

Search history

Search 1: FT=(COLOSTOMY~ OR OSTOMY~ BAG~) (Results 4589)

Title: EXPANDABLE DEVICES COATED WITH A RAPAMYCIN COMPOSITION

Abstract: Medical devices may be utilized for local and regional therapeutic agent delivery. These therapeutic agents or compounds may reduce a biological organism's reaction to the introduction of the medical device to the organism. In addition, these therapeutic drugs, agents and/or compounds may be utilized to promote healing, including the prevention of thrombosis. The drugs, agents, and/or compounds may also be utilized to treat specific disorders, including restenosis, vulnerable plaque, and atherosclerosis in type 2 diabetic patients.

Classifications:

International (IPC 8-9): A61F2/07 A61F2/82 A61K31/436 A61K47/10 A61K47/32 A61L A61L29/08 A61L29/14 A61L29/16 A61L31/10 A61L31/14 A61L31/16 A61L33/00 A61M25/10

A61P9/00 (Advanced/Invention);

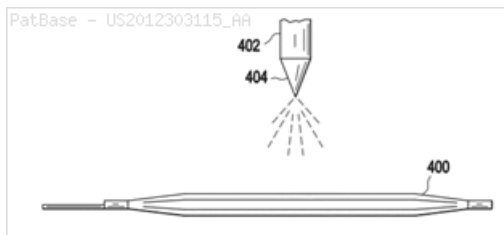
A61L (Subclass/Invention)

CPC: A61K31/436 A61L29/085 A61L29/143 A61L29/16 A61L31/10 A61L31/143 A61L31/16 A61L2300/416

European: A61L29/08B A61L29/14D A61L29/16 A61L31/10

A61L31/14D A61L31/16 K61L300/416

US: 514/291 623/1.42



Family:

Publication number	Publication date	Application number	Application date
AU2012259184 AA	20121129	AU20120259184	20120514
AU2016202687 AA	20160519	AU20160202687	20160427
BR112013030185 A2	20161206	BR20131130185	20120514
CA2837045 AA	20131121	CA20122837045	20120514
CN103582499 A	20140212	CN201280025423	20120514
EP2714114 A1	20140409	EP20120722640	20120514
IL229172 A0	20131231	IL20120229172	20120514
IN09522DN2013 A	20141219	IN2013DN09522	20131105
JP2014518724 T2	20140807	JP20140512869T	20120514
KR20140027414 A	20140306	KR20137034158	20120514
MX2013013808 A1	20131216	MX20130013808	20120514
RU2013157578 A	20150627	RU20130157578	20120514
US2012303115 AA	20121129	US20110115345	20110525
WO12162007 A1	20121129	WO2012US37780	20120514

Priority:

US20110115345 20110525 AU20120259184 20120514 WO2012US37780 20120514
AU20160202687 20160427

Probable Assignee: CORDIS CORP

Assignee(s): (std): CARDINAL HEALTH SWITZERLAND 515 GMBH ; CORDIS CORP ; DADINO RONALD C ; ZHAO JONATHON Z

Inventor(s): (std): ZHAO JONATHAN Z ; ZHAO JONATHON S ; DADINO RONALD ; ZHAO JONATHON Z ; DADINO RONALD C

Inventor(s): JONATHON S ZHAO ; RONALD C DADINO

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; GRIFFITH HACK; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; GOWLING WLG CANADA LLP; CARPMAELS AND RANSFORD LLP; KATO MASANOBU; SERRAO VINCENT J ET AL

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

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Patent	Date recorded	Event group	Code	Event	Details
AU2012259184 AA	20121129	LSPB	+	published / reissued	
AU2012259184 AA	20160526	LSLE	-MK5	APPLICATION LAPSED SECTION 142(2)(E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED	
AU2016202687 AA	20160519	LSPB	+	published / reissued	
AU2016202687 AA	20170330	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : CARDINAL HEALTH SWITZERLAND 515 GMBH OLDPARTY : FORMER APPLICANT(S): CORDIS CORPORATION
AU2016202687 AA	20171207	LSLE	-MK4	APPLICATION LAPSED SECTION 142(2)(D) - NO CONTINUATION FEE PAID FOR THE	

APPLICATION					
BR112013030185 A2	20180116	LSES	B07D	TECHNICAL EXAMINATION (OPINION) RELATED TO ARTICLE 229 OF INDUSTRIAL PROPERTY LAW	
BR112013030185 A2	20180313	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	
BR112013030185 A2	20180515	LSES	B07B	TECHNICAL EXAMINATION (OPINION): PUBLICATION CANCELLED	
BR112013030185 A2	20180703	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	
CA2837045 AA	20131121	LSPB	+	published / reissued	
CA2837045 AA	20180626	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20180515
CN103582499 A	20140212	LSPB	+	published / reissued	
CN103582499 A	20140212	LSPB	+C06	PUBLICATION	
CN103582499 A	20170531	LSAS	TA01	TRANSFER OF PATENT APPLICATION RIGHT	
CN103582499 A	20180629	LSRV	-RJ01	REJECTION OF INVENTION PATENT APPLICATION AFTER PUBLICATION	
EP2714114 A1	20140409	LSPB	+	published / reissued	
EP2714114 A1	20140409	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20131125
EP2714114 A1	20150506	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20150407
EP2714114 A1	20180523	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20171201
IN09522DN2013 A	20141219	LSPB	+	published / reissued	
JP2014518724 T2	20140807	LSPB	+	published / reissued	
JP2014518724 T2	20150416	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20150416
JP2014518724 T2	20160217	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160216
JP2014518724 T2	20161011	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20161011
KR20140027414 A	20140306	LSPB	+	published / reissued	
KR20140027414 A	20170615	LSDW	-WITN	WITHDRAWAL DUE TO NO REQUEST FOR EXAMINATION	
MX2013013808 A1	20131216	LSPB	+	published / reissued	
MX2013013808 A1	20140709	LSRE	HH	CORRECTION OR CHANGE IN GENERAL	
RU2013157578 A	20150627	LSPB	+	published / reissued	
RU2013157578 A	20160927	LSWD	-FA92	ACKNOWLEDGEMENT OF APPLICATION WITHDRAWN (LACK OF SUPPLEMENTARY	EFFECTIVE DATE : 20160915

MATERIALS SUBMITTED)					
US2012303115 AA	20121129	LSPB	+	published / reissued	
US2012303115 AA	20110525	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CORDIS CORPORATION, NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DADINO, RONALD C.; ZHAO, JONATHON Z.; SIGNING DATES FROM 20110523 TO 20110524; REEL/FRAME:026338/0103
US2012303115 AA	20150322	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
WO12162007 A1	20121129	LSPB	+	published / reissued	
WO12162007 A1	20131121	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2837045 COUNTRY OF REF DOCUMENT : CA
WO12162007 A1	20131122	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2014512869 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12162007 A1	20131125	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO12162007 A1	20131125	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2013/013808 COUNTRY OF REF DOCUMENT : MX
WO12162007 A1	20131128	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2012259184 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20120514 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12162007 A1	20131223	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20137034158 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12162007 A1	20131225	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013157578 COUNTRY OF REF DOCUMENT : RU KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12162007 A1	20161206	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 112013030185 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20131125

Title: PRODUCT ADAPTED FOR TRANSCUTANEOUS USE.

Abstract: A product (1) at least part of the surface of which is adapted for contact with cut living tissues, at least part of said surface comprising fibres (2) not greater than 15µm in diameter. Preferably the fibres are formed by electrostatic spinning.

Classifications:

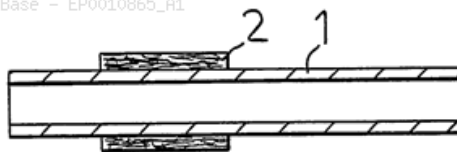
International (IPC 8-9): A61F2/06 A61K47/00 A61K9/70 A61L15/16 A61L26/00 A61L31/00 A61M27/00 B25J19/00 (Advanced/Invention); A61L15/16 A61L26/00 A61L31/00 A61M27/00 (Advanced/Non-invention)

International (IPC 1-7): A61B17/11 A61F1/00 A61F1/24 A61K47/00 A61K9/70 A61L15/01 A61L17/00 A61L25/00 A61L31/00 A61M25/00 D04H3/02

CPC: A61F2/06

European: A61F2/06

PatBase - EP0010865_A1



Family:

Publication number	Publication date	Application number	Application date
AU197951611 A1	19800417	AU19790051611	19791009
AU537103 B2	19840607	AU19790051611	19791009
BR7906529 A	19800715	BR19790006529	19791010
CA1141293 A1	19830215	CA19790337320	19791010
DE2967214 D1	19841018	DE19792967214	19790928
EP0010865 A1	19800514	EP19790302041	19790928
EP0010865 B1	19840912	EP19790302041	19790928
JP1025579 B4	19890518	JP19790131276	19791011
JP55055115 A2	19800422	JP19790131276	19791011
ZA7905323 A	19801231	ZA19790005323	19791005

Priority:

GB19400002878 19781010 GB19780040028 19781010 GB19400002878 19781010
CA19790337320 19791010

Probable Assignee: IMPERIAL CHEMICAL INDUSTRIES PLC

Assignee(s): (std): UNIV LIVERPOOL ; ICI LTD ; ICI PLC

Assignee(s): IMP CHEMICAL IND LTD ; IMP CHEMICAL IND PLC ; IMPERIAL CHEMICAL INDUSTRIES LIMITED ; IMPERIAL CHEMICAL INDUSTRIES LTD ; IMPERIAL CHEMICAL INDUSTRIES PLC ; ANNIS DAVID ; YUNIBAASHITEI OBU RIBAPUURU ZA ; IMPERIARU CHEM IND PLC ; UNIVERSITY OF LIVERPOOL ; UNIVERSITY LIVERPOOL ; OF LIVERPOOL UNIV ; LIVERPOOL UNIV

Inventor(s): (std): ANNIS D ; ANNIS DAVID ; DEEBITSUDO ANISU

Inventor(s): DAVID ANNIS

Agent(s): PHILLIPS ORMONDE AND FITZPATRICK; ROUSSIN BERNARD F

Designated states: CH DE FR GB IT NL SE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU197951611 A1	19800417	LSPB	+	published / reissued	
AU537103 B2	19840607	LSGT	+	granted / extensions (spc, cpc, pte)	
AU537103 B2	19991009	PEXP		Calculated Patent Term Expiry	
BR7906529 A	19800715	LSPB	+	published / reissued	
BR7906529 A	19950425	LSLE	-MK	PATENT EXPIRED	EFFECTIVE DATE : 19941010
DE2967214 D1	19891019	LSRV	-8331	COMPLETE REVOCATION	
EP0010865 A1	19800514	LSPB	+	published / reissued	
EP0010865 A1	19801112	LSES	+17P	REQUEST FOR EXAMINATION FILED	
EP0010865 A1	19820203	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : IMPERIAL CHEMICAL INDUSTRIES PLC
EP0010865 A1	19820203	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : UNIVERSITY OF LIVERPOOL
EP0010865 B1	19840912	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0010865 B1	19840917	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE

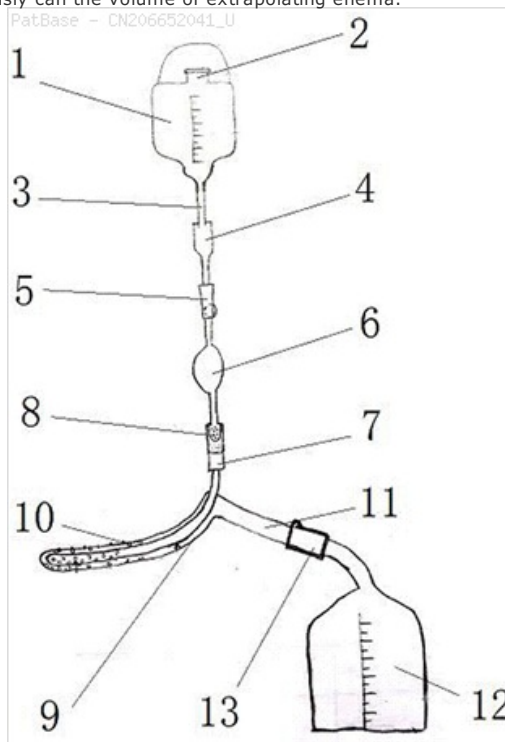
EP0010865 B1	19840924	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	: 19840917 YEAR OF FEE PAYMENT : 6 COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 19840924 YEAR OF FEE PAYMENT : 6
EP0010865 B1	19850821	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : FRESENIUS AG EFFECTIVE DATE : 19850611
EP0010865 B1	19860102	LSOP	-NLR1	NL: OPPOSITION HAS BEEN FILED WITH THE EPO	PARTYTYPE : OPPONENT REF COUNTRY CODE : EP OPPONENT : FRESENIUS AG
EP0010865 B1	19860716	LSOP	-R26	OPPOSITION FILED (CORRECTED)	PARTYTYPE : OPPONENT OPPONENT : FRESENIUS AG EFFECTIVE DATE : 19850611
EP0010865 B1	19890807	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 19890807 YEAR OF FEE PAYMENT : 11
EP0010865 B1	19890814	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 19890814 YEAR OF FEE PAYMENT : 11
EP0010865 B1	19890913	LSRV	-27W	PATENT REVOKED	EFFECTIVE DATE : 19890417
EP0010865 B1	19890915	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0010865 B1	19890927	LSRV	-GBPR	GB: PATENT REVOKED UNDER ART. 102 OF THE EP CONVENTION DESIGNATING THE UK AS CONTRACTING STATE	REF COUNTRY CODE : EP
EP0010865 B1	19890930	LSFE	ITTA	IT: LAST PAID ANNUAL FEE	REF COUNTRY CODE : EP
EP0010865 B1	19890930	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 19890930 YEAR OF FEE PAYMENT : 11
EP0010865 B1	19891101	LSOP	NLR2	NL: DECISION OF OPPOSITION	REF COUNTRY CODE : EP
EP0010865 B1	19950131	LSLE	-EUG	SE: EUROPEAN PATENT HAS LAPSED	REF COUNTRY CODE : EP TEXT : 79302041.3
JP1025579 B4	19890518	LSPB	+	published / reissued	
JP55055115 A2	19800422	LSPB	+	published / reissued	
ZA7905323 A	19801231	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA7905323 A	19991004	PEXP		Calculated Patent Term Expiry	

Title: ANTI PALIRRHEA CONVENIENT INTESTINAL FLUSHER

Abstract: The utility mode relates to an anti palirrhea convenient intestinal flusher has solved current intestinal washing unit and has had easy backward flow and problem that can not used repeatedly. Enema stock solution bottle upper end is provided with annotates the liquid mouth, enema stock solution bottle lower extreme is provided with the feed liquor pipe, feed liquor guan shangcong goes up and to have set gradually luxuriant feishi burette under to, flow regulator, rubber ball and anti palirrhea chamber, anti palirrhea intracavity is provided with two arcuation silica gel pieces, be provided with the leakage pipe of cover in its outside on the feed liquor pipe of anti palirrhea chamber below, the lower part of leakage pipe and feed liquor pipe all is provided with leakage hole, leakage pipe's upper end is provided with the enema recovery tube of one end rather than the intercommunication, the other end of enema recovery tube is connected with the collection **colostomy** bag of taking the scale, be provided with the checkpoint on the enema recovery tube. The utility model discloses make excrement and urine easily discharge, reduce disposable consumable material's cost, stopped the phenomenon that relapse operative installations part is polluted moreover, simultaneously can the volume of extrapolating enema.

Classifications:

International (IPC 8-9): A61M3/02 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
CN206652041 U	20171121	CN201621266847U	20161124

Priority:

CN201621266847U 20161124

Probable Assignee: XIE XIAOFEN

Assignee(s): (std): XIE XIAOFEN

Assignee(s): XIEXIAO FEN

Inventor(s): (std): WANG JUNPING ; XIE XIAOFEN ; LIU PING ; WANG KANGMIN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN206652041 U	20171121	LSGT	+	granted / extensions (spc, cpc, pte)	
CN206652041 U	20171121	LSGT	+GR01	PATENT GRANT	
CN206652041 U	20191112	LSLE	-CF01	未缴年费专利权终止 (Termination of patent right due to unpaid annual fee)	TEXT : 专利权的终止 (TERMINATION OF PATENT RIGHT) EFFECTIVE DATE : 20181124
CN206652041 U	20191112	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN206652041 U	20261124	PEXP		Calculated Patent Term Expiry	

Title: **COLOSTOMY** BALLOON PLUG

Abstract: The **colostomy** balloon plug has three parallel conduits with a combined charcoal and hydrophobic filter at one end of the largest central first conduit. The largest central first conduit is open at one end and has the combined charcoal and hydrophobic filter at its other end, for elimination of bowel gas. A shorter parallel second conduit terminates on one end in a first balloon and on a second end in a first one-way valve. A shortest parallel third conduit terminates on one end in a second balloon and on a second end in a second one-way valve. A syringe and extension conduit is selectively attached to the two one-way valves. Air, saline solution or sterilized water can be introduced from the syringe through the one-way valves of the extension conduit to inflate the two balloons about the largest central first conduit. The one-way valves prevent deflation of the balloons unless the shorter or shortest parallel conduits are cut to allow the fluid from the two balloons to exit and deflate the balloons.

Classifications:

International (IPC 8-9): A61F A61F2/00 A61F2/02 A61F5/441

A61F5/445 A61M25/10 (Advanced/Invention);

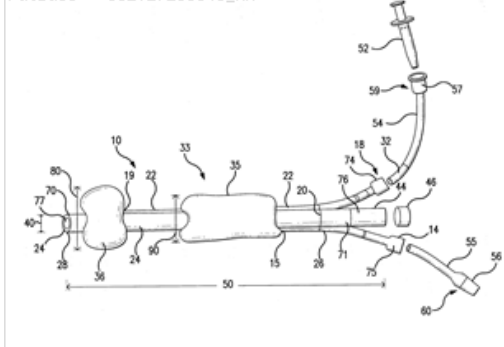
A61F (Subclass/Invention)

CPC: A61F2/0013 A61M25/0028 A61M25/003 A61M25/10 A61M39/24

A61M2025/0037 A61M2205/75 A61F5/441 A61F5/445

US: 1/1 604/333

PatBase - US2017135846_AA



Family:

Publication number	Publication date	Application number	Application date
CA3005321 AA	20180514	CA20163005321	20160105
CN106730253 A	20170531	CN201610056627	20160126
EP3376995 A1	20180926	EP20160866768	20160105
EP3376995 A4	20190612	EP20160866768	20160105
IL259351 A0	20180731	IL20160259351	20160105
SG11201804081U A1	20180628	SG20181104081	20160105
US2017135846 AA	20170518	US20150944408	20151118
US10413441 BB	20190917	US20150944408	20151118
WO17087011 A1	20170526	WO2016US12176	20160105

Priority:

US20150944408 20151118 WO2016US12176 20160105

Probable Assignee: INCONTINENT CONTROL DEVICES INC

Assignee(s): (std): INCONTINENT CONTROL DEVICES INC

Assignee(s): SIMOVICH DAVID ; WEISS STEPHEN JOEL

Inventor(s): (std): WEISS STEPHEN JOEL ; SIMOVICH DAVID ; STEPHEN JOEL WEISS ; DAVID SIMONVICH

Agent(s): MOFFAT AND CO; GLUECK KRITZENBERGER PATENTANWALTE PARTGMBB; WELSH FLAXMAN AND GITLER LLC; GITLER STEWART L ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC 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)

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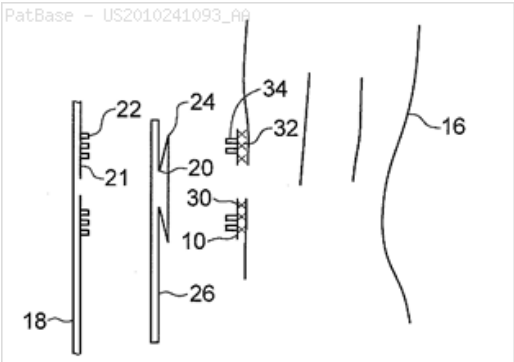
Patent	Date recorded	Event group	Code	Event	Details
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CA3005321 AA	20180528	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20180514
CN106730253 A	20170531	LSPB	+	published / reissued	
CN106730253 A	20170531	LSPB	PB01	PUBLICATION	
EP3376995 A1	20180926	LSPB	+	published / reissued	
EP3376995 A1	20180926	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20180514
EP3376995 A4	20190612	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20190510
SG11201804081U A1	20180628	LSPB	+	published / reissued	

US10413441 BB	20190917	LSGT	+	granted / extensions (spc, cpc, pte)	
US10413441 BB	20151118	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCONTINENT CONTROL DEVICES, INC., TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WEISS, STEPHEN JOEL; SIMOVICH, DAVID; SIGNING DATES FROM 20151029 TO 20151102; REEL/FRA:037069/0509
US10413441 BB	20190828	LSGT	PAT1	Patented Case	
US10413441 BB	20371227	PEXP		Calculated Patent Term Expiry (PTA 770 days)	
US2017135846 AA	20170518	LSPB	+	published / reissued	
US2017135846 AA	20180918	LSES	NFA1	Non Final Action Mailed	
US2017135846 AA	20190520	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017135846 AA	20190805	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2017135846 AA	20190828	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
WO17087011 A1	20170526	LSPB	+	published / reissued	
WO17087011 A1	20180501	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 259351 COUNTRY OF REF DOCUMENT : IL
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WO17087011 A1	20180515	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 11201804081U COUNTRY OF REF DOCUMENT : SG
WO17087011 A1	20180519	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO17087011 A1	20180618	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2016866768 COUNTRY OF REF DOCUMENT : EP

Title: OSTOMY POUCHING SYSTEM

Abstract: An ostomy pouching system having an ostomy wafer with a sealing ring around an opening therein and an **ostomy** bag having an opening with a sealing ring around the **ostomy** bag opening, the **ostomy** bag sealing ring sealingly connectable to the sealing ring of the ostomy wafer. An insert is insertable into the **ostomy** bag through the **ostomy** bag opening. The insert has an opening with a flange surrounding the opening and extending flat over the sealing ring of the **ostomy** bag so that upon the sealing ring of the **ostomy** bag engaging the sealing ring on the wafer, the flange is sealed between the **ostomy** bag sealing ring and the wafer sealing ring.

Classifications:
International (IPC 8-9): A61F5/445 (Advanced/Invention);
A61F5/445 (Core/Invention)
CPC: A61F5/445 A61F5/448 A61F2005/4402
European: A61F5/445 A61F5/448 K61F5/44D K61F5/44E1
US: 604/339 604/339P



Family:

Publication number	Publication date	Application number	Application date
US2010241093 AA	20100923	US20090406758	20090318

Priority:

US20090406758 20090318

Probable Assignee: HOOPER DAVID LEONARD

Assignee(s): (std): HOOPER DAVID LEONARD

Inventor(s): (std): HOOPER DAVID LEONARD

Agent(s): VERMETTE AND CO

Legal status (INPADOC)

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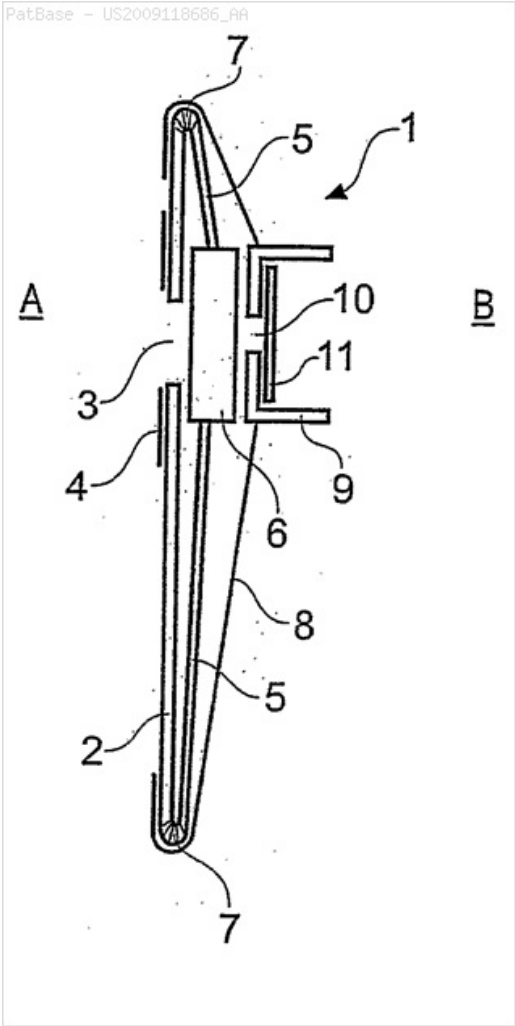
Patent	Date recorded	Event group	Code	Event	Details
US2010241093 AA	20100923	LSPB	+	published / reissued	
US2010241093 AA	20111117	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	

Title: **COLOSTOMY** ARRANGEMENTS

Abstract: A bag arrangement for a **colostomy** stoma, the bag arrangement comprising a bag having a stoma opening and a vent filter, the arrangement including a hood at least secured over the vent filter, the hood including an adaptor to allow gaseous withdrawal through the vent filter.

Classifications:

International (ipc 8-9): A61F5/44 A61F5/441 A61F5/445 A61M1/00 (Advanced/Invention); A61F5/44 A61F5/441 A61F5/445 A61M1/00 (Core/Invention)
CPC: A61F5/441 A61F5/445 A61M1/0066 A61M2205/8206 A61F2005/4415
European: A61F5/441 A61F5/445 A61M1/00P K61F5/441V K61M205/82B
US: 604/332



Family:

Publication number	Publication date	Application number	Application date
AT511823 E	20110615	AT20060726702T	20060412
DE602006022393 D1	20110721	DE200660022393T	20060412
DK1887997 T3	20111003	DK20060726702T	20060412
EP1887997 A2	20080220	EP20060726702	20060412
EP1887997 B1	20110608	EP20060726702	20060412
ES2370228 T3	20111213	ES20060726702T	20060412
GB200507501 A0	20050518	GB20050007501	20050414
GB200510597 A0	20050629	GB20050010597	20050524
GB200525718 A0	20060125	GB20050025718	20051219
GB2425063 A1	20061018	GB20050007501	20050414
GB2425064 A1	20061018	GB20050025718	20051219
PT1887997 T	20111012	PT20060726702T	20060412
US2009118686 AA	20090507	US20060911152	20060412
WO06109034 A2	20061019	WO2006GB01301	20060412
WO06109034 A3	20070322	WO2006GB01301	20060412

Priority:

GB20050007501 20050414 GB20050010597 20050524 GB20050025718 20051219
EP20060726702 20060412 WO2006GB01301 20060412

Probable Assignee: BMTLIFESTYLE LTD

Assignee(s): (std): BMTLIFESTYLE LTD ; PLAYDON MICHAEL A ; PLAYDON MICHAEL ALBERT

Assignee(s): MICHAEL ALBERT PLAYDON ; BMTLIFESTYLE LIMITED

Inventor(s): (std): PLAYDON MICHAEL ALBERT

Inventor(s): MICHAEL ALBERT PLAYDON

Agent(s): BOEHMERT AND BOEHMERT; PARNHAM KEVIN

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

Legal status (INPADOC)[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
AT511823 E	20110615	LSGT	+	granted / extensions (spc, cpc, pte)	
AT511823 E	20260412	PEXP		Calculated Patent Term Expiry	
DK1887997 T3	20111003	LSGT	+	granted / extensions (spc, cpc, pte)	
DK1887997 T3	20260412	PEXP		Calculated Patent Term Expiry	
EP1887997 A2	20080220	LSPB	+	published / reissued	
EP1887997 A2	20080220	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20071106
EP1887997 A2	20090107	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20081208
EP1887997 B1	20110608	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1887997 B1	20110608	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1887997 B1	20110615	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1887997 B1	20110706	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1887997 B1	20110721	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602006022393 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20110721
EP1887997 B1	20110921	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP1887997 B1	20111031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110608
EP1887997 B1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110909
EP1887997 B1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110608
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EP1887997 B1	20111213	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2370228 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20111213
EP1887997 B1	20111230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110608
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EP1887997 B1	20120131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110608
EP1887997 B1	20120229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110608
EP1887997 B1	20120229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110608
EP1887997 B1	20120229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110608
EP1887997 B1	20120516	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20120309

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EP1887997 B1	20120712	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602006022393 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20120309
EP1887997 B1	20120731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20120411 YEAR OF FEE PAYMENT : 7
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EP1887997 B1	20120731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20120413 YEAR OF FEE PAYMENT : 7
EP1887997 B1	20120731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20120411 YEAR OF FEE PAYMENT : 7
EP1887997 B1	20120831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20120504 YEAR OF FEE PAYMENT : 7
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EP1887997 B1	20121130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120430
EP1887997 B1	20121130	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1887997 B1	20121231	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20120510 YEAR OF FEE PAYMENT : 7
EP1887997 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120430
EP1887997 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120430
EP1887997 B1	20130131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20120412 YEAR OF FEE PAYMENT : 7
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EP1887997 B1	20130731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20130410 YEAR OF FEE PAYMENT : 8
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EP1887997 B1	20131113	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : V1 EFFECTIVE DATE : 20131101
EP1887997 B1	20131203	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : EUG
EP1887997 B1	20131209	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : EBP EFFECTIVE DATE : 20130430
EP1887997 B1	20131215	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 511823 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130430
EP1887997 B1	20140129	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP1887997 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20131101
EP1887997 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20130413
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EP1887997 B1	20140131	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20131231
EP1887997 B1	20140206	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 602006022393 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20131101
EP1887997 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20130430
EP1887997 B1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20131101

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EP1887997 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130412
EP1887997 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110608
EP1887997 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120412
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EP1887997 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060412
EP1887997 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130413
EP1887997 B1	20141224	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20140412
EP1887997 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140412
EP1887997 B1	20260412	PEXP		Calculated Patent Term Expiry	
ES2370228 T3	20111213	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2370228 T3	20260412	PEXP		Calculated Patent Term Expiry	
GB200510597 A0	20070829	LSWD	-AT	APPLICATIONS TERMINATED BEFORE PUBLICATION UNDER SECTION 16(1)	
GB2425063 A1	20061018	LSPB	+	published / reissued	
GB2425063 A1	20070829	LSWD	-WAP	APPLICATION WITHDRAWN, TAKEN TO BE WITHDRAWN OR REFUSED ** AFTER PUBLICATION UNDER SECTION 16(1)	
GB2425064 A1	20061018	LSPB	+	published / reissued	
GB2425064 A1	20070829	LSWD	-WAP	APPLICATION WITHDRAWN, TAKEN TO BE WITHDRAWN OR REFUSED ** AFTER PUBLICATION UNDER SECTION 16(1)	
PT1887997 T	20111012	LSGT	+	granted / extensions	

(spc, cpc, pte)					
PT1887997 T	20260412	PEXP		Calculated Patent Term Expiry	
US2009118686 AA	20090507	LSPB	+	published / reissued	
US2009118686 AA	20080118	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BMTLIFESTYLE LIMITED, UNITED KINGDOM OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:PLAYDON, MICHAEL ALBERT; REEL/FRAME:020388/0987 EFFECTIVE DATE : 20080109
US2009118686 AA	20110127	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
WO06109034 A2	20061019	LSPB	+	published / reissued	
WO06109034 A3	20071016	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO06109034 A3	20071016	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : DE
WO06109034 A3	20071106	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2006726702 COUNTRY OF REF DOCUMENT : EP
WO06109034 A3	20071114	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : RU
WO06109034 A3	20071114	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : RU
WO06109034 A3	20071129	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 11911152 COUNTRY OF REF DOCUMENT : US
WO06109034 A3	20080220	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2006726702 COUNTRY OF REF DOCUMENT : EP

Title: PORTABLE MEDICAL DEVICE SYSTEM

Abstract: The present invention provides an apparatus comprising a wound dressing (15) connected to a fluid container (11) via a pump (3), wherein the wound dressing is in communication with a mechanical pressure control valve (13), the fluid container is provided with an inlet (2) and an outlet (4). Also provided are (i) flexible fluid containers comprising of at least two layers of film with an integrated vent, (ii) wound dressings and (iii) a multi-compartment wound fluid container (20, 35, 63) comprising at least two internal compartments and provided with an outlet (31, 37, 51) and an inlet (19, 49), in which the container comprises a microporous fluid separator (29, 41, 55) which divides the at least two internal compartments, wherein the microporous fluid separator permits gas flow between the compartments and prevents fluid flow to the outlet of the container. Other apparatus provided comprises a means for detecting the level of fluid within a multi-compartment wound fluid container as described. The invention also provides a system for applying a sub-atmospheric pressure to a wound dressing on a patient using devices and apparatus of the invention and methods of treatment of wounds using such apparatus, devices and systems of the invention.

Classifications:**International (IPC 8-9):** A61F13/00 A61J1/10 A61J1/14 A61M

A61M1/00 A61M27/00 (Advanced/Invention);

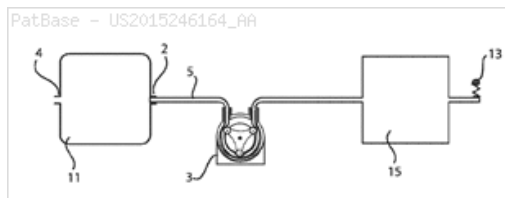
A61M (Subclass/Invention)

International (IPC 1-7): A61M1/00**CPC:** A61F13/00068 A61J1/10 A61J1/14 A61J1/2075 A61J1/2079

A61M1/0001 A61M1/0019 A61M1/0023 A61M1/0031 A61M1/0088

A61M1/0092 A61M1/0096 A61M2205/3331 A61M2205/8206

A61M2209/088

US: 604/313**Family:**

Publication number	Publication date	Application number	Application date
AU2013320005 AA	20150409	AU20130320005	20130920
AU2013320005 BB	20160519	AU20130320005	20130920
AU2016202642 AA	20160519	AU20160202642	20160426
AU2016202642 BB	20180322	AU20160202642	20160426
BR112015006165 A2	20170704	BR20151106165	20130920
BR112015006165 A2	20191126	BR20151106165	20130920
CA2884773 AA	20150310	CA20132884773	20130920
CN104797277 A	20150722	CN201380056574	20130920
CN104797277 B	20180522	CN201380056574	20130920
EP2897663 A1	20150729	EP20130771572	20130920
EP2897663 B1	20191113	EP20130771572	20130920
GB201216928 A0	20121107	GB20120016928	20120921
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GB201411374 A0	20140813	GB20140011374	20130920
GB2508696 A1	20140611	GB20130016705	20130920
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HK1207325 A1	20160129	HK20150108094	20150820
HK1207325 B	20190712	HK20150108094	20150820
JP2015532847 T2	20151116	JP20150532502T	20130920
JP2019048154 A2	20190328	JP20180220096	20181126
JP2019155145 A2	20190919	JP20190112492	20190618
JP6591287 B2	20191016	JP20150532502T	20130920
US2015246164 AA	20150903	US20130430225	20130920
US2019143009 AA	20190516	US20190248320	20190115
US10226553 BB	20190312	US20130430225	20130920
WO14045047 A1	20140327	WO2013GB52465	20130920

Priority:

GB20120016928	20120921	AU20130320005	20130920	GB20130016705	20130920
JP20150532502T	20130920	WO2013GB52465	20130920	US20150430225	20150322
AU20160202642	20160426	JP20180220096	20181126	US20190248320	20190115
JP20190112492	20190618				

Probable Assignee: I2R MEDICAL LTD**Assignee(s):** (std): I2R MEDICAL LTD ; 2R MEDCAL LMTED ; I2R MEDICAL LTD**Assignee(s):** HARDMAN IAN ; HEATON KEITH ; I2R MEDICAL LIMITED**Inventor(s):** (std): HEATON KETH ; IAN HARDMAN ; LAN HARDMAN ; KEITH HEATON ; HARDMAN IAN ; HEATON KEITH ; HEATON KEITH K ; HARDMAN IAN I ; HEATON KEITH PATRICK ; HARDMAN IAN JAMES**Inventor(s):** IAN JAMES HARDMAN ; KEITH PATRICK HEATON**Agent(s):** FB RICE ; FB RICE PTY LTD ; LEUNG JASON C ; BASSIL NICHOLAS CHARLES ; HOCKING ADRIAN NIAL ; NYEMASTER GOODE PC ; BASSIL NICHOLAS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW 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
AU2013320005 AA	20150409	LSPB	+	published /	

AU2013320005 BB	20160519	LSGT	+	reissued granted / extensions (spc, cpc, pte)	
AU2013320005 BB	20160915	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2013320005 BB	20330920	PEXP		Calculated Patent Term Expiry	
AU2016202642 AA	20160519	LSPB	+	published / reissued	
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EP2897663 A1	20190703	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20190605
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				reissued	
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US10226553 BB	20330920	PEXP		Calculated Patent Term Expiry	
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US2015246164 AA	20170417	LSSES	NFA1	Non Final Action Mailed	
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US2015246164 AA	20190126	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
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US2019143009 AA	20190516	LSPB	+	published / reissued	
WO14045047 A1	20140327	LSPB	+	published / reissued	
WO14045047 A1	20150310	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2884773 COUNTRY OF REF DOCUMENT : CA
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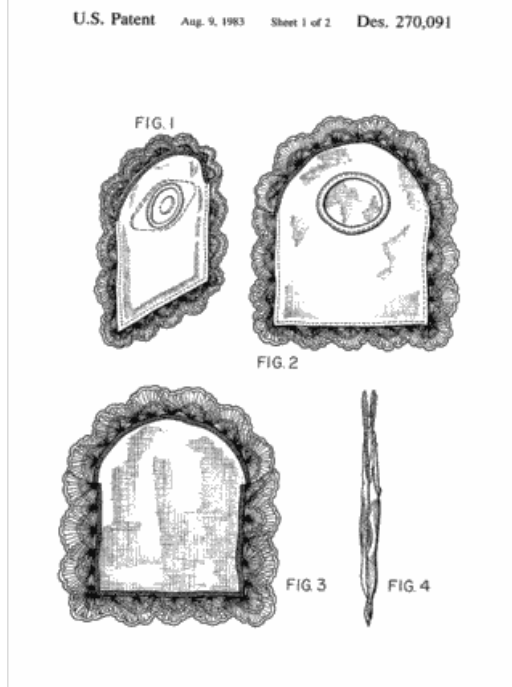
Title: COVER FOR **COLOSTOMY** OR ILEOSTOMY POUCH

Abstract: (Claims)The ornamental design for a cover for **colostomy** or ileostomy pouch, as shown and described.

Classifications:

US: D24/118 D24/127 D24/58

PatBase - USD270091_S1



Family:

Publication number	Publication date	Application number	Application date
USD270091 S1	19830809	US19800213306F	19801205

Priority:

US19800213306F 19801205

Probable Assignee:

SETZER PATRICIA E

Assignee(s): (std):

SETZER PATRICIA E

Inventor(s): (std):

SETZER PATRICIA E

Inventor(s):

PATRICIA E SETZER

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
USD270091 S1	19830809	LSGT	+	granted / extensions (spc, cpc, pte)	
USD270091 S1	19830610	LSGT	PAT1	Patented Case	
USD270091 S1	19970809	PEXP		Calculated Patent Term Expiry	

Title: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1D7 USEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND OTHER CANCERS

Abstract: The invention described herein relates to novel nucleic acid sequences and their encoded proteins, referred to as 158P1D7 and variants thereof, and to diagnostic and therapeutic methods and compositions useful in the management of various cancers that express 158P1D7 and variants thereof.

