISITION INC ; FNA POLYMER CORP ; JPMORGAN CHASE BANK ; LORETEX CORP ; PGI EUROPE INC ; PGI POLYMER INC ; PNA CORP ; POLY BOND INC ; POLYLONIX SEPARATION TECHNOLOGIES INC ; POLYMER GROUP INC ; PRISTINE BRANDS CORP ; TECHNETICS GROUP INC ; WILMINGTON TRUST CO ; WILMINGTON TRUST CO SECOND LIEN COLLATERAL AGENT A

Inventor(s): (std): BOEHMER BRIAN ; BONONCINI KENNETH ; NOLAN BENJAMIN M ; STREEPER LEONARD ; YEO RICHARD S

Designated states: DE FR GB IT

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE69714832 D1	20030821	LSOP	-8363	OPPOSITION AGAINST THE PATENT	
DE69714832 D1	20061012	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE69714832 D1	20091120	LSRV	-R064	EPO'S REVOCATION DECISION NOW FINAL	
DE69714832 D1	20091120	LSRV	-R103	PATENT REVOKED BY EPO	
DE69714832 T2	20030528	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69714832 T2	20030821	LSOP	-8363	OPPOSITION AGAINST THE PATENT	
DE69714832 T2	20061012	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE69714832 T2	20171202	PEXP		Calculated Patent Term Expiry	
EP0852268 A1	19980708	LSPB	+	published / reissued	
EP0852268 A1	19980708		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: DE FR GB IT
EP0852268 A1	19980708		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Text: AL;LT;LV;MK;RO;SI
EP0852268 A1	19990303	LSES	+17P	REQUEST FOR	Effective date: 19981222

				EXAMINATION FILED	
EP0852268 A1	19990324	LSFE	+AKX	DESIGNATION FEES PAID	Text: DE FR GB IT
EP0852268 A1	19990324		+RBV	DESIGNATED CONTRACTING STATES (CORRECTED)	Country of Ref document: DE FR GB IT
EP0852268 A1	20010418	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20010306
EP0852268 B1	20020821	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0852268 B1	20020821		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: DE FR GB IT
EP0852268 B1	20020821	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP0852268 B1	20020926		REF	CORRESPONDS TO:	Date of Ref document: 20020926 Ref document number: 69714832 Country of Ref document: DE
EP0852268 B1	20030321		+ET	FR: TRANSLATION FILED	
EP0852268 B1	20030716	LSOP	-26	OPPOSITION FILED	PartyType: opponent Opponent: THE PROCTER & GAMBLE COMPANY Effective date: 20030521
EP0852268 B1	20031215	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20031215 Year of fee payment: 7 Country of Ref document: GB
EP0852268 B1	20040929	LSOP	-R26	OPPOSITION FILED (CORRECTED)	PartyType: opponent Effective date: 20030521 Opponent: THE PROCTER & GAMBLE COMPANY
EP0852268 B1	20041125	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20041125 Year of fee payment: 8 Country of Ref document: DE
EP0852268 B1	20041202	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20041202 Country of Ref document: GB
EP0852268 B1	20041208	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20041208 Year of fee payment: 8 Country of Ref document: FR
EP0852268 B1	20050720	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Effective date: 20041202 Ref country code: EP
EP0852268 B1	20051202	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20051202 Country of Ref document: IT
EP0852268 B1	20051202	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES;WARNING: LAPSES OF ITALIAN PATENTS WITH EFFECTIVE DATE BEFORE 2007 MAY HAVE OCCURRED AT ANY TIME BEFORE 2007. THE CORRECT EFFECTIVE DATE MAY BE DIFFERENT FROM THE ONE RECORDED. Lapsed date: 20051202 Country of Ref document: IT
EP0852268 B1	20060701	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060701 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: DE
EP0852268 B1	20060831	LSLE	-PG25	LAPSED IN A CONTRACTING	Lapsed date: 20060831 NotificationOfLapse: LAPSE

				STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: FR
EP0852268 B1	20061117	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: ST Effective date: 20060831
EP0852268 B1	20100217	LSRV	-27W	PATENT REVOKED	Effective date: 20091120
EP0852268 B1	20171202	PEXP		Calculated Patent Term Expiry	
US6096015 A	20000801	LSGT	+	granted / extensions (spc, cpc, pte)	
US6096015 A	20010521	LSAS	AS	ASSIGNMENT	Effective date: 20010518 Owner: CHASE MANHATTAN BANK (ADMINSTRATIVE AGENT), NEW YO OldParty: SECURITY AGREEMENT;ASSIGNOR:FIBERTECH GROUP, INC.;REEL/FRAME:012119/0262 PartyType: owner
US6096015 A	20030630	LSAS	AS	ASSIGNMENT	Effective date: 20030305 OldParty: SECURITY INTEREST;ASSIGNOR:FIBERTECH GROUP, INC.;REEL/FRAME:014220/0001 Owner: JPMORGAN CHASE BANK, NEW YORK PartyType: owner
US6096015 A	20031212	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US6096015 A	20040513	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST;ASSIGNOR:JPMORGAN CHASE BANK, AS ADMINISTRATIVE AGENT;REEL/FRAME:016059/0415 Owner: CHICOPEE, INC., SOUTH CAROLINA Effective date: 20040427 PartyType: owner
US6096015 A	20040810	LSAS	AS	ASSIGNMENT	Owner: CITICORP NORTH AMERICA, INC. AS FIRST LIEN COLLATE Effective date: 20040805 OldParty: SECURITY AGREEMENT;ASSIGNORS:CHICOPEE, INC.;FIBERTECH GROUP, INC;POLY-BOND, INC.;AND OTHERS;REEL/FRAME:015732/0080 PartyType: owner
US6096015 A	20040812	LSAS	AS	ASSIGNMENT	OldParty: SECURITY AGREEMENT;ASSIGNORS:CHICOPEE, INC.;FIBERTECH GROUP, INC.;POLY-BOND, INC.;AND OTHERS;REEL/FRAME:015778/0311 Effective date: 20040805 Owner: WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERA PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Owner: BONLAM (S.C.), INC., SOUTH CAROLINA PartyType: owner Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 Owner: CHICOPEE, INC., SOUTH CAROLINA OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 Owner: DOMINION TEXTILE (USA) INC., SOUTH CAROLINA PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL

					AGENT;REEL/FRAME:016851/0436 PartyType: owner Effective date: 20051122 Owner: FABPRO ORIENTED POLYMERS, INC., SOUTH CAROLINA
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 Owner: FABRENE CORP., SOUTH CAROLINA OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 PartyType: owner Effective date: 20051122 Owner: FABRENE GROUP L.L.C., SOUTH CAROLINA
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 Owner: FIBERGOL CORPORATION, SOUTH CAROLINA PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 Owner: FIBERTECH GROUP, INC., SOUTH CAROLINA PartyType: owner Effective date: 20051122
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 Owner: FNA ACQUISITION, INC., SOUTH CAROLINA PartyType: owner Effective date: 20051122
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 Owner: FNA POLYMER CORP., SOUTH CAROLINA PartyType: owner Effective date: 20051122
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 Owner: LORETEX CORPORATION, SOUTH CAROLINA OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 Owner: PGI EUROPE, INC., SOUTH CAROLINA OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 PartyType: owner Effective date: 20051122 Owner: PGI POLYMER, INC., SOUTH CAROLINA
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN

					PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 PartyType: owner Effective date: 20051122 Owner: PNA CORPORATION, SOUTH CAROLINA
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 Owner: POLY-BOND INC., SOUTH CAROLINA PartyType: owner Effective date: 20051122
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 Owner: POLYLONIX SEPARATION TECHNOLOGIES, INC., SOUTH CAR PartyType: owner Effective date: 20051122
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 Owner: POLYMER GROUP, INC., SOUTH CAROLINA PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 PartyType: owner OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 Owner: PRISTINE BRANDS CORPORATION, SOUTH CAROLINA
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:CITICORP NORTH AMERICA, INC., AS FIRST LIEN COLLATERAL AGENT;REEL/FRAME:016851/0436 Owner: TECHNETICS GROUP, INC., SOUTH CAROLINA PartyType: owner Effective date: 20051122
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Owner: BONLAM (S.C.), INC., SOUTH CAROLINA PartyType: owner Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 PartyType: owner Effective date: 20051122 Owner: CHICOPEE, INC., SOUTH CAROLINA
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Owner: DOMINION TEXTILE (USA) INC., SOUTH CAROLINA Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 Owner: FABPRO ORIENTED POLYMERS, INC., SOUTH CAROLINA PartyType: owner

US6096015 A	20051206	LSAS	AS	ASSIGNMENT	PartyType: owner Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 Owner: FABRENE CORP., SOUTH CAROLINA
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 Owner: FABRENE GROUP L.L.C., SOUTH CAROLINA OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 Owner: FIBERGOL CORPORATION, SOUTH CAROLINA OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 Owner: FIBERTECH GROUP, INC., SOUTH CAROLINA PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 PartyType: owner Owner: FNA ACQUISITION, INC., SOUTH CAROLINA
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 Owner: FNA POLYMER CORP., SOUTH CAROLINA PartyType: owner Effective date: 20051122
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 PartyType: owner Effective date: 20051122 Owner: LORETEX CORPORATION, SOUTH CAROLINA
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 PartyType: owner Effective date: 20051122 Owner: PGI EUROPE, INC., SOUTH CAROLINA
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 Owner: PGI POLYMER, INC., SOUTH CAROLINA PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Owner: PNA CORPORATION, SOUTH CAROLINA PartyType: owner Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL

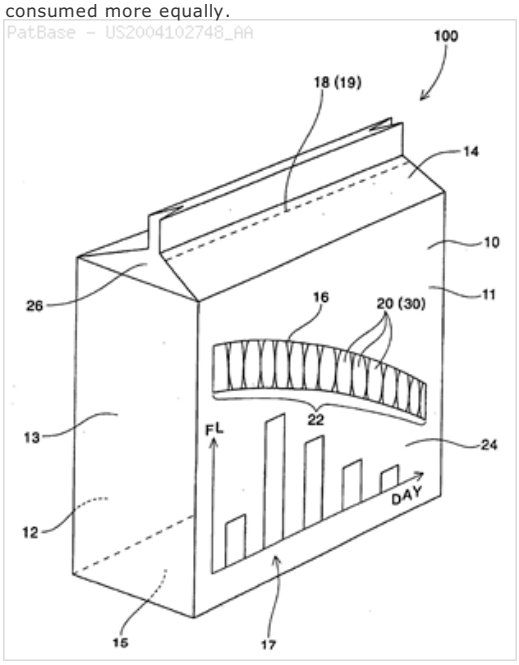
					AGENT;REEL/FRAME:016851/0471
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	PartyType: owner Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 Owner: POLY-BOND INC., SOUTH CAROLINA
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Owner: POLYLONIX SEPARATION TECHNOLOGIES, INC., SOUTH CAR PartyType: owner Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 Owner: POLYMER GROUP, INC., SOUTH CAROLINA PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	PartyType: owner Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 Owner: PRISTINE BRANDS CORPORATION, SOUTH CAROLINA
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	Effective date: 20051122 OldParty: RELEASE OF SECURITY INTEREST IN PATENTS;ASSIGNOR:WILMINGTON TRUST COMPANY, AS SECOND LIEN COLLATERAL AGENT;REEL/FRAME:016851/0471 Owner: TECHNETICS GROUP, INC., SOUTH CAROLINA PartyType: owner
US6096015 A	20051206	LSAS	AS	ASSIGNMENT	OldParty: SECURITY AGREEMENT;ASSIGNORS:POLYMER GROUP, INC.;CHICOPEE, INC.;FIBERTECH GROUP, INC.;AND OTHERS;REEL/FRAME:016851/0624 Owner: CITICORP NORTH AMERICA, INC., AS COLLATERAL AGENT, PartyType: owner Effective date: 20051122
US6096015 A	20080211		REMI	MAINTENANCE FEE REMINDER MAILED	
US6096015 A	20080801	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6096015 A	20080901	LSLE	PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6096015 A	20080901	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	Text: PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6096015 A	20080923	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	Effective date: 20080801
US6096015 A	20180702	PEXP		Calculated Patent Term Expiry	