Classifications:

International (IPC 8-9): A61K38/08 A61K38/10 A61K39/395
A61K47/48 A61K51/10 C07K14/47 C07K16/30 C07K7/06 C07K7/08
C12Q1/00 G01N1/00 G01N33/48 G01N33/53 G01N33/566
G01N33/567 G01N33/574 G01N33/577 (Advanced/Invention);
A61K38/00 (Advanced/Non-invention)
CPC: A61K47/48569 A61K38/00 A61K47/646 C07K14/47 C07K16/30
C07K16/3038 G01N33/57484 Y10T436/25 A61K47/6813
A61K51/1093 C07K16/18 C07K2317/54 C07K2317/55
C07K2317/622
US: 435/4 435/7.1 435/7.21 435/7.23 435/7.92 436/174 436/501
436/63 436/64

PatBase - US2013052667_AA

Patent Application Publication Feb. 28, 2013 Sheet 1 of 74 US 2013/0052667 A1

Figure 1: 158P1D7 cDNA sequence (SEQ ID NO:1).

```

1 GAGTGTATGA GGTTCAGATG TTTGCTGCTT GAGCATGATG TGAAGTCTTT GATGGGATTA
61 GAGCTTTTGA GTTCAAGAGG ATGGGGGAGA AAGGCTCTGG AAGTTGATGG GAGGCTCTTG
101 TATATATAGG TATCAACCTT GGGCTCTTGG TGGTACCTTT TGAATGTGAC GTTGCTCTTG
141 TTAACCTGCG ATTCTATGCT ATTGAAGATG TTGCTGCGCG ATTGAAGATG C

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Family:

Publication number	Publication date	Application number	Application date
■ US2013052667 AA	20130228	US20120662332	20121026
■ US2014051096 A9	20140220	US20120662332	20121026
■ US8951744 BB	20150210	US20120662332	20121026

Priority:

US20000227098P 20000822	US20010282739P 20010410	US20010282793P 20010410
US20010935430 20010822	US20020277292 20021021	US20020280340 20021025
US20030446633P 20030210	US20040776773 20040210	US20080050895 20080318
US20120662332 20121026		

Probable Assignee: AGENSYS INC

Assignee(s): (std): AGENSYS INC

Inventor(s): (std): JAKOBOVITS AYA ; GUDAS JEAN ; KANNER STEVEN B ; MORRISON ROBERT KENDALL ; CHALLITA EID PIA M ; GE WANGMAO ; MORRISON KAREN JANE MEYRICK ; PEREZ VILLAR JUAN J ; FARIS MARY ; RAITANO ARTHUR B

Agent(s): MORRISON AND FOERSTER LLP

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2013052667 AA	20130228	LSPB	+	published / reissued	
US2013052667 AA	20130408	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AGENSYS, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: JAKOBOVITS, AYA; MORRISON, ROBERT KENDALL; RAITANO, ARTHUR B.; AND OTHERS; SIGNING DATES FROM 20121204 TO 20130312; REEL/FRAME: 030172/0534
US2014051096 A9	20150121	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
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US8951744 BB	20150121	LSGT	PAT1	Patented Case	
US8951744 BB	20180810	LSFE	+MAFP	MAINTENANCE	YEAR OF FEE PAYMENT : 4

FEE PAYMENT			
US8951744 BB	20321026	PEXP	Calculated Patent Term Expiry

Title: COATINGS AND METHODS FOR CONTROLLED ELUTION OF HYDROPHILIC ACTIVE AGENTS

Abstract: Embodiments of the invention include multi-layer coatings and methods for controlling the elution of hydrophilic active agents. In an embodiment, the invention includes a medical device including a substrate, a primer polymer layer disposed on the substrate, an expandable layer disposed on the primer polymer layer, and a hydrophilic active agent dispersed within the expandable layer. In an embodiment, the invention includes a method of forming a medical device including depositing a primer layer onto a substrate, the primer layer comprising a primer polymer. The method can further include depositing an expandable layer onto the primer layer, the expandable layer including an expandable polymer, and a hydrophilic active agent. The expandable layer can be deposited with a solvent that is effective to solvate both the expandable polymer and the primer polymer. Other embodiments are also included herein.

Classifications:

International (IPC 8-9): A61K31/7052 A61K38/02 A61K9/00

A61L27/34 A61L27/54 A61L31/10 A61L31/16

B05D5/00 (Advanced/Invention)

CPC: A61L27/34 A61L27/54 A61L31/10 A61L31/16 A61L2420/02

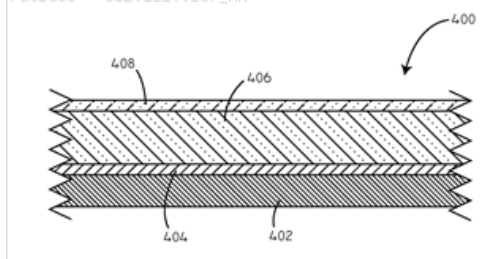
European: A61L27/34 A61L27/54 A61L31/10 A61L31/16

K61L420/02

US: 424/400 424/400P 427/2.21 427/2.210S 514/1.1 514/1.100S

514/44.00RS 514/44R

PatBase - US2012100187_AA



Family:

Publication number	Publication date	Application number	Application date
US2012100187 AA	20120426	US20110281802	20111026
WO12058274 A2	20120503	WO2011US57826	20111026
WO12058274 A3	20120621	WO2011US57826	20111026

Priority:

US20100406906P 20101026 US20110281802 20111026

Probable Assignee: SURMODICS INC

Assignee(s): (std): BABCOCK DAVID E ; BURKSTRAND MICHAEL J ; CHAPPA RALPH A ; SURMODICS INC

Inventor(s): (std): CHAPPA RALPH A ; BABCOCK DAVID E ; BURKSTRAND MICHAEL J

Agent(s): DEFFNER MARK E

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 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

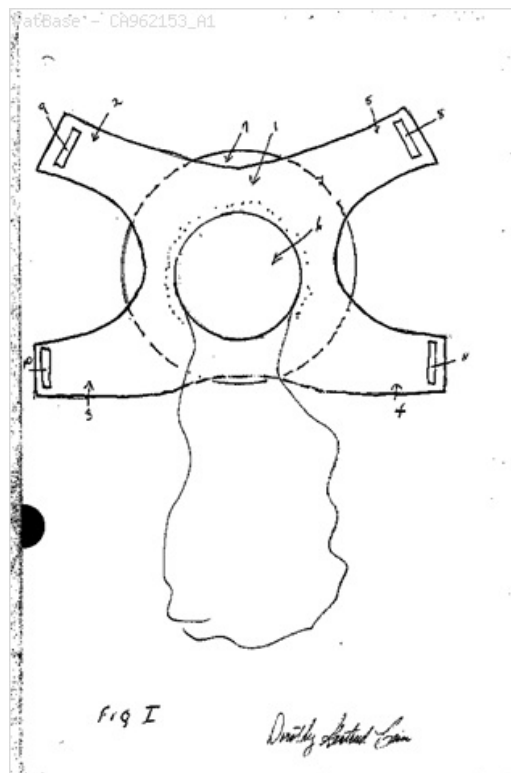
Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
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US2012100187 AA	20111222	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SURMODICS, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:CHAPPA, RALPH A.; BURKSTRAND, MICHAEL J.; BABCOCK, DAVID E.; SIGNING DATES FROM 20111121 TO 20111221; REEL/FRAME:027435/0281
US2012100187 AA	20150720	LSAL	NAF1	Notice of Appeal Filed	
US2012100187 AA	20170323	LSWD	-ABD3	Abandoned - Failure to Respond to an Office Action	
WO12058274 A2	20120503	LSPB	+	published / reissued	
WO12058274 A3	20130426	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO12058274 A3	20131120	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 11782492 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :

Title: **COLOSTOMY** MANAGEMENT DEVICE

Classifications:



Family:

Publication number	Publication date	Application number	Application date
CA962153 A1	19750204	CA19730179210	19730820

Priority:

GB19720039320 19720823

Probable Assignee:

CAIN DOROTHY G

Assignee(s): (std):

CAIN DOROTHY G

Inventor(s): (std):

CAIN DOROTHY G

Legal status (INPADOC)

[View legal status timeline](#)

No INPADOC legal status information found.

Title: OSTOMY POUCH AND OSTOMY POUCH OUTLET

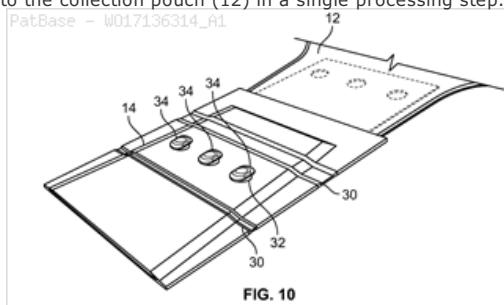
Abstract: An ostomy pouch (10) includes a collection pouch (12) having a first side wall (16) and a second side wall (18) connected to one another along a periphery, the collection pouch (12) having a collection cavity (20) defined between the first and second side walls (16, 18). The ostomy pouch (10) further includes an outlet device (14) connected to and extending from the collection pouch (12), the outlet device (14) defining an internal passageway (24) connected to the collection cavity (20) and a closure member (26) on the outlet device (14) configured to selectively close the outlet device (14). The outlet device (14) is formed separately from the collection pouch (12) and attached to a collection pouch outlet. The outlet device (14) and closure member (26) may be formed together and secured to the collection pouch (12) in a single processing step.

Classifications:

International (IPC 8-9): A61F5/44 A61F5/445 (Advanced/Invention)

CPC: A61F5/4405 A61F5/4407 A61F5/445

PatBase - WO17136314_A1



Family:

Publication number	Publication date	Application number	Application date
EP3410991 A1	20181212	EP20170704919	20170131
JP2019503805 T2	20190214	JP20180540425T	20170131
WO17136314 A1	20170810	WO2017US15763	20170131

Priority:

US20160291969P 20160205 WO2017US15763 20170131

Probable Assignee: HOLLISTER INC

Assignee(s): (std): HOLLISTER INC

Inventor(s): (std): WOHLGEMUTH JAN ; MAACK METTE DYBENDAL ; NIELSEN KENNETH ; SKJODT OLE ; TORSTENSEN JAN ; JENSEN PETER MOLLER ; GRUM SCHWENSEN CHRISTEN ; RICHMANN SUSSIE ; MOLLER JENSEN PETER

Agent(s): HOEIBERG P S; SOGA MICHIHARU; PAE SUN Y ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC 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)

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Patent	Date recorded	Event group	Code	Event	Details
EP3410991 A1	20181212	LSPB	+	published / reissued	
EP3410991 A1	20181212	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20180823
JP2019503805 T2	20190214	LSPB	+	published / reissued	
JP2019503805 T2	20191210	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20191210
JP2019503805 T2	20191210	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20191210
WO17136314 A1	20170810	LSPB	+	published / reissued	
WO17136314 A1	20180802	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2018540425 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO17136314 A1	20180807	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO17136314 A1	20180905	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2017704919 COUNTRY OF REF DOCUMENT : EP

WO17136314 A1	20180921	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017704919 COUNTRY OF REF DOCUMENT : EP EFFECTIVE DATE : 20180905
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Title: ANAL CLOSURE WITH IMPLANTED MAGNET ASSEMBLY - HAS PLUG CONTG. SECOND MAGNET ASSEMBLY IN PIN SHAPED ATTACHMENT

Abstract: Anal closure comprises a first implantable magnet assembly contg. two or more magnet systems (16, 18) which are spaced apart in the longitudinal direction of the intestine. A plug (12) comprises a sealing surface, and a pin shaped attachment contg. a second magnet assembly (22). The two magnet assemblies coact to provide a constant closure force within a given range of spacings. The sealing surface of the plug pref. has a shape conforming to that of the region of the body surrounding the anus and is made of soft elastic material.

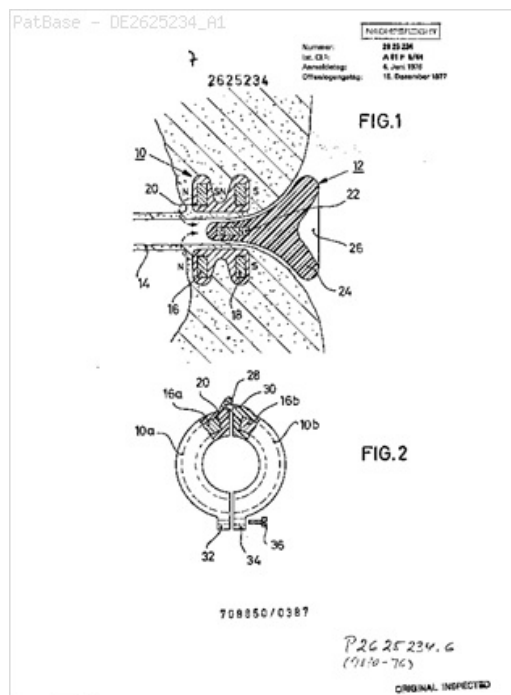
Classifications:

International (IPC 8-9): A61F2/00 (Advanced/Invention);
A61F2/00 (Core/Invention)

International (IPC 1-7): A61F5/44

CPC: A61F2/0018

European: A61F2/00B2D



Family:

Publication number	Publication date	Application number	Application date
DE2625234 A1	19771215	DE19762625234	19760604
DE2625234 C2	19861002	DE19762625234	19760604

Priority:

DE19762625234 19760604

Probable Assignee: HENNIG GERHARD

Assignee(s): (std): COLOPLAST AS ; HENNIG GERHARD ; HENNIG GERHARD DR ING

Assignee(s): COLOPLAST A S ESPERGAERDE DK

Inventor(s): (std): HENNIG GERHARD DR ING

Inventor(s): HENNIG GERHARD DR ING 8035 GAUTING DE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE2625234 A1	19771215	LSPB	+	published / reissued	
DE2625234 A1	19800619	LSAS	OGA	NEW PERSON/NAME/ADDRESS OF THE APPLICANT	
DE2625234 A1	19830811	LSSES	+8110	REQUEST FOR EXAMINATION PARAGRAPH 44	
DE2625234 C2	19861002	LSGT	+	granted / extensions (spc, cpc, pte)	
DE2625234 C2	19861002	LSGT	+D2	GRANT AFTER EXAMINATION	
DE2625234 C2	19870402	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE2625234 C2	19930609	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	

Title: **OSTOMY** BAG MAGNETIC COUPLING

Abstract: A two part coupling for joining an **ostomy** bag to a pad or to a faceplate is characterized in that the two cooperating coupling parts are held together in a detachable manner by magnetic force.

Classifications:

International (IPC 8-9): A61F5/44 A61F5/448 (Advanced/Invention);
A61F5/44 A61F5/445 (Core/Invention)

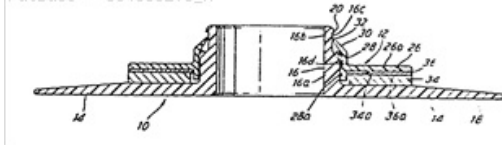
International (IPC 1-7): A61F5/44 A61F5/448

CPC: A61F5/448

European: A61F5/448

US: 604/338

PatBase - US4636205_A



Family:

Publication number	Publication date	Application number	Application date
AT36115 E	19880815	AT19840306882T	19841009
CA1254469 A1	19890523	CA19840465476	19841015
DE3473119 D1	19880908	DE19843473119	19841009
EP0142259 A1	19850522	EP19840306882	19841009
EP0142259 B1	19880803	EP19840306882	19841009
GB2147810 A1	19850522	GB19830027469	19831013
GB2147810 B2	19870211	GB19830027469	19831013
GB8327469 A0	19831116	GB19830027469	19831013
JP1795863 C3	19931028	JP19840212422	19841009
JP4079658 B4	19921216	JP19840212422	19841009
JP60100959 A2	19850604	JP19840212422	19841009
US4636205 A	19870113	US19840659936	19841011

Priority:

GB19830027469 19831013 EP19840306882 19841009 CA19840465476 19841015

Probable Assignee: E R SQUIBB AND SONS INC A CORP OF DE

Assignee(s): (std): CRAIG MED PROD LTD ; KUREIGU MEDICAL PURODAKUTSU LT

Assignee(s): KUREIGU MEDEIKARU PURODAKUTSU LTD ; KUREIGU MEDICAL PURODAKUTSU LTD ; E R SQUIBB AND SONS INC A CORP OF DE ; STEER PETER L ; CRAIG MEDICAL PRODUCTS A CORP OF GREAT BRITAIN LTD ; CRAIG MEDICAL PRODUCTS LIMITED ; CRAIG MEDICAL PRODUCTS LTD ; E R SQUIBB AND SONS INC

Inventor(s): (std): STEER PETER LESLIE ; PIITAA ERU SUTEA ; STEER PETER L

Inventor(s): PETER LESLIE STEER

Agent(s): OSLER HOSKIN AND HARCOURT LLP

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT36115 E	19880815	LSGT	+	granted / extensions (spc, cpc, pte)	
AT36115 E	19881115	LSPB	+UEP	PUBLICATION OF TRANSLATION OF EUROPEAN PATENT SPECIFICATION	
AT36115 E	19901115	LSAS	EEIH	CHANGE IN THE PERSON OF PATENT OWNER	
AT36115 E	20020715	LSLE	-REN	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT36115 E	20041009	PEXP		Calculated Patent Term Expiry	
DE3473119 D1	19890824	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE3473119 D1	19900816	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : E.R. SQUIBB & SONS, INC., PRINCETON, N.J., US
EP0142259 A1	19850522	LSPB	+	published / reissued	
EP0142259 A1	19860115	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19851105
EP0142259 A1	19870121	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19861205
EP0142259 B1	19880803	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0142259 B1	19890719	LSGT	+26N	NO OPPOSITION FILED	
EP0142259 B1	19900615	LSAS	REG	REFERENCE TO A	REF COUNTRY CODE : CH

				NATIONAL CODE	REF LEGAL EVENT CODE : PFA TEXT : TETRA PAK HOLDINGS & FINANCE S.A.
EP0142259 B1	19900615	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : CH OWNER : E. R. SQUIBB & SONS, INC. REF LEGAL EVENT CODE : PUE
EP0142259 B1	19901003	LSAS	ITPR	IT: CHANGES IN OWNERSHIP OF A EUROPEAN PATENT	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : CESSIONE; E.R. SQUIBB & SONS, INC.
EP0142259 B1	19901109	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : TP
EP0142259 B1	19921031	LSFE	ITTA	IT: LAST PAID ANNUAL FEE	REF COUNTRY CODE : EP
EP0142259 B1	19931216	LSFE	+EPTA	LU: LAST PAID ANNUAL FEE	REF COUNTRY CODE : EP
EP0142259 B1	19950131	LSGT	+EAL	SE: EUROPEAN PATENT IN FORCE IN SWEDEN	REF COUNTRY CODE : EP TEXT : 84306882.6
EP0142259 B1	20001006	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20001006 YEAR OF FEE PAYMENT : 17
EP0142259 B1	20001009	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20001009 YEAR OF FEE PAYMENT : 17
EP0142259 B1	20001011	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20001011 YEAR OF FEE PAYMENT : 17
EP0142259 B1	20001011	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20001011 YEAR OF FEE PAYMENT : 17
EP0142259 B1	20001214	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20001214 YEAR OF FEE PAYMENT : 17
EP0142259 B1	20011009	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20011009
EP0142259 B1	20011009	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20011009
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EP0142259 B1	20011031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20011031
EP0142259 B1	20011031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20011031

EP0142259 B1	20020430	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : E.R. SQUIBB & SONS INC. EFFECTIVE DATE : 20011031
EP0142259 B1	20020604	LSLE	-EUG	SE: EUROPEAN PATENT HAS LAPSED	REF COUNTRY CODE : EP TEXT : 84306882.6
EP0142259 B1	20020614	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0142259 B1	20031003	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20031003 YEAR OF FEE PAYMENT : 20
EP0142259 B1	20031008	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20031008 YEAR OF FEE PAYMENT : 20
EP0142259 B1	20031016	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20031016 YEAR OF FEE PAYMENT : 20
EP0142259 B1	20041009	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20041009
EP0142259 B1	20041201	LSLE	-NLV7	NL: LAPSED DUE TO REACHING THE MAXIMUM LIFETIME OF A PATENT	REF COUNTRY CODE : EP EFFECTIVE DATE : 20041009
EP0142259 B1	20041009	PEXP		Calculated Patent Term Expiry	
GB2147810 A1	19850522	LSPB	+	published / reissued	
GB2147810 B2	19870211	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2147810 B2	20031105	LSLE	-PE20	PATENT EXPIRED AFTER TERMINATION OF 20 YEARS	EFFECTIVE DATE : 20031012
GB2147810 B2	20031013	PEXP		Calculated Patent Term Expiry	
JP1795863 C3	19931028	LSGT	+	granted / extensions (spc, cpc, pte)	
JP1795863 C3	20041009	PEXP		Calculated Patent Term Expiry	
JP4079658 B4	19921216	LSPB	+	published / reissued	
JP4079658 B4	20041009	LSLE	-EXPY	CANCELLATION BECAUSE OF COMPLETION OF TERM	
JP60100959 A2	19850604	LSPB	+	published / reissued	
US4636205 A	19870113	LSGT	+	granted / extensions (spc, cpc, pte)	
US4636205 A	19860915	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CRAIG MEDICAL PRODUCTS LIMITED, 204A LONDON ROAD, OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:STEER, PETER L.; REEL/FRAME:004602/0869 EFFECTIVE DATE : 19850213
US4636205 A	19860915	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CRAIG MEDICAL PRODUCTS LIMITED, A CORP. OF GREAT B OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:STEER, PETER L.; REEL/FRAME:004602/0869 EFFECTIVE DATE : 19850213
US4636205 A	19861112	LSGT	PAT1	Patented Case	
US4636205 A	19880325	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : E. R. SQUIBB & SONS, INC., LAWRENCEVILLE- PRINCETON OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:CRAIG MEDICAL

					PRODUCTS LIMITED; REEL/FRAME:004840/0733 EFFECTIVE DATE : 19880318
US4636205 A	19880325	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : E. R. SQUIBB & SONS, INC., A CORP. OF DE.,NEW JER OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CRAIG MEDICAL PRODUCTS LIMITED; REEL/FRAME:004840/0733 EFFECTIVE DATE : 19880318
US4636205 A	19900515	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US4636205 A	19940620	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US4636205 A	19990110	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4636205 A	19990323	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19990113
US4636205 A	20180123	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US4636205 A	20180123	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US4636205 A	20041011	PEXP		Calculated Patent Term Expiry	

Title: Valve device for absorption of the gas components

Abstract: PCT No. PCT/NO94/00127 Sec. 371 Date Feb. 21, 1996 Sec. 102(e) Date Feb. 21, 1996 PCT Filed Jul. 15, 1994 PCT Pub. No. WO95/03015 PCT Pub. Date Feb. 2, 1995A valve device having a filter with at least a lower and upper compartment. The lower compartment is in fluid communication with a collection bag via apertures. The lower compartment is defined by a first division plate and a bottom wall. This lower compartment is filled with an odor absorbing substrate. One embodiment includes two lower compartments wherein the gas entering the lower compartment from the collection bag through the apertures, circulates along the length of the compartment, around the lower division plate, and along the length of the compartment toward the opening.

Classifications:

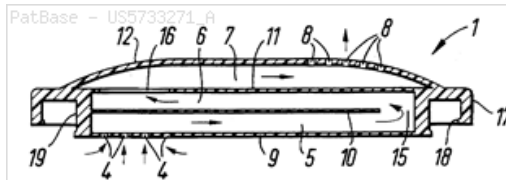
International (IPC 8-9): A61F5/441 B01D53/04 (Advanced/Invention); A61F5/441 B01D53/04 (Core/Invention); A61F (Subclass/Invention)

International (IPC 1-7): A61F5/44 A61F5/441 B01D53/00

CPC: A61F5/441 B01D53/0446 B01D53/0454 B01D2253/102 B01D2253/25 B01D2257/90 B01D2259/4533

European: A61F5/441 B01D53/04C10 L01D253/102 L01D253/25 L01D257/90 L01D259/45M L01D53/04R

US: 55/385.4 55/482 55/486 604/333 604/338



Family:

Publication number	Publication date	Application number	Application date
AU199472769 A1	19950220	AU19940072769	19940715
AU675867 B2	19970220	AU19940072769	19940715
CA2167512 AA	19960117	CA19942167512	19940715
EP0710094 A1	19960508	EP19940923100	19940715
NO177482 B	19950619	NO19940001499	19940425
NO177482 C	19950927	NO19940001499	19940425
NO932605 A0	19930719	NO19930002605	19930719
NO941499 A	19950120	NO19940001499	19940425
NO941499 A0	19940425	NO19940001499	19940425
NO941499 L	19950120	NO19940001499	19940425
US5733271 A	19980331	US19960581613	19960221
WO9503015 A1	19950202	WO1994NO00127	19940715

Priority:

NO19930002605 19930719 NO19930002605 19930719 NO19940001499 19940425
NO19940001499 19940425 WO1994NO00127 19940715

Probable Assignee: OLE BJORN

Assignee(s): (std): BJOERN PER OLE ; BJORN PER OLE ; OLE BJORN

Assignee(s): PER OLE BJORN

Inventor(s): (std): BJORN PER OLE ; BJOERN PER OLE

Inventor(s): PER OLE BJORN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; ROBIC

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU199472769 A1	19950220	LSPB	+	published / reissued	
AU675867 B2	19970220	LSGT	+	granted / extensions (spc, cpc, pte)	
AU675867 B2	20140715	PEXP		Calculated Patent Term Expiry	
CA2167512 AA	19960117	LSPB	+	published / reissued	
CA2167512 AA	19980715	LSLE	-FZDE	DEAD	
EP0710094 A1	19960508	LSPB	+	published / reissued	
EP0710094 A1	19960508	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19960219
EP0710094 A1	19960814	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19960626
EP0710094 A1	19971210	LSWD	-18W	APPLICATION WITHDRAWN	DATE APPLICATION WITHDRAWN : 19971008
NO177482 B	19950619	LSPB	+	published / reissued	
NO177482 C	19950927	LSGT	+	granted / extensions (spc, cpc, pte)	
NO177482 C	20140425	PEXP		Calculated Patent Term Expiry	
NO941499 A	19950120	LSPB	+	published / reissued	
US5733271 A	19980331	LSGT	+	granted / extensions (spc, cpc, pte)	

US5733271 A	20020401	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5733271 A	20020430	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5733271 A	20020430	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5733271 A	20020528	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20020331
US5733271 A	20160221	PEXP		Calculated Patent Term Expiry	
WO9503015 A1	19950202	LSPB	+	published / reissued	
WO9503015 A1	19960117	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2167512 COUNTRY OF REF DOCUMENT : CA
WO9503015 A1	19960219	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1994923100 COUNTRY OF REF DOCUMENT : EP
WO9503015 A1	19960221	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 08581613 COUNTRY OF REF DOCUMENT : US
WO9503015 A1	19960508	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1994923100 COUNTRY OF REF DOCUMENT : EP
WO9503015 A1	19971008	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1994923100 COUNTRY OF REF DOCUMENT : EP

Title: ARTICLE OF MANUFACTURE HAVING ADHESIVE PROPERTIES

Abstract: An article of manufacture with adhesive properties comprising a gelatinous adhesive composition dispersed in a plastics matrix. The gelatinous adhesive composition is the resulting product of heating together in the absence of solvent at least one polyhydric alcohol and at least one material selected from the group consisting of gelatin, naturally occurring high molecular weight polysaccharide gums, and resins which are a copolymer of a vinyl ether and a second component selected from organic acid anhydrides and their corresponding free acids. Heating promotes a chemical reaction between the components and also drives off water produced in the reaction which is carried substantially to completion.

Classifications:

International (IPC 8-9): A61F5/44 A61L24/04 A61L24/06 A61L24/08 A61L24/10 A61L28/00 C08L23/22 C08L35/08 C08L5/00 C09J105/00 C09J123/22 C09J135/08 (Advanced/Invention);

A61F5/44 A61L24/00 A61L28/00 C08L23/00 C08L35/00 C08L5/00 C09J105/00 C09J123/00 C09J135/00 (Core/Invention)

International (IPC 1-7): A61F5/44 A61L15/06 C08B37/00 C08L23/22 C08L31/04 C08L35/08 C08L5/00 C09J3/02 C09J3/08 C09J3/14

CPC: A61L24/043 A61L24/06 A61L24/08 A61L24/104 A61L28/0096 A61L2400/14 C08L2666/02 C08L2666/28 C09J105/00 C09J123/22 C09J135/08

European: A61L24/04M A61L24/04P A61L24/04P+C08L29/10 A61L24/06 A61L24/08 A61L24/10E A61L28/00R4R C09J105/00 C09J123/22 C09J135/08 K61L400/14

US: 128/156 523/111 524/22 524/24 524/517 524/55 525/194 525/207 602/56 604/336 604/344

Family:

Publication number	Publication date	Application number	Application date
AT14380 E	19850815	AT19800300877T	19800321
DE3070895 D1	19850829	DE19803070895	19800321
EP0017401 A1	19801015	EP19800300877	19800321
EP0017401 B1	19850724	EP19800300877	19800321
GB2046774 A1	19801119	GB19800009733	19800321
GB2046774 B2	19830803	GB19800009733	19800321
US4356819 A	19821102	US19800132071	19800320

Priority:

GB19790009956 19790321 EP19800300877 19800321 GB19800009733 19800321

Probable Assignee: ADVANCE TAPES UK LTD

Assignee(s): (std): ADVANCE TAPES UK LTD

Assignee(s): ADVANCE TAPES (UK) LTD ; ADVANCE TAPES LTD ; ADVANCE TAPES U K LIMITED ; ADVANCE TAPES U K LTD

Inventor(s): (std): POTACZEK JAN J

Designated states: AT BE CH DE FR IT NL SE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT14380 E	19850815	LSGT	+	granted / extensions (spc, cpc, pte)	
AT14380 E	20000321	PEXP		Calculated Patent Term Expiry	
DE3070895 D1	19860821	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE3070895 D1	19870319	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
EP0017401 A1	19801015	LSPB	+	published / reissued	
EP0017401 A1	19810617	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19810404
EP0017401 B1	19850724	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0017401 B1	19850724	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT LAPSED DATE : 19850724
EP0017401 B1	19850724	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE LAPSED DATE : 19850724
EP0017401 B1	19850724	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH LAPSED DATE : 19850724
EP0017401 B1	19850724	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT :

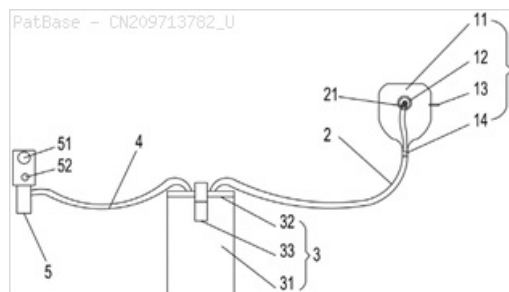
				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NL LAPSED DATE : 19850724
EP0017401 B1	19850724	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATION OF LAPSE : THE PATENT HAS BEEN ANNULLED BY A DECISION OF A NATIONAL AUTHORITY LAPSED DATE : 19850724
EP0017401 B1	19850724	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19850724
EP0017401 B1	19850730	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE LAPSED DATE : 19850730
EP0017401 B1	19851115	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0017401 B1	19860116	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
EP0017401 B1	19860716	LSGT	+26N	NO OPPOSITION FILED	
EP0017401 B1	19861202	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE LAPSED DATE : 19861202
EP0017401 B1	20000321	PEXP		Calculated Patent Term Expiry	
GB2046774 A1	19801119	LSPB	+	published / reissued	
GB2046774 B2	19830803	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2046774 B2	19861119	LSLE	-PCNP	PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL FEE	
GB2046774 B2	20000321	PEXP		Calculated Patent Term Expiry	
US4356819 A	19821102	LSGT	+	granted / extensions (spc, cpc, pte)	
US4356819 A	19820610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ADVANCE TAPES (U.K.) LIMITED, OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR: POTACZEK, JAN J.; REEL/FRAME: 004000/0106 EFFECTIVE DATE : 19801230
US4356819 A	19821102	LSGT	PAT1	Patented Case	
US4356819 A	19821102	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US4356819 A	20000320	PEXP		Calculated Patent Term Expiry	

Title: A drain urine suction device (Machine translation)

Abstract: Source: CN209713782U **Machine translation:** The utility model provides a leakage of urine suction device, comprising a sealed connection with the patient urinary stoma **ostomy** bag for leakage of urine and attract the suction tube, said suction tube One end sequentially passes through the **ostomy** bag inlet and the patient urinary stoma sealing connection port connected to extend into the patient urinary stoma, and the sucking pipe and inlet seal connection, the other end of the suction tube extends into the first collection collection barrel barrel and cap sealing connection, the collecting tub is also provided with a suction tube, said suction supply tube One end of the supply pipe wall and the end cap sealing connection and at the other end to a suction means fixedly connected. By the utility model can effectively guarantee the safety of the treatment, promote wound healing and shorten the treatment cost savings of urine leakage patients hospitalized for a long time.

Classifications:

International (IPC 8-9): A61M1/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN209713782 U	20191203	CN201920137839U	20190128

Priority:

CN201920137839U 20190128

Probable Assignee: CHOI CHIN GUANGDONG MEDICAL DEVICES CO LTD

Assignee(s): CHOI CHIN GUANGDONG MEDICAL DEVICES CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN209713782 U	20191203	LSGT	+	granted / extensions (spc, cpc, pte)	
CN209713782 U	20191203	LSGT	+GR01	PATENT GRANT	
CN209713782 U	20290128	PEXP		Calculated Patent Term Expiry	

Title: FINGER-GUIDED SUTURE DEVICE

Abstract: A finger-guided suture device is disclosed. The device includes a thimble-like element to surround a portion of a finger and an ejectable substantially semi-circular surgical needle for collecting retaining and guiding a surgical suture via a distal portion of the needle upon contact. Also included is a mechanism for ejecting the needle from, and withdrawing the needle into, the thimble-like element, so as to place a suture. Also disclosed are surgical methods employing the device.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/04

A61B17/062 (Advanced/Invention);

A61B17/00 (Advanced/Non-invention);

A61B17/04 (Core/Invention);

A61B17/00 (Core/Non-invention)

International (IPC 1-7): A61B A61B17/04 A61E2/02 A61E5/48 A61F2/02

CPC: A61B17/0485 A61B17/0491 A61B17/062 A61B17/0469

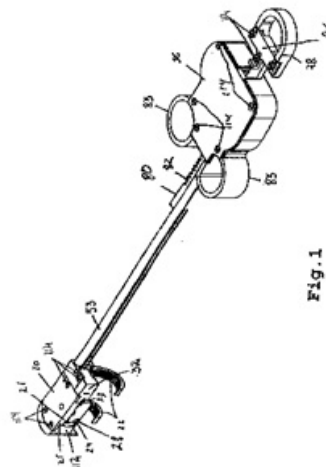
A61B17/0482 A61B2017/00265 A61B2017/00438 A61B2017/00805

European: A61B17/04E K61B17/00E1H K61B17/00G6 K61B17/00R9 K61B17/04G

US: 128/885 600/3 600/30 606/139

PatBase - US2003208100_AA

Patent Application Publication Nov. 6, 2003 Sheet 1 of 32 US 2003/0208100 A1

**Family:**

Publication number	Publication date	Application number	Application date
AT507779 E	20110515	AT20010936771T	20010524
AU200162630 A1	20011203	AU20010062630	20010524
AU200162630 A5	20011203	AU20010062630	20010524
CA2410365 AA	20021125	CA20012410365	20010524
DE60144559 D1	20110616	DE20016044559	20010524
DE60150522 D1	20170824	DE20016050522	20010524
DK1284659 T3	20110829	DK20010936771T	20010524
EP1284659 A2	20030226	EP20010936771	20010524
EP1284659 A4	20090916	EP20010936771	20010524
EP1284659 B1	20110504	EP20010936771	20010524
EP2289426 A2	20110302	EP20100180795	20010524
EP2289426 A3	20140423	EP20100180795	20010524
EP2289426 B1	20170719	EP20100180795	20010524
ES2366182 T3	20111018	ES20010936771T	20010524
IL153051 A0	20030624	IL20010153051	20010524
US2003208100 AA	20031106	US20020296161	20021122
US6475135 BA	20021105	US20000577974	20000525
WO0189360 A2	20011129	WO20011L00485	20010524
WO0189360 A3	20020425	WO20011L00485	20010524

Priority:

US20000577974 20000525 EP20010936771 20010524 EP20100180795 20010524
WO20011L00485 20010524

Probable Assignee: COLOPLAST AS

Assignee(s): (std): COLOPLAST AS ; LEVY GIL ; UROGYN LTD

Assignee(s): COLOPLAST A S

Inventor(s): (std): LEVY GIL

Inventor(s): GIL LEVY

Agent(s): OGILVY RENAULT LLP SENCRL SRL

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 GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LT 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)

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Patent	Date recorded	Event group	Code	Event	Details
AT507779 E	20110515	LSGT	+	granted / extensions (spc, cpc, pte)	
AT507779 E	20111115	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT507779 E	20210524	PEXP		Calculated Patent Term Expiry	
AU200162630 A1	20011203	LSPB	+	published / reissued	
AU200162630 A5	20020502	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2) (F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
CA2410365 AA	20021125	LSPB	+	published / reissued	
CA2410365 AA	20070524	LSLE	-FZDE	DEAD	
DE60144559 D1	20110407	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OLDPARTY : UROGYN LTD., TEL AVIV, IL
DE60150522 D1	20181201	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	
DK1284659 T3	20110829	LSGT	+	granted / extensions (spc, cpc, pte)	
DK1284659 T3	20210524	PEXP		Calculated Patent Term Expiry	
EP1284659 A2	20030226	LSPB	+	published / reissued	
EP1284659 A2	20030226	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20021213
EP1284659 A2	20080730	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : COLOPLAST A/S
EP1284659 A2	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160518 YEAR OF FEE PAYMENT : 16
EP1284659 A2	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160429 YEAR OF FEE PAYMENT : 16
EP1284659 A2	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160414 YEAR OF FEE PAYMENT : 16
EP1284659 A2	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160524 YEAR OF FEE PAYMENT : 16
EP1284659 A2	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160407 YEAR OF FEE PAYMENT : 16
EP1284659 A2	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160415 YEAR OF FEE PAYMENT : 16
EP1284659 A4	20090916	LSSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20090814
EP1284659 A4	20100519	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20100419
EP1284659 B1	20110504	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1284659 B1	20110504	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1284659 B1	20110513	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP

EP1284659 B1	20110525	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1284659 B1	20110616	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 60144559 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20110616
EP1284659 B1	20110824	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20110504
EP1284659 B1	20111018	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2366182 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20111018
EP1284659 B1	20111025	LSRV	-LTIE	LT: INVALIDATION OF EUROPEAN PATENT OR PATENT EXTENSION	REF COUNTRY CODE : EP EFFECTIVE DATE : 20110504
EP1284659 B1	20111031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110905
EP1284659 B1	20111031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110504
EP1284659 B1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110504
EP1284659 B1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110504
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EP1284659 B1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110805
EP1284659 B1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY

				EPO]	THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110504
EP1284659 B1	20111230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110504
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EP1284659 B1	20111230	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
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EP1284659 B1	20120131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20110531
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EP1284659 B1	20120411	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20120207
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EP1284659 B1	20130531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20110524
EP1284659 B1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110504
EP1284659 B1	20160415	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 16
EP1284659 B1	20170314	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 17
EP1284659 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170314 YEAR OF FEE PAYMENT : 17
EP1284659 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB

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EP1284659 B1	20170831	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170522 YEAR OF FEE PAYMENT : 17
EP1284659 B1	20170831	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170602 YEAR OF FEE PAYMENT : 17
EP1284659 B1	20180314	LSFE	REG		REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 18
EP1284659 B1	20180430	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180312 YEAR OF FEE PAYMENT : 18
EP1284659 B1	20180430	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20180322 YEAR OF FEE PAYMENT : 18
EP1284659 B1	20180531	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180314 YEAR OF FEE PAYMENT : 18
EP1284659 B1	20180731	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20180601 YEAR OF FEE PAYMENT : 18
EP1284659 B1	20180731	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180508 YEAR OF FEE PAYMENT : 18
EP1284659 B1	20180831	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20180522 YEAR OF FEE PAYMENT : 18
EP1284659 B1	20190430	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20190313 YEAR OF FEE PAYMENT : 19
EP1284659 B1	20190430	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20190311 YEAR OF FEE PAYMENT : 19
EP1284659 B1	20190531	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20190208 YEAR OF FEE PAYMENT : 19
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EP1284659 B1	20190731	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20190514 YEAR OF FEE PAYMENT : 19
EP1284659 B1	20190731	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20190527 YEAR OF FEE PAYMENT : 19
EP1284659 B1	20210524	PEXP			Calculated Patent Term Expiry	

EP2289426 A2	20110302	LSPB	+	published / reissued	
EP2289426 A3	20141203	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20141023
EP2289426 A3	20170222	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20170127
EP2289426 B1	20170719	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2289426 B1	20170719	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2289426 B1	20170731	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2289426 B1	20170809	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2289426 B1	20170815	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 909576 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170815
EP2289426 B1	20170824	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 60150522 COUNTRY OF REF DOCUMENT : DE
EP2289426 B1	20171215	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 909576 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170719
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EP2289426 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL 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
EP2289426 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE 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
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EP2289426 B1	20180420	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 60150522 COUNTRY OF REF DOCUMENT : DE
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EP2289426 B1	20181214	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
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EP2289426 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180524
EP2289426 B1	20190430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180531
EP2289426 B1	20190531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180531
EP2289426 B1	20210524	PEXP		Calculated Patent Term Expiry	
ES2366182 T3	20111018	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2366182 T3	20210524	PEXP		Calculated Patent Term Expiry	
US2003208100 AA	20031106	LSPB	+	published / reissued	
US2003208100 AA	20021122	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UROGYN LTD., ISRAEL OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LEVY, GIL; REEL/FRAME:013834/0159 EFFECTIVE DATE : 20021111
US2003208100 AA	20070108	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US6475135 BA	20021105	LSGT	+	granted / extensions (spc, cpc, pte)	
US6475135 BA	20000525	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UROGYN LTD., ISRAEL OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LEVY, GIL; REEL/FRAME:010847/0364 EFFECTIVE DATE : 20000522
US6475135 BA	20021017	LSGT	PAT1	Patented Case	
US6475135 BA	20021017	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US6475135 BA	20060501	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6475135 BA	20080519	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COLOPLAST A/S, DENMARK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:UROGYN LTD; REEL/FRAME:020951/0990 EFFECTIVE DATE : 20080410
US6475135 BA	20100429	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6475135 BA	20140409	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6475135 BA	20200525	PEXP		Calculated Patent Term Expiry	
WO0189360 A2	20011129	LSPB	+	published / reissued	
WO0189360 A3	20021107	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO0189360 A3	20021122	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10296161 COUNTRY OF REF DOCUMENT :

					US
WO0189360 A3	20021124	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 153051 COUNTRY OF REF DOCUMENT : IL
WO0189360 A3	20021125	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2410365 COUNTRY OF REF DOCUMENT : CA
WO0189360 A3	20021213	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2001936771 COUNTRY OF REF DOCUMENT : EP
WO0189360 A3	20030226	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2001936771 COUNTRY OF REF DOCUMENT : EP
WO0189360 A3	20050404	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP

Title: METALLOPROTEINASE INHIBITORS

Abstract: The present invention provides inhibitors of metalloproteases that may be extracted from lactational secretions such as milk and colostrum. The inhibitors have use in the treatment of a range of diseases such as disorders of the gastrointestinal tract, cardiovascular conditions and wound healing. Methods for purifying the inhibitors are also disclosed.

Classifications:

International (IPC 8-9): A23J1/20 A23L1/20 A23L11/00 A61K35/20 A61K38/00 A61K38/57 A61P1/00 A61P1/04 A61P1/12 A61P17/00 A61P17/02 A61P35/00 A61P43/00 A61P9/04 A61P9/08 A61P9/10 C07K1/14 C07K1/18 C07K1/22 C07K1/34 C07K1/36 C07K14/47 C12N9/99 (Advanced/Invention);

A23L1/20 A61K38/57 (Advanced/Non-invention);

A23J1/00 A23L1/20 A61K35/20 A61K38/00 A61K38/55 A61P1/00 A61P17/00 A61P35/00 A61P43/00 A61P9/00 C07K1/00 C07K14/435 C12N9/99 (Core/Invention)

International (IPC 1-7): A23J1/20 A23L1/20 A61K35/20 A61K38/00 A61K38/54 A61K38/57 A61P1/00 A61P1/04 A61P1/12 A61P17/00 A61P17/02 A61P35/00 A61P43/00 A61P9/04 A61P9/08 A61P9/10 C07K1/14 C07K1/18 C07K1/22 C07K1/34 C07K1/36 C07K14/47 C12N9/99

CPC: A23L11/00 A23J1/20 A61K35/20 A61K38/57

European: A23J1/20 A61K35/20 A61K38/57

US: 514/1.9 514/12 514/13.2 514/15.1 514/16.4 514/17.2 514/18.7 514/18.8 514/20.1 514/20.8 514/3.7 514/3.8 514/4.2

PatBase - US2005250693_A1

Patent Application Publication Nov. 18, 2005 Sheet 1 of 13 US 2005/0250693 A1

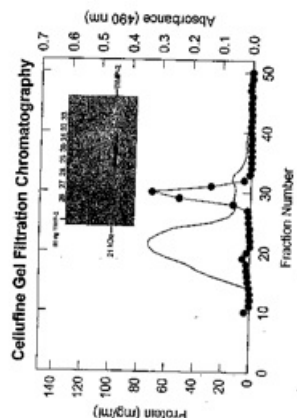


Figure 1a

Family:

Publication number	Publication date	Application number	Application date
AU2002002820 A0	20020627	AU2002PS02820	20020606
AU2003229141 AA	20031222	AU20030229141	20030606
AU2003229141 BB	20070920	AU20030229141	20030606
AU282002 A0	20020627	AU2002PS02820	20020606
CA2487418 AA	20041126	CA20032487418	20030606
EP1531857 A1	20050525	EP20030724671	20030606
EP1531857 A4	20081008	EP20030724671	20030606
JP2005534655 T2	20051117	JP20040510824T	20030606
KR20050024313 A	20050310	KR20047019842	20030606
NZ536612 A	20070126	NZ20030536612	20030606
US2005250693 AA	20051110	US20040999692	20041130
WO03103705 A1	20031218	WO2003AU00714	20030606

Priority:

AU2002PS02820 20020606 AU20030229141 20030606 WO2003AU00714 20030606
KR20047019842 20041206

Probable Assignee: NOVOZYMES INC

Assignee(s): (std): CHONG MATTHEW PAUL CHEN HENG ; GROPE LTD ; GODDARD CHRISTOPHER ; DUNBAR ANDREW JEREMY ; NOVOZYMES BIOPHARMA DK AS

Assignee(s): BY THAT PEPTIDES ; CHILD HEALTH RESEARCH INST ; CHILD HEALTH RESEARCH INST CHRI ; GROPE LIMITED ; NOVOZYMES BIOPHARMA DK A S ; COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISAT ; COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION ; NOVOZYMES BIOPHARMA AU LTD ; NOVOZYMES GROPE LTD ; NOVOZYMES INC

Inventor(s): (std): GODDARD CHRISTOPHER ; DUNBAR ANDREW JEREMY ; CHONG MATTHEW PAUL CHEN HENG ; DUNBAR ANDREW J ; CHONG MATTHEW P C ; CHONG

Inventor(s): DUNBAR ANDREW ; CHONG MATTHEW ; CHRISTOPHER GODDARD ; ANDREW JEREMY DUNBAR ; MATTHEW PAUL CHEN HENG CHONG ; CHONG MATTHEW PC

Agent(s): DAVIES COLLISON CAVE; PHILLIPS ORMONDE FITZPATRICK; DAVIES COLLISON CAVE PTY LTD; SIM AND MCBURNEY; LADAS AND PARRY

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 US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2003229141 AA	20031222	LSPB	+	published / reissued	
AU2003229141 BB	20070920	LSGT	+	granted / extensions (spc, cpc, pte)	

AU2003229141 BB	20080117	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2003229141 BB	20101111	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : NOVOZYMES BIOPHARMA DK A/S OLDPARTY : FORMER OWNER WAS: NOVOZYMES BIOPHARMA AU LIMITED
AU2003229141 BB	20150122	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2003229141 BB	20230606	PEXP		Calculated Patent Term Expiry	
CA2487418 AA	20041126	LSPB	+	published / reissued	
CA2487418 AA	20060607	LSES	+EEER	EXAMINATION REQUEST	
CA2487418 AA	20120606	LSLE	-FZDE	DEAD	
EP1531857 A1	20050525	LSPB	+	published / reissued	
EP1531857 A1	20050525	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20041224
EP1531857 A4	20081008	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20080910
EP1531857 A4	20081203	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : NOVOZYMES BIOPHARMA AU LIMITED
EP1531857 A4	20091223	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20090703
EP1531857 A4	20101229	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : NOVOZYMES BIOPHARMA DK A/S
EP1531857 A4	20130619	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20130103
JP2005534655 T2	20051117	LSPB	+	published / reissued	
JP2005534655 T2	20060214	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20060213
JP2005534655 T2	20090930	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20090929
JP2005534655 T2	20100105	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20100104
JP2005534655 T2	20101122	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20101119
JP2005534655 T2	20110719	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20110715
KR20050024313 A	20050310	LSPB	+	published / reissued	
KR20050024313 A	20080605	LSES	A201	REQUEST FOR EXAMINATION	
KR20050024313 A	20100728	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20050024313 A	20101015	LSRV	-E601	DECISION TO REFUSE APPLICATION	
NZ536612 A	20070126	LSPB	+	published / reissued	
NZ536612 A	20070531	LSGT	+PSEA	PATENT SEALED	

NZ536612 A	20070831	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	
NZ536612 A	20100626	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	
NZ536612 A	20130426	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	TEXT : PATENT RENEWED FOR 3 YEARS UNTIL 06 JUN 2016 BY CPA GLOBAL EFFECTIVE DATE : 20130425
NZ536612 A	20161223	LSLE	-LAPS	PATENT LAPSED	
US2005250693 AA	20051110	LSPB	+	published / reissued	
US2005250693 AA	20050712	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CHILD HEALTH RESEARCH INSTITUTE, AUSTRALIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CHONG, MATTHEW PAUL CHEN HENG; REEL/FRAME:016517/0021 EFFECTIVE DATE : 20031202
US2005250693 AA	20050712	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GROPEP LIMITED, AUSTRALIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GODDARD, CHRIS; REEL/FRAME:016517/0093 EFFECTIVE DATE : 20040325
US2005250693 AA	20051125	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH OR OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:DUNBAR, ANDREW JEREMY; REEL/FRAME:017306/0422 EFFECTIVE DATE : 20040122
US2005250693 AA	20101202	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NOVOZYMES BIOPHARMA DK A/S, DENMARK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:NOVOZYMES BIOPHARMA AU LIMITED; REEL/FRAME:025436/0584 EFFECTIVE DATE : 20100916
US2005250693 AA	20110508	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
WO03103705 A1	20031218	LSPB	+	published / reissued	
WO03103705 A1	20041115	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003229141 COUNTRY OF REF DOCUMENT : AU
WO03103705 A1	20041117	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 536612 COUNTRY OF REF DOCUMENT : NZ
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WO03103705 A1	20041224	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003724671 COUNTRY OF REF DOCUMENT : EP
WO03103705 A1	20050310	LSPB	+WWP	WIPO INFORMATION:	REF DOCUMENT NUMBER : 1020047019842

WO03103705 A1	20050525	LSPB	+WWP	PUBLISHED IN NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : KR
				WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2003724671 COUNTRY OF REF DOCUMENT : EP

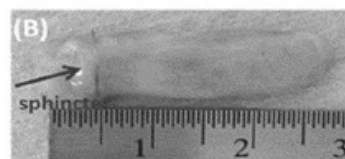
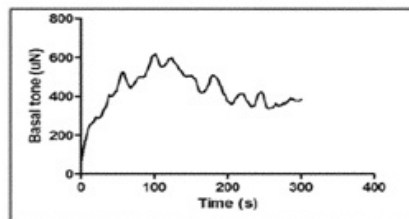
Title: TISSUE-ENGINEERED BOWEL CONSTRUCTS

Abstract: Methods are disclosed for forming tissue engineered, tubular bowel constructs from intestinal circular smooth muscle cells and enteric neural progenitor cells. The intestinal smooth muscle cells and neural progenitor cells can be seeded on a mold with a surface texture that induces longitudinal alignment of the intestinal smooth muscle cells and co-cultured until an innervated aligned smooth muscle sheet is obtained. The innervated smooth muscle sheet can then be wrapped around a tubular scaffold to form an intestinal tissue construct.

Classifications:

International (IPC 8-9): A61F2/00 A61F2/04 A61F2/08 A61K35/34 A61L27/20 A61L27/38 C12N5/07 C12N5/0797 (Advanced/Invention)
CPC: A61K35/34 C12N5/0697 C12N2501/11 C12N2501/115 C12N2502/088 C12N2502/1347 A61F2/0004 A61F2/04 A61F2002/045 A61L27/20 A61L27/3826 A61L27/383 A61L27/3834 A61L27/3873 A61L27/3886 A61L2430/30 A61F2/08
US: 1/1 623/14.13 623/23.64

PatBase - US2018093016_AA



Family:

Publication number	Publication date	Application number	Application date
US2018093016 AA	20180405	US20170808338	20171109
US2019015190 AA	20190117	US20160066492	20161228
WO17117229 A1	20170706	WO2016US68891	20161228

Priority:

US20150273161P 20151230 US20160066492 20161228 WO2016US68891 20161228
 US20170808338 20171109

Probable Assignee: UNIV WAKE FOREST HEALTH SCIENCES

Assignee(s): (std): UNIV WAKE FOREST HEALTH SCIENCES

Assignee(s): WAKE FOREST UNIV HEALTH SCIENCES

Inventor(s): (std): BITAR KHALIL

Agent(s): ENGELLENER THOMAS J

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2018093016 AA	20180405	LSPB	+	published / reissued	
US2018093016 AA	20180124	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : WAKE FOREST UNIVERSITY HEALTH SCIENCES, NORTH CARO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:BITAR, KHALIL; REEL/FRAME:044721/0584 EFFECTIVE DATE : 20180111
US2018093016 AA	20190430	LSES	NFA1	Non Final Action Mailed	
US2018093016 AA	20200206	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2019015190 AA	20190117	LSPB	+	published / reissued	
US2019015190 AA	20180808	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : WAKE FOREST UNIVERSITY HEALTH SCIENCES, NORTH CARO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST;

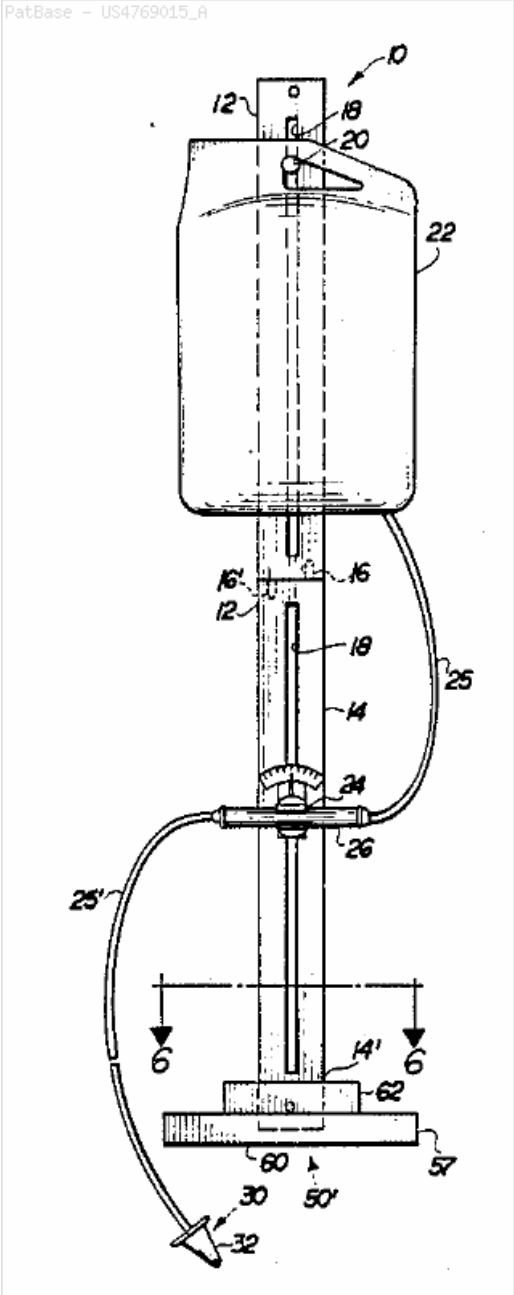
WO17117229 A1	20170706	LSPB	+	published / reissued	
WO17117229 A1	20180703	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO17117229 A1	20190123	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 16882565 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: MOUNTING ASSEMBLY FOR INTESTINAL IRRIGATION APPARATUS

Abstract: A mounting assembly for use in the adjustable supporting of various components of a colonic irrigation or flushing apparatus of the type which directs irrigating fluid, by gravity flow, through a flow monitoring device and therefrom through appropriate conduit to an introduction element which is designed to be inserted in the colon entrance for direct delivery of irrigating fluid thereto. The mounting assembly includes an elongated base having a plurality of connecting elements on which various components, such as the supply container and monitoring device are supported and further, wherein the connecting elements are structured for selective movement and placement thereof along the length of the base so as to properly position the supply container, monitoring device and depending conduit and introduction element in a preferred location relative to one another and the user of the apparatus being treated.

Classifications:

International (IPC 8-9): A61M3/02 (Advanced/Invention);
A61M3/00 (Core/Invention)
International (IPC 1-7): A61M31/00
CPC: A61M3/0208 A61M3/022 A61M3/0266 A61M3/0279
A61M2205/3334
European: A61M3/02E A61M3/02H
US: 248/125 248/125.1 248/159 248/215 604/257 604/27 604/277



Family:

Publication number	Publication date	Application number	Application date
US4769015 A	19880906	US19860858102	19860501

Priority:

US19860858102 19860501

Probable Assignee:

BLOXOM JR INGRID B

Assignee(s): (std):

BLOXOM JR INGRID B

Inventor(s): (std):

BLOXOM JR INGRID B

Legal status (INPADOC)

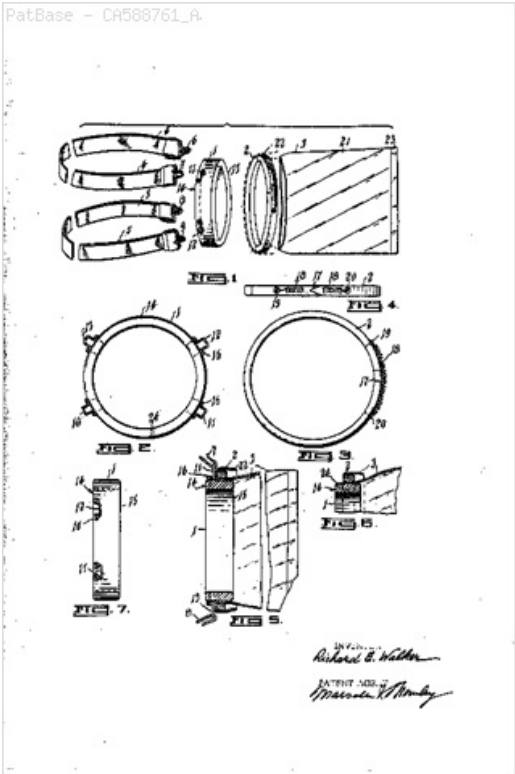
[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
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US4769015 A	19880906	LSGT	+	granted / extensions (spc, cpc, pte)	
US4769015 A	19880705	LSGT	PAT1	Patented Case	
US4769015 A	19920906	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4769015 A	19921110	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19920906
US4769015 A	20180130	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US4769015 A	20180130	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US4769015 A	20060501	PEXP		Calculated Patent Term Expiry	

Title: **COLOSTOMY** DEVICE

Classifications:



Family:

Publication number	Publication date	Application number	Application date
CA588761 A	19591215		00000000

Probable Assignee: WALKER RICHARD E
Assignee(s): (std): WALKER RICHARD E
Assignee(s): RICHARD E WALKER
Inventor(s): (std): WALKER RICHARD E
Inventor(s): RICHARD E WALKER

Legal status (INPADOC)

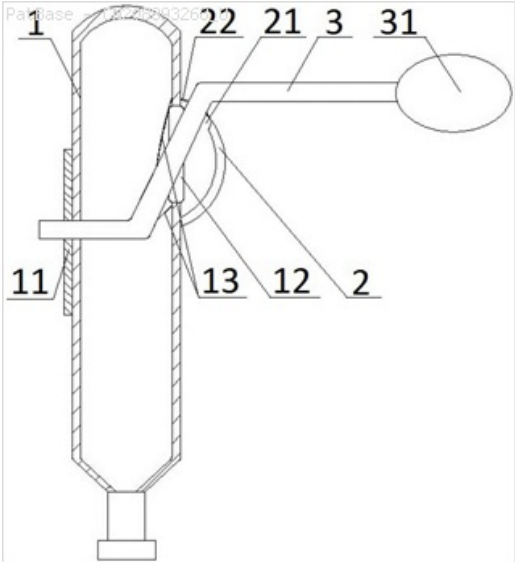
[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
CA588761 A	19591215	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: THE UTILITY MODEL DISCLOSES AN IMPROVED BILIARY TRACT DRAINAGE EXUDATE RECEIVING DEVICE

Abstract: The utility model discloses an improved biliary tract drainage exudate receiving device. The device comprises an **ostomy** bag, a base plate is arranged on one side of the **ostomy** bag, a through pipe opening is formed in the other side of the **ostomy** bag, an outer bag is arranged on the outer side of the through pipe opening, a bag opening is formed in one side of the periphery of the outer bag, and one drainage pipe sequentially passes through the base plate, the through pipe opening and the outer bag. According to the improved biliary drainage exudate receiving device, the tube outlet is formed in the stoma bag, and the drainage tube used for biliary drainage surgery can penetrate through the stoma bag, so that the exudate inlet of the stoma bag can be tightly attached to a surgical wound, exudate leakage is effectively prevented, and the treatment effect is guaranteed.

Classifications:
International (IPC 8-9): A61M1/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208893268 U	20190524	CN201820128078U	20180125

Priority:

CN201820128078U 20180125

Probable Assignee: 2ND AFFILIATED HOSPITAL SOOCHOW UNIV

Assignee(s): (std): 2ND AFFILIATED HOSPITAL SOOCHOW UNIV ; SECOND AFFILIATED HOSPITAL OF SOOCHOW UNIV

Assignee(s): SECOND AFFILIATED HOSPITAL OF SUZHOU UNIV

Inventor(s): (std): FENG YUEZHEN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN208893268 U	20190524	LSGT	+	granted / extensions (spc, cpc, pte)	
CN208893268 U	20190524	LSGT	+GR01	PATENT GRANT	
CN208893268 U	20280125	PEXP		Calculated Patent Term Expiry	

Title: GELATINOUS ARTICLES AND COMPOSITIONS

Abstract: A gelatinous adhesive composition and a tacky article of manufacture are produced by heating at least one polyhydric alcohol and at least one material selected from the group consisting of naturally occurring high molecular weight polysaccharide gums, other than gum Karaya, and resins which are a copolymer of a vinyl ether and a second component selected from maleic anhydride and its corresponding free acid, together in the absence of solvent to promote chemical reaction between the components and to drive off water produced in the reaction, the reaction being carried substantially to completion. In another embodiment, the components are at least one polyhydric alcohol, a resin which is a copolymer of a vinyl ether and a second component selected from maleic anhydride and its corresponding free acid, and a material selected from the group consisting of gelatin and naturally occurring high molecular weight polysaccharide gums.

Classifications:

International (IPC 8-9): A61L15/58 A61L24/04 A61L24/06 A61L24/08 A61L28/00 C08B37/00 C09J105/00

C09J135/08 (Advanced/Invention);

A61L15/16 A61L24/00 A61L28/00 C08B37/00 C09J105/00 C09J135/00 (Core/Invention)

International (IPC 1-7): A61F5/44 A61L15/06 C08B37/00 C08F8/14 C08L35/08 C08L5/00 C09J3/02 C09J3/08 C09J3/14

CPC: C08L2666/02 C08L2666/28 C08B37/00 C09J105/00 A61L15/58 A61L24/043 A61L24/06 A61L24/08 A61L28/0019

A61L2400/14 C09J135/08

European: A61L15/58 A61L24/04M A61L24/04P A61L24/04P+C08L29/10 A61L24/06 A61L24/08 A61L28/00B5 C08B37/00

C09J105/00 C09J135/08 K61L400/14

US: 106/205.72 128/156 523/111 523/121 524/498 524/548 525/194 525/328.9 525/384 525/54.1 525/54.3 536/114 602/56 604/344

Family:

Publication number	Publication date	Application number	Application date
EP0018093 A1	19801029	EP19800300878	19800321
GB2046773 A1	19801119	GB19800009555	19800321
GB2046773 B2	19830803	GB19800009555	19800321
US4359047 A	19821116	US19800131891	19800320

Priority:

GB19790009957 19790321 GB19800009555 19800321 GB19800009555 19800321

Probable Assignee: ADVANCE TAPES UK LTD

Assignee(s): (std): ADVANCE TAPES UK LTD

Assignee(s): ADVANCE TAPES (UK) A CO OF ENGLAND LTD ; ADVANCE TAPES LTD ; ADVANCE TAPES U K LIMITED ; ADVANCE TAPES U K LTD ; ADVANCE TAPES UK A CO OF ENGLAND LTD

Inventor(s): (std): POTACZEK JAN J

Designated states: AT BE CH DE FR IT NL SE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
EP0018093 A1	19801029	LSPB	+	published / reissued	
EP0018093 A1	19810617	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19810404
EP0018093 A1	19860402	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 19851001
GB2046773 A1	19801119	LSPB	+	published / reissued	
GB2046773 B2	19830803	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2046773 B2	19861119	LSLE	-PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	
GB2046773 B2	20000321	PEXP		Calculated Patent Term Expiry	
US4359047 A	19821116	LSGT	+	granted / extensions (spc, cpc, pte)	
US4359047 A	19820524	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ADVANCE TAPES (U.K.) LIMITED, P.O. BOX 122, VANTAG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:POTACZEK, JAN J.; REEL/FRAME:003991/0469 EFFECTIVE DATE : 19801230
US4359047 A	19821116	LSGT	PAT1	Patented Case	
US4359047 A	19821116	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US4359047 A	20000320	PEXP		Calculated Patent	

Title: OSTOMY POUCH WITH NIGHT DRAINAGE ADAPTER

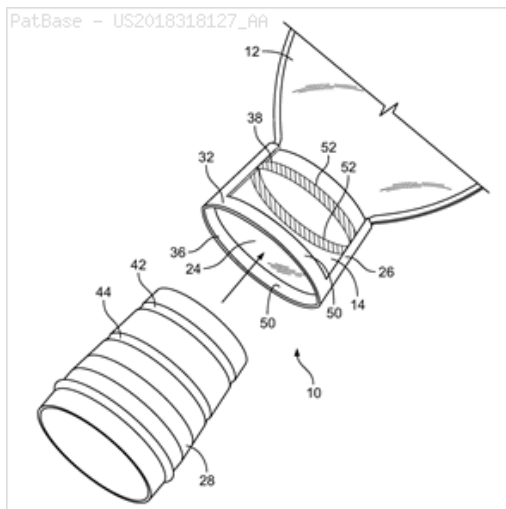
Abstract: An ostomy pouch includes a collection pouch having a first side wall and a second side wall connected to one another along a periphery, the collection pouch having a collection cavity defined between the first and second side walls, an outlet connected to and extending from the collection pouch, the outlet defining an internal passageway connected to the collection cavity, the outlet having a coupling element, and a drainage adapter configured to engage the coupling element so as to be coupled to the outlet. The outlet is foldable to a closed condition to close the collection pouch and unfoldable to an open condition to drain the collection pouch.

Classifications:

International (IPC 8-9): A61F5/44 A61F5/445 (Advanced/Invention)

CPC: A61F5/4404 A61F5/4407 A61F5/445 A61F2005/4486

US: 1/1 604/338



Family:

Publication number	Publication date	Application number	Application date
AU2017213739 AA	20180809	AU20170213739	20170131
CA3013453 AA	20180801	CA20173013453	20170131
EP3410993 A1	20181212	EP20170704638	20170131
JP2019505314 T2	20190228	JP20180540442T	20170131
US2018318127 AA	20181108	US20180033919	20180712
WO17136317 A1	20170810	WO2017US15767	20170131

Priority:

US20160291993P 20160205 WO2017US15767 20170131 US20180033919 20180712

Probable Assignee: HOLLISTER INC

Assignee(s): (std): HOLLISTER INC

Assignee(s): INNOVATION OG DESIGNS APS ; MAACK METTE DYBENDAL ; MOLLER JENSEN PETER ; TORSTENSEN JAN ; NIELSEN KENNETH ; RICHMANN SUSSIE ; WOHLGEMUTH JAN ; SKJODT OLE ; GRUM SCHWENSEN CHRISTEN

Inventor(s): (std): WOHLGEMUTH JAN ; MAACK METTE DYBENDAL ; NIELSEN KENNETH ; SKJODT OLE ; TORSTENSEN JAN ; JENSEN PETER MOLLER ; GRUM SCHWENSEN CHRISTEN ; RICHMANN SUSSIE ; MOLLER JENSEN PETER

Agent(s): PHILLIPS ORMONDE FITZPATRICK; BERESKIN AND PARR LLP SENCRL SRL; HOEIBERG P S; SOGA MICHIHARU; PAE SUN Y ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC 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)

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Patent	Date recorded	Event group	Code	Event	Details
AU2017213739 AA	20180809	LSPB	+	published / reissued	
CA3013453 AA	20180801	LSPB	+	published / reissued	
EP3410993 A1	20181212	LSPB	+	published / reissued	
EP3410993 A1	20181212	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20180823
EP3410993 A1	20191127	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20191028
JP2019505314 T2	20190228	LSPB	+	published / reissued	
JP2019505314 T2	20191209	LSES	+A621	WRITTEN REQUEST FOR	TEXT : JAPANESE INTERMEDIATE CODE: A621

				APPLICATION EXAMINATION	EFFECTIVE DATE : 20191209
US2018318127 AA	20181108	LSPB	+	published / reissued	
US2018318127 AA	20190214	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INNOVATION OG DESIGNS APS, DENMARK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOLLER-JENSEN, PETER; REEL/FRAME:048331/0818 EFFECTIVE DATE : 20160817
US2018318127 AA	20190214	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HOLLISTER INCORPORATED, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:INNOVATION OG DESIGNS APS; REEL/FRAME:048332/0281 EFFECTIVE DATE : 20160818
US2018318127 AA	20190214	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HOLLISTER INCORPORATED, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:NIELSEN, KENNETH; TORSTENSEN, JAN; GRUM- SCHWENSEN, CRISTEN; AND OTHERS; SIGNING DATES FROM 20160413 TO 20160419; REEL/FRAME:048331/0763
US2018318127 AA	20190314	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HOLLISTER INCORPORATED, ILLINOIS OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE THIRD ASSIGNOR'S NAME PREVIOUSLY RECORDED AT REEL: 048331 FRAME: 0763. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT; ASSIGNORS:NIELSEN, KENNETH; TORSTENSEN, JAN; GRUM- SCHWENSEN, CHRISTEN; AND OTHERS; SIGNING DATES FROM 20160413 TO 20160419; REEL/FRAME:048595/0472
WO17136317 A1	20170810	LSPB	+	published / reissued	
WO17136317 A1	20180801	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 3013453 COUNTRY OF REF DOCUMENT : CA
WO17136317 A1	20180801	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 3013453 COUNTRY OF REF DOCUMENT : CA
WO17136317 A1	20180802	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2018540442 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO17136317 A1	20180807	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO17136317 A1	20180809	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017213739 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20170131 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO17136317 A1	20180905	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2017704638 COUNTRY OF REF DOCUMENT : EP
WO17136317 A1	20180921	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017704638 COUNTRY OF REF DOCUMENT : EP EFFECTIVE DATE : 20180905

Title: HEMOSTATIC DEVICES AND METHODS OF USE

Abstract: An anchorage device is provided that is configured to surround an implantable medical device. The anchorage device includes a substrate and a hemostatic agent. The substrate includes a first piece and a second piece that is joined with the first piece. The first piece includes the hemostatic agent and the second piece includes an active pharmaceutical ingredient. Kits, systems and methods are disclosed.

Classifications:

International (IPC 8-9): A61K31/496 A61L31/04 A61L31/10

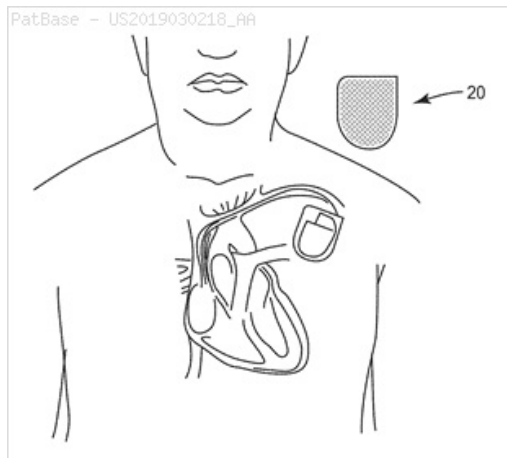
A61L31/14 A61L31/16 A61N1/05 (Advanced/Invention)

CPC: A61K31/496 A61K31/65 A61L31/10 A61B17/0401 A61B17/11

A61L31/042 A61L2300/214 A61L2300/418 A61N1/0575 A61L31/04

A61L31/146 A61L31/148 A61L31/16

US: 1/1 424/423

**Family:**

Publication number	Publication date	Application number	Application date
■ CN109069703 A	20181221	CN201780027035	20170502
■ EP3452126 A1	20190313	EP20170726393	20170502
■ US2019030218 AA	20190131	US20170582935	20170501
■ WO17192486 A1	20171109	WO2017US30504	20170502

Priority:

US20160331193P 20160503 US20170582935 20170501 WO2017US30504 20170502

Probable Assignee: TYRX INC

Assignee(s): (std): TYRX INC

Assignee(s): MEDTRONIC INC

Inventor(s): (std): MANSFIELD FRANKLIN R ; WORRELL KAI R ; SOSKIN JORIE S ; BLANCO JORGE ALBERTO TREVINO ; WOOD CHARLIE ; BUEVICH FATIMA ; PULAPURA SATISH

Agent(s): DEHNS; LENNA LEO G ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC 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)

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Patent	Date recorded	Event group	Code	Event	Details
CN109069703 A	20181221	LSPB	+	published / reissued	
CN109069703 A	20181221	LSPB	PB01	PUBLICATION	
CN109069703 A	20191115	LSAS	TA01	专利申请权的转移 (Transfer of patent application right)	TEXT : 专利申请权、专利权的转移 (TRANSFER OF PATENT APPLICATION OR PATENT RIGHT) APPLICANT AFTER CHANGE : 美敦力公司 (MEDTRONIC) APPLICANT BEFORE CHANGE : 蒂瑞克斯股份有限公司 (THE PEDICLE (MEDAREX) CO., LTD.) EFFECTIVE DATE : 20191028
CN109069703 A	20191115	LSAS	TA01	TRANSFER OF PATENT APPLICATION RIGHT	
EP3452126 A1	20190313	LSPB	+	published / reissued	
EP3452126 A1	20190313	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20181105
US2019030218 AA	20190131	LSPB	+	published / reissued	
US2019030218 AA	20170501	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : TYRX, INC., NEW JERSEY OLDPARTY : ASSIGNMENT OF

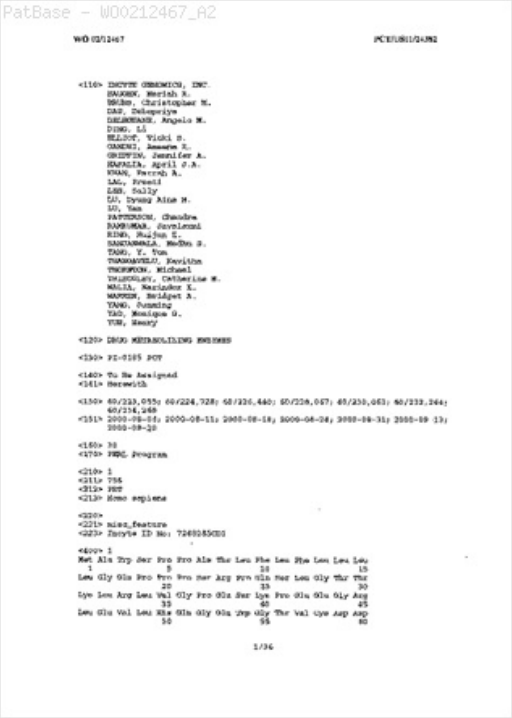
					ASSIGNORS INTEREST; ASSIGNORS:PULAPURA, SATISH; BUEVICH, FATIMA; SOSKIN, JORIE S.; AND OTHERS; SIGNING DATES FROM 20170425 TO 20170427; REEL/FRA:042192/0140
US2019030218 AA	20190225	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2019030218 AA	20190227	LSES	NFA1	Non Final Action Mailed	
US2019030218 AA	20190605	LSES	NFA1	Non Final Action Mailed	
US2019030218 AA	20191009	LSES	ADV1	Advisory Action Mailed	
US2019030218 AA	20200124	LSES	NFA1	Non Final Action Mailed	
US2019030218 AA	20200210	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MEDTRONIC, INC., MINNESOTA OLDPARTY : MERGER AND CHANGE OF NAME; ASSIGNORS:TYRX, INC.; MEDTRONIC, INC.; REEL/FRA:051771/0285 EFFECTIVE DATE : 20200109
WO17192486 A1	20171109	LSPB	+	published / reissued	
WO17192486 A1	20181106	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO17192486 A1	20181207	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017726393 COUNTRY OF REF DOCUMENT : EP EFFECTIVE DATE : 20181203

Title: Drug metabolizing enzymes

Abstract: The invention provides human drug metabolizing enzymes (DME) and polynucleotides which identify and encode DME. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating, or preventing disorders associated with aberrant expression of DME.

Classifications:

International (ipc 8-9): A01K67/027 A61K38/43 A61K38/44 A61K38/45 A61K38/46 A61K38/53 A61K39/395 A61K45/00 A61K49/00 A61K51/00 A61P1/00 A61P1/16 A61P27/02 A61P3/00 A61P35/00 A61P37/00 A61P43/00 A61P5/00 C07K16/40 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/53 C12N15/54 C12N5/10 C12N9/00 C12N9/02 C12N9/04 C12N9/06 C12N9/10 C12N9/14 C12N9/18 C12P21/08 C12Q1/48 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 G01N33/566 G01N33/68 (Advanced/Invention); A61K38/00 A61K48/00 (Advanced/Non-invention); A61K38/43 A61K39/395 A61K45/00 A61K49/00 A61K51/00 A61P1/00 A61P27/00 A61P3/00 A61P35/00 A61P37/00 A61P43/00 A61P5/00 C07K16/40 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/53 C12N15/54 C12N5/10 C12N9/00 C12N9/02 C12N9/10 C12P21/08 C12Q1/48 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 G01N33/566 (Core/Invention); A61K38/00 A61K48/00 (Core/Non-invention)
International (ipc 1-7): A01K67/00 A01K67/027 A61K38/43 A61K38/44 A61K38/45 A61K38/46 A61K38/53 A61K39/395 A61K45/00 A61K49/00 A61K51/00 A61P1/00 A61P1/16 A61P27/02 A61P3/00 A61P35/00 A61P37/00 A61P43/00 A61P5/00 C07H21/04 C07K16/40 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/53 C12N15/54 C12N5/10 C12N9/00 C12N9/02 C12N9/04 C12N9/06 C12N9/10 C12N9/14 C12N9/18 C12P21/08 C12Q1/48 C12Q1/68 C12Q3/15 G01N33/50 G01N33/53 G01N33/566 G01N33/68
CPC: C12N9/00 A61K38/00 A61K48/00
European: C12N9/00 K61K38/00 K61K48/00 M12N203/02 M12N207/00 M12N215/00
US: 435/183 435/252.3 435/320.1 435/325 435/69.1 536/23.2 800/8



Family:

Publication number	Publication date	Application number	Application date
AU2001278154 AA	20020218	AU20010278154	20010803
AU200178154 A1	20020218	AU20010078154	20010803
AU200178154 A5	20020218	AU20010078154	20010803
CA2417769 AA	20030129	CA20012417769	20010803
EP1305425 A2	20030502	EP20010956121	20010803