94) Family number: 24711493 (US2004102748 AA)

Title: **DISPOSABLE** **ABSORBENT** **ARTICLES** CONTAINED IN PACKAGE HAVING WINDOW

Abstract: The present invention is directed to a **disposable** **absorbent** product, comprising: a package having at least one window and an outer surface; and a plurality of **disposable** **absorbent** **articles** contained in the package. The plurality of **disposable** **absorbent** **articles** include at least two different types of **absorbent** **articles** wherein each type of **absorbent** **articles** is identified by an indication means **disposed** on the respective **absorbent** **articles**. The indication means of the at least two types of **absorbent** **articles** can be seen through the at least one window. As a result, the plurality of types of **disposable** **absorbent** **articles** can be used or consumed more equally.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/84 A61F15/00 B65D25/00 B65D25/54 B65D30/10 B65D30/20 B65D33/00 B65D33/04 B65D33/38 B65D5/42 B65D75/62 B65D77/00 B65D77/02 B65D85/07 B65D85/16
International (IPC 1-7): A61B17/06 A61B19/02 A61F13/00 A61F13/15 A61F13/20 A61F15/00 A61L15/00 B65D30/10 B65D30/20 B65D33/38 B65D5/42 B65D75/62 B65D85/16
CPC: A61F13/551 A61F13/5511 A61F15/001 A61F2013/8497 B65D33/004 B65D33/04 B65D5/4204 B65D5/4216 B65D85/07
US: 206/438 206/438S 604/358 604/358P 604/385.02 604/385.020P



Family:

Publication number	Publication date	Application number	Application date
AU2002310006 AA	20021209	AU20020310006	20020521
BRPI0210006 A	20040810	BR2002PI10006	20020521
CA2444439 AA	20031014	CA20022444439	20020521
CA2444439 C	20070703	CA20022444439	20020521
CA2573237 AA	20021205	CA20022573237	20020521
CA2573237 C	20100209	CA20022573237	20020521
CN1729127 A	20060201	CN20028008607	20020521
EP1401718 A2	20040331	EP20020737041	20020521
JP2004537474 T2	20041216	JP20020592848T	20020521
KR20040004669 A	20040113	KR20037015584	20020521
MXPA03009965 A1	20040212	MX2003PA09965	20020521
US2004102748 AA	20040527	US20030719321	20031121
US2005209576 AA	20050922	US20050130674	20050517
WO02096331 A2	20021205	WO2002US16048	20020521
WO02096331 A3	20030313	WO2002US16048	20020521

Priority:

US20010294515P 20010530 WO2002US16048 20020521 CA20022444439 20020521
CA20022573237 20020521 US20030719321 20031121 US20050130674 20050517

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): HIROTSU DENNIS O ; HIROTSU DENNIS OSAMU ; PROCTER AND GAMBLE ; THE PROCTER AND GAMBLE COMPANY

Assignee(s): PROCTER AND GAMBLE CO ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司 ; 더 프록터 앤드 갬블 캄파니

Inventor(s): (std): HIROTSU DENNIS O ; HIROTSU DENNIS OSAMU ; OSAMU HIROTSU DENNIS

Inventor(s): DENNIS OSAMU HIROTSU ; HIROTSU DENNIS ; ヒロツ デニス オサム ; ヒロツ、デニス・オサム ; 丹尼斯·O·希罗茨 ; 히로츠데니스오사무

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; 村松 貞男; 橋本 良郎; 鈴江 武彦; 風間 鉄也; 김창세

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2002310006 AA	20021209	LSPB	+	published / reissued	
AU2002310006 AA	20040311	LSLE	-MK6	APPLICATION LAPSED	

				SECTION 142(2)(F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
BRPI0210006 A	20040810	LSPB	+	published / reissued	
BRPI0210006 A	20100209	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0210006 A	20100316	LSWD	B09Z	DECISION OF GRANT: DECISION CANCELLED	Text: REFERENTE A RPI NO 2040, DE 09/02/2010, ITEM DE DESPACHO 9.1
BRPI0210006 A	20100323	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0210006 A	20110816	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0210006 A	20120522	LSRV	B09B	DECISION: REFUSAL	Text: INDEFIRO O PEDIDO DE ACORDO COM O(S) ARTIGO(S) 8O E 13 DA LPI
BRPI0210006 A	20130910	LSRV	B09B	DECISION: REFUSAL	Text: MANTIDO O INDEFERIMENTO UMA VEZ QUE NAO FOI APRESENTADO RECURSO DENTRO DO PRAZO LEGAL.
CA2444439 AA	20031014	LSPB	+	published / reissued	
CA2444439 AA	20031014	LSES	+EEER	EXAMINATION REQUEST	
CA2444439 C	20070703	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2444439 C	20160705	LSLE	-MKLA	LAPSED	Effective date: 20160524
CA2444439 C	20220521	PEXP		Calculated Patent Term Expiry	
CA2573237 AA	20021205	LSPB	+	published / reissued	
CA2573237 AA	20070123	LSES	+EEER	EXAMINATION REQUEST	
CA2573237 C	20100209	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2573237 C	20160705	LSLE	-MKLA	LAPSED	Effective date: 20160524
CA2573237 C	20220521	PEXP		Calculated Patent Term Expiry	
CN1729127 A	20060201	LSPB	+	published / reissued	
CN1729127 A	20060201	LSPB	+C06	PUBLICATION	
CN1729127 A	20060329		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN1729127 A	20100310	LSRV	-C12	REJECTION OF A PATENT APPLICATION AFTER ITS PUBLICATION	
EP1401718 A2	20040331	LSPB	+	published / reissued	
EP1401718 A2	20040331	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20031117
EP1401718 A2	20040331		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
EP1401718 A2	20040331		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL LT LV MK RO SI
EP1401718 A2	20050629	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20050518
EP1401718 A2	20120912	LSWD	-18W	APPLICATION WITHDRAWN	Effective date: 20120809
JP2004537474 T2	20041208	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Text: JAPANESE INTERMEDIATE CODE: A621 Effective date: 20041207
JP2004537474 T2	20041216	LSPB	+	published / reissued	
JP2004537474 T2	20070516	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20070515
JP2004537474 T2	20071010	LSRV	-A02	DECISION OF REFUSAL	Effective date: 20071009 Text: JAPANESE

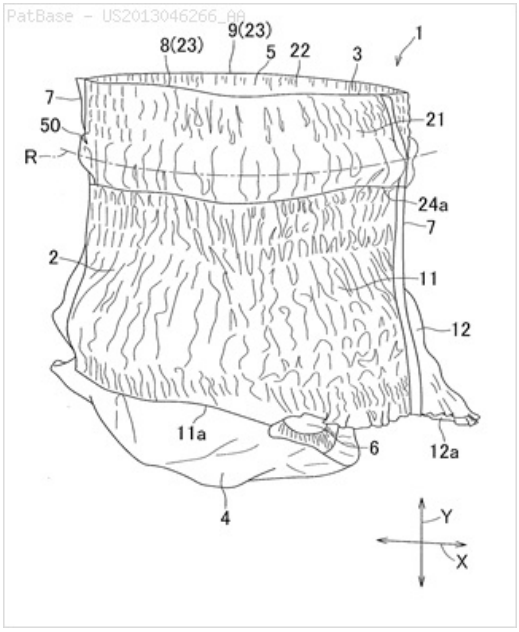
					INTERMEDIATE CODE: A02
JP2004537474 T2	20080108	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20080107
JP2004537474 T2	20080205		RD04	NOTIFICATION OF RESIGNATION OF POWER OF ATTORNEY	Text: JAPANESE INTERMEDIATE CODE: A7424 Effective date: 20080107
JP2004537474 T2	20080218	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	Text: JAPANESE INTERMEDIATE CODE: A911 Effective date: 20080215
JP2004537474 T2	20080331	LSAL	-A912	REMOVAL OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	Effective date: 20080328 Text: JAPANESE INTERMEDIATE CODE: A912
JP2004537474 T2	20090725		A601	WRITTEN REQUEST FOR EXTENSION OF TIME	Effective date: 20090724 Text: JAPANESE INTERMEDIATE CODE: A601
JP2004537474 T2	20090730		A602	WRITTEN PERMISSION OF EXTENSION OF TIME	Effective date: 20090729 Text: JAPANESE INTERMEDIATE CODE: A602
KR20040004669 A	20031128	LSES	A201	REQUEST FOR EXAMINATION	
KR20040004669 A	20040113	LSPB	+	published / reissued	
KR20040004669 A	20050829	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20040004669 A	20060228	LSRE	AMND	AMENDMENT	
KR20040004669 A	20060626	LSRV	-E601	DECISION TO REFUSE APPLICATION	
KR20040004669 A	20060727	LSRE	AMND	AMENDMENT	
KR20040004669 A	20060727		J201	REQUEST FOR TRIAL AGAINST REFUSAL DECISION	
KR20040004669 A	20061002		E801	DECISION ON DISMISSAL OF AMENDMENT	
KR20040004669 A	20061010		B601	MAINTENANCE OF ORIGINAL DECISION AFTER RE-EXAMINATION BEFORE A TRIAL	
KR20040004669 A	20070227		J301	TRIAL DECISION	Text: TRIAL DECISION FOR APPEAL AGAINST DECISION TO DECLINE REFUSAL REQUESTED 20060727 Effective date: 20070227

95) Family number: 49960174 (US2013046266 AA)

Title: **DISPOSABLE** WEARING **ARTICLE**

Abstract: A **disposable** wearing **article** includes front and rear outer sheets, an inner sheet, and front and rear waist-opening sheets. Each of first sheet segments of the waist-opening sheets is longer than the corresponding second sheet segments. End portions are bonded to outer surfaces of the outer sheets. In areas where the end portions are spaced apart from the front and rear outer sheets, the first sheet segments and the inner sheet are overlapped to form low stiffness sub-regions. In respective sides inboard of the low stiffness sub-regions, the inner sheet, the front and rear outer sheets and the first sheet segments are respectively overlapped to form inner high stiffness sub-regions, and in respective sides outboard of the low stiffness sub-regions, the inner sheet, the second sheet segments and the first sheet segments are overlapped to form outer high stiffness sub-regions.