JP2004518407 T2	20040624	JP20020517758T	20010803
US2004110259 AA	20040610	US20030343593	20030129
WO0212467 A2	20020214	WO2001US24382	20010803
WO0212467 A3	20021227	WO2001US24382	20010803

Priority:

US20000223055P 20000804	US20000223055P 20000804	US20000224728P 20000811
US20000224728P 20000811	US20000226440P 20000818	US20000226440P 20000818
US20000228067P 20000824	US20000228067P 20000824	US20000230063P 20000831
US20000232244P 20000913	US20000232244P 20000913	US20000234269P 20000920
WO2001US24382 20010803	US20030343593 20030129	

Probable Assignee: INCYTE GENOMICS INC

Assignee(s): (std): INCYTE GENOMICS INC ; LI DING ; GRIFFIN JENNIFER A ; HAFALIA APRIL J A ; KHAN FARRAH A ; LAL PREETI G ; LEE SALLY ; LU DYUNG AINA M ; LU YAN ; RAMKUMAR JAYALAXMI ; RING HUIJUN Z ; SANJANWALA MADHUSUDAN M ; ARVIZU CHANDRA S ; BAUGH MARIAH R ; BAUGHN MARIAH R ; BRUNS CHRISTOPHER M ; DAS DEBOPRIYA ; DELEGEANE ANGELO ; ELLIOTT VICKI S ; GANDHI AMEENA R ; CHAWLA NARINDER K ; TANG Y TOM ; THANGAVELU KAVITHA ; THORNTON MICHAEL ; TRIBOULEY CATHERINE M ; WARREN BRIDGET A ; YANG JUNMING ; YAO MONIQUE G ; YUE HENRY

Assignee(s): WALIA NARINDER K ; DELEGEANE ANGELO M ; DING LI ; ELLIOTT VICKI S ; LAL PREETI ; PATTERSON CHANDRA ; SANJANWALA MADHU S

Inventor(s): (std): BAUGHN MARIAH R ; BRUNS CHRISTOPHER M ; DAS DEBOPRIYA ; DELEGEANE ANGELO M ; DING LI ; ELLIOTT VICKI S ; GANDHI AMEENA R ; GRIFFIN JENNIFER A ; HAFALIA APRIL J A ; KHAN FARRAH A ; LAL PREETI ; LEE SALLY ; LU DYUNG AINA M ; LU YAN ; PATTERSON CHANDRA ; RAMKUMAR JAYALAXMI ; RING HUIJUN Z ; SANJANWALA MADHU S ; TANG Y TOM ; THANGAVELU KAVITHA ; THORNTON MICHAEL ; TRIBOULEY CATHERINE M ; WALIA NARINDER K ; WARREN BRIDGET A ; YANG JUNMING ; YAO MONIQUE G ; YUE HENRY ; ARVIZU CHANDRA ; CHAWLA NARINDER K ; SANJANWALA MADHUSUDAN M ; ARVIZU CHANDRA S ; LAL PREETI G ; ELLIOTT VICKI S ; LI DING ; DELEGEANE ANGELO ; BAUGH MARIAH R

Inventor(s): TANG Y ; HAFALIA APRIL J ; JUNMING YANG ; CHANDRA PATTERSON ; HENRY YUE ; ANGELO M DELEGEANE ; NARINDER K WALIA ; HUIJUN Z RING ; CATHERINE M TRIBOULEY ; KAVITHA THANGAVELU ; DEBOPRIYA DAS ; YAN LU ; JAYALAXMI RAMKUMAR ; MADHU S SANJANWALA ; MICHAEL THORNTON ; JENNIFER A GRIFFIN ; CHRISTOPHER M BRUNS ; DYUNG AINA M LU ; MONIQUE G YAO ; FARRAH A KHAN ; MARIAH R BAUGHN ; BRIDGET A WARREN ; Y TOM TANG ; SALLY LEE ; VICKI S ELLIOTT ; PREETI LAL ; APRIL J A HAFALIA ; AMEENA R GANDHI

Agent(s): SMART AND BIGGAR

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 EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU IL IE IN IS IT JP KE KG KP KR KZ LC LI LR LS LT LU LV MA MC MD ME MK ML MN MR MW MX MY NZ NL 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
AU2001278154 AA	20020218	LSPB	+	published / reissued	
AU200178154 A1	20020218	LSPB	+	published / reissued	
CA2417769 AA	20030129	LSPB	+	published / reissued	
CA2417769 AA	20050502	LSLE	-FZDE	DEAD	
EP1305425 A2	20030502	LSPB	+	published / reissued	
EP1305425 A2	20030502	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20030210
EP1305425 A2	20050316	LSWD	-18W	APPLICATION WITHDRAWN	EFFECTIVE DATE : 20050125
JP2004518407 T2	20040624	LSPB	+	published / reissued	
US2004110259 AA	20040610	LSPB	+	published / reissued	
US2004110259 AA	20030129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : INCYTE GENOMICS, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BAUGHN, MARIAH R.; BRUNS, CHRISTOPHER M.; DAS, DEBOPRIYA; AND OTHERS; REEL/FRAME:014018/0789; SIGNING DATES FROM 20021001 TO 20021216
US2004110259 AA	20060710	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
WO0212467 A2	20020214	LSPB	+	published / reissued	
WO0212467 A3	20030129	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2417769 COUNTRY OF REF DOCUMENT : CA
WO0212467 A3	20030129	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10343593 COUNTRY OF REF DOCUMENT : US
WO0212467 A3	20030203	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002517758 COUNTRY OF REF DOCUMENT : JP
WO0212467 A3	20030210	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2001956121 COUNTRY OF REF DOCUMENT : EP
WO0212467 A3	20030502	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2001956121 COUNTRY OF REF DOCUMENT : EP
WO0212467 A3	20050125	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2001956121 COUNTRY OF REF DOCUMENT : EP

Title: **OSTOMY** BAG

Abstract: The invention provides a drainage bag assembly for receiving bodily waste; the drainage bag assembly comprising outer (6) and inner (12) bags secured to one side of a flange (2), the flange (2) being provided with means defining an orifice to enable bodily waste to be received by the inner bag (12), and the flange (2) having connected to an opposite side thereof means for securing the drainage bag assembly to the body of a patient; the outer bag (6) being secured to a first attachment zone (4) on the flange and the inner bag being detachably and replaceably secured to a second attachment zone (16) on the flange, wherein the first attachment zone (4) surrounds the second attachment zone (16) and is non-overlapping therewith; and the second attachment zone (16) surrounds the means defining the orifice; and wherein the outer bag (6) can be replaceably removed or opened to permit access to the interior thereof and removal and replacement of the inner bag (12).

Classifications:

International (IPC 8-9): A61F5/44 A61F5/445

A61F5/448 (Advanced/Invention);

A61F5/44 A61F5/445 (Core/Invention)

CPC: A61F5/448 A61F5/445

European: A61F5/445 A61F5/448

PatBase - WO06077438_A1

WO 2006/077438

PCT/GB2006/000232

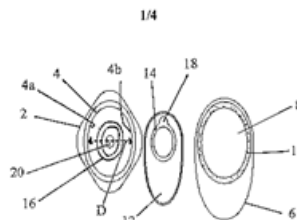


Figure 1

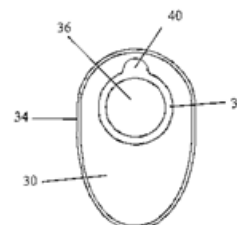


Figure 2

Family:

Publication number	Publication date	Application number	Application date
GB200501400 A0	20050302	GB20050001400	20050124
GB2422312 A1	20060726	GB20050001400	20050124
GB2422312 B2	20091007	GB20050001400	20050124
WO06077438 A1	20060727	WO2006GB00232	20060124

Priority:

GB20050001400 20050124

Probable Assignee: WELLAND MEDICAL LTD

Assignee(s): (std): BIRD PAUL ; FINN RICHARD PATRICK ; SMITH RORY JAMES MAXWELL ; WELLAND MEDICAL LTD

Assignee(s): WELLAND MEDICAL LIMITED

Inventor(s): (std): SMITH RORY JAMES MAXWELL ; FINN RICHARD PATRICK ; BIRD PAUL

Inventor(s): RORY JAMES MAXWELL SMITH ; RICHARD PATRICK FINN ; PAUL BIRD

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 GU 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)

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Patent	Date recorded	Event group	Code	Event	Details
GB2422312 A1	20060726	LSPB	+	published / reissued	
GB2422312 B2	20091007	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2422312 B2	20250124	PEXP		Calculated Patent Term Expiry	
WO06077438 A1	20060727	LSPB	+	published / reissued	
WO06077438 A1	20080227	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 06704115 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED

				STATE(S) :
WO06077438 A1	20080227	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE
				REF DOCUMENT NUMBER : 6704115 COUNTRY OF REF DOCUMENT : EP

Title: Polymer composition containing polyhydroxyalkanoate and metal compound

Abstract: PCT No. PCT/GB93/02280 Sec. 371 Date May 5, 1995 Sec. 102(e) Date May 5, 1995 PCT Filed Nov. 4, 1993 PCT Pub. No. WO94/11440 PCT Pub. Date May 26, 1994 Polymer compositions are provided which comprise a first polyhydroxyalkanoate component and optionally a second polymer component, the composition have enhanced properties by using an inorganic oxygen containing compound in the composition. The inorganic oxygen containing compound may be acting as a transesterification catalyst.

Classifications:

International (IPC 8-9): C08J5/00 C08K3/00 C08K3/22 C08K5/00 C08K5/098 C08L67/00 C08L67/04 (Advanced/Invention); C08J5/00 C08K3/00 C08L67/00 (Advanced/Non-invention); C08J5/00 C08K3/00 C08K5/00 C08L67/00 (Core/Invention)

International (IPC 1-7): C08G63/06 C08J5/00 C08K3/00 C08K5/00 C08L67/04

CPC: C08K3/22 C08K5/0091 C08K5/098 C08L67/04

European: C08K3/22 C08K5/00S C08K5/098 C08L67/04

US: 523/124 525/411 525/415 525/450 525/54.21 528/300 528/354 528/357 528/358 528/361

Family:

Publication number	Publication date	Application number	Application date
AU199454268 A1	19940608	AU19940054268	19931104
AU674361 B2	19961219	AU19940054268	19931104
CA2147857 AA	19950425	CA19932147857	19931104
EP0669959 A1	19950906	EP19930924705	19931104
FI952162 A	19950505	FI19950002162	19950505
FI952162 A0	19950505	FI19950002162	19950505
GB9223351 A0	19921223	GB19920023351	19921106
JP8503500 T2	19960416	JP19940511828T	19931104
NO951766 A	19950505	NO19950001766	19950505
NO951766 A0	19950505	NO19950001766	19950505
NO951766 L	19950505	NO19950001766	19950505
US5646217 A	19970708	US19950433343	19950505
WO9411440 A2	19940526	WO1993GB02280	19931104
WO9411440 A3	19940707	WO1993GB02280	19931104

Priority:

GB19920023351 19921106 WO1993GB02280 19931104

Probable Assignee: METABOLIX INC

Assignee(s): (std): HAMMOND TIMOTHY ; ICI PLC ; ZENECA LTD ; ZENECA LIMITED

Assignee(s): MONSANTO CO ; IMPERIAL CHEMICAL INDUSTRIES PLC ; METABOLIX INC

Inventor(s): (std): HAMMOND TIMOTHY ; TIMOTHY HAMMOND

Agent(s): PHILLIPS ORMONDE FITZPATRICK; SMART AND BIGGAR

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

Legal status (INPADOC)

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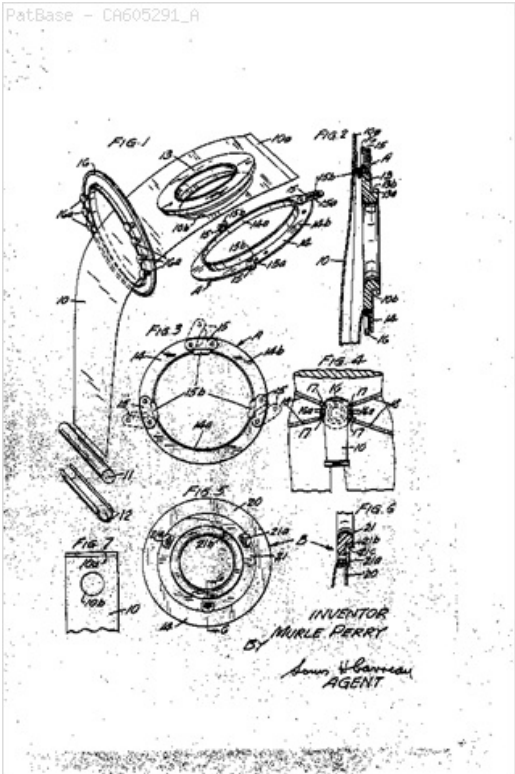
Patent	Date recorded	Event group	Code	Event	Details
AU199454268 A1	19940608	LSPB	+	published / reissued	
AU674361 B2	19961219	LSGT	+	granted / extensions (spc, cpc, pte)	
AU674361 B2	20000608	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU674361 B2	20131104	PEXP		Calculated Patent Term Expiry	
CA2147857 AA	19950425	LSPB	+	published / reissued	
CA2147857 AA	20001106	LSLE	-FZDE	DEAD	
EP0669959 A1	19950906	LSPB	+	published / reissued	
EP0669959 A1	19950906	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19950606
EP0669959 A1	19960403	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19960220
EP0669959 A1	19961227	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : MONSANTO COMPANY
EP0669959 A1	20001115	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20000601
FI952162 A	19950505	LSPB	+	published / reissued	
FI952162 A	19970304	LSAS	GB	TRANSFER OR ASSIGNMENT OF APPLICATION	PARTYTYPE : OWNER OWNER : MONSANTO COMPANY

JP8503500 T2	19960416	LSPB	+	published / reissued	
JP8503500 T2	20040511	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP8503500 T2	20050426	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP8503500 T2	20060509	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP8503500 T2	20070508	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP8503500 T2	20080522	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 8
JP8503500 T2	20080527	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 9
JP8503500 T2	20090507	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 10
JP8503500 T2	20100311	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 10
JP8503500 T2	20100311	LSAS	S533	WRITTEN REQUEST FOR REGISTRATION OF CHANGE OF NAME	TEXT : JAPANESE INTERMEDIATE CODE: R313533
JP8503500 T2	20100319	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 10
JP8503500 T2	20100319	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP8503500 T2	20100520	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 10
JP8503500 T2	20100601	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 11
JP8503500 T2	20110519	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 11
JP8503500 T2	20110621	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 12
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NO951766 A	19950505	LSPB	+	published / reissued	
US5646217 A	19970708	LSGT	+	granted / extensions (spc, cpc, pte)	
US5646217 A	19950505	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ZENECA LIMITED, UNITED KINGDOM OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HAMMOND, TIMOTHY; REEL/FRAME:007590/0728 EFFECTIVE DATE : 19950406
US5646217 A	19970626	LSGT	PAT1	Patented Case	
US5646217 A	19970626	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5646217 A	20010911	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20010708
US5646217 A	20020725	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5646217 A	20021015	LSRE	+PRDP	PATENT REINSTATED DUE TO THE	EFFECTIVE DATE : 20020909

				ACCEPTANCE OF A LATE MAINTENANCE FEE	
US5646217 A	20050302	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5646217 A	20061113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MONSANTO COMPANY, MISSOURI OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ZENECA LIMITED; REEL/FRAME:018505/0770 EFFECTIVE DATE : 19970224
US5646217 A	20061114	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : METABOLIX, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MONSANTO COMPANY; REEL/FRAME:018515/0522 EFFECTIVE DATE : 20010514
US5646217 A	20090108	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5646217 A	20150505	PEXP		Calculated Patent Term Expiry	
WO9411440 A2	19940526	LSPB	+	published / reissued	
WO9411440 A3	19950412	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1993924705 COUNTRY OF REF DOCUMENT : EP
WO9411440 A3	19950425	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2147857 COUNTRY OF REF DOCUMENT : CA
WO9411440 A3	19950505	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 952162 COUNTRY OF REF DOCUMENT : FI
WO9411440 A3	19950505	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 08433343 COUNTRY OF REF DOCUMENT : US
WO9411440 A3	19950906	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1993924705 COUNTRY OF REF DOCUMENT : EP
WO9411440 A3	19950914	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO9411440 A3	20000601	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1993924705 COUNTRY OF REF DOCUMENT : EP

Title: **COLOSTOMY** AND ILEOSTOMY APPLIANCE

Classifications:



Family:

Publication number	Publication date	Application number	Application date
CA605291 A	19600920		00000000

Probable Assignee:	PERRY MURLE
Assignee(s): (std):	PERRY MURLE
Assignee(s):	MURLE PERRY
Inventor(s): (std):	PERRY MURLE
Inventor(s):	MURLE PERRY

Legal status (INPADOC)

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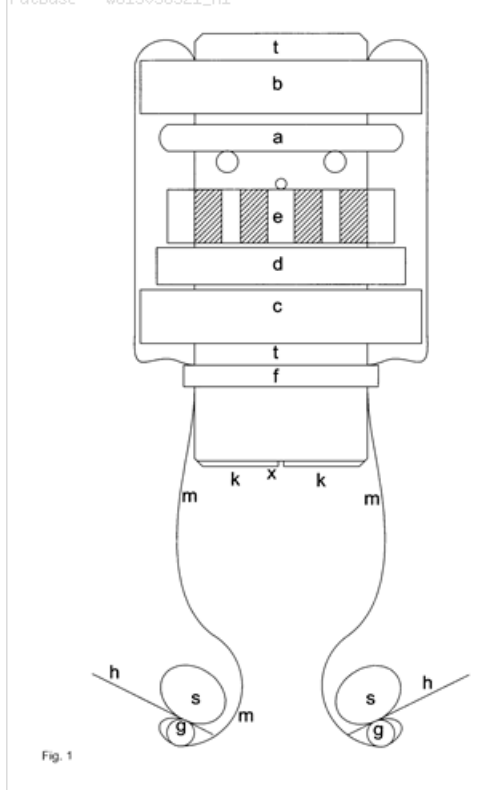
Patent	Date recorded	Event group	Code	Event	Details
CA605291 A	19600920	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: PROSTHESIS FOR THE ODOURLESS TREATMENT OF DISTALLY EXCRETED GAS

Abstract: The invention relates to a prosthesis that can be used to capture and deodorise gases expelled distally from the human digestive tract. The invention comprises at least one tubular part suitable for insertion into the human rectum and including at least one cavity, the main opening therein being turned towards the proximal end of the rectum. The aforementioned cavity can receive gases, faecal matter and secretions from the digestive tract. Said cavity can retain faecal matter and secretions, while allowing gases to pass therethrough towards a deodorisation circuit. The tubular part bears on the walls of the rectum, such as to obstruct the natural gas passage along these walls and to direct said gases towards a deodorisation circuit. The invention comprises a second, ring-shaped part placed outside the body, said ring-shaped part channelling the gases and acting as a bearing point for maintaining the part located inside the rectum in a suitable position. The two parts are connected by a third, tubular flexible part which is involved in the gas capture process. The gases captured in this manner are deodorised by means of physical and chemical absorption and adsorption.

Classifications:**International (IPC 8-9):** A61F2/00 A61F5/00 (Advanced/Invention)**CPC:** A61F5/0093 A61F2/0009

PatBase - WO13056321_A1

**Family:**

Publication number	Publication date	Application number	Application date
EP2768439 A1	20140827	EP20110820790	20111018
WO13056321 A1	20130425	WO2011BE00061	20111018

Priority:

WO2011BE00061 20111018

Probable Assignee: JOUVE ANDRE**Assignee(s):** (std): JOUVE ANDRE**Inventor(s):** (std): JOUVE ANDRE

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)

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Patent	Date recorded	Event group	Code	Event	Details
EP2768439 A1	20140827	LSPB	+	published / reissued	
EP2768439 A1	20140827	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140311
EP2768439 A1	20161012	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20160502
WO13056321 A1	20130425	LSPB	+	published / reissued	
WO13056321 A1	20140308	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011820790 COUNTRY OF REF DOCUMENT : EP

WO13056321 A1 20140422

LSNE

NENP

NON-ENTRY INTO THE
NATIONAL PHASE IN:

REF COUNTRY CODE :
DE

Title: CUSHION CHANGING TYPE COLON **OSTOMY** BAG

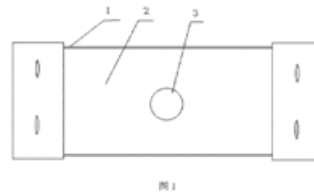
Abstract: The utility model relates to the technical field of medical colon **ostomy** bags and discloses a cushion changing type colon **ostomy** bag. The cushion changing type colon **ostomy** bag comprises a colon **ostomy** bag and a colon ostomy cushion. The colon ostomy cushion is arranged on the inner side of the colon **ostomy** bag. The colon ostomy cushion is in a rectangular structure. A round hole corresponding to a diameter of an ostomy intestinal tract is arranged in the middle of the colon ostomy cushion. By means of the cushion changing type colon **ostomy** bag, the periphery of the ostomy opening can be continually maintained in a drying state, thus the occurrence of eczema can be effectively avoided. The occurrence of the allergy is little. The oppressed symptom of the **ostomy** bag is relieved. Stability of the **ostomy** bag fixing is increased, thus the movable range of the **ostomy** bag is greatly reduced. The cushion changing type colon **ostomy** bag is convenient to carry. The cushion changing type colon **ostomy** bag is changed in time. Partial sanitation can be effectively maintained. The cushion changing type colon **ostomy** bag is beneficial to the nursing of the ostomy opening. The generated psychological burden of a patient is relieved. The cushion changing type colon **ostomy** bag is convenient to disinfect. The colon ostomy cushion can be used one-time. The colon ostomy cushion can be used repeatedly after the colon ostomy cushion is cleaned and disinfected. The economical burden of the patient is effectively relieved.

Classifications:

International (IPC 8-9): A61F5/445 (Advanced/Invention)

PatBase - CN202982347_U

CN 202982347 U 说明书附图 1/3 页



Family:

Publication number	Publication date	Application number	Application date
 CN202982347 U	20130612	CN201220649335U	20121130

Priority:

CN201220649335U 20121130

Probable Assignee: 1ST AFFILIATED HOSPITAL HENAN UNIV SCIENCE AND TECHNOLOGY

Assignee(s): (std): 1ST AFFILIATED HOSPITAL HENAN UNIV SCIENCE AND TECHNOLOGY ; FIRST AFFILIATED HOSPITAL OF HENAN UNIV OF SCIENCE AND TECHNOLOGY

Inventor(s): (std): CHEN XIAOLI ; HAN QINGJIANG ; XIE GANGQIANG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN202982347 U	20130612	LSGT	+	granted / extensions (spc, cpc, pte)	
CN202982347 U	20130612	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN202982347 U	20150114	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN202982347 U	20221130	PEXP		Calculated Patent Term Expiry	

Title: WHEELCHAIR LEG COVERING

Abstract: A leg covering adapted for use with a wheelchair. The present leg covering includes an outer covering having a closed end, an open end, and one or more straps positioned adjacently to the open end such that the covering can be secured to the armrests of a wheelchair once drawn over the user's legs. The leg covering further comprises a liner removably insertable therein, which provides an additional layer of insulating material for especially cold or otherwise inclement weather conditions. The outer covering additionally has a zipper disposed on the front portion thereof to provide other individuals with the ability to access to catheters, [colostomy](#) bags, or other such objects stored beneath the covering in a discrete manner. The liner has a front slit or opening aligned with the outer covering zipper so that it does not act as an impediment to accessing the internal volume of the covering.

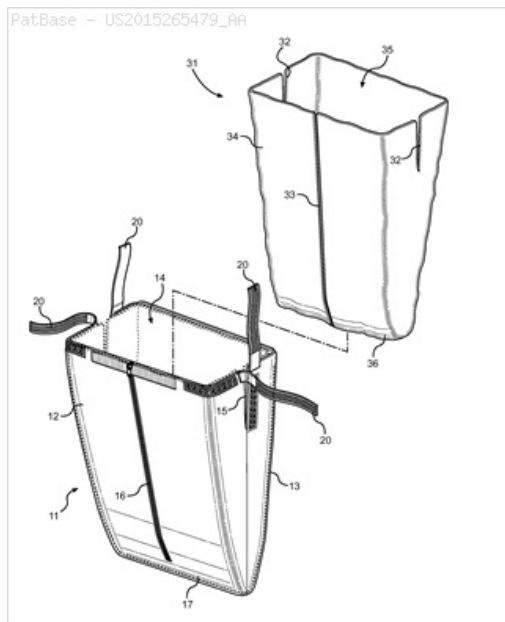
Classifications:

International (IPC 8-9): A47G9/06 A61G5/10

A61G5/12 (Advanced/Invention)

CPC: A61G5/10 A61G5/127 A61G5/128

US: 2/69.5



Family:

Publication number	Publication date	Application number	Application date
CA2874409 AA	20160528	CA20142874409	20141211
CA2874409 C	20190723	CA20142874409	20141211
US2015265479 AA	20150924	US20140555929	20141128
US9629764 BB	20170425	US20140555929	20141128

Priority:

US20130954848P 20130318 US20140954848P 20140318 US20140555929 20141128

Probable Assignee: ROMBOUGH BUNNIE

Assignee(s): (std): ROMBOUGH BUNNIE

Inventor(s): (std): ROMBOUGH BUNNIE

Agent(s): BURNET DUCKWORTH AND PALMER LLP; GLOBAL INTELLECTUAL PROPERTY AGENCY LLC; DANIEL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CA2874409 AA	20160528	LSPB	+	published / reissued	
CA2874409 AA	20171004	LSSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20170928
CA2874409 C	20190723	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2874409 C	20341211	PEXP		Calculated Patent Term Expiry	
US2015265479 AA	20150924	LSPB	+	published / reissued	
US2015265479 AA	20170405	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US9629764 BB	20170425	LSGT	+	granted / extensions (spc, cpc, pte)	
US9629764 BB	20150901	LSSES	NFA1	Non Final Action Mailed	
US9629764 BB	20170405	LSGT	PAT1	Patented Case	
US9629764 BB	20341128	PEXP		Calculated Patent Term Expiry	

Title: COMPOSITIONS AND METHODS FOR USING PLATELET-RICH PLASMA FOR DRUG DISCOVERY, CELL NUCLEAR REPROGRAMMING, PROLIFERATION OR DIFFERENTIATION

Abstract: Methods are described for using compositions containing platelet-rich plasma for the treatment of a variety of tissue lesions, and the use of compositions containing platelet-rich plasma to accelerate or complete the differentiation of a cell line. Particularly, use of platelet-rich plasma in conjunction with cell differentiation.

Classifications:

International (IPC 8-9): C12N15/00 C12N5/074 C12N5/078 C12N5/079 (Advanced/Invention)

CPC: C12N5/0622 C12N5/0696 C12N2502/115 C12N2506/1307 C12N5/0644 C12N2502/11

US: 1/1 435/29 435/347 435/377

PatBase - US2014356893_AA

NO PRP
Anaplastic phenotype
100x/200x

10% PRP
Differentiated phenotype
100x/200x

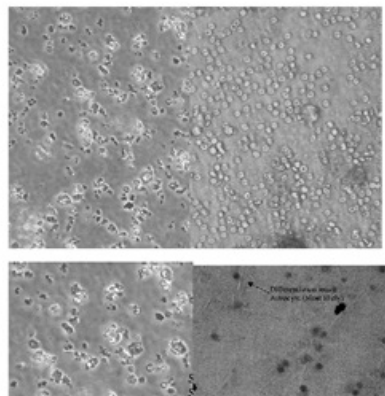


Figure 1

Family:

Publication number	Publication date	Application number	Application date
US2014356893 AA	20141204	US20140292658	20140530
US2017130201 AA	20170511	US20170413931	20170124
US2019390166 AA	20191226	US20190258450	20190125
US10214727 BB	20190226	US20170413931	20170124

Priority:

US20130830754P 20130604 US20140292658 20140530 US20170413931 20170124
US20190258450 20190125

Probable Assignee: MISHRA ALLAN

Assignee(s): (std): MISHRA ALLAN

Inventor(s): (std): MISHRA ALLAN

Agent(s): KNOBBE MARTENS OLSON AND BEAR LLP

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US10214727 BB	20190226	LSGT	+	granted / extensions (spc, cpc, pte)	
US10214727 BB	20190206	LSGT	PAT1	Patented Case	
US10214727 BB	20370618	PEXP		Calculated Patent Term Expiry (PTA 145 days)	
US2014356893 AA	20141204	LSPB	+	published / reissued	
US2014356893 AA	20151218	LSES	NFA1	Non Final Action Mailed	
US2014356893 AA	20170530	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2017130201 AA	20170511	LSPB	+	published / reissued	
US2017130201 AA	20180813	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2017130201 AA	20190117	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2017130201 AA	20190206	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2019390166 AA	20191226	LSPB	+	published / reissued	

Title: DISPOSABLE ARTICLE HAVING A RESPONSIVE SYSTEM INCLUDING A FEEDBACK CONTROL LOOP

Abstract: Disposable articles such as diapers, incontinent briefs, diaper holders and/or inserts, training pants, feminine hygiene garments, tampons, and the like, having a responsive system. The article includes a sensor that detects an input, an actuator that is adapted to perform a responsive function upon the input, and a feedback control loop in which the actuator is adapted to perform the responsive function upon the input when the sensor detects the input.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/42 A61F13/49
A61F13/534 A61F13/82 A61F5/44 A61L15/42 A61L15/56 G01N27/00
G01N33/483 G01N33/487 G01N33/52 G01N33/53 G01N33/543
G01N33/72 G11B11/00 (Advanced/Invention);
G01N33/84 (Advanced/Non-invention)

International (IPC 1-7): A61F13/15 A61F13/42

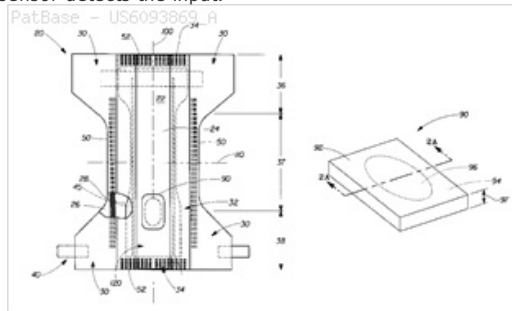
CPC: A61F13/42 A61F13/495 A61F13/82 A61F13/84 A61F2013/8473
A61F2013/8479 A61L15/42 A61L15/56 G01N33/528 G01N33/5308
G01N33/54366 G01N33/725 G01N33/84 G01N2333/59 Y02A50/59

European: A61F13/42 A61F13/495 A61F13/82 A61F13/84

A61L15/42 A61L15/56 G01N33/52D G01N33/53F G01N33/543K

G01N33/72B4 K61F13/84C K61F13/84D1 S01N33/84 S01N33/59

US: 604/358 604/359 604/360 604/361 604/362 604/367 604/378
604/385.01 604/385.101 604/385.12



Family:

Publication number	Publication date	Application number	Application date
AR020598 AA	20020522	AR1999P103154	19990729
CL1999001446 A1	19991214	CL19990001446	19990630
PE07362000 A1	20001020	PE19990000596	19990630
PE20000736 A1	20001020	PE19990000596	19990630
TW410155 B	20001101	TW19990110978	19991201
US6093869 A	20000725	US19980107563	19980629
WO00000150 A1	20000106	WO1999US14882	19990629
ZA200007461 A	20020313	ZA20000007461	20001213

Priority:

US19980107563 19980629

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): ROE DONALD C ; ALLEN PATRICK J ; EHRNSPERGER BRUNO J ; SCHMIDT MATTIAS ; RONN KARL P ; KRUCHININ MIKHAIL K ; LITVIN SIMON S ; KHOMJAKOV OLEG N ; ROE DONALD CARROLL ; ALLEN PATRICK JAY ; EHRNSPERGER BRUNO JOHANNES ; RONN KARL PARICK ; SCHMIDT MATIAS ; RONN KARL PATRICK ; KRUCHININ MIKHAIL ; LITVIN SIMON SOLOMONOVICH ; KHOMJAKOV OLEG NIKOLAEVICH ; AHR NICHOLAS ALBERT ; KOHMJAKOV OLEG NIKOLAEVICH

Inventor(s): ROE D C ALLEN PJ RONN KP EHRNSPERGER BJ SCHMIDT MATIAS KRUCHININ MIKHAIL K LITVIN SIMON S KHOMJAKOV O ; EHRNSPERGER B J ; KHOMJAKOV O ; ROE D ; C ; ALLEN P J ; RONN K P ; NICHOLAS ALBERT AHR ; DONALD CARROLL ROE

Agent(s): HARNECKER

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)

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Patent	Date recorded	Event group	Code	Event	Details
AR020598 AA	20020522	LSPB	+	published / reissued	
AR020598 AA	20050221	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
CL1999001446 A1	19991214	LSPB	+	published / reissued	
PE07362000 A1	20001020	LSPB	+	published / reissued	
PE07362000 A1	20001228	LSWD	-FX	VOLUNTARY WITHDRAWAL	
PE20000736 A1	20001020	LSPB	+	published / reissued	
TW410155 B	20001101	LSGT	+	granted / extensions (spc, cpc, pte)	
TW410155 B	20191201	PEXP		Calculated Patent Term Expiry	
US6093869 A	20000725	LSGT	+	granted / extensions (spc, cpc, pte)	

US6093869 A	19981005	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PROCTER & GAMBLE COMPANY, THE, OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:ROE, DONALD C.; ALLEN, PATRICK J.; EHRNSPERGER, BRUNO J.; AND OTHERS; REEL/FRAME:009504/0603; SIGNING DATES FROM 19980804 TO 19980907	
US6093869 A	20000714	LSGT	PAT1	Patented Case		
US6093869 A	20000714	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE	
US6093869 A	20031223	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US6093869 A	20080104	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8	
US6093869 A	20110923	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12	
US6093869 A	20180629	PEXP		Calculated Patent Term Expiry		
WO0000150 A1	20000106	LSPB	+	published / reissued		
WO0000150 A1	20001130	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2333767 COUNTRY OF REF DOCUMENT : CA	
WO0000150 A1	20001211	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1999932128 COUNTRY OF REF DOCUMENT : EP	
WO0000150 A1	20001220	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : PA/A/2000/012984 COUNTRY OF REF DOCUMENT : MX	
WO0000150 A1	20001225	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2000 556736 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :	
WO0000150 A1	20010418	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1999932128 COUNTRY OF REF DOCUMENT : EP	
WO0000150 A1	20010503	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642	
WO0000150 A1	20030820	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1999932128 COUNTRY OF REF DOCUMENT : EP	
ZA200007461 A	20020313	LSGT	+	granted / extensions (spc, cpc, pte)		
ZA200007461 A	20201212	PEXP		Calculated Patent Term Expiry		

Title: CASTLE-KEY CLIP FOR SECURING CLOSED DIVERTICULA

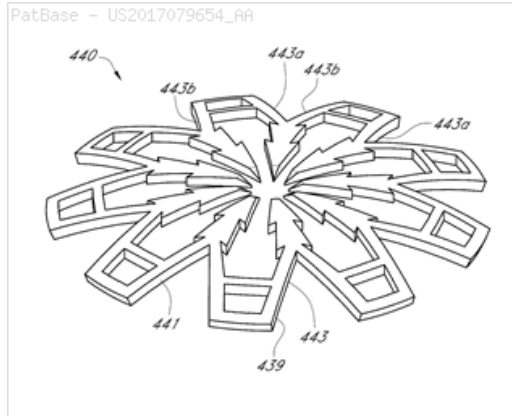
Abstract: Several embodiments disclosed herein relate to apparatus, methods, and systems for treating a diverticulum. In some examples, disclosed is a clip for treating diverticulum. The clip can include a plurality of petals, points, and keys. Each of petals can include a curved portion, a first arm, and a second arm. A portion of the first arm of each petal can be flexibly interconnected to a portion of the second arm of another petal. The points can be formed by an end of the first arm of one of the petals and an end of the second arm of another of the petals. The petals can form a circular configuration. The keys can be attached to the curved portion of each of the petals and each of the keys can interact with a delivery device for maintaining the clip on the delivery device.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/08 A61B17/10 A61B17/221 (Advanced/Invention)

CPC: A61B2017/081 A61B2017/00632 A61B2017/00592 A61B2017/00623 A61B2017/00641 A61B2017/2215 A61B17/068 A61B2017/00668 A61B2017/0641 A61B2017/0645 A61B17/0644 A61B2017/00818 A61B17/0218 A61B17/221

US: 1/1 606/142



Family:

Publication number	Publication date	Application number	Application date
US2017079654 AA	20170323	US20150859096	20150918

Priority:

US20150859096 20150918

Probable Assignee: SPARK MEDTECH DEVELOPMENT LLC

Assignee(s): (std): EMPIRE TECHNOLOGY DEV LLC

Assignee(s): EMPIRE TECHNOLOGY DEVELOPMENT LLC ; SPARK MEDTECH DEVELOPMENT LLC ; CRESTLINE DIRECT FINANCE LP

Inventor(s): (std): MALANOWSKI SAM ; DICKSON TODD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2017079654 AA	20170323	LSPB	+	published / reissued	
US2017079654 AA	20151207	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : EMPIRE TECHNOLOGY DEVELOPMENT, LLC, DELAWARE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SPARK MEDTECH DEVELOPMENT, LLC; REEL/FRAME:037227/0714 EFFECTIVE DATE : 20151009
US2017079654 AA	20151207	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SPARK MEDTECH DEVELOPMENT, LLC, CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MALANOWSKI, SAMUEL JOSEPH; DICKSON, TODD; REEL/FRAME:037235/0594 EFFECTIVE DATE : 20151130
US2017079654 AA	20190129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CRESTLINE DIRECT FINANCE, L.P., TEXAS OLDPARTY : SECURITY INTEREST; ASSIGNOR:EMPIRE TECHNOLOGY DEVELOPMENT LLC; REEL/FRAME:048373/0217 EFFECTIVE DATE : 20181228
US2017079654 AA	20190201	LSES	NFA1	Non Final Action Mailed	
US2017079654 AA	20190814	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	

Title: DEVICE FOR CONNECTING A BAG TO AN OSTOMY APPARATUS

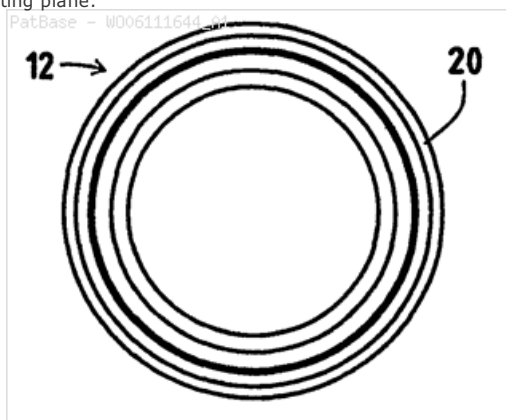
Abstract: The invention concerns a device for connecting an ostomy apparatus comprising a first part, a second part (12) facing the first, a sealing joint (20), and a device for clamping the first part against the second part (12). Said clamping device comprises a fixed element (24) designed to overlap a marginal portion of the second part (12), a mobile element such as arms (26, 28) mobile between an overlapping position and a releasing position, and a member for retaining the arms in overlapping position. The arms (26, 28) and the marginal portion of the two parts have sloping surfaces which cause the arms (26, 28) to apply a force directed perpendicularly to the connecting plane.

Classifications:

International (IPC 8-9): A61F5/44 A61F5/448 (Advanced/Invention); A61F5/44 A61F5/445 (Core/Invention)

CPC: A61F5/448 A61F2005/4486

European: A61F5/448 K61F5/448L



Family:

Publication number	Publication date	Application number	Application date
EP1904007 A1	20080402	EP20060743698	20060414
FR2884707 A1	20061027	FR20050004013	20050421
FR2884707 B1	20071207	FR20050004013	20050421
WO06111644 A1	20061026	WO2006FR00825	20060414

Priority:

FR20050004013 20050421 WO2006FR00825 20060414

Probable Assignee: BRAUN MEDICAL SOC PAR ACTIONS

Assignee(s): (std): HOGARD AURELIEN ; BRAUN MEDICAL SOC PAR ACTIONS ; BRAUN MEDICAL SAS

Assignee(s): BBRAUN MEDICAL SAS ; B BRAUN MEDICAL ; B BRAUN MEDICAL SAS ; B BRAUN MEDICAL SOC PAR ACTIONS SIMPLIFIEE ; B BRAUN MEDICAL SOCIETE PAR ACTIONS SIMPLIFIEE

Inventor(s): (std): HOGARD AURELIEN

Inventor(s): AURELIEN HOGARD

Agent(s): SCHMIT CHRISTIAN NORBERT MARIE ET AL; CABINET SCHMIT CHRETIEN

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)

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Patent	Date recorded	Event group	Code	Event	Details
EP1904007 A1	20080402	LSPB	+	published / reissued	
EP1904007 A1	20080402	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20070919
EP1904007 A1	20090923	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20090825
EP1904007 A1	20100623	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20100105
FR2884707 A1	20061027	LSPB	+	published / reissued	
FR2884707 B1	20071207	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2884707 B1	20160502	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
FR2884707 B1	20170502	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 13
FR2884707 B1	20180502	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 14
FR2884707 B1	20190429	LSFE	PLFP	Fee Payment (FEE PAYMENT)	PAYMENT DATE :

FR2884707 B1	20250421	PEXP		Calculated Patent Term Expiry	
WO06111644 A1	20061026	LSPB	+	published / reissued	
WO06111644 A1	20070919	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2006743698 COUNTRY OF REF DOCUMENT : EP
WO06111644 A1	20071023	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO06111644 A1	20071121	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : RU
WO06111644 A1	20071121	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : RU
WO06111644 A1	20080402	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2006743698 COUNTRY OF REF DOCUMENT : EP

Title: LEG SUPPORTING DEVICE FOR USE BEHIND A HEAD REST FOR AIR AND VEHICULAR TRAVEL