Classifications:
International (IPC 8-9): A61F13/49 A61F13/493 A61F13/496 A61F13/539 A61F13/551
CPC: A61F13/49011 A61F13/4906 A61F13/496 A61F13/539 A61F2013/49066
US: 604/385.24 604/385.29 604/385.3 604/394



Family:

Publication number	Publication date	Application number	Application date
CN102905664 A	20130130	CN201180024882	20110517
DE602011025338 D1	20160525	DE201160025338T	20110517
EP2572688 A1	20130327	EP20110783560	20110517
EP2572688 A4	20140416	EP20110783560	20110517
EP2572688 B1	20160413	EP20110783560	20110517
JP2011240052 A2	20111201	JP20100116693	20100520
JP5530251 B2	20140625	JP20100116693	20100520
MY161437 A	20170414	MY20120004893	20110517
SG185380 A1	20121228	SG20120080198	20110517
TH125023 A	20130628	TH20121006023	20110517
TW201208653 A	20120301	TW20110116764	20110513
US2013046266 AA	20130221	US20110643636	20110517
US8979816 BB	20150317	US20110643636	20110517
WO11145626 A1	20111124	WO2011JP61338	20110517

Priority:
JP20100116693 20100520 WO2011JP61338 20110517 EP20110783560 20110517

Probable Assignee: UNICHARM CORP

Assignee(s): (std): KAWAKAMI YUSUKE ; UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CO LTD ; UNICHARM CORPORATION ; UNICHARM SHIKOKUCHUO SHI CORP ; □□□□□□ □□□□□□□□□ ; ユニ チャーム株式会社 ; ユニ･チャーム株式会社 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司 ; 川上 祐介

Inventor(s): (std): KAWAKAMI YUSUKE

Inventor(s): □□□□□□□□ □□□□□□□□ ; 川上 祐介

Agent(s): LOWE HAUPTMAN AND HAM LLP; PETER JULIAN; SHIRAHAMA YOSHIHARU ET AL; □□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□□□ □□□□□□□, □□□□□□□□ □□□□□□□□□; 中国国际贸易促进委员会专利商标事务所 11038; 吕林红; 林志刚; 白浜 吉治; 白浜 秀二; 齋藤 博子

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN102905664 A	20130130	LSPB	+	published / reissued	

CN102905664 A	20130130	LSPB	+C06	PUBLICATION	
CN102905664 A	20130529		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN102905664 A	20150311	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
DE602011025338 D1	20140310		R079	AMENDMENT OF IPC MAIN CLASS	ClassificationSymbol: A61F0013496000 ClassificationScheme: IPC Text: PREVIOUS MAIN CLASS: A61F0013496000
EP2572688 A1	20130327	LSPB	+	published / reissued	
EP2572688 A1	20130327	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20121030
EP2572688 A1	20130327		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2572688 A1	20130828		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2572688 A1	20160630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 6 Payment date: 20160526 Country of Ref document: NL
EP2572688 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 6 Payment date: 20160518 Country of Ref document: GB
EP2572688 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 6 Payment date: 20160518 Country of Ref document: DE
EP2572688 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 6 Payment date: 20160526 Country of Ref document: FR
EP2572688 A1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20160526 Year of fee payment: 6 Country of Ref document: SE
EP2572688 A4	20140416	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20140314
EP2572688 A4	20140416		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/539 20060101ALI20140310BHEP
EP2572688 A4	20140416		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/49 20060101ALI20140310BHEP
EP2572688 A4	20140416		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/496 20060101AFI20140310BHEP
EP2572688 A4	20141217	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20141113
EP2572688 A4	20151125	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20151026
EP2572688 B1	20160413	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2572688 B1	20160413		+AK	DESIGNATED CONTRACTING	Kind code of Ref document: B1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU

				STATES	IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2572688 B1	20160413	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP2572688 B1	20160415	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: EP
EP2572688 B1	20160415	LSNP	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20160415 Kind code of Ref document: T Ref country code: AT Ref document number: 789283 Ref legal event code: REF Country of Ref document: AT
EP2572688 B1	20160504	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: IE
EP2572688 B1	20160525	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref legal event code: R096 Ref document number: 602011025338 Country of Ref document: DE
EP2572688 B1	20160526	LSFE	REG	REFERENCE TO A NATIONAL CODE	Year of fee payment: 6 Ref country code: FR Ref legal event code: PLFP Country of Ref document: FR
EP2572688 B1	20160628		REG	REFERENCE TO A NATIONAL CODE	Ref country code: SE Ref legal event code: TRGR
EP2572688 B1	20160629		REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FP Ref country code: NL
EP2572688 B1	20160810	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: LT Ref legal event code: MG4D
EP2572688 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160531 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: BE
EP2572688 B1	20160915	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20160413 Kind code of Ref document: T Ref country code: AT Ref document number: 789283 Ref legal event code: MK05 Country of Ref document: AT
EP2572688 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LT
EP2572688 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP2572688 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160713 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: NO
EP2572688 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PL
EP2572688 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: HR
EP2572688 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				OFFICE TO EPO]	Country of Ref document: LV
EP2572688 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160413 Country of Ref document: AT
EP2572688 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160714 Country of Ref document: GR
EP2572688 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RS
EP2572688 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160413 Country of Ref document: ES
EP2572688 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160816 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP2572688 B1	20161230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160413 Country of Ref document: BE
EP2572688 B1	20161230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IT
EP2572688 B1	20161230	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP2572688 B1	20170116	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref legal event code: R097 Ref document number: 602011025338 Country of Ref document: DE
EP2572688 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP2572688 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP2572688 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160531 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LI
EP2572688 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160413

				OFFICE TO EPO]	Country of Ref document: CZ
EP2572688 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MC
EP2572688 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP2572688 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160531 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP2572688 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160413 Country of Ref document: RO
EP2572688 B1	20170222	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MM4A Ref country code: IE
EP2572688 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SM
EP2572688 B1	20170322	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20170116
EP2572688 B1	20170413	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: PLFP Year of fee payment: 7
EP2572688 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160517 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP2572688 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160413 Country of Ref document: SI
EP2572688 B1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170412 Year of fee payment: 7 Country of Ref document: NL
EP2572688 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170509 Year of fee payment: 7 Country of Ref document: DE
EP2572688 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170413 Year of fee payment: 7 Country of Ref document: FR
EP2572688 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20170517 Country of Ref document: GB
EP2572688 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170511 Year of fee payment: 7 Country of Ref document: SE

EP2572688 B1	20180411	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: PLFP Year of fee payment: 8
EP2572688 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180329 Year of fee payment: 8 Country of Ref document: GB
EP2572688 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110517 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Country of Ref document: HU
EP2572688 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CY
EP2572688 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP2572688 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MK
EP2572688 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160517 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LU
EP2572688 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160413 Country of Ref document: TR
EP2572688 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20160531 Country of Ref document: MT
EP2572688 B1	20180629	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180412 Year of fee payment: 8 Country of Ref document: NL
EP2572688 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: BG
EP2572688 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180502 Year of fee payment: 8 Country of Ref document: DE
EP2572688 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180411 Year of fee payment: 8 Country of Ref document: FR
EP2572688 B1	20180928	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL	Year of fee payment: 8 Payment date: 20180511

				OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Country of Ref document: SE
EP2572688 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160413 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AL
EP2572688 B1	20190628	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190412 Year of fee payment: 9 Country of Ref document: NL
EP2572688 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190508 Year of fee payment: 9 Country of Ref document: DE
EP2572688 B1	20190830	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190410 Year of fee payment: 9 Country of Ref document: FR
EP2572688 B1	20190830	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20190513 Year of fee payment: 9 Country of Ref document: SE
EP2572688 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20190515 Country of Ref document: GB
EP2572688 B1	20200731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 10 Payment date: 20200506 Country of Ref document: DE
EP2572688 B1	20200731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20200417 Year of fee payment: 10 Country of Ref document: NL
EP2572688 B1	20200731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20200414 Year of fee payment: 10 Country of Ref document: FR
EP2572688 B1	20310517	PEXP		Calculated Patent Term Expiry	
JP2011240052 A2	20111201	LSPB	+	published / reissued	
JP2011240052 A2	20130510	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Effective date: 20130509 Text: JAPANESE INTERMEDIATE CODE: A621
JP2011240052 A2	20131009	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20131008
JP2011240052 A2	20131128	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20131127
JP2011240052 A2	20140408	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2011240052 A2	20140416	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20140415 Text: JAPANESE INTERMEDIATE CODE: A01
JP2011240052 A2	20140424	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Text: JAPANESE INTERMEDIATE CODE: A61 Effective date: 20140418
JP5530251 B2	20140417	LSGT	+A01	特許査定書	
JP5530251 B2	20140422	LSFE	R100	特許料納付書	

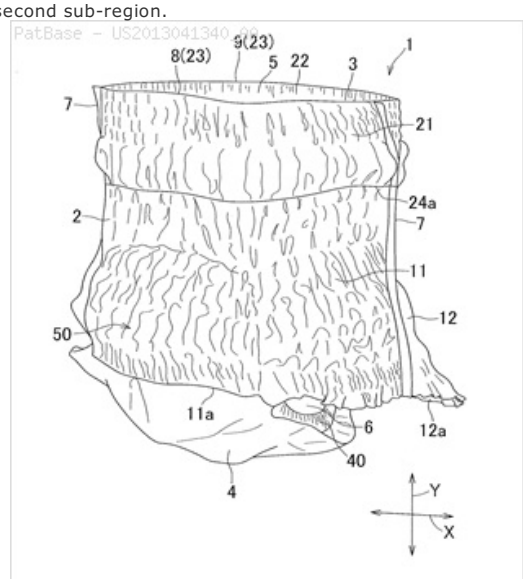
JP5530251 B2	20140425	LSGT	+R150	特許証	
JP5530251 B2	20140625	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5530251 B2	20170316	LSFE	R20	特許料納付書	
JP5530251 B2	20170328	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5530251 B2	20170328	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5530251 B2	20180315	LSFE	R20	特許料納付書	
JP5530251 B2	20180320	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5530251 B2	20180320	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5530251 B2	20190314	LSFE	R20	特許料納付書	
JP5530251 B2	20190319	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5530251 B2	20190319	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5530251 B2	20200310	LSFE	R20	特許料納付書	Effective date: 20200309
JP5530251 B2	20200311	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5530251 B2	20200311	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20200327
JP5530251 B2	20300520	PEXP		Calculated Patent Term Expiry	
MY161437 A	20170414	LSGT	+	granted / extensions (spc, cpc, pte)	
MY161437 A	20310517	PEXP		Calculated Patent Term Expiry	
SG185380 A1	20121228	LSPB	+	published / reissued	
TH125023 A	20130628	LSPB	+	published / reissued	

96) Family number: 49960175 (US2013041340 AA)

Title: **DISPOSABLE** WEARING **ARTICLE**

Abstract: In a **disposable** wearing **article**, front and rear waist elastics are attached between respective outer and inner sheets. An **absorbent** structure and leg-cuffs are attached to an inner side of the inner sheet. Lateral proximal portions of the respective leg cuffs are bonded between the **absorbent** structure and the inner sheet and lateral distal portions of the respective leg cuffs extend outwardly in a transverse direction beyond the **absorbent** structure and are not bonded to the inner sheet. These lateral distal portions are provided with a plurality of cuff elastics. Front and rear waist regions respectively include first through third sub-regions which are adjacent one to another in this order and the respective sub-regions are provided with first through third waist elastics. A tensile stress in the first and third sub-regions is higher than that in the second sub-region and the cuff elastics extend to at least the second sub-region.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/493 A61F13/494 A61F13/496 A61F13/53 A61F13/551
CPC: A61F13/49001 A61F13/49009 A61F13/49011 A61F13/49017 A61F13/49019 A61F13/49061 A61F13/49406 A61F13/4946 A61F13/496 A61F2013/15292 A61F2013/15357 A61F2013/49493
US: 604/385.24 604/385.25 604/385.26 604/385.28 604/385.29 604/385.3



Family:

Publication number	Publication date	Application number	Application date
CN102905665 A	20130130	CN201180024916	20110517
DE602011030795 D1	20161110	DE201160030795T	20110517
EP2572689 A1	20130327	EP20110783561	20110517
EP2572689 A4	20140409	EP20110783561	20110517
EP2572689 B1	20160928	EP20110783561	20110517
JP2011240054 A2	20111201	JP20100116775	20100520
JP5530252 B2	20140625	JP20100116775	20100520
MY158639 A	20161031	MY20120004892	20110517
SG185381 A1	20121228	SG20120080206	20110517
TH124487 A	20130606	TH20121006024	20110517
TW201208654 A	20120301	TW20110116877	20110513
TWI531359 B	20160501	TW20110116877	20110513
US2013041340 AA	20130214	US20110643655	20110517
US8986276 BB	20150324	US20110643655	20110517
WO11145627 A1	20111124	WO2011JP61339	20110517

Priority:
JP20100116775 20100520 WO2011JP61339 20110517 EP20110783561 20110517

Probable Assignee: UNICHARM CORP

Assignee(s): (std): KAWAKAMI YUSUKE ; KOSAKA SHOSHI ; UNI CHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CO LTD ; UNICHARM CORPORATION ; UNICHARM SHIKOKUCHUO SHI CORP ; □□□□□□ □□□□□□□□□□ ; ユニ チャーム株式会社 ; ユニ・チャーム株式会社 ; 優你 嬌美股份有限公司 ; 尤妮佳股份有限公司 ; 川上 祐介 ; 高阪 翔士

Inventor(s): (std): KAWAKAMI YUSUKE ; KOSAKA SHOSHI ; SHOSHI KOSAKA ; TAKASAKA SHOSHI ; YUSUKE KAWAKAMI

Inventor(s): □□□ □□□□□ □□□□□□□ ; □□□□□□ □□□□□□ ; 川上 祐介 ; 高 阪 翔士

Agent(s): LOWE HAUPTMAN AND HAM LLP; PATENTANWAELTE STAEGER AND SPERLING PARTNERSCHAFTSGESELLSCHAFT MBB; PETER JULIAN; SHIRAHAMA YOSHIHARU ET AL; □□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□□ □□□□□□□, □□□□□□□□ □□□□□□□□□; 中国国际贸易促进委员会专利商标事务所 11038; 林志剛; 白浜 吉治; 白浜 秀二; 郭小军; 齋藤 博子

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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CN102905665 A	20130130	LSPB	+	published / reissued	
CN102905665 A	20130130	LSPB	+C06	PUBLICATION	

CN102905665 A	20130529		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN102905665 A	20150318	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
DE602011030795 D1	20140306		R079	AMENDMENT OF IPC MAIN CLASS	ClassificationScheme: IPC ClassificationSymbol: A61F0013496000 Text: PREVIOUS MAIN CLASS: A61F0013496000
EP2572689 A1	20130327	LSPB	+	published / reissued	
EP2572689 A1	20130327	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20121030
EP2572689 A1	20130327		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2572689 A1	20130828		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2572689 A4	20140409	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	Effective date: 20140312
EP2572689 A4	20140409		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/494 20060101ALI20140306BHEP
EP2572689 A4	20140409		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/15 20060101ALI20140306BHEP
EP2572689 A4	20140409		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/53 20060101ALI20140306BHEP
EP2572689 A4	20140409		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationScheme: IPC ClassificationSymbol: A61F 13/496 20060101AFI20140306BHEP
EP2572689 A4	20140409		RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	ClassificationSymbol: A61F 13/49 20060101ALI20140306BHEP ClassificationScheme: IPC
EP2572689 A4	20141210	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20141105
EP2572689 A4	20160615	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	Effective date: 20160519
EP2572689 B1	20160928	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2572689 B1	20160928		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
EP2572689 B1	20160928	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP2572689 B1	20160930	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: EP Ref country code: CH
EP2572689 B1	20161015	LSNP	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20161015 Ref document number: 832110 Ref country code: AT Ref legal event code: REF Kind code of Ref document: T Country of Ref document: AT
EP2572689 B1	20161102	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP2572689 B1	20161110	LSPB	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: R096 Ref document number: 602011030795 Ref country code: DE Country of Ref document: DE

EP2572689 B1	20170125	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MG4D Ref country code: LT
EP2572689 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160928 Country of Ref document: HR
EP2572689 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160928 Country of Ref document: RS
EP2572689 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20161228 Country of Ref document: NO
EP2572689 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160928 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP2572689 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160928 Country of Ref document: LT
EP2572689 B1	20170201		REG	REFERENCE TO A NATIONAL CODE	Ref country code: NL Ref legal event code: MP Effective date: 20160928
EP2572689 B1	20170215	LSRV	REG	REFERENCE TO A NATIONAL CODE	Ref country code: AT Ref document number: 832110 Kind code of Ref document: T Effective date: 20160928 Ref legal event code: MK05 Country of Ref document: AT
EP2572689 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160928 Country of Ref document: LV
EP2572689 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160928 Country of Ref document: NL
EP2572689 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160928 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SE
EP2572689 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20161229 Country of Ref document: GR
EP2572689 B1	20170413	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Ref legal event code: PLFP Year of fee payment: 7
EP2572689 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160928 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: RO

EP2572689 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160928 Country of Ref document: EE
EP2572689 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160928 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP2572689 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160928 Country of Ref document: ES
EP2572689 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160928 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP2572689 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160928 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SM
EP2572689 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160928 Country of Ref document: BE
EP2572689 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20161228 Country of Ref document: BG
EP2572689 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160928 Country of Ref document: PL
EP2572689 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160928 Country of Ref document: AT
EP2572689 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170130 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP2572689 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170128 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP2572689 B1	20170629	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref document number: 602011030795 Ref legal event code: R097 Country of Ref document: DE
EP2572689 B1	20170630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160928 Country of Ref document: IT
EP2572689 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160928 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP2572689 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20170517 Country of Ref document: GB
EP2572689 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20170509 Year of fee payment: 7 Country of Ref document: DE
EP2572689 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20170413 Country of Ref document: FR
EP2572689 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20170531 Country of Ref document: LU
EP2572689 B1	20170906	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20170629
EP2572689 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160928 Country of Ref document: SI
EP2572689 B1	20171229	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP2572689 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20160928 Country of Ref document: MC
EP2572689 B1	20180221	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: MM4A
EP2572689 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170531 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LI
EP2572689 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170531 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP2572689 B1	20180330	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20170517 Country of Ref document: LU
EP2572689 B1	20180411	LSFE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PLFP Year of fee payment: 8 Ref country code: FR
EP2572689 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION	Lapsed date: 20170517 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE

				FROM NATIONAL OFFICE TO EPO]	
EP2572689 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180329 Year of fee payment: 8 Country of Ref document: GB
EP2572689 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180502 Year of fee payment: 8 Country of Ref document: DE
EP2572689 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20180411 Year of fee payment: 8 Country of Ref document: FR
EP2572689 B1	20180928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20170517 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: MT
EP2572689 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160928 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AL
EP2572689 B1	20190628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO Lapsed date: 20110517 Country of Ref document: HU
EP2572689 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20190508 Country of Ref document: DE
EP2572689 B1	20190830	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20190410 Country of Ref document: FR
EP2572689 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20160928 Country of Ref document: CY
EP2572689 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 9 Payment date: 20190515 Country of Ref document: GB
EP2572689 B1	20191129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160928 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: MK
EP2572689 B1	20200331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20160928 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP2572689 B1	20200731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20200506 Year of fee payment: 10 Country of Ref document: DE
EP2572689 B1	20200731	LSFE	+PGFP	ANNUAL FEE PAID	Payment date: 20200414

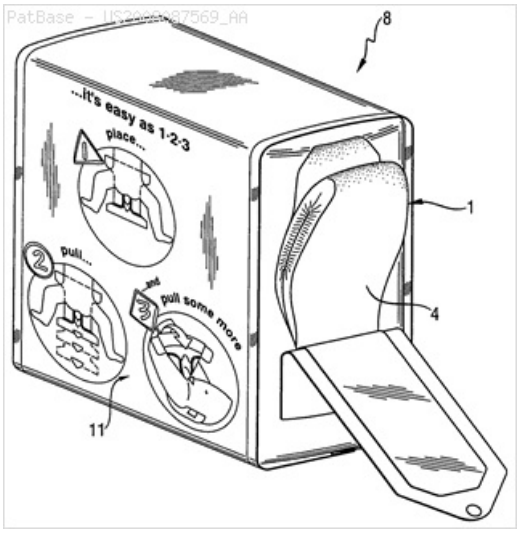
				TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 10 Country of Ref document: FR
EP2572689 B1	20310517	PEXP		Calculated Patent Term Expiry	
JP2011240054 A2	20111201	LSPB	+	published / reissued	
JP2011240054 A2	20130510	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	Effective date: 20130509 Text: JAPANESE INTERMEDIATE CODE: A621
JP2011240054 A2	20131009	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Text: JAPANESE INTERMEDIATE CODE: A131 Effective date: 20131008
JP2011240054 A2	20131128	LSRE	A521	WRITTEN AMENDMENT	Effective date: 20131127 Text: JAPANESE INTERMEDIATE CODE: A523
JP2011240054 A2	20140408	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2011240054 A2	20140416	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	Effective date: 20140415 Text: JAPANESE INTERMEDIATE CODE: A01
JP2011240054 A2	20140424	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	Effective date: 20140418 Text: JAPANESE INTERMEDIATE CODE: A61
JP5530252 B2	20140417	LSGT	+A01	特許査定書	
JP5530252 B2	20140422	LSFE	R100	特許料納付書	
JP5530252 B2	20140425	LSGT	+R150	特許証	
JP5530252 B2	20140625	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5530252 B2	20170316	LSFE	R20	特許料納付書	
JP5530252 B2	20170328	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5530252 B2	20170328	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5530252 B2	20180315	LSFE	R20	特許料納付書	
JP5530252 B2	20180320	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5530252 B2	20180320	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5530252 B2	20190314	LSFE	R20	特許料納付書	
JP5530252 B2	20190319	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5530252 B2	20190319	LSFE	+R250	年金領収書, 年金領収書 (分納)	
JP5530252 B2	20200310	LSFE	R20	特許料納付書	Effective date: 20200309
JP5530252 B2	20200311	LSFE	+R250	RECEIPT OF ANNUAL FEES	Text: JAPANESE INTERMEDIATE CODE: R250
JP5530252 B2	20200311	LSFE	+R250	年金領収書, 年金領収書 (分納)	Effective date: 20200327
JP5530252 B2	20300520	PEXP		Calculated Patent Term Expiry	
MY158639 A	20161031	LSGT	+	granted / extensions (spc, cpc, pte)	
MY158639 A	20310517	PEXP		Calculated Patent Term Expiry	
SG185381 A1	20121228	LSPB	+	published / reissued	
TH124487 A	20130606	LSPB	+	published / reissued	