Abstract: A leg supporting device for use behind a head rest for air and vehicular travel has a head rest support portion that fits over a head rest of a forwardly positioned seat and supports a back flap portion that hangs down behind the forwardly positioned seat. A pair of adjustment straps adjustably attach to the back flap portion and supports a foot support portion. A user slips one or both of their feet into the foot support portion and then adjusts the adjustment straps to support their feet at a desired height and position. The foot support portion handles to carry it. In use, the leg supporting device can be folded and placed within the foot support portion and carried using the handles until needed. One embodiment includes pockets for holding drinks, computer, and other carry-on items. A leg massage unit may be built in for additional relief.

Classifications:

International (IPC 8-9): A47C16/00 A47C31/00 A47C7/50

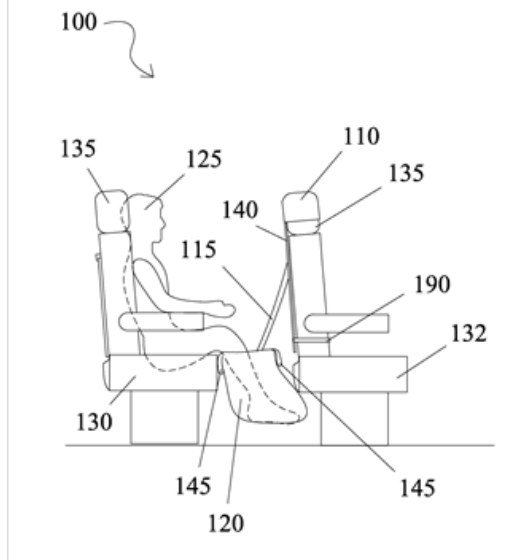
A47C7/72 (Advanced/Invention)

CPC: Y10S297/06 B60N3/06 B60N3/063

European: B60N3/06 B60N3/06B

US: 297/180.1 297/180.100P 297/183.1 297/183.100S 297/423.15 297/423.4 297/423.400S 297/DIG.6

PatBase - US2011089725_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2011089725 AA	20110421	US20100981512	20101230
US7954900 BB	20110607	US20100981512	20101230

Priority:

US20100981512 20101230

Probable Assignee: MARTIN USHA SHANTHA

Assignee(s): (std): MARTIN USHA SHANTHA ; SHANTHA LAUREN ASHA ; SHANTHA TOTADA R

Inventor(s): (std): MARTIN USHA SHANTHA ; SHANTHA LAUREN ASHA ; SHANTHA TOTADA R

Agent(s): PATWRITE LLC; MARK DAVID

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2011089725 AA	20110421	LSPB	+	published / reissued	
US2011089725 AA	20110518	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US7954900 BB	20110607	LSGT	+	granted / extensions (spc, cpc, pte)	
US7954900 BB	20110518	LSGT	PAT1	Patented Case	
US7954900 BB	20150603	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7954900 BB	20190128	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US7954900 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: SMALL ENTITY
US7954900 BB	20190715	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	

US7954900 BB	20190715	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US7954900 BB	20190806	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20190607
US7954900 BB	20301230	PEXP		Calculated Patent Term Expiry	

Title: TISSUE GATHERING BASKET ENHANCEMENTS

Abstract: Several embodiments disclosed herein relate to apparatus and methods for tissue gathering. In some examples, disclosed is a tissue gathering device that includes a basket and a cylindrical shaft. The basket can include a plurality of tines and the cylindrical shaft can include a lumen that is disposed about a portion of the proximal end of the basket. In some examples, the basket can include 4, 6, 7, or 8 tines. The tines of the basket can have a plurality of different configurations.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/08 A61B17/10

A61B17/22 A61B17/221 (Advanced/Invention)

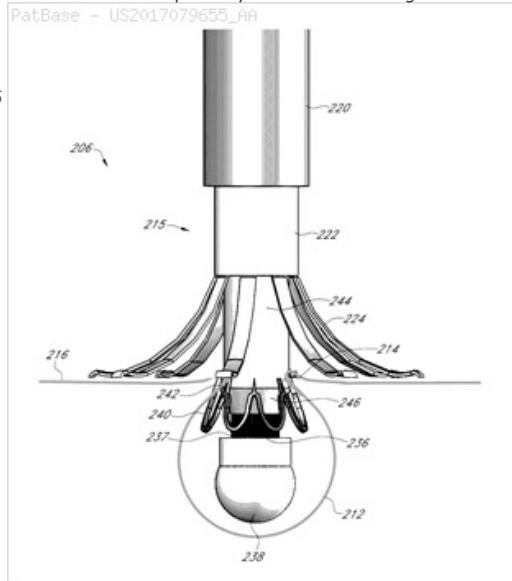
CPC: A61B17/0057 A61B17/22031 A61B2017/081 A61B2017/00818

A61B2017/00641 A61B2017/00632 A61B2017/00862 A61B2017/2215

A61B17/068 A61B2017/00349 A61B2017/00668 A61B2017/0641

A61B2017/0645 A61B17/0644 A61B17/221

US: 1/1 606/142

**Family:**

Publication number	Publication date	Application number	Application date
US2017079655 AA	20170323	US20150858970	20150918

Priority:

US20150858970 20150918

Probable Assignee: SPARK MEDTECH DEVELOPMENT LLC

Assignee(s): (std): EMPIRE TECHNOLOGY DEV LLC

Assignee(s): EMPIRE TECHNOLOGY DEVELOPMENT LLC ; SPARK MEDTECH DEVELOPMENT LLC ; CRESTLINE DIRECT FINANCE LP

Inventor(s): (std): WALTERS WORTH ; DICKSON TODD ; GEORGE ABBY ; MOORE BRIAN ; MALENOWSKI SAM

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2017079655 AA	20170323	LSPB	+	published / reissued	
US2017079655 AA	20151207	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : EMPIRE TECHNOLOGY DEVELOPMENT LLC, DELAWARE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SPARK MEDTECH DEVELOPMENT, LLC; REEL/FRAME:037228/0349 EFFECTIVE DATE : 20151009
US2017079655 AA	20151207	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SPARK MEDTECH DEVELOPMENT, LLC, CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WALTERS, WORTH; DICKSON, TODD; GEORGE, ABBY; AND OTHERS; REEL/FRAME:037232/0460 EFFECTIVE DATE : 20151130
US2017079655 AA	20181218	LSSES	NFA1	Non Final Action Mailed	
US2017079655 AA	20190129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CRESTLINE DIRECT FINANCE, L.P., TEXAS OLDPARTY : SECURITY INTEREST; ASSIGNOR:EMPIRE TECHNOLOGY DEVELOPMENT LLC; REEL/FRAME:048373/0217 EFFECTIVE DATE : 20181228

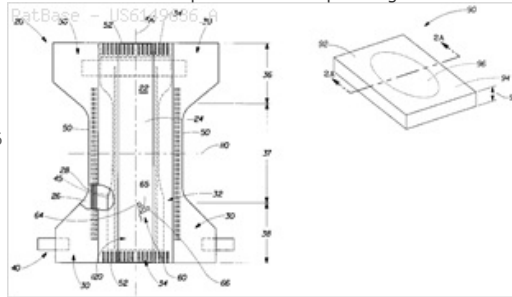
US2017079655 AA	20200118	LSWD	-ABD3	Abandoned - - Failure to Respond to an Office Action
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Title: DISPOSABLE ARTICLE HAVING PROACTIVE SENSORS

Abstract: A disposable article having a sensor that predicts an impending event such as an elimination of bodily waste. The article may also include an actuator that performs a responsive function when the sensor predicts the impending event.

Classifications:

International (IPC 8-9): A61B10/00 A61B5/00 A61B5/0488
A61B5/20 A61B8/00 A61F13/15 A61F13/42 A61F13/82 A61F5/453
A61L15/18 A61L15/20 A61L15/24 A61L15/26 A61L15/56 A61N1/05
G01N33/483 G01N33/487 G01N33/53
G05B11/00 (Advanced/Invention);
A61B10/00 A61B5/0488 A61F13/15 A61F13/42 A61F13/56 A61L15/16
G01N33/483 G01N33/487 G01N33/53 (Core/Invention)
International (IPC 1-7): A61B5/00 A61B5/0488 A61B5/20 A61B8/00
A61F13/15 A61F5/453 A61N1/05
CPC: A61F13/42 A61F13/495 A61F13/82 A61F2013/8473
A61F2013/8479 A61L15/18 A61L15/20 A61L15/24 A61L15/26
A61L15/56 G01N33/5308 Y10S128/905
European: A61F13/42 A61F13/495 A61F13/82 A61L15/18
A61L15/20 A61L15/24 A61L15/26 A61L15/56 G01N33/483
G01N33/487B G01N33/53F K61F13/84C K61F13/84D1
US: 604/358 604/359 604/360 604/361 604/362 604/367 604/378 604/385.01 604/385.101 604/385.12



Family:

Publication number	Publication date	Application number	Application date
CL1999001435 A1	19991214	CL19990001435	19990630
PE07182000 A1	20001014	PE19990000595	19990630
PE20000718 A1	20001014	PE19990000595	19990630
TW413628 B	20001201	TW19990110975	19991201
US6149636 A	20001121	US19980107561	19980629
WO0000083 A1	20000106	WO1999US14794	19990629
ZA200007366 A	20011211	ZA20000007366	20001211
ZA200007464 A	20010906	ZA20000007464	20001213

Priority:

US19980107561 19980629

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): ROE DONALD C ; COLES PETER ; KRUCHININ MIKHAIL K ; LITVIN SIMON S ; KHOMJAKOV OLEG N ; OSBORNE JR THOMAS J ; ROE DONALD CARROLL ; COLES PETER NMN ; KRUCHININ MIKHAIL ; KHOMJAKOV OLEG NIKOLAEVICH ; LITVIN SIMON SOLOMONOVICH ; JOSEPH OSBORNE THOMAS JR ; KHOMIAKOV OLEG ; FEDOSOV YURY ; MUSCAT ANDREAS

Inventor(s): OLEG KHOMIAKOV ; YURY FEDOSOV ; ANDREAS MUSCAT ; DONALD CARROLL ROE ; MIKHAIL KRUCHININ ; OLEG NIKOLAEVICH KHOMJAKOV ; PETER COLES ; SIMON SOLOMONOVICH LITVIN ; OSBORNE THOMAS JOSEPH JR

Agent(s): HARNECKER

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)

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Patent	Date recorded	Event group	Code	Event	Details
CL1999001435 A1	19991214	LSPB	+	published / reissued	
PE07182000 A1	20001014	LSPB	+	published / reissued	
PE07182000 A1	20010112	LSWD	-FX	VOLUNTARY WITHDRAWAL	
PE20000718 A1	20001014	LSPB	+	published / reissued	
TW413628 B	20001201	LSGT	+	granted / extensions (spc, cpc, pte)	
TW413628 B	20191201	PEXP		Calculated Patent Term Expiry	
US6149636 A	20001121	LSGT	+	granted / extensions (spc, cpc, pte)	
US6149636 A	19981005	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PROCTER & GAMBLE COMPANY, THE, OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:ROE, DONALD C.; COLES, PETER; KRUCHININ, MIKHAIL K.; AND

US6149636 A	20001102	LSGT	PAT1	Patented Case	
US6149636 A	20001102	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US6149636 A	20040329	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6149636 A	20060131	LSRE	CC	CERTIFICATE OF CORRECTION	
US6149636 A	20080417	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6149636 A	20120424	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6149636 A	20180629	PEXP		Calculated Patent Term Expiry	
WO0000083 A1	20000106	LSPB	+	published / reissued	
WO0000083 A1	20001219	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2335792 COUNTRY OF REF DOCUMENT : CA
WO0000083 A1	20001220	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2000 556671 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO0000083 A1	20001220	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : PA/A/2000/012976 COUNTRY OF REF DOCUMENT : MX
WO0000083 A1	20001227	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1999930833 COUNTRY OF REF DOCUMENT : EP
WO0000083 A1	20010418	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1999930833 COUNTRY OF REF DOCUMENT : EP
WO0000083 A1	20010503	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
ZA200007366 A	20011211	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA200007366 A	20201210	PEXP		Calculated Patent Term Expiry	
ZA200007464 A	20010906	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA200007464 A	20201212	PEXP		Calculated Patent Term Expiry	

Title: ENDOSCOPIC OVERTUBE

Abstract: An over-tube was developed for receiving and guiding endoscopic instruments into a patient's anus, through the colon, and into the peritoneum. The over-tube has a flexible sheath adapted for insertion into the anus through the colon and out the peritoneum of a patient. A stiffened region is used to protect the colonic wall from injury during insertion of medical instruments through the patient's lower gastrointestinal tract. The proximal end of the over-tube is surrounded by two narrow inflatable balloons on either side of the colotomy to keep the device in place with its lumen open into the peritoneum and further prevent leakage of insufflation. The device may comprise two channels, one for dual channel endoscopes and larger medical instruments or single lumen endoscopes, and an additional channel for surgical instruments. A distal valve prevents insufflation leakage, making the device especially useful in NOTES surgeries.

Classifications:

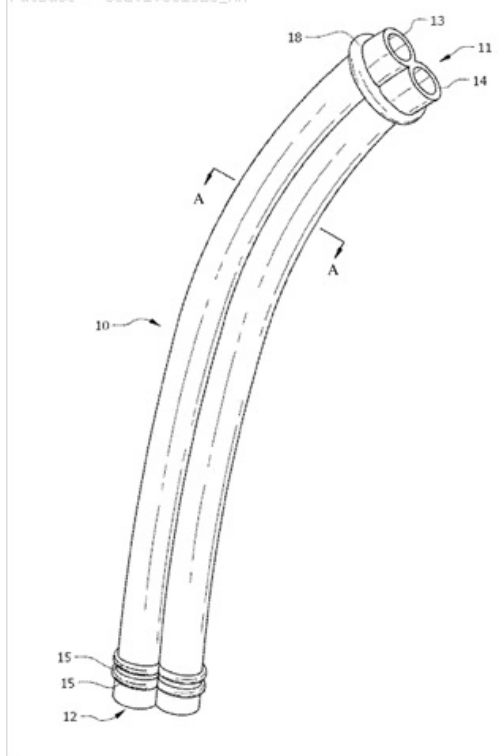
International (IPC 8-9): A61B1/00 A61B1/005 A61B1/012 A61B1/04 A61B1/06 A61B1/31 (Advanced/Invention); A61B1/012 A61B1/31 (Core/Invention)

CPC: A61B1/00082 A61B1/00078 A61B1/00137 A61B1/00154 A61B1/005 A61B1/012 A61B1/31

European: A61B1/01 A61B1/012 A61B1/31

US: 600/116 600/116P 600/139 600/139S

PatBase - US2010331625_AA



Family:

Publication number	Publication date	Application number	Application date
US2010331625 AA	20101230	US20100840402	20100721
US10076229 BB	20180918	US20100840402	20100721
WO09094434 A2	20090730	WO2009US31674	20090122
WO09094434 A3	20091008	WO2009US31674	20090122

Priority:

US20080022655P 20080122 WO2009US31674 20090122 US20100840402 20100721

Probable Assignee: UNIV SOUTH FLORIDA

Assignee(s): (std): ROSEMURGY ALEXANDER S ; ROSS SHARONA B ; UNIV SOUTH FLORIDA

Assignee(s): UNIVERSITY OF SOUTH FLORIDA ; OF SOUTH FLORIDA UNIV

Inventor(s): (std): ROSEMURGY ALEXANDER S ; ROSS SHARONA B

Agent(s): SMITH HOPEN PA; PFEIFER NICHOLAS; SMITH AND HOPEN PA; TONER THOMAS E

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 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)

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Patent	Date recorded	Event group	Code	Event	Details
US10076229 BB	20180918	LSGT	+	granted / extensions (spc, cpc, pte)	
US10076229 BB	20100831	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNIVERSITY OF SOUTH FLORIDA, FLORIDA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:ROSEMURGY, ALEXANDER S.; ROSS, SHARONA B.; REEL/FRAME:024916/0826 EFFECTIVE DATE : 20100803

US10076229 BB	20180829	LSGT	PAT1	Patented Case	
US10076229 BB	20311126	PEXP		Calculated Patent Term Expiry (PTA 493 days)	
US2010331625 AA	20101230	LSPB	+	published / reissued	
US2010331625 AA	20151006	LSES	NFA1	Non Final Action Mailed	
US2010331625 AA	20171226	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2010331625 AA	20180102	LSES	NFA1	Non Final Action Mailed	
US2010331625 AA	20180607	LSES	+ALW2	Allowed -- Notice of Allowance Not Yet Mailed	
US2010331625 AA	20180617	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2010331625 AA	20180621	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2010331625 AA	20180814	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2010331625 AA	20180829	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
WO09094434 A2	20090730	LSPB	+	published / reissued	
WO09094434 A3	20100723	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO09094434 A3	20110223	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 09703356 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :

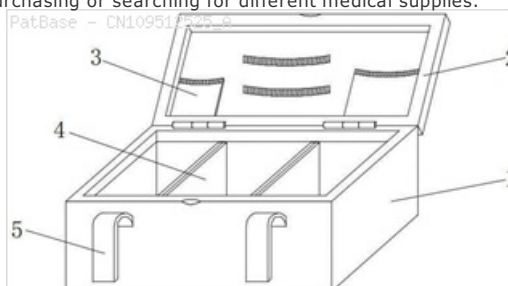
Title: MEDICAL KIT FOR ENTEROSTOMY COMBINED ABDOMINAL WALL WOUNDS AND USE METHOD THEREOF

Abstract: The invention relates to the field of medical instruments, in particular to a medical kit. The medical kit for enterostomy combined abdominal wall wounds includes a medical kit, the medical kit includes a box, the box is internally equipped with an iodophor liquid bottle, a gauze strip, a laminate film, a double-cannula, a leak-proof paste and an **ostomy** bag. Through the design, the invention provides the medical kit for enterostomy combined abdominal wall wounds, the medical kit is directed at the treatment of enterostomy combined abdominal wall wounds, is convenient for the medical staff to use, improves the treatment efficiency, and reduces the time of purchasing or searching for different medical supplies.

Classifications:

International (IPC 8-9): A61B50/31 (Advanced/Invention)

CPC: A61B50/31 A61B50/312 A61B2050/3008 A61B2050/311



Family:

Publication number	Publication date	Application number	Application date
 CN109512525 A	20190326	CN201910018506	20190108

Priority:

CN201910018506 20190108

Probable Assignee:

XIE BING RONG

Assignee(s): (std):

XIE RONGBING

Assignee(s):

XIE BING RONG

Inventor(s): (std):

XIE RONGBING

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN109512525 A	20190326	LSPB	+	published / reissued	
CN109512525 A	20190326	LSPB	PB01	PUBLICATION	

Title: INSITU SWAPPABLE CLIP DELIVERY CARTRIDGE

Abstract: Several embodiments disclosed herein relate to apparatus and methods for treating a diverticulum. In some examples, disclosed is a clip placement device for diverticulum inversion. The clip placement device can include a tubular body, a clip attachment structure, and a pusher structure. In some examples, the clip attachment structure has a distal end that is attachable to a clip and wherein the clip attachment structure is configured to engage with the distal end of the tubular body. In some examples, the pusher structure is configured to removeably connect to the clip attachment structure.

Classifications:

International (IPC 8-9): A61B17/08 A61B17/10 (Advanced/Invention)

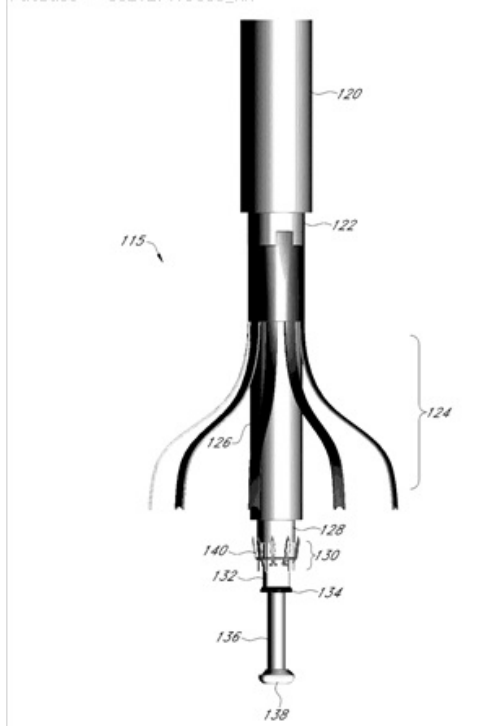
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A61B2017/0053 A61B2017/00818 A61B2017/0641 A61B2017/0645

A61B2017/081 A61B2017/2215 A61B2017/2916 A61B2017/2923

US: 1/1 606/143

PatBase - US2017079658_AA



Family:

Publication number	Publication date	Application number	Application date
US2017079658 AA	20170323	US20150858947	20150918

Priority:

US20150858947 20150918

Probable Assignee: EMPIRE TECHNOLOGY DEVELOPMENT LLC

Assignee(s): (std): EMPIRE TECHNOLOGY DEV LLC

Assignee(s): EMPIRE TECHNOLOGY DEVELOPMENT LLC ; SPARK MEDTECH DEVELOPMENT LLC ; CRESTLINE DIRECT FINANCE LP

Inventor(s): (std): WALTERS WORTH

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
US2017079658 AA	20170323	LSPB	+	published / reissued	
US2017079658 AA	20151228	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : EMPIRE TECHNOLOGY DEVELOPMENT LLC, DELAWARE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SPARK MEDTECH DEVELOPMENT, LLC; REEL/FRAME:037366/0189 EFFECTIVE DATE : 20151218
US2017079658 AA	20151228	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SPARK MEDTECH DEVELOPMENT, LLC, CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WALTERS, WORTH; REEL/FRAME:037393/0984 EFFECTIVE DATE : 20151130
US2017079658 AA	20180721	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	

US2017079658 AA	20180724	LSES	NFA1	Non Final Action Mailed	
US2017079658 AA	20190129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CRESTLINE DIRECT FINANCE, L.P., TEXAS OLDPARTY : SECURITY INTEREST; ASSIGNOR:EMPIRE TECHNOLOGY DEVELOPMENT LLC; REEL/FRAME:048373/0217 EFFECTIVE DATE : 20181228
US2017079658 AA	20190828	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	

Title: **OSTOMY** BAG SHEET MATERIAL

Abstract: An **ostomy** bag is made of sheet material impermeable to those liquids in which water is the major liquid constituent. The sheet material is a chalk filled polymer sheet. The sheet is such a to allow gas to escape from within the bag over its whole surface area. Moreover it carries substantially evenly distributed over it such as present in a gas porous paper or fibrous material laminated to the polymer or within it an odour removing agent or an odour-masking or modifying agent. Chalk-filled polyethylene sheet is preferred.

Classifications:

International (IPC 8-9): A61F5/441 A61L28/00 B32B27/20 (Advanced/Invention);

A61F5/441 A61L28/00 B32B27/20 (Core/Invention)

International (IPC 1-7): A61F5/441 B32B1/02

CPC: B32B27/10 B32B27/12 B32B27/18 B32B27/32 B32B2307/7248 B32B2307/7265 B32B2323/04 B32B2439/80 A61F5/441 A61L28/0092 B32B27/20

European: A61F5/441 A61L28/00R4K B32B27/20

Family:

Publication number	Publication date	Application number	Application date
GB2194917 A1	19880323	GB19860022059	19860912
GB8622059 A0	19861022	GB19860022059	19860912

Priority:

GB19860022059 19860912

Probable Assignee: CRAIG MED PROD LTD

Assignee(s): (std): CRAIG MED PROD LTD

Assignee(s): CRAIG MEDICAL PRODUCTS LIMITED ; CRAIG MEDICAL PRODUCTS LTD

Inventor(s): (std): STEER PETER LESLIE ; WHITING GERALD T

Inventor(s): PETER LESLIE STEER ; GERALD T WHITING

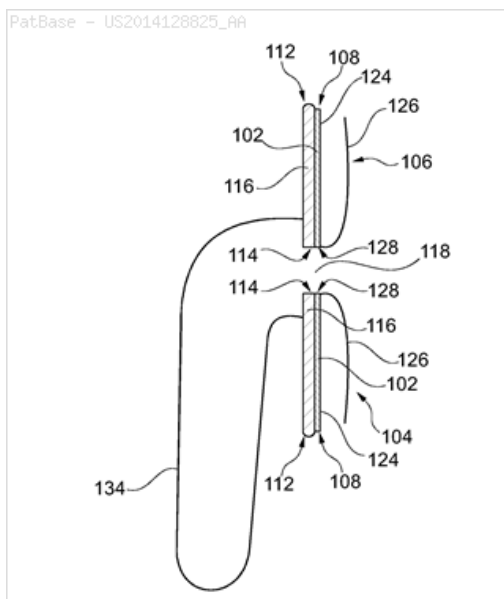
Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB2194917 A1	19880323	LSPB	+	published / reissued	
GB2194917 A1	19890215	LSWD	-WAP	APPLICATION WITHDRAWN, TAKEN TO BE WITHDRAWN OR REFUSED ** AFTER PUBLICATION UNDER SECTION 16(1)	

Title: OSTOMY APPLIANCE

Abstract: An ostomy appliance for attachment to a stoma, comprising an adhesive wafer (100) a first part of which is covered by a first release liner (104) and a second part of which is covered by a second release liner (106). At least one of the two release liners defines an attached part which in an initial state is attached to the skin facing adhesive layer (102), and a foldable part which in a folded state is folded such that it covers at least a part of the attached part and such that it is not in direct contact with the skin facing adhesive layer. A cutting guide (120) is printed onto the at least a part of the attached part and the foldable part.

Classifications:**International (IPC 8-9):** A61F5/443 A61F5/449 (Advanced/Invention)**CPC:** A61F5/443 A61F5/449**European:** A61F5/443**US:** 604/344**Family:**

Publication number	Publication date	Application number	Application date
AU2012278327 AA	20130103	AU20120278327	20120628
AU2012278327 AA	20131219	AU20120278327	20120628
AU2012278327 BB	20160714	AU20120278327	20120628
BR112013030912 A2	20180424	BR20131130912	20120628
CA2835250 AA	20131106	CA20122835250	20120628
CN103561695 A	20140205	CN201280026671	20120628
CN103561695 B	20150930	CN201280026671	20120628
DE602012009590 D1	20150924	DE201260009590T	20120628
EP2726030 A1	20140507	EP20120732777	20120628
EP2726030 B1	20150812	EP20120732777	20120628
IN09592DN2013 A	20141219	IN2013DN09592	20131107
JP2014518109 T2	20140728	JP20140517463T	20120628
JP6050344 B2	20161221	JP20140517463T	20120628
RU2014102768 A	20150810	RU20140102768	20120628
RU2598804 C2	20160927	RU20140102768	20120628
US2014128825 AA	20140508	US20120127495	20120628
WO13000472 A1	20130103	WO2012DK50217	20120628

Priority:

DK20110070347 20110630 EP20120732777 20120628 WO2012DK50217 20120628

Probable Assignee: COLOPLAST AS**Assignee(s):** (std): COLOPLAST AS ; KLEIN CHARLOTTE ; KOLOPLAST AS ; STROEBECH ESBEN ; STROEBECH ESBEN**Assignee(s):** KOLPLAST A S ; COLOPLAST A S**Inventor(s):** (std): KLEIN CHARLOTTE ; STROEBECH ESBEN ; ESBEN STROEBECH ; CHARLOTTE KLEIN ; STROBEK ESBEN ; KLEJN SHARLOTT ; STROEBECH ESBEN**Agent(s):** FB RICE; FB RICE PTY LTD; RIDOUT AND MAYBEE LLP; AOKI ATSUSHI; SHIMADA TETSURO

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)

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Patent	Date recorded	Event group	Code	Event	Details
AU2012278327 AA	20130103	LSPB	+	published / reissued	
AU2012278327 AA	20131219	LSPB	+	published / reissued	
AU2012278327 BB	20160714	LSGT	+	granted /	

AU2012278327 BB	20161110	LSGT	+FGA	extensions (spc, cpc, pte) LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2012278327 BB	20320628	PEXP		Calculated Patent Term Expiry	
CA2835250 AA	20131106	LSPB	+	published / reissued	
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CN103561695 A	20140205	LSPB	+	published / reissued	
CN103561695 A	20140205	LSPB	+C06	PUBLICATION	
CN103561695 B	20150930	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103561695 B	20150930	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103561695 B	20320628	PEXP		Calculated Patent Term Expiry	
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EP2726030 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160622 YEAR OF FEE PAYMENT : 5
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EP2726030 B1	20150814	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
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EP2726030 B1	20150924	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602012009590 COUNTRY OF REF DOCUMENT : DE
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EP2726030 B1	20160115	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER :

741452
COUNTRY OF REF DOCUMENT :
AT
KIND CODE OF REF DOCUMENT :
T
DESIGNATED STATE(S) :
EFFECTIVE DATE : 20150812

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EP2726030 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20151112
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EP2726030 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20151214
EP2726030 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150812
EP2726030 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150812
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EP2726030 B1	20160420	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 5
EP2726030 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150812
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EP2726030 B1	20160513	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602012009590 COUNTRY OF REF DOCUMENT : DE
EP2726030 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150812
EP2726030 B1	20160720	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20160513
EP2726030 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150812
EP2726030 B1	20161230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150812
EP2726030 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150812
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EP2726030 B1	20170418	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 6
EP2726030 B1	20170428	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160630
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EP2726030 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID	COUNTRY OF REF DOCUMENT :

				TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	FR PAYMENT DATE : 20170418 YEAR OF FEE PAYMENT : 6
EP2726030 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170621 YEAR OF FEE PAYMENT : 6
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EP2726030 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20190410 YEAR OF FEE PAYMENT : 8
EP2726030 B1	20320628	PEXP		Calculated Patent Term Expiry	
IN09592DN2013 A	20141219	LSPB	+	published / reissued	
JP2014518109 T2	20140728	LSPB	+	published / reissued	
JP2014518109 T2	20150624	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150624
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JP2014518109 T2	20160601	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160601
JP2014518109 T2	20161017	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2014518109 T2	20161025	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20161025
JP2014518109 T2	20161201	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20161124
JP2014518109 T2	20161202	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6050344 COUNTRY OF REF DOCUMENT : JP
JP6050344 B2	20161221	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6050344 B2	20161027	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6050344 B2	20161129	LSFE	R100	特許料納付書 (Patent fee payment form)	

JP6050344 B2	20161202	LSGT	+R150	特許証 (Patent certificate)	
JP6050344 B2	20191121	LSFE	R20	特許料納付書 (Patent fee payment form)	EFFECTIVE DATE : 20191120
JP6050344 B2	20191126	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP6050344 B2	20320628	PEXP		Calculated Patent Term Expiry	
RU2014102768 A	20150810	LSPB	+	published / reissued	
RU2598804 C2	20160927	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2598804 C2	20320628	PEXP		Calculated Patent Term Expiry	
US2014128825 AA	20140508	LSPB	+	published / reissued	
US2014128825 AA	20140506	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COLOPLAST A/S, DENMARK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:KLEIN, CHARLOTTE; STROEBECH, ESBEN; REEL/FRA:032825/0656 EFFECTIVE DATE : 20130814
US2014128825 AA	20151113	LSES	NFA1	Non Final Action Mailed	
US2014128825 AA	20161123	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
WO13000472 A1	20130103	LSPB	+	published / reissued	
WO13000472 A1	20130920	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2012732777 COUNTRY OF REF DOCUMENT : EP
WO13000472 A1	20131106	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2835250 COUNTRY OF REF DOCUMENT : CA
WO13000472 A1	20131113	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2014517463 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO13000472 A1	20131219	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2012278327 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20120628 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO13000472 A1	20131219	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14127495 COUNTRY OF REF DOCUMENT : US
WO13000472 A1	20140130	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2014102768 COUNTRY OF REF DOCUMENT : RU KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO13000472 A1	20180424	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 112013030912 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20131129

AU708307 B2	19990729	LSGT	+	granted / extensions (spc, cpc, pte)	
AU708307 B2	20150927	PEXP		Calculated Patent Term Expiry	
CA2201129 AA	19970326	LSPB	+	published / reissued	
CA2201129 AA	20020903	LSES	+EEER	EXAMINATION REQUEST	
CA2201129 AA	20060126	LSLE	-FZDE	DEAD	
DE69534102 D1	20060511	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69534102 T2	20060323	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69534102 T2	20150927	PEXP		Calculated Patent Term Expiry	
EP0783337 A1	19970716	LSPB	+	published / reissued	
EP0783337 A1	19970716	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19970321
EP0783337 A4	19981202	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 19981014
EP0783337 A4	20010509	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20010327
EP0783337 A4	20020306	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : ARADIGM CORPORATION
EP0783337 B1	20050323	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0783337 B1	20050323	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050323
EP0783337 B1	20050323	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050323
EP0783337 B1	20050323	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050323
EP0783337 B1	20050323	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP0783337 B1	20050331	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP0783337 B1	20050704	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050704
EP0783337 B1	20050930	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0783337 B1	20060315	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20051227
EP0783337 B1	20091130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20090923 YEAR OF FEE PAYMENT : 15

EP0783337 B1	20100129	LSFE	+PGFP	[ANNOUNCED FROM NATIONAL OFFICE TO EPO] ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20090923 YEAR OF FEE PAYMENT : 15
EP0783337 B1	20100430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20091012 YEAR OF FEE PAYMENT : 15
EP0783337 B1	20110525	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20100927
EP0783337 B1	20110624	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20110531
EP0783337 B1	20110721	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 69534102 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20110401
EP0783337 B1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100930
EP0783337 B1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20110401
EP0783337 B1	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100927
EP0783337 B1	20150927	PEXP		Calculated Patent Term Expiry	
EP1181944 A2	20020227	LSPB	+	published / reissued	
EP1181944 A3	20040728	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20040601
EP1181944 A3	20040901	LSFE	+AKX	DESIGNATION FEES PAID	COUNTRY OF REF DOCUMENT : DE COUNTRY OF REF DOCUMENT : FR COUNTRY OF REF DOCUMENT : GB
EP1181944 A3	20040929	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20040812
EP1181944 A3	20050629	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20041223
JP10506037 T2	19980616	LSPB	+	published / reissued	
JP10506037 T2	20040708	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20040618
JP10506037 T2	20040727	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP10506037 T2	20040803	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20040803
JP10506037 T2	20040805	LSAS	A72	NOTIFICATION OF	TEXT : JAPANESE INTERMEDIATE

				CHANGE IN NAME OF APPLICANT	CODE: A721 EFFECTIVE DATE : 20040716
JP10506037 T2	20040909	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20040901
JP10506037 T2	20040917	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2004290688 A2	20041021	LSPB	+	published / reissued	
JP2004290688 A2	20060330	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20060329
JP2004290688 A2	20060629	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20060628
JP2004290688 A2	20061218	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20061215
JP3596619 B2	20041202	LSGT	+	granted / extensions (spc, cpc, pte)	
JP3596619 B2	20070918	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 4
JP3596619 B2	20080911	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 4
JP3596619 B2	20080916	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 5
JP3596619 B2	20090910	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 5
JP3596619 B2	20090915	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 6
JP3596619 B2	20100917	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP3596619 B2	20150927	PEXP		Calculated Patent Term Expiry	
US5522385 A	19960604	LSGT	+	granted / extensions (spc, cpc, pte)	
US5522385 A	19941024	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ARADIGM CORPORATION, CALIFORNIA OLDPARTY : CHANGE OF NAME; ASSIGNOR:MIRIS MEDICAL CORPORATION; REEL/FRAME:007175/0255 EFFECTIVE DATE : 19940909
US5522385 A	19950123	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ARADIGM CORPORATION, CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LLOYD, LESTER J.; LLOYD, PETER M.; RUBSAMEN, REID M.; AND OTHERS; REEL/FRAME:007316/0397 EFFECTIVE DATE : 19950113
US5522385 A	19960501	LSGT	PAT1	Patented Case	
US5522385 A	19960501	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5522385 A	19991122	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4

US5522385 A	20031104	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5522385 A	20071217	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5522385 A	20140927	PEXP		Calculated Patent Term Expiry	
US5957124 A	19990928	LSGT	+	granted / extensions (spc, cpc, pte)	
US5957124 A	19960311	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ARADIGM CORPORATION, CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LLOYD, LESTER J.; LLOYD, PETER M.; RUBSAMEN, REID M.; AND OTHERS; REEL/FRAME:007840/0852; SIGNING DATES FROM 19960305 TO 19960307
US5957124 A	19990920	LSGT	PAT1	Patented Case	
US5957124 A	19990920	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5957124 A	20030307	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5957124 A	20070302	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5957124 A	20110302	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5957124 A	20150927	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO9609846 A1	19960404	LSPB	+	published / reissued	
WO9609846 A1	19970321	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1995936852 COUNTRY OF REF DOCUMENT : EP
WO9609846 A1	19970326	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2201129 COUNTRY OF REF DOCUMENT : CA
WO9609846 A1	19970326	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2201129 COUNTRY OF REF DOCUMENT : CA KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO9609846 A1	19970716	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1995936852 COUNTRY OF REF DOCUMENT : EP
WO9609846 A1	19970717	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO9609846 A1	20050323	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1995936852 COUNTRY OF REF DOCUMENT : EP

Title: Badehose fuer Stomabetroffene Swimsuit for Stomabetroffene (Machine translation)

Abstract: Source: DE202011107612U1 [DE] Badehose mit integrierter Bandage zur Abdeckung eines Stomas, dadurch gekennzeichnet, dass die Stomabandage 2 aus einem hochelastischen Gewebe besteht und im Bauchbereich ein extrem verstaerktes Segment 3 aus einem nicht dehnbarem Material aufweist.

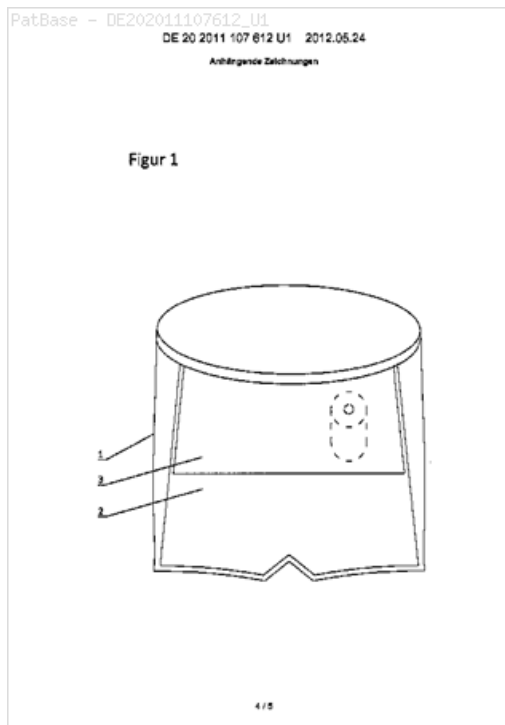
Machine translation: Swimsuit with integrated bandage to cover a stoma, characterized in that the highly elastic Stomabandage 2 consists of a fabric and in the abdominal area an extremely amplified segment 3 of a non-stretchable material.

Classifications:

International (IPC 8-9): A41D7/00 A61F5/44 (Advanced/Invention)

CPC: A41D7/00 A61F5/449

European: A41D7/00 A61F5/449



Family:

Publication number	Publication date	Application number	Application date