97) Family number: 41730249 (US2008087569 AA)

Title: PACKAGE FOR **DISPOSABLE** **ABSORBENT** **ARTICLES** AND KIT OF PACKAGE AND **DISPOSABLE** **ABSORBENT** **ARTICLE**

Abstract: A kit of one or more **disposable** **absorbent** **articles** and a package, and in another embodiment, a package suitable for **disposable** **absorbent** **articles** are claimed, said package comprising secondary information, conveying to the wearer or caregiver how to apply the **article** and showing said **article**, and said **article** of the kit and shown on the package comprising at least primary serviceable indicium to aid the wearer or caregiver with the application of said **article** and to ensure proper use and optimal performance of the **article**.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/494 A61F13/495 A61F13/84 B65D69/00 B65D73/00 B65D77/24
CPC: A61F13/495 A61F13/5511 A61F13/84 A61F15/001
US: 206/440 206/459.5 206/494 206/570 604/385.01 604/385.23 604/385.230S 604/385.24 604/385.240S



Family:

Publication number	Publication date	Application number	Application date
CA2667034 AA	20090417	CA20072667034	20071017
CN101528176 A	20090909	CN200780038655	20071017
EP2073777 A1	20090701	EP20070826775	20071017
JP2010506647 T2	20100304	JP20090532945T	20071017
MX2009003992 A1	20090427	MX20090003992	20071017
US2008087569 AA	20080417	US20070873867	20071017
US7717895 BB	20100518	US20070873867	20071017
WO08047318 A1	20080424	WO2007IB54230	20071017

Priority:

US20060852189P 20061017 WO2007IB54230 20071017 US20070873867 20071017

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): CAIN KARA MARIE ; INNES SARAH ; MARTYNUS CORNELIA BEATE ; MENSAH EKOW ; PONOMARENKO EKATERINA ANATOLYE ; PROCTER AND GAMBLE

Assignee(s): PONOMARENKO EKATERINA ANATOLYEVNA ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司

Inventor(s): (std): ANATOLYE PONOMARENKO EKATERINA ; BEATE MARTYNUS CORNELIA ; CAIN KARA MARIE ; EKOW MENSAH ; INNES SARAH ; MARIE CAIN KARA ; MARTYNUS CORNELIA BEATE ; MENSAH EKOW ; PONOMARENKO EKATERINA ANATOLYE ; PONOMARENKO EKATERINA ANATOLYEVNA ; SARAH INNES

Inventor(s): CORNELIA BEATE MARTYNUS ; EKATERINA ANATOLYEVNA PONOMARENKO ; KARA MARIE CAIN ; エカテリーナ アナトリエフナ ポノマレンコ ; エコー メンサー ; カラ マリー ケイン ; コーネリア ベアーテ マルティヌス ; サラ イネス ; 卡拉 M 凯恩 ; 埃卡特里纳 A 波诺马伦科 ; 埃科 门萨 ; 科妮莉亚 B 马蒂纳斯 ; 萨拉 英尼斯

Agent(s): DIMOCK STRATTON LLP; MCGREGOR JUDIT ESTER; NAGAI HIROSHI; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; RICHARD L; THE PROCTER AND GAMBLE COMPANY; WILLIAM E; WILSON LUE LLP; 加島 広基; 勝沼 宏仁; 北京市柳沈律师事务所; 吉武 賢次; 封新琴; 岡田 淳平; 永井 浩之

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
CA2667034 AA	20090417	LSPB	+	published / reissued	
CA2667034 AA	20090417	LSES	+EEER	EXAMINATION REQUEST	
CA2667034 AA	20131212	LSLE	-FZDE	DEAD	Effective date: 20131017
CN101528176 A	20090909	LSPB	+	published / reissued	
CN101528176 A	20090909	LSPB	+C06	PUBLICATION	

CN101528176 A	20091104		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101528176 A	20130619	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
EP2073777 A1	20090701	LSPB	+	published / reissued	
EP2073777 A1	20090701	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20090319
EP2073777 A1	20090701		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR
EP2073777 A1	20090701		+AX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT	Country of Ref document: AL BA HR MK RS
EP2073777 A1	20100113	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20091211
EP2073777 A1	20120815		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP2073777 A1	20131030	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	Effective date: 20130503
JP2010506647 T2	20100304	LSPB	+	published / reissued	
JP2010506647 T2	20110719		A977	REPORT ON RETRIEVAL	Text: JAPANESE INTERMEDIATE CODE: A971007 Effective date: 20110719
JP2010506647 T2	20110725	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	Effective date: 20110722 Text: JAPANESE INTERMEDIATE CODE: A131
JP2010506647 T2	20111025	LSRE	A521	WRITTEN AMENDMENT	Text: JAPANESE INTERMEDIATE CODE: A523 Effective date: 20111024
JP2010506647 T2	20120425	LSRV	-A02	DECISION OF REFUSAL	Effective date: 20120424 Text: JAPANESE INTERMEDIATE CODE: A02
MX2009003992 A1	20090427	LSPB	+	published / reissued	
MX2009003992 A1	20101221	LSGT	+FG	GRANT OR REGISTRATION	
US2008087569 AA	20080417	LSPB	+	published / reissued	
US2008087569 AA	20100428	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	Text: PATENTED CASE
US7717895 BB	20071017	LSAS	AS	ASSIGNMENT	OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:PONOMARENKO, EKATERINA ANATOLYEVNA;MARTYNUS, CORNELIA BEATE;CAIN, KARA MARIE;AND OTHERS;REEL/FRAME:019988/0411;SIGNING DATES FROM 20061122 TO 20070104 PartyType: owner Owner: PROCTER & GAMBLE COMPANY, THE, OHIO
US7717895 BB	20071017	LSAS	AS	ASSIGNMENT	Owner: PROCTER & GAMBLE COMPANY, THE,OHIO OldParty: ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:PONOMARENKO, EKATERINA ANATOLYEVNA;MARTYNUS, CORNELIA BEATE;CAIN, KARA MARIE;AND OTHERS;SIGNING DATES FROM 20061122 TO 20070104;REEL/FRAME:019988/0411 PartyType: owner
US7717895 BB	20100428	LSGT	PAT1	Patented Case	
US7717895 BB	20100518	LSGT	+	granted / extensions (spc, cpc, pte)	
US7717895 BB	20131011	LSFE	+FPAY	FEE PAYMENT	Year of fee payment: 4
US7717895 BB	20171107	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	Year of fee payment: 8
US7717895 BB	20280430	PEXP		Calculated Patent Term Expiry (PTA 196	

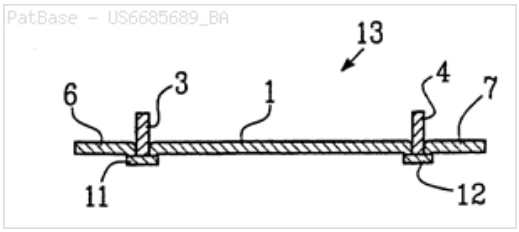
				days)	
WO08047318 A1	20071017	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 200780038655.6 Country of Ref document: CN
WO08047318 A1	20080424	LSPB	+	published / reissued	
WO08047318 A1	20080618		121	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION	Ref document number: 07826775 Kind code of Ref document: A1 Country of Ref document: EP
WO08047318 A1	20090319	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2007826775 Country of Ref document: EP
WO08047318 A1	20090415	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: MX/A/2009/003992 Country of Ref document: MX
WO08047318 A1	20090417	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	Kind code of Ref document: A Ref document number: 2009532945 Country of Ref document: JP
WO08047318 A1	20090417	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	Ref document number: 2667034 Country of Ref document: CA
WO08047318 A1	20090418	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE	Ref country code: DE

98) Family number: 15489820 (US6685689 BA)

Title: METHOD OF PRODUCING AN OUTER SHEET THAT INCLUDES BARRIER FLAPS, AND AN OUTER SHEET PRODUCED IN ACCORDANCE THEREWITH

Abstract: A method for producing an elongate sheet of material that includes barrier flaps which extend along the side-edges of said sheet in spaced relationship with respective side-edges, and which project up from the plane of the sheet, including placing along each edge-part of a first elongate web a narrower second elongate web, so the outer side-edges of respective second webs will lie edge-to-edge with the side-edges of the first web; placing along each edge-part of the first elongate web and on top of respective second webs a third elongate sheet narrower than the first sheet, so the outer side-edges of respective third webs will lie edge-to-edge with the side-edges of the first and second webs; joining the first, second and third webs together with a join extending along the outer side-edges of the webs; and swinging the third webs laterally outwards through 180 degrees around the join lines.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/472 A61F13/49 A61F13/494 A61F13/511 A61F5/44
International (IPC 1-7): A61F1/315 A61F13/15 A61F13/472 A61F13/49 A61F13/494 A61F13/511 A61F5/44
CPC: A61F13/15699
US: 604/358 604/378 604/385.01 604/385.101 604/385.28



Family:

Publication number	Publication date	Application number	Application date
AT235208 E	20030415	AT19990933424T	19990701
DE69906344 D1	20030430	DE19996006344T	19990701
DE69906344 T2	20031224	DE19996006344T	19990701
DK1124523 T3	20030512	DK19990933424T	19990701
EP1124523 A2	20010822	EP19990933424	19990701
EP1124523 B1	20030326	EP19990933424	19990701
JP2002519142 T2	20020702	JP20000557781T	19990701
SE517641 C2	20020702	SE19980002374	19980702
SE9802374 A0	19980702	SE19980002374	19980702
SE9802374 L	20000103	SE19980002374	19980702
TW411270 B	20001111	TW19990111201	19990701
US6685689 BA	20040203	US20010720909	20010402
WO0001333 A2	20000113	WO1999SE01200	19990701
WO0001333 A3	20000518	WO1999SE01200	19990701
WO0001333 C2	20000720	WO1999SE01200	19990701

Priority:
SE19980002374 19980702 WO1999SE01200 19990701

Probable Assignee: SCA HYGIENE PRODUCTS AB

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

Assignee(s): SCA HYGIENE PRODUCTS AB GOETEBORG GOTENBURG ; SCA HYGIENE PRODUCTS S AB ; SCA MOELNLYCKE AB ; SCA衛生産品公司 ; エシティ ハイジーン アンド ヘルス アクチエボラグ ; エスシーエー・ハイジーン・プロダクツ・アーベー ; エスセーアー ハイジーン プロダクツ アーベー

Inventor(s): (std): ROENNBERG PETER

Inventor(s): PETER ROENNBERG ; レンベルグ ペテル ; レンベルグ、ペテル ; 彼得.羅恩堡

Agent(s): BURNS DOANE SWECKER AND MATHIS LLP; 安達 光雄; 安達 智; 惲軼群; 風早 信昭

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AT235208 E	20030415	LSGT	+	granted / extensions (spc, cpc, pte)	
AT235208 E	20030915	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT235208 E	20190701	PEXP		Calculated Patent Term Expiry	
DE69906344 D1	20040422	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69906344 D1	20180201	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
DE69906344 T2	20031224	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69906344 T2	20040422	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	