DE202011107612 U1	20120524	DE201120107612U	20111108

Priority:

DE201120107612U 20111108

Probable Assignee:

MORDELT HANS HELMAR

Assignee(s): (std):

MORDELT HANS HELMAR

Assignee(s):

MORDELT

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE202011107612 U1	20120524	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202011107612 U1	20120209	LSDW	-R123	APPLICATION DEEMED WITHDRAWN DUE TO NON-PAYMENT OF FILING FEE	
DE202011107612 U1	20120524	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20120524
DE202011107612 U1	20141126	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	
DE202011107612 U1	20141231	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	EFFECTIVE DATE : 20141126
DE202011107612 U1	20150507	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : FITGER, BERNHARD, DE OLDPARTY : FORMER OWNER: MORDELT, HANS-HELMAR, 06895 ZAHNA, DE EFFECTIVE DATE : 20150326
DE202011107612 U1	20150507	LSAS	R081	CHANGE OF	PARTYTYPE : OWNER

				APPLICANT/PATENTEE	OWNER : GROHMANN, CARMEN, DE OLDPARTY : FORMER OWNER: MORDELT, HANS-HELMAR, 06895 ZAHNA, DE EFFECTIVE DATE : 20150326
DE202011107612 U1	20160915	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : GROHMANN, CARMEN, DE OLDPARTY : FORMER OWNER: FITGER, BERNHARD, 09212 LIMBACH-OBERFROHNA, DE
DE202011107612 U1	20160915	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : FITGER, BERNHARD, DE OLDPARTY : FORMER OWNER: FITGER, BERNHARD, 09212 LIMBACH-OBERFROHNA, DE
DE202011107612 U1	20171130	LSGT	+R151	TERM OF PROTECTION EXTENDED TO 8 YEARS	
DE202011107612 U1	20191118	LSGT	+R152	TERM OF PROTECTION EXTENDED TO 10 YEARS	
DE202011107612 U1	20211108	PEXP	Calculated Patent Term Expiry		

Title: Structure having controlled water resistance

Abstract: PCT No. PCT/GB92/02078 Sec. 371 Date Aug. 10, 1994 Sec. 102(e) Date Aug. 10, 1994 PCT Filed Nov. 11, 1992 PCT Pub. No. WO93/10308 PCT Pub. Date May 27, 1993A structure of controlled water resistance comprises a core of material having mechanical strength when dry but not when water-wet and a coating comprising biodegradable water resistant polymer. The polymer is preferably applied to the core by electrostatic coating of dry fine particles as laid down in microorganism cells or as clusters of such particles. The structure is useful in the form of disposable biodegradable articles.

Classifications:

International (IPC 8-9): A61L15/62 C08L101/16 D06M15/00 D21H19/16 D21H19/28 D21H21/16

D21H23/66 (Advanced/Invention);

A61L15/16 C08L101/00 D06M15/00 D21H19/00 D21H21/14 D21H23/00 (Core/Invention)

International (IPC 1-7): A61F13/15 B05D1/06 B05D1/24 D06M15/00 D21H19/16 D21H19/28 D21H23/66

CPC: A61L15/62 D21H19/28 D21H21/16 D21H23/66

European: A61L15/62 D21H19/28 D21H21/16 D21H23/66

US: 427/185 427/475 427/478 604/367

Family:

Publication number	Publication date	Application number	Application date
AT162571 E	19980215	AT19920922901T	19921111
DE69224207 D1	19980226	DE19926024207	19921111
DE69224207 T2	19980813	DE19926024207T	19921111
EP0613510 A1	19940907	EP19920922901	19921111
EP0613510 B1	19980121	EP19920922901	19921111
GB9123997 A0	19920102	GB19910023997	19911112
JP7501108 T2	19950202	JP19930509065T	19921111
US5560962 A	19961001	US19940204263	19940810
WO9310308 A1	19930527	WO1992GB02078	19921111

Priority:

GB19910023997 19911112 WO1992GB02078 19921111

Probable Assignee: METABOLIX INC

Assignee(s): (std): ICI PLC ; MONSANTO CO ; ZENECA LTD

Assignee(s): MONSANTO COMPANY ; ZENECA LIMITED ; MONSANTO CO ST LOUIS MO US ; IMP CHEMICAL IND PLC ; IMPERIAL CHEMICAL INDUSTRIES PLC ; METABOLIX INC

Inventor(s): (std): BRUNGER PETER MAURICE ; KEMMISH DAVID JOHN ; KEMMISH DAVID ; BRUNGER PETER ; KEMMISH DAVID J ; BRUNGER PETER M ; BRUNGER PETER MAURICE AYLISHAM

Inventor(s): BRUNGER PETER MAURICE 10 AYLISHAM CLOSE ; KEMMISH DAVID JOHN THIRSK YO7 1EP GB ; BRUNGER PETER MAURICE 10 AYLISHAM CLOSE STOCKTON ON

Designated states: AT BE CH DE DK ES FI FR GB GR IE IT JP LI LU MC NL NO SE UA US

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT162571 E	19980215	LSGT	+	granted / extensions (spc, cpc, pte)	
AT162571 E	19980715	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT162571 E	20121111	PEXP		Calculated Patent Term Expiry	
DE69224207 D1	19990225	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69224207 D1	20010111	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE69224207 T2	19980813	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69224207 T2	20121111	PEXP		Calculated Patent Term Expiry	
EP0613510 A1	19940907	LSPB	+	published / reissued	
EP0613510 A1	19940907	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19940307
EP0613510 A1	19950118	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19941206
EP0613510 A1	19950201	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : ZENECA LIMITED
EP0613510 A1	19961218	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : MONSANTO COMPANY
EP0613510 B1	19980121	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0613510 B1	19980121	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT :

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	ES NOTIFICATION OF LAPSE : THE PATENT HAS BEEN ANNULLED BY A DECISION OF A NATIONAL AUTHORITY LAPSED DATE : 19980121
EP0613510 B1	19980121	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19980121
EP0613510 B1	19980121	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19980121
EP0613510 B1	19980121	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19980121
EP0613510 B1	19980121	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19980121
EP0613510 B1	19980130	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP0613510 B1	19980421	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19980421
EP0613510 B1	19980421	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19980421
EP0613510 B1	19980701	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
EP0613510 B1	19980731	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0613510 B1	19981110	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 19981110 YEAR OF FEE PAYMENT : 7
EP0613510 B1	19981113	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 19981113 YEAR OF FEE PAYMENT : 7
EP0613510 B1	19981120	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 19981120 YEAR OF FEE PAYMENT : 7
EP0613510 B1	19990113	LSGT	+26N	NO OPPOSITION FILED	

EP0613510 B1	19990119	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 19990119 YEAR OF FEE PAYMENT : 7
EP0613510 B1	19991111	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19991111
EP0613510 B1	19991130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19991130
EP0613510 B1	20000531	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : MONSANTO CY EFFECTIVE DATE : 19991130
EP0613510 B1	20000628	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 19991111
EP0613510 B1	20000731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20000731
EP0613510 B1	20000901	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20000901
EP0613510 B1	20000901	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST
EP0613510 B1	20051111	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20051111
EP0613510 B1	20121111	PEXP		Calculated Patent Term Expiry	
JP7501108 T2	19950202	LSPB	+	published / reissued	
US5560962 A	19961001	LSGT	+	granted / extensions (spc, cpc, pte)	
US5560962 A	19940810	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ZENECA LIMITED, ENGLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BRUNGER, PETER MAURICE; KEMMISHI, DAVID JOHN; REEL/FRAME:007135/0648 EFFECTIVE DATE : 19940318
US5560962 A	19960920	LSGT	PAT1	Patented Case	
US5560962 A	19960920	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5560962 A	20001205	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20001001
US5560962 A	20020725	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5560962 A	20020924	LSRE	+PRDP	PATENT REINSTATED DUE TO THE ACCEPTANCE OF A LATE MAINTENANCE FEE	EFFECTIVE DATE : 20020819
US5560962 A	20040310	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5560962 A	20061113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MONSANTO COMPANY, MISSOURI OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST;

					ASSIGNOR: ZENECA LIMITED; REEL/FRA: 018505/0770 EFFECTIVE DATE : 19970224
US5560962 A	20061114	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : METABOLIX, INC., MASSACHUSETTS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: MONSANTO COMPANY; REEL/FRA: 018515/0522 EFFECTIVE DATE : 20010514
US5560962 A	20080409	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5560962 A	20140810	PEXP	Calculated Patent Term Expiry		
WO9310308 A1	19930527	LSPB	+	published / reissued	
WO9310308 A1	19940307	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1992922901 COUNTRY OF REF DOCUMENT : EP
WO9310308 A1	19940810	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 08204263 COUNTRY OF REF DOCUMENT : US
WO9310308 A1	19940907	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1992922901 COUNTRY OF REF DOCUMENT : EP
WO9310308 A1	19980121	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1992922901 COUNTRY OF REF DOCUMENT : EP

Title: DISPOSABLE ARTICLE HAVING A PROACTIVE SENSOR

Abstract: A disposable article having a sensor that predicts an impending event such as an elimination of bodily waste. The article may also include an actuator that performs a responsive function when the sensor predicts the impending event.

Classifications:

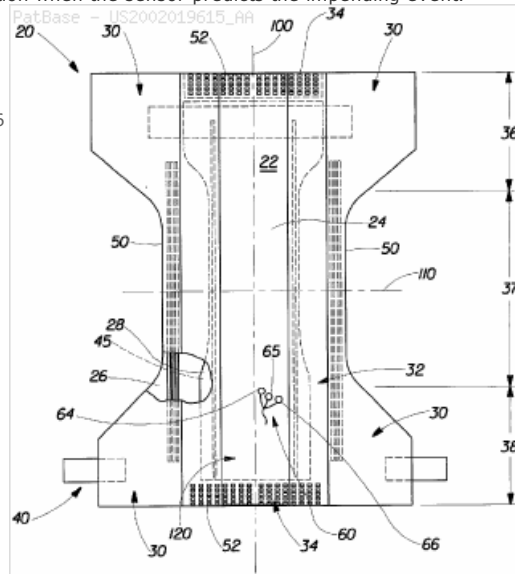
International (IPC 8-9): A61B10/00 A61B5/0488 A61F13/15
A61F13/42 A61F13/82 A61L15/18 A61L15/20 A61L15/24 A61L15/26
A61L15/56 G01N33/483 G01N33/487
G01N33/53 (Advanced/Invention);
A61B10/00 A61B5/0488 A61F13/15 A61F13/42 A61F13/56 A61L15/16
G01N33/483 G01N33/487 G01N33/53 (Core/Invention)

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

CPC: A61F13/42 A61F13/495 A61F13/82 A61F2013/8473
A61F2013/8479 A61L15/18 A61L15/20 A61L15/24 A61L15/26
A61L15/56 G01N33/5308 Y10S128/905

European: A61F13/42 A61F13/495 A61F13/82 A61L15/18
A61L15/20 A61L15/24 A61L15/26 A61L15/56 G01N33/483
G01N33/487B G01N33/53F K61F13/84C K61F13/84D1

US: 604/361 604/361P 604/362



Family:

Publication number	Publication date	Application number	Application date
US2002019615 AA	20020214	US19990267976	19990312
US6570053 BB	20030527	US19990267976	19990312

Priority:

US19980107561 19980629 US19990267976 19990312

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): IAN ROBINSON ; PROCTER AND GAMBLE

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

Inventor(s): (std): ROE DONALD C ; COLES PETER ; KRUCHININ MIKHAIL K ; LITVIN SIMON S ; KHOMJAKOV OLEG N ; OSBORNE THOMAS J ; OSBORNE JR THOMAS J

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2002019615 AA	20020214	LSPB	+	published / reissued	
US6570053 BB	20030527	LSGT	+	granted / extensions (spc, cpc, pte)	
US6570053 BB	20060228	LSRE	CC	CERTIFICATE OF CORRECTION	
US6570053 BB	20060926	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6570053 BB	20101025	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6570053 BB	20150527	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6570053 BB	20150622	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6570053 BB	20150622	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6570053 BB	20150714	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20150527
US6570053 BB	20190312	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	

Title: NUCLEIC ACID AND CORRESPONDING PROTEIN ENTITLED 161P2F10B USEFUL IN TREATMENT AND DETECTION OF CANCER

Abstract: A novel gene 0161P2F10B (also designated 161P2F10B) and its encoded protein, and variants thereof, are described wherein 161P2F10B exhibits tissue specific expression in normal adult tissue, and is aberrantly expressed in the cancers listed in Table I. Consequently, 161P2F10B provides a diagnostic, prognostic, prophylactic and/or therapeutic target for cancer. The 161P2F10B gene or fragment thereof, or its encoded protein, or variants thereof, or a fragment thereof, can be used to elicit a humoral or cellular immune response; antibodies or T cells reactive with 161P2F10B can be used in active or passive immunization.

Classifications:

International (IPC 8-9): A61K39/395 A61P35/00 C07K14/47 C07K16/18 C07K16/40 C07K16/46 C12N15/63 C12N5/02 C12N5/16 C12N9/16 C12Q1/68 (Advanced/Invention); A61K39/00 (Advanced/Non-invention)

CPC: C07K16/30 C07K16/18 C07K16/3023 C07K16/303 C07K16/3038 C07K16/3046 C07K16/3061 C07K16/3069 C07K2317/20 C07K2317/33 C07K2317/54 C07K2317/55 C07K2317/76 C07K2317/77 A61K31/7088 A61K39/00 A61K51/1045 A61K2039/505 C07K14/47 C07K16/40 C07K2317/34 C07K2317/73 C07K2319/30 C12N9/16 C12Q1/6886 C12Q2600/158 G01N33/57492 Y02A50/466

European: A61K31/7088 A61K51/10B30 C07K14/47 C07K16/30 C07K16/40 C12N9/16 C12Q1/68M6B G01N33/574V4 K61K39/00 K61K39/505 M07K203/00 M07K205/00 M07K215/00 M07K316/950 M07K317/770 M07K319/30 M12Q600/158

US: 424/139.1 424/139.100P 424/141.1 424/181.1 424/183.1 435/320.1 435/320.100S 435/331 435/331S 530/387.3 530/387.300S 530/387.9 530/387.900S 530/388.1 530/391.1 530/391.100S 530/391.3 530/391.300S 530/391.7 530/391.700S

PatBase - US2011287016_AA

Patent Application Publication Nov. 24, 2011 Sheet 1 of 71 US 2011/0287016 A1

Figure 1: 161P2F10B NBR sequence of 182 nucleotides (SEQ ID NO: 1)

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1 GATCAGACAT TAGGTATAG ACTTCAAGAT TTCAAAATG TTCAATCTCA GCTCTCTT
61 TAAACTGAG TCAATGTGC AAGAAAGATA GCTTCATGC TCTAAATCT ATGTATATA
121 CATTGATGTC GCTCTCACA AATTTATATF GATTACTGC TAAGAGGAG CACCTGTTA
182 TC

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Family:

Publication number	Publication date	Application number	Application date
US2011287016 AA	20111124	US20110153336	20110603
US8562989 BB	20131022	US20110153336	20110603

Priority:

US20010005480 20011107	US20020055480 20020123	US20020062109 20020131
US20020291241 20021107	US20070655822 20070119	US20090641261 20091217
US20110153336 20110603		

Probable Assignee: AGENSYS INC

Assignee(s): (std): AGENSYS INC ; CHALLITA EID PIA M ; FARIS MARY ; JAKOBOVITS AYA ; MORRISON ROBERT KENDALL ; HUBERT RENE S ; GE WANGMAO ; MORRISON KAREN JANE MEYRICK ; RAITANO ARTHUR B ; MORRISON KAREN JENE MEYRICK

Inventor(s): (std): RAITANO ARTHUR B ; MORRISON ROBERT KENDALL ; MORRISON KAREN JENE MEYRICK ; JAKOBOVITS AYA ; HUBERT RENE S ; GE WANGMAO ; FARIS MARY ; CHALLITA EID PIA M ; MORRISON KAREN JANE MEYRICK

Agent(s): MORRISON AND FOERSTER LLP

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2011287016 AA	20111124	LSPB	+	published / reissued	
US2011287016 AA	20131002	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US8562989 BB	20131022	LSGT	+	granted / extensions (spc, cpc, pte)	
US8562989 BB	20110607	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AGENSYS, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: JAKOBOVITS, AYA; RAITANO, ARTHUR B.; FARIS, MARY; AND OTHERS; SIGNING DATES FROM 20030214 TO 20030218; REEL/FRAME: 026404/0826
US8562989 BB	20131002	LSGT	PAT1	Patented	

Case					
US8562989 BB	20170424	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8562989 BB	20310603	PEXP		Calculated Patent Term Expiry	

Title: APPARATUS FOR FORMING TWO STEM FLAT CONTROLLED COLOSTOMA

Abstract: Source: SU1033130A **Machine translation:** DEVICE FOR FORMING barreled FLAT CONTROLLED **colostomy** comprising an elastic ring with a magnetic core and an elastic stopper with a flange in which are located magnetic elements, characterized in that, in order to prevent intestinal incontinence, the core has a section filled with an elastic material, and wherein a sector 15-25 percent is the length of the core. (A)

Classifications:

International (IPC 8-9): A61F2/00 A61F5/445 (Advanced/Invention); A61F2/00 A61F5/445 (Core/Invention)

International (IPC 1-7): A61B17/00 A61F5/445

CPC: A61F2/0018

European: A61F2/00B2D



Family:

Publication number	Publication date	Application number	Application date
SU1033130 A1	19830807	SU19823414340	19820401

Priority:

SU19823414340 19820401

Probable Assignee: RYKOV VLADIMIR

Assignee(s): (std): ODARYUK TAMARA S ; KALANTAROV TOFIG K ; GERBERG ALEKSANDR N ; MUKHO SERGEJ B ; FEDOROV VLADIMIR D ; BLAGODARNYJ LEONID A ; RYKOV VLADIMIR ; SAVKOV EVGENIJ D ; BARINOV GENNADIJ M

Assignee(s): BARINOV GENNADIJ M SU ; RYKOV VLADIMIR SU ; SAVKOV EVGENIJ D SU ; BLAGODARNYJ LEONID A SU ; FEDOROV VLADIMIR D SU ; KALANTAROV TOFIG K SU ; ODARYUK TAMARA S SU ; GERBERG ALEKSANDR N SU ; MUKHO SERGEJ B SU

Inventor(s): (std): BARINOV GENNADIJ M ; BLAGODARNYJ LEONID A ; FEDOROV VLADIMIR D ; GERBERG ALEKSANDR N ; KALANTAROV TOFIG K ; MUKHO SERGEJ B ; ODARYUK TAMARA S ; RYKOV VLADIMIR I ; SAVKOV EVGENIJ D

Inventor(s): SAVKOV EVGENIJ D SU ; RYKOV VLADIMIR I SU ; ODARYUK TAMARA S SU ; MUKHO SERGEJ B SU ; KALANTAROV TOFIG K SU ; GERBERG ALEKSANDR N SU ; FEDOROV VLADIMIR D SU ; BLAGODARNYJ LEONID A SU ; BARINOV GENNADIJ M SU

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
SU1033130 A1	19830807	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: QUIET FILM AND CONTAINER

Abstract: A substantially rustle-free thermoplastic film and container made therefrom. The film may be a multilayer structure, a skin of which is formed of a chlorinated polyethylene resin blend. The composition of said structure is such that quietness is imparted without detracting from the extrudability and other physical characteristics necessary for practical applications. A vapor barrier may be included as a core layer. A particular application for the present invention is an **ostomy** bag.

Classifications:

International (IPC 8-9): A61F5/44 A61L28/00 A61M1/00 B29C47/04 B32B27/00 B32B27/08 B32B27/32 B32B7/02 C07C301/00 C07C305/10 C07C67/00 C08J5/00 C08J5/12 C08J5/18 C08K5/04 C08K5/09 C08L23/00 C08L23/04 C08L23/08 C08L23/26 C08L23/28 D06P1/16 D06P1/613 D06P1/62 (Advanced/Invention); A61F5/44 A61L28/00 B29C47/04 B32B27/00 B32B27/08 B32B27/32 B32B7/02 C07C301/00 C07C305/00 C07C67/00 C08J5/00 C08J5/12 C08J5/18 C08K5/00 C08L23/00 D06P1/16 D06P1/44 (Core/Invention)

International (IPC 1-7): A61F5/44 A61M1/00 B29D7/02 B32B27/00 B32B27/08 B32B27/32 B32B7/02 B65D30/14 C07C141/08 C08F C08J5/00 C08J5/08 C08J5/18 C08K5/04 C08K5/09 C08L23/00 C08L23/04 C08L23/08 C08L23/28 C08L27/04 D06P1/613 D06P1/62

CPC: Y10T428/2495 Y10T428/2496 Y10T428/2497 Y10T428/2498 A61F5/44 A61L28/008 C08L23/28 Y10T428/31909 Y10T428/3192 B32B7/12 B32B27/304 B32B2307/558 B32B2307/7242 B32B2307/7246 B32B2323/04 B32B2327/06 B32B2439/80 B32B27/08 B32B27/322 C08J5/128

European: 29TM11+2 A61F5/44 A61L28/00R4 B32B27/08 B32B27/32A C08J5/12H6 C08L23/28

US: 428/213 428/215 428/216 428/283 428/515 428/518 604/339

PatBase - US4376799_A

U.S. Patent

Mar. 15, 1983

4,376,799



Family:

Publication number	Publication date	Application number	Application date
AT14541 E	19850815	AT19810902569T	19810915
AU198175893 A1	19820414	AU19810075893	19810915
AU533270 B2	19831110	AU19810075893	19810915
BE890380 A	19820316	BE19810205982	19810916
CA1186096 A1	19850423	CA19810385975	19810915
DE3171589 D1	19850905	DE19813171589	19810915
DK170258 B1	19950717	DK19820002014	19820505
DK201482 A	19820505	DK19820002014	19820505
EP0059739 A1	19820915	EP19810902569	19810915
EP0059739 A4	19830114	EP19810902569	19810915
EP0059739 B1	19850731	EP19810902569	19810915
ES505534 A0	19830416	ES19810505534	19810916
ES505534 A2	19830513		19810916
ES514470 A0	19831016	ES19820514470	19820728
ES514470 A2	19831116		19820728
ES8305801 A1	19830416	ES19810505534	19810916
ES8400327 A1	19831016	ES19820514470	19820728
IE52000 B	19870513	IE19810002141	19810915
IE812141 L	19820316	IE19810002141	19810915
IT1142863 A	19861015	IT19810049301	19810916
IT8149301 A0	19810916	IT19810049301	19810916
JP1095068 C3	19820427	JP19790102794	19790814
JP56031082 A2	19810328	JP19790102794	19790814
JP56038712 B4	19810908	JP19790102794	19790814
JP57501631 T2	19820909	JP19810503100T	19810915
JP60025052 B4	19850615	JP19810503100T	19810915
KR19830007752 A	19831107	KR19810003455	19810915
KR830007752 A	19831107	KR19810003455	19810915
KR860001861 B1	19861024	KR19810003455	19810915
US4376799 A	19830315	US19800187660	19800916
WO8200953 A1	19820401	WO1981US01234	19810915
ZA8106431 A	19830427	ZA19810006431	19810916

Priority:

JP19790102794 19790814 US19800187660 19800916 CA19810385975 19810915
 EP19810902569 19810915 WO1981US01234 19810915

Probable Assignee: DOW CHEMICAL CO

Assignee(s): (std): DOW CHEM CO ; DOW CHEMICAL CO ; NIKKA CHEMICAL IND CO LTD ; THE DOW CHEMICAL CO ; THE

Assignee(s): DOW CHEMICAL COMPANY ; DOW CHEMICAL COMPANY THE
Inventor(s): (std): TUSIM MH ; TUSIM M ; YOSHINO TAKAYOSHI ; MATSUDA MITSUO ; MH TUSIM ; YOSHIKAWA YASUHIRO ; TUSIM M H ; TUSIM MARTIN HOWARD ; TUSHIM MARTIN HOWARD ; TUSIM MARTIN H
Inventor(s): TASHIMU MAACHIN HOWAADO ; M H TUSIM ; MARTIN HOWARD TUSIM
Agent(s): PHILLIPS ORMONDE FITZPATRICK; SMART AND BIGGAR
Designated states: AT AU CH DE DK FR GB JP LI NL SE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT14541 E	19850815	LSGT	+	granted / extensions (spc, cpc, pte)	
AT14541 E	19851115	LSPB	+UEP	PUBLICATION OF TRANSLATION OF EUROPEAN PATENT SPECIFICATION	
AT14541 E	20011215	LSLE	-EELA	CANCELLED DUE TO LAPSE OF TIME	
AT14541 E	20010915	PEXP		Calculated Patent Term Expiry	
AU198175893 A1	19820414	LSPB	+	published / reissued	
AU533270 B2	19831110	LSGT	+	granted / extensions (spc, cpc, pte)	
AU533270 B2	20020418	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU533270 B2	20010915	PEXP		Calculated Patent Term Expiry	
BE890380 A	19820316	LSPB	+	published / reissued	
BE890380 A	20010101	LSLE	-RE20	PATENT EXPIRED	PARTYTYPE : OWNER OWNER : THE DOW CHEMICAL CY EFFECTIVE DATE : 20010916
DE3171589 D1	19860821	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DK170258 B1	19950717	LSGT	+	granted / extensions (spc, cpc, pte)	
DK170258 B1	19950717	LSGT	+B1	PATENT GRANTED (LAW 1993)	
DK170258 B1	20010924	LSLE	-PUP	PATENT EXPIRED	
DK170258 B1	20020505	PEXP		Calculated Patent Term Expiry	
DK201482 A	19820505	LSPB	+	published / reissued	
EP0059739 A1	19820915	LSPB	+	published / reissued	
EP0059739 A1	19820915	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19820701
EP0059739 B1	19850731	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0059739 B1	19860716	LSGT	+26N	NO OPPOSITION FILED	
EP0059739 B1	19950131	LSGT	+EAL	SE: EUROPEAN PATENT IN FORCE IN SWEDEN	REF COUNTRY CODE : EP TEXT : 81902569.3
EP0059739 B1	20000619	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20000619 YEAR OF FEE PAYMENT : 20
EP0059739 B1	20000619	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20000619 YEAR OF FEE PAYMENT : 20
EP0059739 B1	20000627	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20000627 YEAR OF FEE PAYMENT : 20

EP0059739 B1	20000630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20000630 YEAR OF FEE PAYMENT : 20
EP0059739 B1	20000706	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20000706 YEAR OF FEE PAYMENT : 20
EP0059739 B1	20000727	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20000727 YEAR OF FEE PAYMENT : 20
EP0059739 B1	20000810	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20000810 YEAR OF FEE PAYMENT : 20
EP0059739 B1	20010914	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20010914
EP0059739 B1	20010914	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATION OF LAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20010914
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EP0059739 B1	20010915	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20010915
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EP0059739 B1	20010929	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATION OF LAPSE : THE PATENT HAS BEEN ANNULLED BY A DECISION OF A NATIONAL AUTHORITY LAPSED DATE : 20010929
EP0059739 B1	20011010	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : PE20 EFFECTIVE DATE : 20010914
EP0059739 B1	20011015	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0059739 B1	20011101	LSLE	-NLV7	NL: LAPSED DUE TO REACHING THE MAXIMUM LIFETIME OF A PATENT	REF COUNTRY CODE : EP EFFECTIVE DATE : 20010915
EP0059739 B1	20011105	LSLE	-EUG	SE: EUROPEAN PATENT HAS LAPSED	REF COUNTRY CODE : EP TEXT : 81902569.3

EP0059739 B1	20010915	PEXP		Calculated Patent Term Expiry	
ES8305801 A1	19830416	LSGT	+	granted / extensions (spc, cpc, pte)	
ES8305801 A1	20071216	LSLE	-FD1A	PATENT LAPSED	EFFECTIVE DATE : 20030219
ES8305801 A1	20030416	PEXP		Calculated Patent Term Expiry	
ES8400327 A1	19831016	LSGT	+	granted / extensions (spc, cpc, pte)	
ES8400327 A1	20031016	PEXP		Calculated Patent Term Expiry	
IE52000 B	19870513	LSGT	+	granted / extensions (spc, cpc, pte)	
IE52000 B	20000920	LSLE	-MM4A	PATENT LAPSED	
IE52000 B	20010915	PEXP		Calculated Patent Term Expiry	
IT1142863 A	19861015	LSGT	+	granted / extensions (spc, cpc, pte)	
IT1142863 A	19991027	LSFE	TA	FEE PAYMENT DATE (SITUATION AS OF EVENT DATE), DATA COLLECTED SINCE 19931001	EFFECTIVE DATE : 19970626
IT1142863 A	20010916	PEXP		Calculated Patent Term Expiry	
JP1095068 C3	19820427	LSGT	+	granted / extensions (spc, cpc, pte)	
JP56031082 A2	19810328	LSPB	+	published / reissued	
JP56038712 B4	19810908	LSPB	+	published / reissued	
JP57501631 T2	19820909	LSPB	+	published / reissued	
JP60025052 B4	19850615	LSPB	+	published / reissued	
KR19830007752 A	19831107	LSPB	+	published / reissued	
KR830007752 A	19831107	LSPB	+	published / reissued	
KR830007752 A	19830106	LSSES	A201	REQUEST FOR EXAMINATION	
KR830007752 A	19860419	LSSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR830007752 A	19860927	LSPB	G160	DECISION TO PUBLISH PATENT APPLICATION	
KR830007752 A	19861212	LSOP	-O035	OPPOSITION [PATENT]: REQUEST FOR OPPOSITION	
KR830007752 A	19870219	LSGT	+O073	DECISION TO GRANT REGISTRATION AFTER OPPOSITION [PATENT]: DECISION TO GRANT REGISTRATION	
KR830007752 A	19870312	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR830007752 A	19951004	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 19951004 YEAR OF FEE PAYMENT : 10
KR830007752 A	19961025	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	
KR860001861 B1	19861024	LSGT	+	granted / extensions (spc, cpc, pte)	
KR860001861 B1	19960915	PEXP		Calculated Patent Term Expiry	
US4376799 A	19830315	LSGT	+	granted / extensions (spc, cpc, pte)	
US4376799 A	19821229	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DOW CHEMICAL COMPANY THE, MIDLAND, MI A CORP. OF D OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:TUSIM, MARTIN H.; REEL/FRAME:004073/0668 EFFECTIVE DATE : 19800909
US4376799 A	19830112	LSGT	PAT1	Patented Case	

US4376799 A	19830112	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US4376799 A	20000916	PEXP		Calculated Patent Term Expiry	
WO8200953 A1	19820401	LSPB	+	published / reissued	
WO8200953 A1	19820510	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1981902569 COUNTRY OF REF DOCUMENT : EP
WO8200953 A1	19820915	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1981902569 COUNTRY OF REF DOCUMENT : EP
WO8200953 A1	19850731	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1981902569 COUNTRY OF REF DOCUMENT : EP
ZA8106431 A	19830427	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA8106431 A	20010915	PEXP		Calculated Patent Term Expiry	

Title: SURGICAL DRAPE

Abstract: A surgical barrier used on a patient during an operating procedure. Wherein the barrier includes a drape, having a patient and doctor side; and valve, located on the drape, for maintaining a barrier between the patient and doctor side while a surgical instrument extends therethrough. The surgical barrier also has a reservoir, located adjacent the valve, for holding a solution therein. Additionally, the reservoir includes a pore for expelling the solution onto the surgical instrument located on the patient side. Moreover, the reservoir includes a refill device for refilling the reservoir with solution. The reservoir has a hollow walled ring shape that is formed circumferentially around the valve. The hollow walled ring defines a cavity therebetween. The valve is specifically located within the cavity adjacent the doctor side of the drape. Additionally, the surgical barrier includes a collection bag, located on the patient side of the drape, for collecting secretions from a patient during an operating procedure. The surgical barrier also includes on an adhesive tape located on a periphery of the drape.

Classifications:

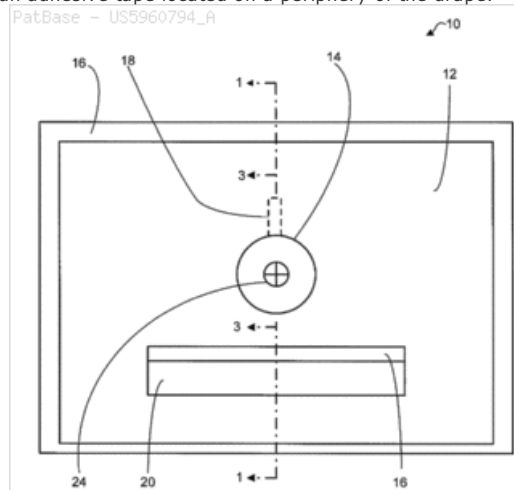
International (IPC 8-9): A61B19/08 (Advanced/Invention);
A61B19/00 (Core/Invention)

International (IPC 1-7): A61B19/00

CPC: A61B46/30 A61B2046/201 A61B2046/205

European: A61B19/08G K61B19/08C1 K61B19/08E

US: 128/849 128/853

**Family:**

Publication number	Publication date	Application number	Application date
US5960794 A	19991005	US19970964511	19971105

Priority:

US19970964511 19971105

Probable Assignee:

SHAW TIMOTHY A

Assignee(s): (std):

SHAW TIMOTHY A

Inventor(s): (std):

SHAW TIMOTHY A

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US5960794 A	19991005	LSGT	+	granted / extensions (spc, cpc, pte)	
US5960794 A	20031002	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5960794 A	20071005	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5960794 A	20071105	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5960794 A	20071105	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5960794 A	20071127	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20071005
US5960794 A	20171105	PEXP		Calculated Patent Term Expiry	

Title: Drainage pouch system

Abstract: A post-surgical drainage pouch system (10) for collection of discharge materials from a body opening (12). Drainage pouch system (10) is locationally mounted adjacent and in contiguous contact with an abdominal wall (14) and is aligned with the body opening (12) formed within the patient. System (10) includes a tubular member (16) which is insertable within a resilient planar member (26). A pouch member (32) is insertable through the tubular member (16) and is captured by an annular disk member (36) in a shoulder portion of the tubular member (16). The drainage pouch system (10) is mounted to the user by a body encircling strap (40) which is releasably coupled to the resilient planar member (26). Subsequent to use, the annular disk member (36) is inserted within an open end section (34) of the pouch member (32) and is disposed of with the discharge material captured within the pouch member (32).

Classifications:

International (IPC 8-9): A61F5/448 (Advanced/Invention);

A61F5/445 (Core/Invention)

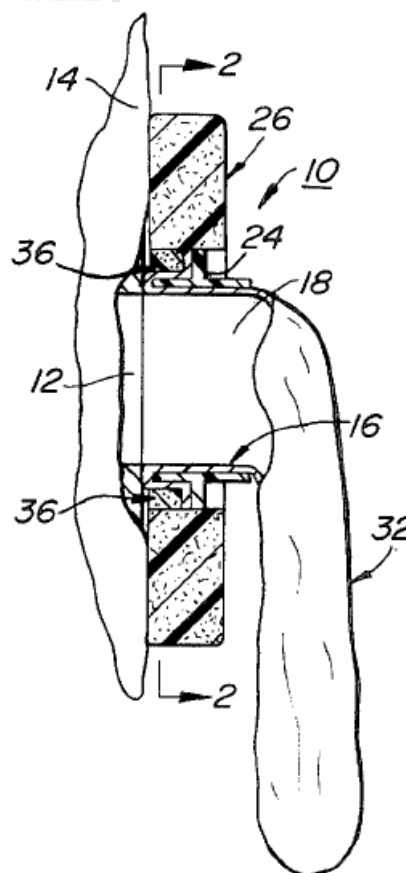
International (IPC 1-7): A61F5/44

CPC: A61F5/448

European: A61F5/448

US: 128/283 604/342 604/343

PatBase - US4256110_A



Family:

Publication number	Publication date	Application number	Application date
US4256110 A	19810317	US19780937790	19780829

Priority:

US19780937790 19780829

Probable Assignee:

SCOVILLE ALFRED M

Assignee(s): (std):

SCOVILLE ALFRED M

Inventor(s): (std):

SCOVILLE ALFRED M

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US4256110 A	19810317	LSGT	+	granted / extensions (spc, cpc, pte)	
US4256110 A	19810107	LSGT	PAT1	Patented Case	
US4256110 A	19810107	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

Title: ADHESIVE AGENT AND USE OF SUCH ADHESIVE AGENT

Abstract: A pressure sensitive adhesive composition suitable for application to human or animal skin comprising a conjugated diene polymer, a polyvinyl pyrrolidone polymer or a polyvinyl pyrrolidone vinylacetate copolymer, optionally one or more hydrocolloids and optionally a physically cross-linked elastomer selected from block-copolymers comprising styrene and one or more butadienes improves the rate of absorption of water and improves the integrity of the adhesive composition as well as the tack of an adhesive agent on wet skin.

Classifications:

International (IPC 8-9): A61L15/58 A61L24/04 (Advanced/Invention);
A61L15/16 A61L24/00 (Core/Invention)

International (IPC 1-7): A61L1/524 A61L15/22 A61L15/24 A61L15/30 A61L15/58 C08F1/2610 C08F126/10 C08F2/2610 C08F226/10 C08L1/500 C08L15/00 C09J153/00 C09J157/00

CPC: A61L15/585 A61L24/043 A61L2400/14

European: A61L15/58M A61L24/04M K61L400/14

US: 424/448 523/111 525/326.9

Family:

Publication number	Publication date	Application number	Application date
AT224739 E	20021015	AT19980919081T	19980429
AU199872053 A1	19981124	AU19980072053	19980429
DE69808275 D1	20021031	DE19986008275	19980429
DE69808275 D1	20021031	DE19986008275T	19980429
DE69808275 T2	20030515	DE19986008275T	19980429
DK0980268 T3	20030203	DK19980919081T	19980429
DK48997 A	19990105	DK19970000489	19970430
EP0980268 A1	20000223	EP19980919081	19980429
EP0980268 B1	20020925	EP19980919081	19980429
US6303700 BA	20011016	US19990403755	19991029
WO9848858 A1	19981105	WO1998DK00166	19980429

Priority:

DK19970000489 19970430 WO1998DK00166 19980429

Probable Assignee: COLOPLAST AS

Assignee(s): (std): CHEN FEI ; COLOPLAST AS

Assignee(s): COLOPLAST HUMLEBAEK AS ; COLOPLAST A S ; COLOPLAST A S HOLTEDAM ; COLOPLAST A S HUMLEBAEK

Inventor(s): (std): CHEN FEI

Inventor(s): FEI CHEN

Agent(s): JACOBSON HOLMAN PLLC

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC 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 US UZ VN YU ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT224739 E	20021015	LSGT	+	granted / extensions (spc, cpc, pte)	
AT224739 E	20030315	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT224739 E	20180429	PEXP		Calculated Patent Term Expiry	
AU199872053 A1	19981124	LSPB	+	published / reissued	
AU199872053 A1	20000203	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2) (F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
DE69808275 D1	20031023	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69808275 D1	20031023	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69808275 T2	20030515	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69808275 T2	20031023	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69808275 T2	20180429	PEXP		Calculated Patent Term Expiry	

DK0980268 T3	20030203	LSGT	+	granted / extensions (spc, cpc, pte)	
DK0980268 T3	20180429	PEXP		Calculated Patent Term Expiry	
DK48997 A	19990105	LSPB	+	published / reissued	
DK48997 A	20060626	LSWD	-ATS	APPLICATION WITHDRAWN	
EP0980268 A1	20000223	LSPB	+	published / reissued	
EP0980268 A1	20000223	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19991021
EP0980268 A1	20010530	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20010419
EP0980268 B1	20020925	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0980268 B1	20020925	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20020925
EP0980268 B1	20020925	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20020925
EP0980268 B1	20020925	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20020925
EP0980268 B1	20020925	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20020925