DE69906344 T2	20190701	PEXP		Calculated Patent Term Expiry	
DK1124523 T3	20030512	LSGT	+	granted / extensions (spc, cpc, pte)	
DK1124523 T3	20190701	PEXP		Calculated Patent Term Expiry	
EP1124523 A2	20010822	LSPB	+	published / reissued	
EP1124523 A2	20010822	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20010110
EP1124523 A2	20010822		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A2 Country of Ref document: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
EP1124523 B1	20030326	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1124523 B1	20030326		+AK	DESIGNATED CONTRACTING STATES	Country of Ref document: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
EP1124523 B1	20030326	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20030326 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: AT
EP1124523 B1	20030326	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20030326 Country of Ref document: FI
EP1124523 B1	20030326	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20030326 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: GR
EP1124523 B1	20030326	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: GB
EP1124523 B1	20030327		REG	REFERENCE TO A NATIONAL CODE	PartyType: representative Ref country code: CH Representative: BOVARD AG PATENTANWAELTE Ref legal event code: NV
EP1124523 B1	20030327	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: EP Ref country code: CH
EP1124523 B1	20030401		REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: TRGR Ref country code: SE
EP1124523 B1	20030430		REF	CORRESPONDS TO:	Kind code of Ref document: P Date of Ref document: 20030430 Ref document number: 69906344 Country of Ref document: DE
EP1124523 B1	20030430	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: FG4D Ref country code: IE
EP1124523 B1	20030512		REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: T3 Ref country code: DK
EP1124523 B1	20030626	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20030626 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP1124523 B1	20030701	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20030701 Country of Ref document: GB
EP1124523 B1	20030701	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20030701 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IE
EP1124523 B1	20030701	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

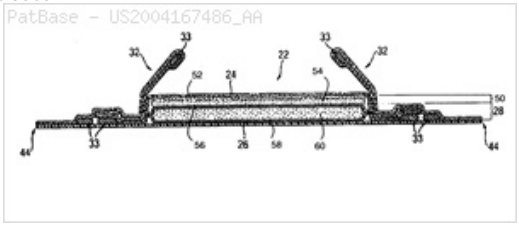
				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20030701 Country of Ref document: LU
EP1124523 B1	20030701	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20030701 Country of Ref document: CY
EP1124523 B1	20030731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20030731 Country of Ref document: MC
EP1124523 B1	20030930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20030930 Country of Ref document: ES
EP1124523 B1	20031226		+ET	FR: TRANSLATION FILED	
EP1124523 B1	20040218	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Effective date: 20030701 Ref country code: EP
EP1124523 B1	20040317	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20031230
EP1124523 B1	20040505	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MM4A Ref country code: IE
EP1124523 B1	20050714	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20050714 Year of fee payment: 7 Country of Ref document: CH
EP1124523 B1	20050719	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20050719 Country of Ref document: NL
EP1124523 B1	20050719	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20050719 Year of fee payment: 7 Country of Ref document: SE
EP1124523 B1	20050722	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 7 Payment date: 20050722 Country of Ref document: BE
EP1124523 B1	20050726	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20050726 Year of fee payment: 7 Country of Ref document: DK
EP1124523 B1	20060630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20060630 Year of fee payment: 8 Country of Ref document: FR
EP1124523 B1	20060702	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20060702 Country of Ref document: SE
EP1124523 B1	20060731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060731 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: BE
EP1124523 B1	20060731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20060731 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP1124523 B1	20060731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	Lapsed date: 20060731 NotificationOfLapse: LAPSE

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: DK
EP1124523 B1	20060731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20060731 Country of Ref document: LI
EP1124523 B1	20060731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Payment date: 20060731 Year of fee payment: 8 Country of Ref document: IT
EP1124523 B1	20070201	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20070201 Country of Ref document: NL
EP1124523 B1	20070312	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: EBP Ref country code: DK
EP1124523 B1	20070315	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: CH Ref legal event code: PL
EP1124523 B1	20070320	LSLE	-EUG	SE: EUROPEAN PATENT HAS LAPSED	Ref country code: EP
EP1124523 B1	20070402	LSLE	-NLV4	NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE	Effective date: 20070201 Ref country code: EP
EP1124523 B1	20071231	LSLE	-BERE	BE: LAPSED	Effective date: 20060731 Ref country code: EP Owner: *SCA HYGIENE PRODUCTS A.B. PartyType: owner
EP1124523 B1	20080613	LSLE	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20080331 Ref country code: FR Ref legal event code: ST
EP1124523 B1	20080930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20070731 Country of Ref document: FR
EP1124523 B1	20090930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20070701 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: IT
EP1124523 B1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	Year of fee payment: 18 Payment date: 20160628 Country of Ref document: DE
EP1124523 B1	20180201	LSDW	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 69906344 Ref legal event code: R119 Ref country code: DE Country of Ref document: DE
EP1124523 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20180201 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: DE
EP1124523 B1	20190701	PEXP		Calculated Patent Term Expiry	
JP2002519142 T2	20020702	LSPB	+	published / reissued	
JP2002519142 T2	20060905	LSWD	-A300	WITHDRAWAL OF APPLICATION BECAUSE OF NO REQUEST FOR EXAMINATION	Effective date: 20060905 Text: JAPANESE INTERMEDIATE CODE: A300
SE517641 C2	20020702	LSGT	+	granted / extensions (spc, cpc, pte)	
SE517641 C2	20070320	LSLE	-NUG	PATENT HAS LAPSED	
SE517641 C2	20180702	PEXP		Calculated Patent Term Expiry	

99) Family number: 41700830 (US2004167486 AA)

Title: THIN AND DRY **DIAPER**

Abstract: An **absorbent** **article**, preferably a **disposable** **absorbent** **article** such as a **diaper**, is disclosed having an **absorbent** core which imparts increased wearing comfort to the **article** and makes it thin and dry. The **absorbent** core useful for an **absorbent** **article** comprises a substrate layer, a discontinuous layer of **absorbent** material, and a layer of thermoplastic material. A second surface of the discontinuous layer of **absorbent** material is in at least partial contact with a first surface of the substrate layer. Portions of a second surface of the layer of thermoplastic material are in direct contact with the first surface of the substrate layer and portions of said second surface of the layer of thermoplastic material are in direct contact with a first surface of the discontinuous layer of **absorbent** material. A process for providing a storage layer for an **absorbent** core useful in an **absorbent** **article** is further disclosed.



Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/20 A61F13/49 A61F13/53 A61F13/532 A61F13/534 A61F13/535 A61F13/536 A61F13/539 A61F13/56 A61F5/44 A61L A61L15/16 A61L15/58 B32B37/00 B32B37/02 B32B7/14
International (IPC 1-7): A61F13/00 A61F13/15 A61F13/20 A61F13/53 A61F13/534 A61F13/535 A61F13/539 A61L A61L0/00 A61L15/22 A61L15/58 A61L15/60
CPC: A61F13/15658 A61F13/15699 A61F13/5323 A61F13/536 A61F13/539 A61F2013/530547 A61F2013/5395 B32B2310/024 Y10T156/10 Y10T156/1062
US: 156/256 156/275.5 156/291 156/60 156/60S 604/358 604/365 604/366 604/366P 604/367 604/367P 604/368 604/370 604/372 604/378 604/378S 604/385.01 604/385.010S 604/385.101 604/385.23 604/385.230S 604/58

Family:

Publication number	Publication date	Application number	Application date
AR043165 AA	20050720	AR2004P100438	20040212
AR081850 AB	20121024	AR2011P102007	20110609
AR081851 AB	20121024	AR2011P102009	20110609
AR081852 AB	20121024	AR2011P102010	20110609
AR081854 AB	20121024	AR2011P102013	20110609
AR102902 AB	20170405	AR2011P102008	20110609
AT380007 E	20071215	AT20030002678T	20030212
AT455528 E	20100215	AT20030122177T	20030212
AT473717 E	20100715	AT20030122176T	20030212
AT523180 E	20110915	AT20030122171T	20030212
AU2004212006 AA	20040826	AU20040212006	20040212
AU2004212006 BB	20070920	AU20040212006	20040212
AU2004212006 BH	20070920	AU20040212006	20040212
BRPI0407132 A	20060207	BR2004PI07132	20040212
BRPI0407132 B1	20141216	BR2004PI07132	20040212
CA2515118 AA	20040826	CA20042515118	20040212
CA2515118 C	20090721	CA20042515118	20040212
CL2004000246 A1	20050408	CL20040000246	20040211
CN1741780 A	20060301	CN200480002688	20040212
CN1741780 B	20100526	CN200480002688	20040212
DE60317873 D1	20080117	DE20036017873T	20030212
DE60317873 T2	20081113	DE20036017873T	20030212
DE60331115 D1	20100311	DE20036031115T	20030212
DE60333407 D1	20100826	DE20036033407T	20030212
DE60338315 D1	20111103	DE20036038315	20030212
DE60345309 D1	20140109	DE20036045309	20030212
DE60345634 D1	20140227	DE20036045634	20030212
DE60348226 D1	20151217	DE20036048226	20030212
DE60348227 D1	20151210	DE20036048227	20030212
EG23770 A	20070808	EG20050000431	20050808
EP1447067 A1	20040818	EP20030002678	20030212
EP1447067 B1	20071205	EP20030002678	20030212
EP1911425 A2	20080416	EP20070122169	20030212
EP1911425 A3	20080528	EP20070122169	20030212
EP1911425 B1	20140115	EP20070122169	20030212
EP1911426 A2	20080416	EP20070122177	20030212
EP1911426 A3	20080528	EP20070122177	20030212
EP1911426 B1	20100120	EP20070122177	20030212
EP1913912 A1	20080423	EP20070122173	20030212
EP1913912 B1	20170322	EP20070122173	20030212
EP1913912 B2	20200318	EP20070122173	20030212
EP1913913 A2	20080423	EP20070122174	20030212
EP1913913 A3	20080528	EP20070122174	20030212
EP1913914 A2	20080423	EP20070122176	20030212
EP1913914 A3	20080521	EP20070122176	20030212
EP1913914 B1	20100714	EP20070122176	20030212
EP1913914 B2	20140806	EP20070122176	20030212
EP1917940 A2	20080507	EP20070122171	20030212
EP1917940 A3	20080528	EP20070122171	20030212
EP1917940 B1	20110907	EP20070122171	20030212
EP2177188 A1	20100421	EP20100150871	20030212
EP2177188 B1	20151104	EP20100150871	20030212