EP0980268 B1	20020925	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20020925
EP0980268 B1	20020925	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20020925
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EP0980268 B1	20020925	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20020925

EP0980268 B1	20020925	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP0980268 B1	20020930	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP0980268 B1	20021016	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP0980268 B1	20021225	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20021225
EP0980268 B1	20021226	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20021226
EP0980268 B1	20030303	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
EP0980268 B1	20030328	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20030328
EP0980268 B1	20030415	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0980268 B1	20030429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20030429
EP0980268 B1	20030429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20030429
EP0980268 B1	20030430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20030430
EP0980268 B1	20030917	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20030626
EP0980268 B1	20130731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20130508 YEAR OF FEE PAYMENT : 16
EP0980268 B1	20130731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20130424 YEAR OF FEE PAYMENT : 16
EP0980268 B1	20130731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20130410 YEAR OF FEE PAYMENT : 16
EP0980268 B1	20130731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20130410 YEAR OF FEE PAYMENT : 16

EPO]					
EP0980268 B1	20130830	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20130625 YEAR OF FEE PAYMENT : 16
EP0980268 B1	20141101	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 69808275 COUNTRY OF REF DOCUMENT : DE
EP0980268 B1	20141124	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : EBP EFFECTIVE DATE : 20140430
EP0980268 B1	20141224	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20140429
EP0980268 B1	20150123	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20141231
EP0980268 B1	20150128	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
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EP0980268 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140429
EP0980268 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140430
EP0980268 B1	20180429	PEXP		Calculated Patent Term Expiry	
US6303700 BA	20011016	LSGT	+	granted / extensions (spc, cpc, pte)	
US6303700 BA	20010803	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COLOPLAST A/S, DENMARK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CHEN, FEI; REEL/FRAME:012041/0997 EFFECTIVE DATE : 19991026
US6303700 BA	20010927	LSGT	PAT1	Patented Case	
US6303700 BA	20010927	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US6303700 BA	20050323	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4

US6303700 BA	20090318	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6303700 BA	20130306	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6303700 BA	20191029	PEXP		Calculated Patent Term Expiry	
WO9848858 A1	19981105	LSPB	+	published / reissued	
WO9848858 A1	19991021	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1998919081 COUNTRY OF REF DOCUMENT : EP
WO9848858 A1	19991029	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 09403755 COUNTRY OF REF DOCUMENT : US
WO9848858 A1	20000223	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1998919081 COUNTRY OF REF DOCUMENT : EP
WO9848858 A1	20000224	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO9848858 A1	20000303	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 1998546510 COUNTRY OF REF DOCUMENT : JP
WO9848858 A1	20001030	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : CA
WO9848858 A1	20020925	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1998919081 COUNTRY OF REF DOCUMENT : EP

Title: DISPOSABLE ARTICLE HAVING A BIOSENSOR

Abstract: A disposable article to be fitted to a wearer comprising a biosensor including at least one bio-recognition element. The biosensor is adapted to detect a target biological analyte in bodily waste or on the wearer's skin.

Classifications:

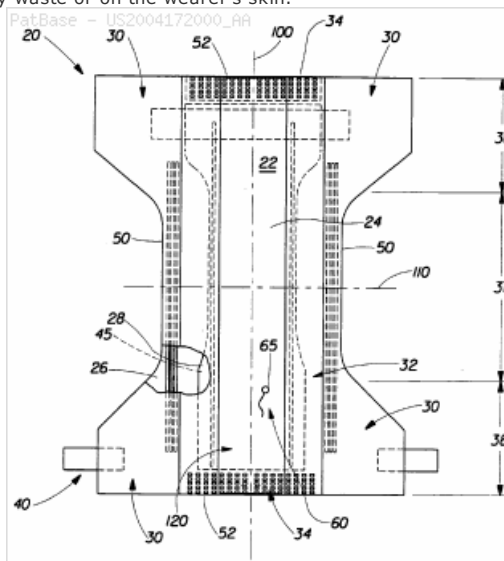
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A61F13/534 A61F13/82 A61F5/44 A61L15/42 A61L15/56 G01N27/00
G01N33/483 G01N33/487 G01N33/52 G01N33/53 G01N33/543
G01N33/72 (Advanced/Invention);
G01N33/84 (Advanced/Non-invention)

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

CPC: A61F13/42 A61F13/495 A61F13/82 A61F13/84 A61F2013/8473
A61F2013/8479 A61L15/42 A61L15/56 G01N33/528 G01N33/5308
G01N33/54366 G01N33/725 G01N33/84 G01N2333/59 Y02A50/59

European: A61F13/42 A61F13/495 A61F13/82 A61F13/84
A61L15/42 A61L15/56 G01N33/483 G01N33/487B G01N33/52D
G01N33/53F G01N33/543K G01N33/72B4 K61F13/84C K61F13/84D1
S01N33/84 S01N33/59

US: 604/361 604/361P 604/362 604/367 604/368



Family:

Publication number	Publication date	Application number	Application date
US2004172000 AA	20040902	US20040753669	20040108
US7982088 BB	20110719	US20040753669	20040108

Priority:

US19980107563 19980629 US19990299399 19990426 US20040753669 20040108

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): ROE DONALD C ; MUSCAT ANDREAS ; ROE DONALD CARROLL

Agent(s): THIBAUT; WILLIAM E; JAY A

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2004172000 AA	20040902	LSPB	+	published / reissued	
US2004172000 AA	20110629	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US7982088 BB	20110719	LSGT	+	granted / extensions (spc, cpc, pte)	
US7982088 BB	20110629	LSGT	PAT1	Patented Case	
US7982088 BB	20120410	LSRE	CC	CERTIFICATE OF CORRECTION	
US7982088 BB	20141229	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7982088 BB	20190311	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
US7982088 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
US7982088 BB	20190826	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7982088 BB	20190826	LSLE	-STCH	INFORMATION ON	TEXT : PATENT EXPIRED DUE TO

US7982088 BB	20190917	LSLE	-FP	STATUS: PATENT DISCONTINUATION	NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
				EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20190719
US7982088 BB	20240503	PEXP		Calculated Patent Term Expiry (PTA 116 days and a terminal disclaimer has been filed)	

Title: NUCLEIC ACID AND CORRESPONDING PROTEIN NAMED 158P1D7 USEFUL IN TREATMENT AND DETECTION OF BLADDER CANCER AND OTHER CANCERS

Abstract: PROBLEM TO BE SOLVED: To provide a novel gene (designated 158P1D7) and its encoded protein. SOLUTION: While 158P1D7 exhibits tissue specific expression in normal adult tissue, it is aberrantly expressed in multiple cancers shown in Table 1. Consequently, 158P1D7 provides a diagnostic and/or therapeutic target for cancers. The 158P1D7 gene or a fragment thereof, or its encoded protein or a fragment thereof, can be used to elicit an immune response.

Classifications:

International (IPC 8-9): A01K67/027 A61K31/165 A61K31/27 A61K31/337 A61K31/404 A61K31/407 A61K31/439 A61K31/522 A61K31/7048 A61K38/00 A61K38/17 A61K39/00 A61K39/395 A61K45/00 A61K51/00 A61P35/00 C07K14/47 C07K14/82 C07K16/18 C07K16/32 C12N C12N15/02 C12N15/09 C12N15/11 C12N15/12 C12N5/10 C12Q1/02 C12Q1/68 G01N33/68 (Advanced/Invention); A61K38/00 (Advanced/Non-invention); C12N (Subclass/Invention) **CPC:** C07K14/47 A61K38/00

PatBase - JP2015057068 A2
158P1D7SSH配列 (配列番号 1)

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181 TTGACATGG  ACTATCATT  ATTGAAGAT  TTGCTGGAG  ATGTAATGA  C
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Family:

Publication number	Publication date	Application number	Application date
IL170080 A0	20060221	IL20040170080	20040210
IL170080 A1	20150331	IL20040170080	20040210
JP2015057068 A2	20150326	JP20140246948	20141205

Priority:

US20030446633P 20030210 JP20110095100 20040210 WO2004US03984 20040210

Probable Assignee: AGENSYS INC

Assignee(s): (std): AGENSYS INC

Inventor(s): (std): GE WANGMAO ; PEREZ VILLAR JUAN J ; RAITANO ARTHUR B ; MORRISON ROBERT KENDALL ; JAKOBOVITS AYA ; KANNER STEVEN B ; CHALLITA EID PIA M ; MORRISON KAREN JANE MEYRICK ; FARIS MARY ; GUDAS JEAN

Agent(s): WOLFF BREGMAN AND GOLLER; KATO ASAMICHI; UCHIDA KIYOHITO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
IL170080 A1	20150331	LSPB	+	published / reissued	
IL170080 A1	20150730	LSGT	+FF	PATENT GRANTED	
IL170080 A1	20150730	LSFE	+KB	PATENT RENEWED	
IL170080 A1	20180131	LSFE	+KB	PATENT RENEWED	
JP2015057068 A2	20150326	LSPB	+	published / reissued	
JP2015057068 A2	20141227	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20141226
JP2015057068 A2	20151202	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20151201
JP2015057068 A2	20160726	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20160726

Title: METHOD FOR FABRICATING AN OSTOMY DEVICE WITH A CONVEX ADHESIVE FACEPLATE AND PROTECTIVE SHIELD

Abstract: A plastic annular disk has a convex exterior surface upon which is situated an adhesive wafer. A removable protective shield is formed to have a substantially wrinkle-free surface with a contour identical to that of the convex surface. The disk and wafer are placed in a vacuum chamber, below a planar plastic sheet. The top of the chamber is heated. The space above the sheet is evacuated to draw the sheet against the heated surface. The remaining portion of the chamber is then evacuated to eliminate air between the wafer and disk. Lastly, the top of the chamber is vented such that the heated sheet is pressed over the wafer and disk.

Classifications:

International (IPC 8-9): A61F5/44 A61F5/443 A61F5/445 A61F5/448 A61F5/449 (Advanced/Invention);

A61F5/448 (Advanced/Non-invention);

A61F5/443 A61F5/445 (Core/Invention)

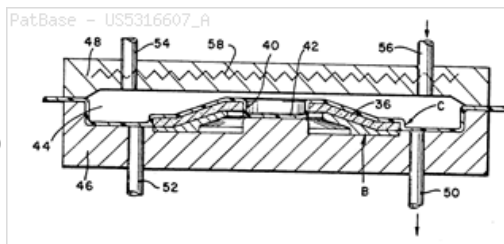
International (IPC 1-7): A01M A61B A61F5/445 A61F5/448

A61F5/449 A61F5/455 A61M27/00 A61M31/00 B29C65/00 B32B31/00

CPC: A61F5/443 A61F5/445 A61F2005/4483 Y10T156/1028

European: A61F5/443 A61F5/445 K61F5/448C

US: 156/212 156/285 156/286 156/382



Family:

Publication number	Publication date	Application number	Application date
AT129886 E	19951115	AT19900116246T	19900824
AU199061093 A1	19910228	AU19900061093	19900817
AU643452 B2	19931118	AU19900061093	19900817
CA2023406 AA	19910301	CA19902023406	19900816
CA2023406 C	20030506	CA19902023406	19900816
DE69023432 D1	19951214	DE19906023432	19900824
DE69023432 T2	19960404	DE19906023432T	19900824
DK0415282 T3	19951211	DK19900116246T	19900824
EP0415282 A1	19910306	EP19900116246	19900824
EP0415282 B1	19951108	EP19900116246	19900824
ES2079409 T3	19960116	ES19900116246T	19900824
GR3018841 T3	19960430	GR19960400250T	19960131
IE72140 B	19970326	IE19900003039	19900822
IE903039 A1	19910313	IE19900003039	19900822
JP3068167 B2	20000724	JP19900227895	19900828
JP3099659 A2	19910424	JP19900227895	19900828
KR0163955 B1	19981116	KR19900013227	19900827
KR19910004220 A	19910328	KR19900013227	19900827
NO301517 B1	19971110	NO19900003755	19900827
NO903755 A	19910301	NO19900003755	19900827
NO903755 A0	19900827	NO19900003755	19900827
NO903755 L	19910301	NO19900003755	19900827
NZ234877 A	19940126	NZ19900234877	19900813
PT95110 A	19920630	PT19900095110	19900828
PT95110 B	19980630	PT19900095110	19900828
US5316607 A	19940531	US19920846783	19920304
ZA9006588 A	19910626	ZA19900006588	19900820

Priority:

US19890399829 19890828

CA19902023406 19900816

US19910723467 19910628

US19920846783 19920304

Probable Assignee: CONVATEC TECHNOLOGIES INC

Assignee(s): (std): BRISTOL MYERS SQUIBB CO ; SQUIBB AND SONS INC ; JOHNSON KENNETH A ; FERGUSON KEITH T ; SQUIBB BRISTOL MYERS CO ; SQUIBB AND SONS INC E R ; E R SQUIBB AND SONS

Assignee(s): E R SQUIBB AND SONS INC ; E R SQUIBB AND SONS INC PRINCETON N J US ; JP MORGAN EUROPE LTD ; ER SQUIBB AND SONS LLC ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; UNOMEDICAL A S ; UNOMEDICAL LTD ; SQUIBB AND SONS INC E R ; ER SQUIBB AND SONS INC ; CONVATEC INC ; CONVATEC LTD ; CONVATEC TECHNOLOGIES INC

Inventor(s): (std): JOHNSON KENNETH A ; FERGUSON KEITH T ; KENISU EI JIYANSEN ; KEISU TEII FUAAGIYUSON ; KENNETH A JOHNSON ; KEITH T FERGUSON

Inventor(s): FERGUSON KEITH T SCOTCH PLAINS NJ US ; JOHNSON KENNETH A PISCATAWAY NJ US

Agent(s): PHILLIPS ORMONDE FITZPATRICK; OSLER HOSKIN AND HARCOURT LLP

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT129886 E	19951115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT129886 E	20080515	LSLE	-REN	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT129886 E	20100824	PEXP		Calculated Patent Term Expiry	

AU199061093 A1	19910228	LSPB	+	published / reissued	
AU643452 B2	19931118	LSGT	+	granted / extensions (spc, cpc, pte)	
AU643452 B2	20100817	PEXP		Calculated Patent Term Expiry	
CA2023406 AA	19910301	LSPB	+	published / reissued	
CA2023406 AA	19970627	LSSES	+EEER	EXAMINATION REQUEST	
CA2023406 C	20030506	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2023406 C	20100816	LSLE	-MKEX	EXPIRY	
CA2023406 C	20100816	PEXP		Calculated Patent Term Expiry	
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DE69023432 D1	20090525	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : CONVATEC,INC. (N. D. GES. D. STAATES DELAWARE), SKILLMANN, US OLDPARTY : E.R. SQUIBB & SONS, INC., PRINCETON, US
DE69023432 D1	20090730	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : CONVATEC,INC. (N. D. GES. D. STAATES DELAWARE), US
DE69023432 D1	20100824	LSLE	-R071	EXPIRY OF RIGHT	
DE69023432 D1	20110105	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : CONVATEC TECHNOLOGIES INC., LAS VEGAS, NEV., US OLDPARTY : CONVATEC,INC. (N. D. GES. D. STAATES DELAWARE), SKILLMANN, US
DE69023432 D1	20110310	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : CONVATEC TECHNOLOGIES INC., LAS VEGAS, NEV., US
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DE69023432 T2	20100824	PEXP		Calculated Patent Term Expiry	
DK0415282 T3	19951211	LSGT	+	granted / extensions (spc, cpc, pte)	
DK0415282 T3	20100824	PEXP		Calculated Patent Term Expiry	
EP0415282 A1	19910306	LSPB	+	published / reissued	
EP0415282 A1	19910306	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19901228
EP0415282 A1	19930107	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19921124
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EPO]					
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EP0415282 B1	20091130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20090803 YEAR OF FEE PAYMENT : 20
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EP0415282 B1	20100324	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : TD EFFECTIVE DATE : 20100303
EP0415282 B1	20100430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20090818 YEAR OF FEE PAYMENT : 20
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EP0415282 B1	20100831	LSLE	-BE20	BE: PATENT EXPIRED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : CONVATEC TECHNOLOGIES INC. EFFECTIVE DATE : 20100824
EP0415282 B1	20100901	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : V4 EFFECTIVE DATE : 20100824
EP0415282 B1	20100913	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : EUP
EP0415282 B1	20100915	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : PE20 EXPIRY DATE : 20100823
EP0415282 B1	20101005	LSLE	-EUG	SE: EUROPEAN PATENT HAS LAPSED	REF COUNTRY CODE : EP
EP0415282 B1	20101028	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20100825
EP0415282 B1	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20100824
EP0415282 B1	20101231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20100823
EP0415282 B1	20130628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20100824
EP0415282 B1	20100823	PEXP		Calculated Patent Term Expiry	
EP0415282 B1	20100824	PEXP		Calculated Patent Term Expiry	
ES2079409 T3	19960116	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2079409 T3	19960116	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 415282 COUNTRY OF REF DOCUMENT : ES
ES2079409 T3	20100824	PEXP		Calculated Patent Term Expiry	
GR3018841 T3	19960430	LSGT	+	granted / extensions (spc, cpc, pte)	
GR3018841 T3	20160131	PEXP		Calculated Patent Term Expiry	
IE72140 B	19970326	LSGT	+	granted / extensions (spc, cpc, pte)	

IE72140 B	20100929	LSLE	-MK9A	PATENT EXPIRED	
IE72140 B	20100822	PEXP		Calculated Patent Term Expiry	
IE903039 A1	19910313	LSPB	+	published / reissued	
JP3068167 B2	20000724	LSGT	+	granted / extensions (spc, cpc, pte)	
JP3068167 B2	20040511	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP3068167 B2	20050510	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP3068167 B2	20060502	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP3068167 B2	20070515	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP3068167 B2	20080507	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 9
JP3068167 B2	20090507	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 10
JP3068167 B2	20100421	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 10
JP3068167 B2	20100421	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313113
JP3068167 B2	20100421	LSAS	S533	WRITTEN REQUEST FOR REGISTRATION OF CHANGE OF NAME	TEXT : JAPANESE INTERMEDIATE CODE: R313533
JP3068167 B2	20100426	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313113
JP3068167 B2	20100426	LSAS	S533	WRITTEN REQUEST FOR REGISTRATION OF CHANGE OF NAME	TEXT : JAPANESE INTERMEDIATE CODE: R313533
JP3068167 B2	20100513	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 11
JP3068167 B2	20100513	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART OF OWNERSHIP	TEXT : JAPANESE INTERMEDIATE CODE: R313113
JP3068167 B2	20100513	LSAS	S533	WRITTEN REQUEST FOR REGISTRATION OF CHANGE OF NAME	TEXT : JAPANESE INTERMEDIATE CODE: R313533
JP3068167 B2	20100521	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 11
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JP3068167 B2	20100828	LSLE	-EXPY	CANCELLATION BECAUSE OF COMPLETION OF TERM	
JP3068167 B2	20101124	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 11
JP3068167 B2	20100828	PEXP		Calculated Patent Term Expiry	
JP3099659 A2	19910424	LSPB	+	published / reissued	
KR0163955 B1	19981116	LSGT	+	granted / extensions (spc, cpc, pte)	
KR0163955 B1	19950826	LSSES	A201	REQUEST FOR EXAMINATION	
KR0163955 B1	19980331	LSSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	

KR0163955 B1	19980709	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR0163955 B1	19980910	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR0163955 B1	20010911	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	
KR0163955 B1	20131116	PEXP		Calculated Patent Term Expiry	
KR19910004220 A	19910328	LSPB	+	published / reissued	
NO301517 B1	19971110	LSGT	+	granted / extensions (spc, cpc, pte)	
NO301517 B1	20100913	LSLE	-MK1K	PATENT EXPIRED	
NO301517 B1	20100827	PEXP		Calculated Patent Term Expiry	
NO903755 A	19910301	LSPB	+	published / reissued	
NZ234877 A	19940126	LSPB	+	published / reissued	
NZ234877 A	20030829	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	
NZ234877 A	20100326	LSAS	ASS	CHANGE OF OWNERSHIP	PARTYTYPE : OWNER OWNER : CONVATEC TECHNOLOGIES INC., US OLDPARTY : OLD OWNER(S): E.R. SQUIBB AND SONS INC.
PT95110 A	19920630	LSPB	+	published / reissued	
PT95110 A	19920630	LSPB	+BB1A	LAYING OPEN OF PATENT APPLICATION	EFFECTIVE DATE : 19920219
PT95110 B	19980630	LSGT	+	granted / extensions (spc, cpc, pte)	
PT95110 B	19980630	LSGT	+FG3A	PATENT GRANTED, DATE OF GRANTING	EFFECTIVE DATE : 19980327
PT95110 B	20100726	LSAS	PC4A	TRANSFER OF ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONVATEC TECHNOLOGIES INC., US EFFECTIVE DATE : 20100706
PT95110 B	20130630	PEXP		Calculated Patent Term Expiry	
US5316607 A	19940531	LSGT	+	granted / extensions (spc, cpc, pte)	
US5316607 A	19940519	LSGT	PAT1	Patented Case	
US5316607 A	19940519	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5316607 A	19970922	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5316607 A	20010927	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5316607 A	20051104	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5316607 A	20080812	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : J.P. MORGAN EUROPE LIMITED, UNITED KINGDOM OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:CONVATEC INC.; REEL/FRAME:021371/0796 EFFECTIVE DATE : 20080801
US5316607 A	20080812	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : J.P. MORGAN EUROPE LIMITED,UNITED KINGDOM OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:CONVATEC INC.; REEL/FRAME:021371/0796 EFFECTIVE DATE : 20080801
US5316607 A	20080904	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : E.R. SQUIBB & SONS, LLC, NEW JERSEY OLDPARTY : CHANGE OF NAME; ASSIGNOR:E.R. SQUIBB & SONS, INC.; REEL/FRAME:021478/0253 EFFECTIVE DATE : 20000430
US5316607 A	20081121	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

					OWNER : CONVATEC TECHNOLOGIES INC., NEVADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:E.R. SQUIBB & SONS LLC; CONVATEC, INC.; REEL/FRAME:021861/0667 EFFECTIVE DATE : 20081027
US5316607 A	20081128	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONVATEC INC., NEW JERSEY OLDPARTY : RELEASE OF SECURITY INTEREST; ASSIGNOR:J.P. MORGAN EUROPE LIMITED; REEL/FRAME:021890/0786 EFFECTIVE DATE : 20081028
US5316607 A	20081128	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONVATEC INC.,NEW JERSEY OLDPARTY : RELEASE OF SECURITY INTEREST; ASSIGNOR:J.P. MORGAN EUROPE LIMITED; REEL/FRAME:021890/0786 EFFECTIVE DATE : 20081028
US5316607 A	20081201	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : J.P. MORGAN EUROPE LIMITED, UNITED KINGDOM OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:CONVATEC TECHNOLOGIES INC.; REEL/FRAME:021901/0419 EFFECTIVE DATE : 20081028
US5316607 A	20081201	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : J.P. MORGAN EUROPE LIMITED,UNITED KINGDOM OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:CONVATEC TECHNOLOGIES INC.; REEL/FRAME:021901/0419 EFFECTIVE DATE : 20081028
US5316607 A	20110104	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONVATEC TECHNOLOGIES, INC., NEVADA OLDPARTY : RELEASE OF SECURITY INTEREST AT 021901/0419; ASSIGNOR:J.P. MORGAN EUROPE LIMITED; REEL/FRAME:025580/0879 EFFECTIVE DATE : 20101223
US5316607 A	20110106	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : JPMORGAN CHASE BANK, N.A., AS COLLATERAL AGENT, TE OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:CONVATEC TECHNOLOGIES, INC.; REEL/FRAME:025591/0856 EFFECTIVE DATE : 20101222
US5316607 A	20161102	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNOMEDICAL A/S, DENMARK OLDPARTY : RELEASE BY SECURED PARTY; ASSIGNOR:JPMORGAN CHASE BANK, N.A.; REEL/FRAME:040543/0357 EFFECTIVE DATE : 20161031
US5316607 A	20161102	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONVATEC TECHNOLOGIES, INC., NEVADA OLDPARTY : RELEASE BY SECURED PARTY; ASSIGNOR:JPMORGAN CHASE BANK, N.A.; REEL/FRAME:040543/0357 EFFECTIVE DATE : 20161031
US5316607 A	20161102	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONVATEC LIMITED, UNITED KINGDOM

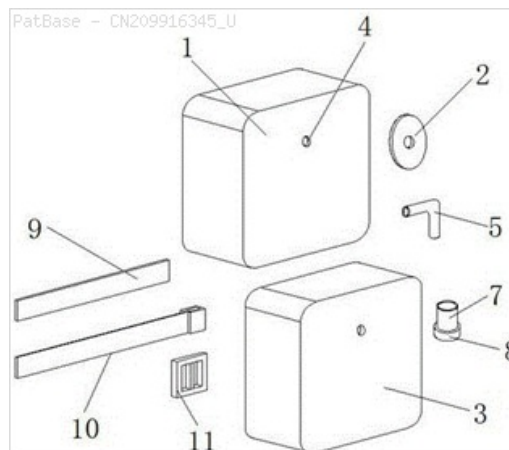
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US5316607 A	20161102	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : UNOMEDICAL LIMITED, UNITED KINGDOM OLDPARTY : RELEASE BY SECURED PARTY; ASSIGNOR:JPMORGAN CHASE BANK, N.A.; REEL/FRAME:040543/0357 EFFECTIVE DATE : 20161031
US5316607 A	20120304	PEXP		Calculated Patent Term Expiry	
ZA9006588 A	19910626	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA9006588 A	20100819	PEXP		Calculated Patent Term Expiry	

Title: An anti-reflux **ostomy** bag (Machine translation)

Abstract: Source: CN209916345U **Machine translation:** The utility model discloses an anti-reflux **ostomy** bag comprising reservoir bag, said reservoir bag is fixedly connected with the front end of the reservoir bag is fixedly connected with a water-absorbing layer, the reservoir fluid bags, adhesive tape and the absorbent layer are opened a perforation, the perforation is fixedly connected with the connecting tube and the connecting tube extending to the reservoir bag, said connecting tube is fixedly connected with a check valve, said reservoir bag is fixedly connected with a liquid outlet, said liquid outlet outer socket with a sealing cap, the reservoir fluid bags left and right ends respectively fixedly connected with the adjustment straps, said fixing band right end fixedly connected with the plastic buckle ladder. The anti-reflux the **ostomy** bag, uses the connecting tube is mounted check valve is designed to avoid reservoir bag of excrement reflux, causing wounds pollution, affecting the health of the patient, in the reservoir bag is provided inside the water-absorbing layer, having a high water absorption function, rapidly absorbed, to further reduce the possible regurgitation, and water-absorbent resin water retention performance.

Classifications:

International (IPC 8-9): A61F5/445 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN209916345 U	20200110	CN201920567767U	20190424

Priority:

CN201920567767U 20190424

Probable Assignee:

JIANGSU MEDICAL CAREER COLLEGES

Assignee(s):

JIANGSU MEDICAL CAREER COLLEGES

Legal status (INPADOC)

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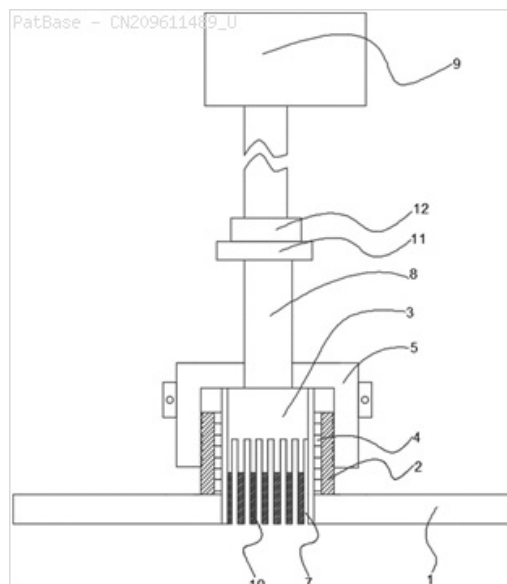
Patent	Date recorded	Event group	Code	Event	Details
CN209916345 U	20200110	LSGT	+	granted / extensions (spc, cpc, pte)	
CN209916345 U	20200110	LSGT	+GR01	PATENT GRANT	
CN209916345 U	20290424	PEXP		Calculated Patent Term Expiry	

Title: A catheter fixing device (Machine translation)

Abstract: Source: CN209611489U **Machine translation:** The utility model relates to the technical field of ostomy care, particularly to a catheter fixation paste center has a stoma, the stoma hole hole and hollow internal cavity communicating with the threaded post; stoma clamping cylinder embedded in the cavity, and the stoma clamping cylinder and the hollow between the inner wall of the threaded post is provided with cinch rubber ring; stoma holding the barrel end through a pipe in communication with the storage bag; hollow outer threaded post with the fastening lid screwed; stoma holding the barrel tip is a rubber strip, rubber strips set of circumferentially spaced. In this structure, the body surface of the catheter fixing device by tightening the rubber ring tightening force of the rubber strips clamped beam, changes in the past need to artificially notches, the subtraction to adapt to the size of the stoma hole copper, in the shearing process will be more or less cut out glitches and deviation, stimulate the skin outside; then the end of the pipeline and connected by removable storage bag, changed in the past can only be suspended in the stoma **ostomy** bag outside the status quo.

Classifications:

International (IPC 8-9): A61F5/445 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN209611489 U	20191112	CN201821412070U	20180830

Priority:

CN201821412070U 20180830

Probable Assignee: AFFILIATED HOSPITAL OF THIRD MILITARY MEDICAL UNIV CHINESE PEOPLE S LIBERATION ARMY ARMY INST OF SURGICAL FIELD

Assignee(s): AFFILIATED HOSPITAL OF THIRD MILITARY MEDICAL UNIV CHINESE PEOPLE S LIBERATION ARMY ARMY INST OF SURGICAL FIELD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN209611489 U	20191112	LSGT	+	granted / extensions (spc, cpc, pte)	
CN209611489 U	20191112	LSGT	+GR01	PATENT GRANT	
CN209611489 U	20280830	PEXP		Calculated Patent Term Expiry	

Title: DISPOSABLE ARTICLE HAVING A RESPONSIVE SYSTEM INCLUDING A MECHANICAL ACTUATOR

Abstract: Disposable articles such as diapers, incontinent briefs, diaper holders and/or inserts, training pants, feminine hygiene garments, tampons and the like having a responsive system. The article includes a sensor that detects an input and a mechanical actuator that is adapted to perform a responsive function upon bodily waste, a wearer, the article or a component or components thereof.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/42 A61F13/82 A61L15/18

A61L15/20 A61L15/24 A61L15/26 A61L15/56 G01N33/483

G01N33/487 G01N33/53 G05B11/00 (Advanced/Invention);

A61F13/15 A61F13/42 A61F13/56 A61L15/16 G01N33/483

G01N33/487 G01N33/53 (Core/Invention)

International (IPC 1-7): A61F13/15 A61F13/20 A61F13/42

CPC: A61F13/42 A61F13/495 A61F13/82 A61F2013/8473

A61F2013/8479 A61L15/18 A61L15/20 A61L15/24 A61L15/26

A61L15/56 G01N33/5308

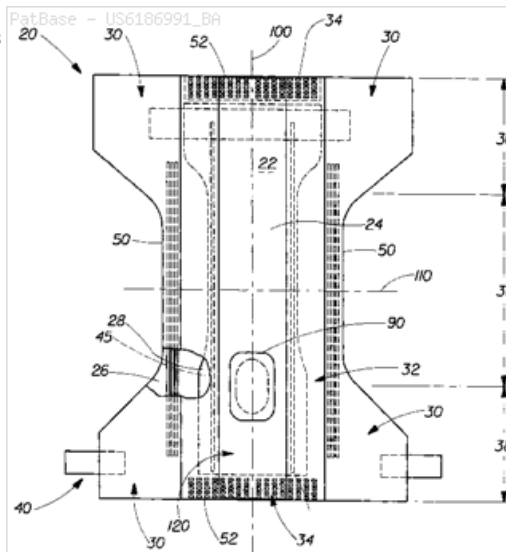
European: A61F13/42 A61F13/495 A61F13/82 A61L15/18

A61L15/20 A61L15/24 A61L15/26 A61L15/56 G01N33/483

G01N33/487B G01N33/53F K61F13/84C K61F13/84D1

US: 604/358 604/359 604/360 604/361 604/362 604/367 604/378

604/385.01 604/385.101 604/385.12



Family:

Publication number	Publication date	Application number	Application date
AR014076 AA	20010131	AR1999P103155	19990729
CL1999001434 A1	19991214	CL19990001434	19990630
PE07402000 A1	20001020	PE199900000600	19990630
PE20000740 A1	20001020	PE199900000600	19990630
TH42565 A	20010119	TH19991002373	19990629
TH51672 A	20020628	TH19991002378	19990629
TW482662 B	20020411	TW19990110979	19991201
US6186991 BA	20010213	US19980106225	19980629

Priority:

US19980106225 19980629

Probable Assignee: PROCTER AND GAMBLE CO

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

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

Inventor(s): (std): RONN KARL P ; SCHMIDT MATTIAS ; EHRNSPERGER BRUNO J ; ALLEN PATRICK J ; ROE DONALD C ; RONN KARL PATRICK ; EHRNSPERGER BRUNO JOHANNES ; ALLEN PATRICK JAY ; ROE DONALD CARROLL ; SCHMIDT MATTIAS ; RHORER BETH ANN

Inventor(s): RONN KARL PATRICK AND ; EHRNSPERGER BJ SCHMIDT M ROE DC ALLEN P J RONN KP ; ROE D C ; SCHMIDT M ; EHRNSPERGER B J ; ALLEN P ; J ; RONN KP

Agent(s): HARNECKER

Legal status (INPADOC)

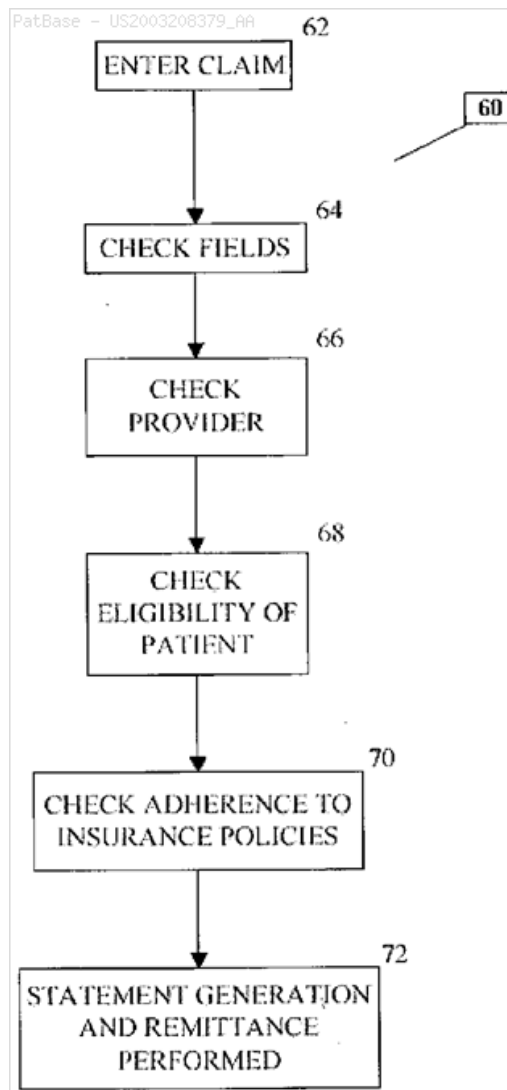
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Patent	Date recorded	Event group	Code	Event	Details
AR014076 AA	20010131	LSPB	+	published / reissued	
AR014076 AA	20050221	LSWD	-FA	ABANDONMENT OR WITHDRAWAL	
CL1999001434 A1	19991214	LSPB	+	published / reissued	
PE07402000 A1	20001020	LSPB	+	published / reissued	
PE07402000 A1	20010112	LSWD	-FX	VOLUNTARY WITHDRAWAL	
PE20000740 A1	20001020	LSPB	+	published / reissued	
TH42565 A	20010119	LSPB	+	published / reissued	
TH51672 A	20020628	LSPB	+	published / reissued	
TW482662 B	20020411	LSGT	+	granted /	

				extensions (spc, cpc, pte)		
TW482662 B	20191201	PEXP	Calculated Patent Term Expiry			
US6186991 BA	20010213	LSGT	+	granted / extensions (spc, cpc, pte)		
US6186991 BA	19981007	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PROCTER & GAMBLE COMPANY, THE, OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:ROE, DONALD C.; ALLEN, PATRICK J.; EHRNSPERGER, BRUNO J.; AND OTHERS; REEL/FRAME:009504/0806 EFFECTIVE DATE : 19980907	
US6186991 BA	20010125	LSGT	PAT1	Patented Case		
US6186991 BA	20010125	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE	
US6186991 BA	20040629	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US6186991 BA	20080701	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8	
US6186991 BA	20120725	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12	
US6186991 BA	20180629	PEXP	Calculated Patent Term Expiry (a terminal disclaimer has been filed)			

Title: CLAIMS CLINICAL CODE EDITING AND PROCEDURE MANAGEMENT TOOL

Abstract: A system, method, and user interface for performing maintenance of procedure clinical edit data and associated clinical code editing rules. The system includes a health insurance company and at least one health care provider. The health insurance company includes a computer system with a graphical user interface tool for generating a plurality of health care procedure clinical code editing rules and clinical edit data, and a component for sending at least a portion of the generated plurality of health care procedure clinical code editing rules to a recipient over a data network. The health care provider includes a computer system coupled to the data network for receiving the sent plurality of health care procedure clinical code editing rules and for presenting the received plurality of clinical code editing rules for review. The health care provider also includes a means for entering a claim for one or more performed health care procedures based on review of the plurality of clinical code editing rules.

Classifications:**International (IPC 8-9):** G06Q40/00 (Advanced/Invention)**International (IPC 1-7):** G06F17/60**CPC:** G06Q40/08 G06Q50/22**European:** G06F17/60D4 G06Q40/08 G06Q50/22**US:** 705/2 705/2P**Family:**

Publication number	Publication date	Application number	Application date
AU2003215374 AA	20030929	AU20030215374	20030221
AU2003215374 AH	20030929	AU20030215374	20030221
US2003208379 AA	20031106	US20030372026	20030221
WO03079142 A2	20030925	WO2003US05376	20030221
WO03079142 A3	20040415	WO2003US05376	20030221

Priority:

US20020358768P 20020222 US20020380407P 20020513 US20030372026 20030221
 WO2003US05376 20030221

Probable Assignee: REGENCE GROUP**Assignee(s):** (std): REGENCE GROUP

Assignee(s): THE REGENCE GROUP ; TURNER SHERYL D ; RUSCHE JOHN ; SCHULZ PATRICIA A ; QUESENBERRY GINA G ; RASMUSSEN DALE K ; PANATTONI MARCIA J ; AGUILA HOPE C ; BANN BECKY L ; BOGEN BONITA K ; HASKEY ROBERT S ; KENYON DIANE P ; MAYHUGH TED R

Inventor(s): (std): HASKEY ROBERT S M D ; MAYHUGH TED R ; RASMUSSEN DALE K ; TURNER SHERYL D ; KENYON DIANE P ; BANN REBECCA L ; SCHULZ PATRICIA A ; BOGEN BONITA K ; AGUILA HOPE C ; RUSCHE JOHN M D ; QUESENBERRY GINA G ; PANATTONI MARCIA J ; HASKEY ROBERT S ; BANN BECKY L ; RUSCHE JOHN

Inventor(s): ROBERT S ; TED R MAYHUGH ; DALE K RASMUSSEN ; SHERYL D TURNER ; DIANE P KENYON ; REBECCA L BANN ; PATRICIA A SCHULZ ; BONITA K BOGEN ; HOPE C AGUILA ; JOHN MD RUSCHE ; GINA G QUESENBERRY ; MARCIA J PANATTONI ; RUSCHE JOHN MD ; ROBERT S MD HASKEY ; JOHN M D RUSCHE ; ROBERT S M D HASKEY ; HASKEY ROBERT S MD

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 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

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Patent	Date recorded	Event group	Code	Event	Details
AU2003215374 AA	20030929	LSPB	+	published / reissued	
AU2003215374 AA	20041111	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2) (F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
US2003208379 AA	20031106	LSPB	+	published / reissued	
US2003208379 AA	20070625	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
WO03079142 A2	20030925	LSPB	+	published / reissued	
WO03079142 A3	20050413	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO
WO03079142 A3	20060616	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP
WO03079142 A3	20060616	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : JP