EP2177189 A1	20100421	EP20100150874	20030212
EP2177189 B1	20151104	EP20100150874	20030212
EP2324805 A1	20110525	EP20100182065	20030212
EP2324805 B1	20131113	EP20100182065	20030212
ES2297062 T3	20080501	ES20030002678T	20030212
ES2339713 T3	20100524	ES20070122177T	20030212
ES2347827 T3	20101104	ES20070122176T	20030212
ES2347827 T5	20141024	ES20070122176T	20030212
ES2372979 T3	20120130	ES20070122171T	20030212
ES2443306 T3	20140218	ES20100182065T	20030212
ES2452317 T3	20140331	ES20070122169T	20030212
ES2560203 T3	20160217	ES20100150871T	20030212
ES2560204 T3	20160217	ES20100150874T	20030212
ES2627029 T3	20170726	ES20070122173T	20030212
HK1088523 A1	20061110	HK20060109082	20060815
HK1088523 A3	20061110	HK20060109082	20060815
IN02997DN2005 A	20070413	IN2005DN02997	20050705
IN221616 B	20080801	IN2005DN02997	20050705
JP2006513824 T2	20060427	JP20050518495T	20040212
JP4425865 B2	20100303	JP20050518495T	20040212
KR20050113179 A	20051201	KR20057014742	20040212
KR20070103519 A	20071023	KR20077022780	20071005
MXPA05007634 A1	20060525	MX2005PA07634	20040212
PL222213 B1	20160729	PL20040378417	20040212
PL223230 B1	20161031	PL20040393879	20040212
PL378417 A1	20060403	PL20040378417	20040212
PL393879 A1	20110704	PL20040393879	20040212
TH65916 A	20041227	TH20041000416	20040210
TR201708303 T4	20170721	TR20170008303T	20030212
US10470948 BB	20191112	US20140161748	20140123
US2004167486 AA	20040826	US20040776839	20040211
US2008125735 AA	20080529	US20070973811	20071010
US2010228210 AA	20100909	US20100781910	20100518
US2014135726 AA	20140515	US20140161748	20140123
US2019365581 AA	20191205	US20190541736	20190815
US7744576 BB	20100629	US20040776839	20040211
US8187240 BB	20120529	US20100781910	20100518
US8674170 BB	20140318	US20070973811	20071010
WO04071539 A2	20040826	WO2004US04349	20040212
WO04071539 A3	20041229	WO2004US04349	20040212
ZA200505366 A	20060426	ZA20050005366	20050701

Priority:

EP20030002678 20030212
EP20070122177 20030212
EP20070122176 20030212
EP20070122171 20030212
EP20100182065 20030212
EP20070122169 20030212
EP20100150871 20030212
EP20100150874 20030212
EP20070122173 20030212
EP20070122174 20030212
ES20070122176T 20030212
US20040776839 20040211
WO2004US04349 20040212
EP20040710696 20040212
US20070973811 20071010
US20100781910 20100518
US20140161748 20140123
US20190541736 20190815

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): BECKER UWE JURGEN ; BUSAM LUDWIG ; DIVO MICHAEL ; EHRNSPERGER BRUNO JOHANNES ; ENGEL ROLAND ; LINDNER TORSTEN ; LINK SIEGFRIED ; MAIER VOLKER ; PROCTER AND GAMBLE ; SIDDIQUEE SANAUL KABIR ; STIEHL GABRIELE ; TOMBUELT THOMAS

Assignee(s): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; PROCTER GAMBLE CO ; PROTECTER AND GAMBLE CO ; SIDDIQUEE SANAUL ; THE PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; THE PROTECTER AND GAMBLE COMPANY ; TOMBULT MEYER THOMAS ; □□□□ □□□□□□□□ □□□□ □□□□□□ □□□□□ ; ザ プロクター アンド ギャンブル カンパニー ; 宝洁公司 ; 더 프록터 앤드 갬블 캄파니

Inventor(s): (std): BEACKER UWE J ; BECKER UWE J ; BECKER UWE JUERGEN ; BECKER UWE JURGEN ; BECKER UWE JŰRGEN ; BRUNO JOHANNES EHRNSPERGER ; BUSAM LUDWIG ; DIVO MICHAEL ; DIVO MICHAEL NMN ; EHRNSPERGER BRUNO J ; EHRNSPERGER BRUNO JOHANNES ; ENGEL ROLAND ; ENGEL RONALD ; GABRIELE STIEHL ; JOHANNES EHRNSPERGER BRUNO ; JUERGEN BECKER UWE ; LIINK SIEGFRIED ; LINDNER TORSTEN ; LINK SIEGFRIED ; LUDWIG BUSAM ; MAIER VOLKER ; MICHAEL DIVO ; ROLAND ENGEL ; SANAUL SIDDIQUEE ; SIDDIQUEE SANAUL ; SIDDIQUEE SANAUL KABIR ; SIEGFRIED LINK ; STIEHL GABRIEL ; STIEHL GABRIELE ; THOMAS TOMBUELT MEYER ; TOMBUELT MEYER THOMAS ; TOMBUELT THOMAS ; TOMBULT MAYER THOMAS ; TOMBULT MEYER THOMAS ; TORSTE BUSAM LUDWIG EHRNSPERGE ; TORSTEN LINDNER ; UWE JURGEN BECKER ; VOLKER MAIER

Inventor(s): BECKER UWE ; BECKER UWE JUERGEN 53881 ; BECKER UWE JURGEN 53881 ; BUSAM LUDWIG 65510 ; BUSAM LUDWIG EHRNSPERGER BRUNO JOHANNES DIVO MICHAEL BECKER UWE JUERGEN ENGEL ROLAND LINDNER TORSTEN ; BUSAM LUDWING BECKER UWE JURGEN DIVO MICHAEL ERNSPERGER BRUNO JOHANNES ENGEL ROLAND LINDNER TORSTEN ; DIVO MICHAEL 61381 ; EHRNSPERGER BRUNO ; EHRNSPERGER BRUNO JOHANNES 65812 ; ENGEL ROLAND 65823 ; ENGEL ROLAND 65843 ; ENGEL RONALD 65843 ; LIINK SIEGFRIED 53937 ; LINDER TORSTEN ; LINDNER TORSTEN 61476 ; LINK SIEGFRIED 53937 ; MAIER VOLKER 53879 ; SANAUL KABIR SIDDIQUEE ; SIDDIQUEE SANAUL 1040 ; SIDDIQUEE SANAUL KABIR 1040 ; STIEHL GABRIELE 65812 ; STIEHL GABRIELE 65824 ; THOMAS TOMBULT MAYER ; THOMAS TOMBULT MEYER ; TOMBUELT MEYER THOMAS 53947 ; UWE JUERGEN BECKER ; VOLKER MAIER 53879 ; VOLKER MEIER ; □□□□□□□□□□□ □□□□□□□□ ; □□□□□□□□ □□□□□□□□ □□□□□□□□□□□□□ ; □□□□□□□□ □□□ ; □□□□□□ □□□□□□□□ □□□□□□□□ ; □□□□□□□□□ □□□□□□□ ; □□□□□□□□□ □□□ ; ウーヴェ ユルゲン ベッケル ; ガブリエレ スティール ; サナウル シディキー ; ジークフリート リンク ; トルステン リンドナー ; トーマス トムブルト メイヤー ; フォルカー マイエル ; ブルノ ヨハネス エーンシュペルガー ; ミヒャエル デイヴォ ; ルードヴィッヒ ブサム ; ローラント エンゲル ; 加布里埃尔·斯蒂埃尔 ; 尤維 J 貝克爾 ; 尤维·J·贝克尔 ; 布魯諾 J 厄恩斯珀格 ; 布鲁诺·J·厄恩斯珀格 ; 托斯滕 林德納 ; 托斯滕·林德纳 ; 托马斯·汤布尔特-迈耶 ; 桑诺尔·西迪昆 ; 沃尔克·梅尔 ; 罗兰·英戈尔 ; 羅蘭 英戈爾 ; 西格弗里德·林克 ; 路德維格 巴薩姆 ; 路德维格·巴萨姆 ; 迈克尔·迪沃 ; 邁克爾 迪沃 ; 디포 미카엘 ; 린드너 토르스텐 ; 린크 시그프리드 ; 마이어 폴커 ; 베커 우베 유르겐 ; 부삼 루드비히 ; 스틸 가브리엘레 ; 시디크 사날 ; 에른스페르거 브루노 요하네스 ; 엔겔 로날드 ; 톰불트 마이어 토마스

Agent(s): BOON GRAHAM ANTHONY; DE ELZABURU ALBERTO; DEL VALLE SONIA; DIMOCK STRATTON LLP; EKREM SOYLU; ERIC T; GRIFFITH HACK; KREMER VERONIQUE MARIE JOSEPHINE; LAURA L; LLOYD

WISE AND CO; NAGAI HIROSHI; P AND G PATENT GERMANY; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; SHIPP WEDNESDAY G; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP; THIBAULT; WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; □□□□□□□□□□□ □□□□□□□□; □□□□□□□□□□□ □□□□□□□□ □□□□□□□□□□ □□□□□□□□□□ □□□□□□□□ □□□□□□□□; □□□□□□□□□□□ □□□□□□□□, □.□.□□□□□□□□ □□□□□□□□□□, □□□□□□□□ □□□□□□□□, □□□□□□□□□□ □□□□□□□□; 勝沼 宏仁; 北京市柳沈律师事务所 11105; 吉武 賢次; 岡田 淳平; 李晓舒; 永井 浩之; 魏晓刚; 김창세

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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

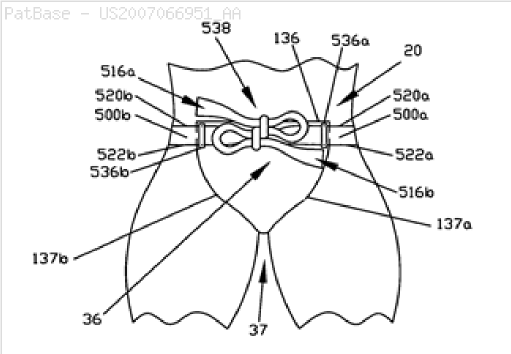
Patent	Date recorded	Event group	Code	Event	Details
AR043165 AA	20050720	LSPB	+	published / reissued	
AR043165 AA	20090805	LSWD	-FB	SUSPENSION OF GRANTING PROCEDURE	
AR043165 AA	20130325	LSGT	+FG	GRANT, REGISTRATION	
AR043165 AA	20161116	LSGT	+FG	GRANT, REGISTRATION	
AR081850 AB	20121024	LSPB	+	published / reissued	
AR081850 AB	20130325	LSGT	+FG	GRANT, REGISTRATION	
AR081850 AB	20161116	LSGT	+FG	GRANT, REGISTRATION	
AR081850 AB	20310609	PEXP		Calculated Patent Term Expiry	
AR081851 AB	20121024	LSPB	+	published / reissued	
AR081851 AB	20130325	LSGT	+FG	GRANT, REGISTRATION	
AR081851 AB	20161116	LSGT	+FG	GRANT, REGISTRATION	
AR081851 AB	20310609	PEXP		Calculated Patent Term Expiry	
AR081852 AB	20121024	LSPB	+	published / reissued	
AR081852 AB	20150413	LSWD	-FB	SUSPENSION OF GRANTING PROCEDURE	
AR081852 AB	20310609	PEXP		Calculated Patent Term Expiry	
AR081854 AB	20121024	LSPB	+	published / reissued	
AR081854 AB	20130930	LSGT	+FG	GRANT, REGISTRATION	
AR081854 AB	20161116	LSGT	+FG	GRANT, REGISTRATION	
AR081854 AB	20310609	PEXP		Calculated Patent Term Expiry	
AR102902 AB	20170405	LSPB	+	published / reissued	
AR102902 AB	20310609	PEXP		Calculated Patent Term Expiry	
AT380007 E	20071215	LSGT	+	granted / extensions (spc, cpc, pte)	
AT380007 E	20080615	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT380007 E	20230212	PEXP		Calculated Patent Term Expiry	
AT455528 E	20100215	LSGT	+	granted / extensions (spc, cpc, pte)	
AT455528 E	20100715	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT455528 E	20230212	PEXP		Calculated Patent Term Expiry	
AT473717 E	20100715	LSGT	+	granted / extensions (spc, cpc, pte)	
AT473717 E	20110115	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT473717 E	20230212	PEXP		Calculated Patent Term Expiry	
AT523180 E	20110915	LSGT	+	granted / extensions (spc, cpc, pte)	
AT523180 E	20120315	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT523180 E	20230212	PEXP		Calculated Patent Term Expiry	

100) Family number: 34330025 (US2007066951 AA) © PatBase

Title: **DISPOSABLE ABSORBENT ARTICLE** HAVING DEPLOYABLE BELT STRIPS

Abstract: A **disposable absorbent article** having laterally opposing interiorly attached side flaps and at least one deployable belt strip. Each side flap is formed by folding a portion of the **absorbent** assembly laterally inward and has a longitudinally extending elastic gathering member attached adjacent to its proximal edge. The belt strip has a fixed end portion and opposing first and second edges connecting the fixed end portion and an opposing free end portion. The belt strip is attached in the fixed end portion and is deployed by being folded laterally outward such that the first edge extends laterally outward from one end point of a diagonal fold line and the second edge extends laterally outward from the opposing end point of the diagonal fold line. The belt strip may be tied to another belt strip or may be fastened to the waist region of the **article** or to another belt strip.

Classifications:
International (IPC 8-9): A61F A61F13/15 A61F13/56 A61F13/64
International (IPC 1-7): A61F13/56 A61F13/64
CPC: A61F13/5622 A61F13/64
US: 604/392



Family:

Publication number	Publication date	Application number	Application date
AR058455 AA	20080206	AR2006P104090	20060919
AT485023 E	20101115	AT20060795953T	20060907
BRPI0616148 A2	20110607	BR2006PI16148	20060907
CL2006002497 A1	20070420	CL20060002497	20060921
CN101031273 A	20070905	CN200680000871	20060907
CN101031273 B	20101208	CN200680000871	20060907
DE602006017717 D1	20101202	DE200660017717T	20060907
EP1926462 A1	20080604	EP20060795953	20060907
EP1926462 B1	20101020	EP20060795953	20060907
IN02831DN2007 A	20070803	IN2007DN02831	20070416
RU2008107678 A	20091027	RU20080107678	20060907
RU2394545 C2	20100720	RU20080107678	20060907
TH86086 A	20070820	TH20061004404	20060912
US2007066951 AA	20070322	US20050231500	20050921
WO07034349 A1	20070329	WO2006IB53161	20060907
ZA200802117 A	20090930	ZA20080002117	20080306

Priority:

US20050231500 20050921 WO2006IB53161 20060907

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): BECK THEODORA ; HAMALL KENNETH M ; HAMALL KENNETH MICHAEL ; HAYDEN MICHAEL P ; HAYDEN MICHAEL PATRICK ; LAVON GARY D ; LAVON GARY DEAN ; LUDWIG SUSAN J ; LUDWIG SUSAN JOY ; PROCTER AND GAMBLE

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ ; ДЗЕ ПРОКТЕР ЭНД ГЭМБЛ КОМПАНИ (US) ; □□□□ □□□□□□□□□ □□□□ □□□□□□□ □□□□□□□ ; 宝洁公司

Inventor(s): (std): BECK THEODORA ; BEK TEODORA ; DEAN LAVON GARY ; HAMALL KENNETH ; HAMALL KENNETH M ; HAMALL KENNETH MICHAEL ; HAYDEN MICHAEL ; HAYDEN MICHAEL P ; HAYDEN MICHAEL PATRICK ; JOY LAVON GARY DEAN HAMALL KEN ; JOY LUDWIG SUSAN ; KHAJDEN MISHEL PATRIK ; KHAMALL KENNET MAJKL ; LAVON GARY ; LAVON GARY D ; LAVON GARY DEAN ; LAVON GEHRI DIN ; LJUDVIG SJUZEN DZHOJ ; LUDWIG SUSAN ; LUDWIG SUSAN J ; LUDWIG SUSAN JOY ; MICHAEL HAMALL KENNETH ; PATRICK HAYDEN MICHAEL ; THEODORA BECK

Inventor(s): GARY DEAN LAVON ; KENNETH MICHAEL HAMALL ; KHAJDEN MISHEL' PATRIK ; LAVON GARY DEAN HAMALL KENNETH MICHAEL BECK THEODORA HAYDEN MICHAEL PATRICK LUDWIG SUSAN JOY ; MICHAEL PATRICK HAYDEN ; SUSAN JOY LUDWIG ; БЕК ТЕОДОРА ; БЕК Теодора (US) ; ЛАВОН ГЭРИ ДИН ; ЛАВОН Гэри Дин (US) ; ЛЮДВИГ СЮЗЕН ДЖОЙ ; ЛЮДВИГ Сюзен Джой (US) ; ХАЙДЕН МИШЕЛЬ ПАТРИК ; ХАЙДЕН Мишель Патрик (US) ; ХАМАЛЛ КЕННЕТ МАЙКЛ ; ХАМАЛЛ Кеннет Майкл (US) ; □□□□ □□□ □□□□ ; □□□□□□□□ □□□ ; □□□□□□□ □□ □□□□□□ ; □□□□□□□ □□□□□□ □□□□□□□ ; □□□□□□ □□□□□□ □□□□□□□ ; 加里 D 拉万 ; 加里·D·拉万 ; 肯尼思 M 哈玛尔 ; 肯尼思·M·哈玛尔 ; 苏珊 J 路德维格 ; 苏珊·J·路德维格 ; 西奥多拉 贝克 ; 西奥多拉·贝克 ; 迈克尔 P 海登 ; 迈克尔·P·海登

Agent(s): HEIDE UTE; KREMER VERONIQUE MARIE JOSEPHINE ET AL; LLOVET; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; □□□□□□□□□□ □□□□□□□□; □□□□□□□□ □□□□□□□ □□□□□□□□□ □□□□□□□□□ □□□□□□□□□ □□□□□□□□ □□□□□□□□□; □□□□□□□□, □□□□□□□□□□ □□□□□□□□□, □□□□□□□□□□ □□□□□□□□; 北京市柳沈律师事务所 11105; 曲莹; 马高平

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 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 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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AR058455 AA	20080206	LSPB	+	published / reissued	
AR058455 AA	20141203	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
AT485023 E	20101115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT485023 E	20110415	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT485023 E	20260907	PEXP		Calculated Patent Term Expiry	
BRPI0616148 A2	20120710	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	Text: REFERENTE A 6A ANUIDADE.
BRPI0616148 A2	20130716	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	Text: REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2166 DE 10/07/2012.
CL2006002497 A1	20070420	LSPB	+	published / reissued	
CN101031273 A	20070905	LSPB	+	published / reissued	
CN101031273 A	20070905	LSPB	+C06	PUBLICATION	
CN101031273 A	20071031		C10	ENTRY INTO SUBSTANTIVE EXAMINATION	
CN101031273 B	20101208	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101031273 B	20101208	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101031273 B	20131106	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN101031273 B	20260907	PEXP		Calculated Patent Term Expiry	
EP1926462 A1	20080604	LSPB	+	published / reissued	
EP1926462 A1	20080604	LSES	+17P	REQUEST FOR EXAMINATION FILED	Effective date: 20080227
EP1926462 A1	20080604		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: A1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1926462 A1	20080827	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	Effective date: 20080728
EP1926462 A1	20100526		DAX	REQUEST FOR EXTENSION OF THE EUROPEAN PATENT (DELETED)	
EP1926462 B1	20101020	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1926462 B1	20101020		+AK	DESIGNATED CONTRACTING STATES	Kind code of Ref document: B1 Country of Ref document: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
EP1926462 B1	20101020	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: GB Ref legal event code: FG4D
EP1926462 B1	20101029	LSNP	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: EP Ref country code: CH
EP1926462 B1	20101124	LSGT	REG	REFERENCE TO A NATIONAL CODE	Ref country code: IE Ref legal event code: FG4D
EP1926462 B1	20101202		REF	CORRESPONDS TO:	Ref document number: 602006017717 Date of Ref document: 20101202 Kind code of Ref document: P Country of Ref document: DE
EP1926462 B1	20110302	LSRV	REG	REFERENCE TO A NATIONAL CODE	Effective date: 20101020 Ref country code: NL Ref legal event code: VDEP
EP1926462 B1	20110325	LSRV	-LTIE	LT: INVALIDATION OF EUROPEAN PATENT OR PATENT EXTENSION	Ref country code: EP Effective date: 20101020
EP1926462 B1	20110429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20101020 Country of Ref document: LT
EP1926462 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110220 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: IS
EP1926462 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20101020 Country of Ref document: AT
EP1926462 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20101020 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: FI
EP1926462 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110221 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: PT
EP1926462 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20101020 Country of Ref document: NL
EP1926462 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110120 Country of Ref document: BG
EP1926462 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20101020 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: LV
EP1926462 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20101020 Country of Ref document: SE
EP1926462 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20101020 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SI
EP1926462 B1	20110630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20101020 Country of Ref document: BE
EP1926462 B1	20110630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110121 Country of Ref document: GR
EP1926462 B1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT	Lapsed date: 20101020 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF

				INFORMATION FROM NATIONAL OFFICE TO EPO]	THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: CZ
EP1926462 B1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20101020 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: EE
EP1926462 B1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20110131 Country of Ref document: ES
EP1926462 B1	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20101020 Country of Ref document: PL
EP1926462 B1	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20101020 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: DK
EP1926462 B1	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20101020 Country of Ref document: RO
EP1926462 B1	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20101020 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: SK
EP1926462 B1	20110928	LSGT	+26N	NO OPPOSITION FILED	Effective date: 20110721
EP1926462 B1	20111117	LSRE	REG	REFERENCE TO A NATIONAL CODE	Ref document number: 602006017717 Ref country code: DE Effective date: 20110721 Ref legal event code: R097 Country of Ref document: DE
EP1926462 B1	20111230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20101020 Country of Ref document: IT
EP1926462 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110930 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: MC
EP1926462 B1	20120430	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: PL Ref country code: CH
EP1926462 B1	20120523	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	Ref country code: EP Effective date: 20110907
EP1926462 B1	20120620	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref legal event code: MM4A Ref country code: IE
EP1926462 B1	20120622	LSLE	REG	REFERENCE TO A NATIONAL CODE	Ref country code: FR Effective date: 20120531 Ref legal event code: ST
EP1926462 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO	Lapsed date: 20110930 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: LI

				EPO]	
EP1926462 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20120403 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: DE
EP1926462 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20110930 NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Country of Ref document: CH
EP1926462 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20110907 Country of Ref document: IE
EP1926462 B1	20120802	LSDW	REG	REFERENCE TO A NATIONAL CODE	Ref country code: DE Ref legal event code: R119 Ref document number: 602006017717 Effective date: 20120403 Country of Ref document: DE
EP1926462 B1	20120831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20110907 Country of Ref document: GB
EP1926462 B1	20120831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20110930 Country of Ref document: FR
EP1926462 B1	20130531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES Lapsed date: 20110907 Country of Ref document: LU
EP1926462 B1	20130531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20101020 NotificationOfLapse: LAPSE BECAUSE OF EXPIRATION OF PROTECTION Country of Ref document: CY
EP1926462 B1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	Lapsed date: 20101020 NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country of Ref document: TR
EP1926462 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NotificationOfLapse: LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Lapsed date: 20101020 Country of Ref document: HU
EP1926462 B1	20260907	PEXP		Calculated Patent Term Expiry	
IN02831DN2007 A	20070803	LSPB	+	published / reissued	