Title: FAJA PERFECCIONADA APLICABLE EN ENFERMOS OPERADOS DE COLOSTOMIA.

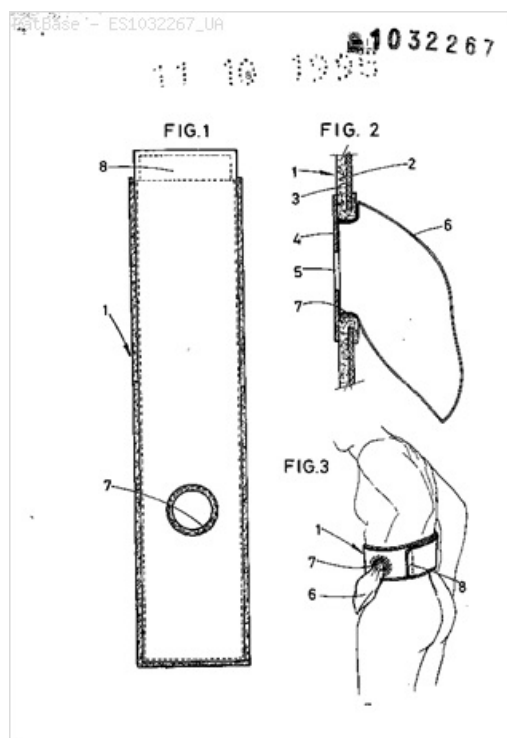
Abstract: Source: ES1032267U [ES] 1. FAJA PERFECCIONADA APLICABLE EN ENFERMOS OPERADOS DE COLOSTOMIA, QUE UTILIZAN UN DISPOSITIVO DEL TIPO QUE COMPRENDE UN APOSITO ANULAR FLEXIBLE Y AUTOADHESIVO PARA SU FIJACION A LA PIEL, QUE INCLUYE UN ARO DE CONEXION PARA LA EMBOCADURA DE UNA BOLSA COLECTORA DE HECES, CARACTERIZADA ESENCIALMENTE POR PRESENTAR EN UNA ZONA ADECUADA DE LA SUPERFICIE DE LA FAJA, UN ORIFICIO QUE PERMITE EL PASO A SU TRAVES DE LA BOLSA COLECTORA, LA CUAL QUEDA EXTERIOR A LA FAJA, EN LA POSICION FUNCIONAL DE ESTA, Y LIBRE DE LA PRESION EJERCIDA POR DICHA FAJA, EN CONDICIONES DE RECIBIR LAS HECES. **Machine translation:** 1. Gaze perfected applicable in patients operated of **colostomy**, USING A DEVICE OF THE TYPE COMPRISING A FLEXIBLE ANNULAR DRESSING AND ADHESIVE FOR ATTACHMENT TO THE SKIN, INCLUDING A CONNECTION RING FOR THE MOUTH OF A FECES COLLECTION BAG, characterized essentially by presenting IN A SUITABLE AREA OF THE SURFACE OF THE STRIP, A HOLE THAT ALLOWS THE PASSAGE THERETHROUGH OF THE BAG, WHICH IS EXTERIOR TO THE GAZA STRIP, IN THE FUNCTIONAL POSITION, AND FREE FROM THE PRESSURE EXERTED BY SAID STRIP, IN A POSITION TO RECEIVE THE feces.

Classifications:

International (IPC 8-9): A61F5/44 (Advanced/Invention);

A61F5/44 (Core/Invention)

International (IPC 1-7): A61F5/44



Family:

Publication number	Publication date	Application number	Application date
ES1032267 UA	19960416	ES19950002603U	19951011
ES1032267 Y1	19960916	ES19950002603U	19951011
ES1032267 YA	19960916	ES19950002603U	19951011

Priority:

ES19950002603U 19951011

Probable Assignee:

CONCORD IBERICA S L

Assignee(s): (std):

CONCORD IBERICA S L

Assignee(s):

CONCORD IBERICA SL

Inventor(s): (std):

JUNCOSA FREIXA JOAQUIN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
ES1032267 UA	19960416	LSPB	+	published / reissued	
ES1032267 Y1	19960916	LSGT	+	granted / extensions (spc, cpc, pte)	
ES1032267 Y1	20010116	LSLE	-FD1K	UTILITY MODEL LAPSED	EFFECTIVE DATE : 20001102
ES1032267 Y1	20051011	PEXP		Calculated Patent Term Expiry	
ES1032267 YA	19960916	LSGT	+	granted / extensions (spc, cpc, pte)	
ES1032267 YA	20051011	PEXP		Calculated Patent Term Expiry	

Title: POLYGLYCOLIC ACID-BASED FILM

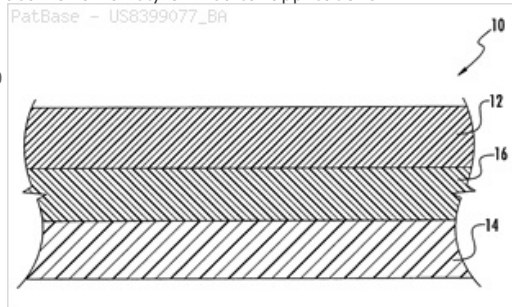
Abstract: A film is provided, and in particular, a film having at least one gas barrier layer that comprises a noise-dampening polymer resin and of a polyglycolic acid resin. The polyglycolic-based films provide excellent gas barrier properties while maintaining a desirable level of softness and low noise making them ideal for a variety of medical applications.

Classifications:

International (IPC 8-9): A61B19/00 A61F5/441 A61F5/445 A61J1/10 B29D22/00 B32B1/08 B32B27/00 B32B27/28 B32B27/30 B32B27/32 B32B27/36 B32B33/00 B32B7/02 B65D65/40 C08L101/12 C08L23/00 C08L23/08 C08L23/26 C08L31/04 C08L67/04 (Advanced/Invention)

CPC: A61F5/44 A61J1/1468 B32B27/306 B32B27/308 B32B27/36 B32B2250/03 B32B2250/24 B32B2250/40 B32B2250/42 B32B2270/00 B32B2307/7244 B32B2439/06 B32B2439/80 C08L23/0853 C08L51/06 Y10T428/1334 Y10T428/1341 Y10T428/1352

US: 428/35.2 428/35.4 428/35.7



Family:

Publication number	Publication date	Application number	Application date
CA2856120 AA	20140515	CA20122856120	20121120
EP2782531 A2	20141001	EP20120795702	20121120
JP2015504382 T2	20150212	JP20140542567T	20121120
JP6230542 B2	20171115	JP20140542567T	20121120
US8399077 BA	20130319	US20110301170	20111121
WO13078174 A2	20130530	WO2012US66009	20121120
WO13078174 A3	20130718	WO2012US66009	20121120

Priority:

US20110301170 20111121 WO2012US66009 20121120

Probable Assignee: CRYOVAC INC

Assignee(s): (std): BEKELE SOLOMON ; CRYOVAC INC

Assignee(s): CRYOVAC INCPST OFFICE BOX 464100 ROGERS BRIDGE ROAD DUNCAN SC 29334 US

Inventor(s): (std): BEKELE SOLOMON

Inventor(s): BEKELE SOLOMONUS

Agent(s): SMART AND BIGGAR; JACKSON MARTIN PETER; KAWAGUTI AND PARTNERS; ALSTON AND BIRD LLP; WILSON ASHLEY D ET AL

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CA2856120 AA	20140515	LSPB	+	published / reissued	
CA2856120 AA	20140711	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20140515
CA2856120 AA	20190911	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20190731
EP2782531 A2	20141001	LSPB	+	published / reissued	
EP2782531 A2	20141001	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140617
EP2782531 A2	20160302	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20160202
EP2782531 A2	20191106	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20190601
JP2015504382 T2	20150212	LSPB	+	published / reissued	
JP2015504382 T2	20151119	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20151119
JP2015504382 T2	20160913	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160913

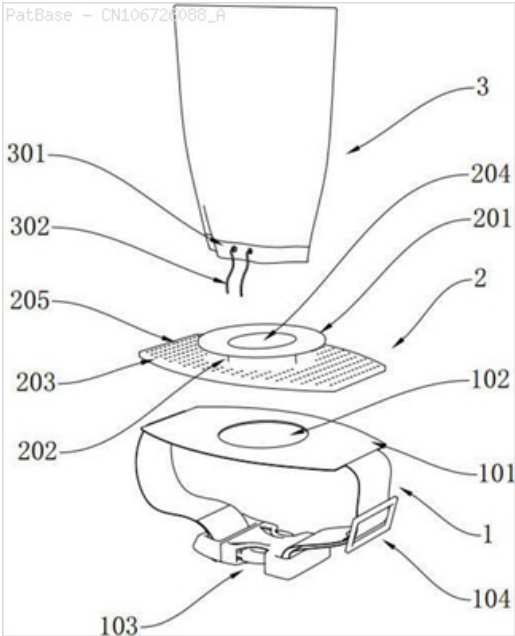
JP2015504382 T2	20170313	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20170313
JP2015504382 T2	20170606	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20170606
JP2015504382 T2	20170829	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20170829
JP2015504382 T2	20170919	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2015504382 T2	20170926	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20170926
JP2015504382 T2	20171026	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20171017
JP2015504382 T2	20171027	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6230542 COUNTRY OF REF DOCUMENT : JP
JP6230542 B2	20171115	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6230542 B2	20170928	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6230542 B2	20171024	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6230542 B2	20171027	LSGT	+R150	特許証 (Patent certificate)	
JP6230542 B2	20321120	PEXP		Calculated Patent Term Expiry	
US8399077 BA	20130319	LSGT	+	granted / extensions (spc, cpc, pte)	
US8399077 BA	20120201	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CRYOVAC, INC., SOUTH CAROLINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:BEKELE, SOLOMON; REEL/FRAME:027632/0993 EFFECTIVE DATE : 20111128
US8399077 BA	20121119	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CRYOVAC, INC., SOUTH CAROLINA OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE EXPUNGE THE PREVIOUS ASSIGNMENT FROM APP. NO. 13/301,701 AND FILE UNDER CORRECT APP. NO. 13/301,170 PREVIOUSLY RECORDED ON REEL 027632 FRAME 0993. ASSIGNOR(S) HEREBY CONFIRMS THE CORRECT APP. NO. IS 13/301,170 AND SHOULD BE EXPUNGED FROM APP. NO. 13/301,701 THAT IT WAS ORIGINALLY FILED IN; ASSIGNOR:BEKELE, SOLOMON; REEL/FRAME:029324/0919 EFFECTIVE DATE : 20111128
US8399077 BA	20130227	LSGT	PAT1	Patented Case	
US8399077 BA	20130227	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US8399077 BA	20130709	LSRE	CC	CERTIFICATE OF CORRECTION	

US8399077 BA	20160919	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8399077 BA	20311124	PEXP		Calculated Patent Term Expiry (PTA 3 days)	
WO13078174 A2	20130530	LSPB	+	published / reissued	
WO13078174 A3	20140515	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2856120 COUNTRY OF REF DOCUMENT : CA
WO13078174 A3	20140520	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2014542567 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO13078174 A3	20140617	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2012795702 COUNTRY OF REF DOCUMENT : EP

Title: STOMA BAG FOR EFFECTIVELY TREATING AND PREVENTING PARASTOMAL HERNIA

Abstract: The invention discloses a stoma bag for effectively treating and preventing parastomal hernia, and belongs to the field of stoma bags. The stoma bag comprises a belt, a fixed fitting part and an excrement storage bag, a fixing strap is arranged on the belt, a first through hole is formed in the fixing strap, the fixed fitting part comprises a disk, a transition part and a medical silica gel plate, the disk is fixedly connected with the medical silica gel plate through the transition part, a second through hole is formed in the fixed fitting part, the medical silica gel plate is clamped at the first through hole, a third through hole is formed in the medical silica gel plate, and an opening of the excrement storage bag is fixedly connected to the transition part. Particularly, the stoma bag which is simple in structure, convenient to wear, replace and clean and low in cost is designed based on the occurrence mechanism and manifestation of the parastomal hernia. The requirement of a colostomy patient for daily stoma care can be met, occurrence of the parastomal hernia can be effectively reduced, the parastomal hernia can be effectively treated, and the stoma bag is of great importance for improving the living quality of the colostomy patient.

Classifications:
International (IPC 8-9): A61F5/445 (Advanced/Invention)
CPC: A61F5/445 A61F2005/4483



Family:

Publication number	Publication date	Application number	Application date
CN106726088 A	20170531	CN201611176077	20161219

Priority:

CN201611176077 20161219

Probable Assignee: PAN KE
Assignee(s): (std): PAN KE
Assignee(s): PANCO
Inventor(s): (std): PAN KE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN106726088 A	20170531	LSPB	+	published / reissued	
CN106726088 A	20170531	LSPB	PB01	PUBLICATION	

Title: NON-STATIC SUSPENSION CULTURE OF CELL AGGREGATES**Abstract:** The invention is directed to compositions of cell aggregates and methods for making and using the cell aggregates where the aggregates comprise cells that are not embryonic stem cells but can differentiate into cell types of at least two of ectodermal, endodermal, and mesodermal embryonic germ layers, e.g., stem cells.**Classifications:****International (IPC 8-9):** C12N C12N15/00 C12N5/00 C12N5/02 C12N5/07 C12N5/071 C12N5/0735 C12N5/074 C12N5/077

C12N5/0775 (Advanced/Invention);

C12N5/071 C12N5/0735 C12N5/074 C12N5/0775

C12N5/095 (Advanced/Non-invention);

C12N (Subclass/Invention)

CPC: C12N2500/02 C12N2513/00 C12N5/0606 C12N5/0662

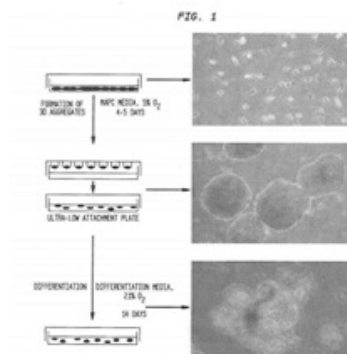
C12N5/0692 C12N5/0695 C12N5/0696 C12N2501/602

C12N2501/603 C12N2502/02 C12N5/0607

European: C12N5/06B3 M12N500/02**US:** 1/1 435/325 435/325P 435/383

PatBase - US2012052568_AA

Patent Application Publication Mar. 8, 2012 Sheet 1 of 25 US 2012/0052568 A1

**Family:**

Publication number	Publication date	Application number	Application date
AU2011293440 AA	20120301	AU20110293440	20110824
AU2011293440 BB	20160505	AU20110293440	20110824
AU2016206283 AA	20160811	AU20160206283	20160720
AU2016206283 BB	20170420	AU20160206283	20160720
CA2809245 AA	20130222	CA20112809245	20110824
CN103237886 A	20130807	CN201180051144	20110824
CN103237886 B	20181030	CN201180051144	20110824
DE602011043647 D1	20180104	DE201160043647T	20110824
EP2609191 A1	20130703	EP20110820597	20110824
EP2609191 A4	20140430	EP20110820597	20110824
EP2609191 B1	20171122	EP20110820597	20110824
HK1180719 A1	20131025	HK20130107868	20130705
HK1180719 B	20180518	HK20130107868	20130705
IL224775 A0	20130430	IL20110224775	20110824
IL224775 A1	20171130	IL20110224775	20110824
IN02177CN2013 A	20141205	IN2013CN02177	20130319
SG10201506664T A1	20151029	SG20151006664	20110824
SG188280 A1	20130430	SG20130013529	20110824
US2012052568 AA	20120301	US20110217052	20110824
US2014024116 AA	20140123	US20130957987	20130802
US8609406 BB	20131217	US20110217052	20110824
US9447380 BB	20160920	US20130957987	20130802
WO12027474 A1	20120301	WO2011US48972	20110824

Priority:

US20100376508P	20100824	AU20110293440	20110824	US20110217052	20110824
EP20110820597	20110824	WO2011US48972	20110824	US20130957987	20130802
AU20160206283	20160720				

Probable Assignee: OF MINNESOTA UNIV**Assignee(s):** (std): HU WEI SHOU ; KATHOLIEKE UNIV LEUVEN ; UNIV MINNESOTA ; UNIV LEUVEN KATH ; UNIV MINNESOTA ; PARK YONSIL ; SUBRAMANIAN KARTIK ; VERFAILLIE CATHERINE M ; UNIV OF MINNESOTA**Assignee(s):** KATHOLIEKE UNIVERSITEIT LEUVEN ; MINNESOTA UNIV ; OF MINNESOTA MINNEAPOLIS UNIV ; OF MINNESOTA UNIV ; REGENTS OF THE UNIVERSITY OF MINNESOTA ; OF MINNESOTA UNIV ; REGENTS OF THE UNIVERSITY OF MINNESOTA**Inventor(s):** (std): HU WEI SHOU ; PARK YONSIL ; SUBRAMANIAN KARTIK ; VERFAILLIE CATHERINE M ; PARK YON SIL ; HU WEISHUO**Inventor(s):** SUBRAMANIAN KARTIK NORTHBOROUGH ; HU WEI SHOU FALCON HEIGHTS**Agent(s):** PETER MAXWELL AND ASSOCIATES; MAXWELLS PATENT AND TRADE MARK ATTORNEYS PTY LTD; GOWLING LAFLEUR HENDERSON LLP; GILBERTS LLP; CORNISH KRISTINA VICTORIA JOY; BIRD AND BIRD; LUZZATTO AND LUZZATTO; DREW AND NAPIER LLC; TAROLLI SUNDHEIM COVELL AND TUMMINO LLP; BROWN ANNE**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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2011293440 AA	20120301	LSPB	+	published / reissued	
AU2011293440 BB	20160505	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011293440 BB	20160901	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011293440 BB	20310824	PEXP		Calculated Patent Term Expiry	
AU2016206283 AA	20160811	LSPB	+	published / reissued	
AU2016206283 AA	20170817	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2016206283 BB	20170420	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2016206283 BB	20360720	PEXP		Calculated Patent Term Expiry	
CA2809245 AA	20130222	LSPB	+	published / reissued	
CA2809245 AA	20160830	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160824
CN103237886 A	20130807	LSPB	+	published / reissued	
CN103237886 A	20130807	LSPB	+C06	PUBLICATION	
CN103237886 B	20181030	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103237886 B	20181030	LSGT	+GR01	PATENT GRANT	
CN103237886 B	20310824	PEXP		Calculated Patent Term Expiry	
EP2609191 A1	20130703	LSPB	+	published / reissued	
EP2609191 A1	20130703	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20130321
EP2609191 A4	20140430	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20140327
EP2609191 A4	20150318	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20150211
EP2609191 A4	20170607	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20170512
EP2609191 A4	20171004	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : KATHOLIEKE UNIVERSITEIT LEUVEN
EP2609191 A4	20171004	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : REGENTS OF THE UNIVERSITY OF MINNESOTA
EP2609191 A4	20171115	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20171012
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EP2609191 B1	20171122	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2609191 B1	20171130	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP

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EP2609191 B1	20180430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20171122
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EP2609191 B1	20180518	LSGT	REG	REFERENCE TO A	REF COUNTRY CODE : HK

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EP2609191 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180222
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EP2609191 B1	20180823	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602011043647 COUNTRY OF REF DOCUMENT : DE
EP2609191 B1	20180827	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
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HK1180719 A1	20131025	LSPB	+	published / reissued	
HK1180719 B	20180518	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1180719 B	20330705	PEXP		Calculated Patent Term Expiry	
IL224775 A1	20171130	LSPB	+	published / reissued	
IL224775 A1	20180329	LSGT	+FF	PATENT GRANTED	
IL224775 A1	20180531	LSFE	+KB	PATENT RENEWED	
IN02177CN2013 A	20141205	LSPB	+	published / reissued	
SG10201506664T A1	20151029	LSPB	+	published / reissued	
SG188280 A1	20130430	LSPB	+	published / reissued	
US2012052568 AA	20120301	LSPB	+	published / reissued	

US2012052568 AA	20131126	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2014024116 AA	20140123	LSPB	+	published / reissued	
US2014024116 AA	20160831	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US8609406 BB	20131217	LSGT	+	granted / extensions (spc, cpc, pte)	
US8609406 BB	20111122	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : REGENTS OF THE UNIVERSITY OF MINNESOTA, MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SUBRAMANIAN, KARTIK; PARK, YONSIL; HU, WEI-SHOU; SIGNING DATES FROM 20111003 TO 20111012; REEL/FRAME:027268/0425
US8609406 BB	20111122	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KATHOLIEKE UNIVERSITEIT LEUVEN, BELGIUM OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:VERFAILLIE, CATHERINE M.; REEL/FRAME:027269/0347 EFFECTIVE DATE : 20111005
US8609406 BB	20131126	LSGT	PAT1	Patented Case	
US8609406 BB	20170619	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8609406 BB	20310824	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9447380 BB	20160920	LSGT	+	granted / extensions (spc, cpc, pte)	
US9447380 BB	20150724	LSES	NFA1	Non Final Action Mailed	
US9447380 BB	20160831	LSGT	PAT1	Patented Case	
US9447380 BB	20330802	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
WO12027474 A1	20120301	LSPB	+	published / reissued	
WO12027474 A1	20130222	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2809245 COUNTRY OF REF DOCUMENT : CA
WO12027474 A1	20130225	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO12027474 A1	20130314	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011293440 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110824 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12027474 A1	20130321	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011820597 COUNTRY OF REF DOCUMENT : EP

Title: ARTICLE OR COMPONENT OF A MEDICAL AND TECHNICAL NATURE FOR AFFIXING A MEDICAL ARTICLE OR PART THEREOF TO SKIN, PROVIDED WITH A RELEASABLE PROTECTION LAYER

Abstract: An article (1) of a medical and technical nature intended to be affixed to skin, or a component for affixing a medical article or part thereof to skin, which article or component comprises a layer of carrier material (2) that has a layer (3) of a soft skin-friendly adhesive on one side, and a protection layer (4) that protects the adhesive layer before use of the article or component and is affixed to the adhesive layer in such a way that it is releasable. According to the invention, the protection layer (4) is provided with a pattern of projections (6) on the side facing towards the adhesive layer (3) and a reinforcing layer (5) is arranged on the layer of carrier material (2), on the opposite side to the side that has the layer of soft skin-friendly adhesive, in such a way that it can be removed.

Classifications:

International (IPC 8-9): A61F13/02 A61L15/26 A61M5/32 B32B27/08 B32B27/10 B32B27/32 B32B27/40 B32B29/00 B32B3/30 B32B7/02 B32B7/04 B32B7/06 B32B7/12 C09J201/00 C09J7/02 (Advanced/Invention);

A61F13/02 A61L15/26 A61L15/58 B32B27/08 B32B3/28 B32B7/10 (Advanced/Non-invention);

A61F13/02 A61L15/16 A61M5/32 B32B27/08 B32B3/30 C09J201/00 C09J7/02 (Core/Invention);

A61L15/16 (Core/Non-invention);

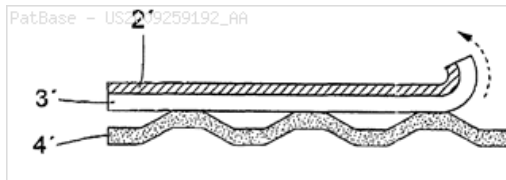
A61F A61L B32B C09J (Subclass/Invention)

International (IPC 1-7): A61F13/02

CPC: A61F13/02 A61L15/26 C09J7/20 A61F13/023 A61F13/0269 B32B3/30 B32B7/06 B32B7/12 B32B27/08 B32B27/10 B32B27/32 B32B27/40 B32B29/002 B32B2255/12 B32B2255/26 B32B2307/748 B32B2556/00 Y10T428/14 Y10T428/1452 Y10T428/1471 Y10T428/23 Y10T428/239 Y10T428/24479 Y10T428/24562 Y10T428/24612 Y10T428/26 Y10T428/266 Y10T428/269 Y10T428/28 Y10T428/2848 Y10T428/2852

European: A61F13/02 A61F13/02C A61F13/02F A61L15/26 B32B27/06 B32B27/08 B32B3/30 B32B7/12 C09J7/02

US: 428/156 428/166 428/172 428/332 428/337 428/339 428/343 428/354 428/355R 428/40.1 428/41.3 428/41.7 428/68 428/76 602/54 602/55 602/57 602/58 604/180 604/180P



Family:

Publication number	Publication date	Application number	Application date
AU2007235708 AA	20071018	AU20070235708	20070314
AU2007235708 BB	20120524	AU20070235708	20070314
BRPI0710143 A2	20110802	BR2007PI10143	20070314
BRPI0710143 B1	20180515	BR2007PI10143	20070314
CA2649080 AA	20081010	CA20072649080	20070314
CA2649080 C	20141028	CA20072649080	20070314
CN101437479 A	20090520	CN200780013001	20070314
CN101437479 B	20120718	CN200780013001	20070314
DE602007038810 D1	20141120	DE200760038810T	20070314
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EP2004117 A4	20130619	EP20070716118	20070314
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ES2525760 T3	20141230	ES20070716118T	20070314
IN07816DN2008 A	20081031	IN2008DN07816	20080917
JP2009533134 T2	20090917	JP20090505328T	20070314
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KR101367168 B1	20140314	KR20087027530	20070314
KR20080109917 A	20081217	KR20087027530	20070314
MX2008011683 A1	20090210	MX20080011683	20070314
NO20084067 A	20080925	NO20080004067	20080925
NO20084067 L	20080925	NO20080004067	20080925
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RU2008140319 A	20100420	RU20080140319	20070314
RU2428157 C2	20110910	RU20080140319	20070314
SE2006000808 A	20071012	SE20060000808	20060411
SE2006000808 L	20071012	SE20060000808	20060411
SE529813 C2	20071127	SE20060000808	20060411
US2009259192 AA	20091015	US20070296314	20070314
US8530022 BB	20130910	US20070296314	20070314
WO07117208 A1	20071018	WO2007SE50149	20070314
ZA200807685 A	20090624	ZA20080007685	20080905

Priority:

SE20060000808 20060411 EP20070716118 20070314 WO2007SE50149 20070314

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Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; FETHERSTONHAUGH AND CO; HYLTER JAN OLOF ET AL; BOERLIN MARIA; MILTENYI PETER; YOUNG AND THOMPSON; BALLARD SPAHR LLP

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Legal status (INPADOC)[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
AU2007235708 AA	20071018	LSPB	+	published / reissued	
AU2007235708 BB	20120524	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2007235708 BB	20120920	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2007235708 BB	20270314	PEXP		Calculated Patent Term Expiry	
BRPI0710143 A2	20171017	LSSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0710143 A2	20180403	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0710143 A2	20180515	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	
BRPI0710143 B1	20270314	PEXP		Calculated Patent Term Expiry	
CA2649080 AA	20081010	LSPB	+	published / reissued	
CA2649080 AA	20120216	LSSES	+EEER	EXAMINATION REQUEST	
CA2649080 C	20141028	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2649080 C	20270314	PEXP		Calculated Patent Term Expiry	
CN101437479 A	20090520	LSPB	+	published / reissued	
CN101437479 A	20090520	LSPB	+C06	PUBLICATION	
CN101437479 B	20120718	LSGT	+	granted / extensions (spc, cpc, pte)	
CN101437479 B	20120718	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN101437479 B	20270314	PEXP		Calculated Patent Term Expiry	
EP2004117 A1	20081224	LSPB	+	published / reissued	
EP2004117 A1	20081224	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20080901
EP2004117 A1	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160310 YEAR OF FEE PAYMENT : 10
EP2004117 A1	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160311 YEAR OF FEE PAYMENT : 10
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					COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20141230
EP2004117 B1	20150325	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2004117 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150209
EP2004117 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141008
EP2004117 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150208
EP2004117 B1	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141008
EP2004117 B1	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150109
EP2004117 B1	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141008
EP2004117 B1	20150709	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602007038810 COUNTRY OF REF DOCUMENT : DE
EP2004117 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141008
EP2004117 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141008
EP2004117 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141008

EP2004117 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141008
EP2004117 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141008
EP2004117 B1	20150916	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20150709
EP2004117 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150314
EP2004117 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141008
EP2004117 B1	20160113	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2004117 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150314
EP2004117 B1	20160208	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 10
EP2004117 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141008
EP2004117 B1	20161230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141008
EP2004117 B1	20170213	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 11
EP2004117 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170307 YEAR OF FEE PAYMENT : 11
EP2004117 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170213 YEAR OF FEE PAYMENT : 11
EP2004117 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20170309 YEAR OF FEE PAYMENT : 11

EP2004117 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20170313 YEAR OF FEE PAYMENT : 11
EP2004117 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170314 YEAR OF FEE PAYMENT : 11
EP2004117 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20170320 YEAR OF FEE PAYMENT : 11
EP2004117 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141008
EP2004117 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATION OF LAPSE : 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 : 20070314
EP2004117 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20170214 YEAR OF FEE PAYMENT : 11
EP2004117 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20170213 YEAR OF FEE PAYMENT : 11
EP2004117 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20170227 YEAR OF FEE PAYMENT : 11
EP2004117 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170308 YEAR OF FEE PAYMENT : 11
EP2004117 B1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170320 YEAR OF FEE PAYMENT : 11
EP2004117 B1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170214 YEAR OF FEE PAYMENT : 11
EP2004117 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20141008
EP2004117 B1	20180226	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 12
EP2004117 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20180314 YEAR OF FEE PAYMENT : 12
EP2004117 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180227 YEAR OF FEE PAYMENT : 12

				FROM NATIONAL OFFICE TO EPO]	
EP2004117 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180314 YEAR OF FEE PAYMENT : 12
EP2004117 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20180312 YEAR OF FEE PAYMENT : 12
EP2004117 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20180314 YEAR OF FEE PAYMENT : 12
EP2004117 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20180321 YEAR OF FEE PAYMENT : 12
EP2004117 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20180226 YEAR OF FEE PAYMENT : 12
EP2004117 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20180313 YEAR OF FEE PAYMENT : 12
EP2004117 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20180214 YEAR OF FEE PAYMENT : 12
EP2004117 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20180212 YEAR OF FEE PAYMENT : 12
EP2004117 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180226 YEAR OF FEE PAYMENT : 12
EP2004117 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20180402 YEAR OF FEE PAYMENT : 12
EP2004117 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20190212 YEAR OF FEE PAYMENT : 13
EP2004117 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20190314 YEAR OF FEE PAYMENT : 13
EP2004117 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20190313 YEAR OF FEE PAYMENT : 13
EP2004117 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20190311 YEAR OF FEE PAYMENT : 13
EP2004117 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20190226 YEAR OF FEE PAYMENT : 13
EP2004117 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT

				TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	PAYMENT DATE : 20190326 YEAR OF FEE PAYMENT : 13
EP2004117 B1	20190531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20190215 YEAR OF FEE PAYMENT : 13
EP2004117 B1	20190531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20190226 YEAR OF FEE PAYMENT : 13
EP2004117 B1	20190531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20190311 YEAR OF FEE PAYMENT : 13
EP2004117 B1	20190531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20190313 YEAR OF FEE PAYMENT : 13
EP2004117 B1	20190531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20190226 YEAR OF FEE PAYMENT : 13
EP2004117 B1	20190531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20190226 YEAR OF FEE PAYMENT : 13
EP2004117 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20190401 YEAR OF FEE PAYMENT : 13
EP2004117 B1	20270314	PEXP		Calculated Patent Term Expiry	
ES2525760 T3	20141230	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2525760 T3	20270314	PEXP		Calculated Patent Term Expiry	
IN07816DN2008 A	20081031	LSPB	+	published / reissued	
JP2009533134 T2	20090917	LSPB	+	published / reissued	
JP2009533134 T2	20100224	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20100223
JP2009533134 T2	20110316	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20110315
JP2009533134 T2	20110909	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20110908
JP2009533134 T2	20120306	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2009533134 T2	20120314	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20120313
JP2009533134 T2	20120315	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2009533134 T2	20120405	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20120329

JP2009533134 T2	20120406	LSGT	+R150	PROCEDURE) CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2009533134 T2	20120409	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4965644 B2	20120704	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4965644 B2	20120403	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP4965644 B2	20150402	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4965644 B2	20150407	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4965644 B2	20160407	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4965644 B2	20160412	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4965644 B2	20170330	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4965644 B2	20170404	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4965644 B2	20180329	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4965644 B2	20180403	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4965644 B2	20190328	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP4965644 B2	20190402	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4965644 B2	20270314	PEXP		Calculated Patent Term Expiry	
KR101367168 B1	20140314	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101367168 B1	20170126	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20170126 YEAR OF FEE PAYMENT : 4
KR101367168 B1	20180124	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20180124 YEAR OF FEE PAYMENT : 5
KR101367168 B1	20190123	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20190123 YEAR OF FEE PAYMENT : 6
KR101367168 B1	20270314	PEXP		Calculated Patent Term Expiry	
KR20080109917 A	20081217	LSPB	+	published / reissued	
KR20080109917 A	20120307	LSES	A201	REQUEST FOR EXAMINATION	
KR20080109917 A	20130604	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20080109917 A	20140129	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20080109917 A	20140219	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
MX2008011683 A1	20090210	LSPB	+	published / reissued	
MX2008011683 A1	20130104	LSGT	+FG	GRANT OR REGISTRATION	

NO20084067 A	20080925	LSPB	+	published / reissued	
NO20084067 A	20160822	LSRV	-FC2A	WITHDRAWAL, REJECTION OR DISMISSAL OF LAID OPEN PATENT APPLICATION	
PL2004117 T3	20150331	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2008140319 A	20100420	LSPB	+	published / reissued	
RU2428157 C2	20110910	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2428157 C2	20270314	PEXP		Calculated Patent Term Expiry	
SE200600808 A	20071012	LSPB	+	published / reissued	
SE529813 C2	20071127	LSGT	+	granted / extensions (spc, cpc, pte)	
SE529813 C2	20260411	PEXP		Calculated Patent Term Expiry	
US2009259192 AA	20091015	LSPB	+	published / reissued	
US2009259192 AA	20130821	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US8530022 BB	20130910	LSGT	+	granted / extensions (spc, cpc, pte)	
US8530022 BB	20081209	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MOINLYCKE HEALTH CARE AB, SWEDEN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FABO, TOMAS; SVENSBY, ANNA; JOHANNISON, ULF; AND OTHERS; REEL/FRAME:021948/0257; SIGNING DATES FROM 20081030 TO 20081105
US8530022 BB	20081209	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MOINLYCKE HEALTH CARE AB, SWEDEN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FABO, TOMAS; SVENSBY, ANNA; JOHANNISON, ULF; AND OTHERS; SIGNING DATES FROM 20081030 TO 20081105; REEL/FRAME:021948/0257
US8530022 BB	20130821	LSGT	PAT1	Patented Case	
US8530022 BB	20150915	LSRE	CC	CERTIFICATE OF CORRECTION	
US8530022 BB	20170222	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8530022 BB	20280804	PEXP		Calculated Patent Term Expiry (PTA 509 days)	
WO07117208 A1	20071018	LSPB	+	published / reissued	
WO07117208 A1	20080901	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007716118 COUNTRY OF REF DOCUMENT : EP
WO07117208 A1	20080905	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007235708 COUNTRY OF REF DOCUMENT : AU
WO07117208 A1	20080912	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2008/011683 COUNTRY OF REF DOCUMENT : MX
WO07117208 A1	20080917	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 7816/DELNP/2008 COUNTRY OF REF DOCUMENT : IN
WO07117208 A1	20081002	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE	REF DOCUMENT NUMBER : 2007235708

				IN:	COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20070314 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO07117208 A1	20081007	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 12296314 COUNTRY OF REF DOCUMENT : US
WO07117208 A1	20081010	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2008140319 COUNTRY OF REF DOCUMENT : RU KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO07117208 A1	20081010	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2009505328 COUNTRY OF REF DOCUMENT : JP
WO07117208 A1	20081010	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200780013001.8 COUNTRY OF REF DOCUMENT : CN
WO07117208 A1	20081010	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2649080 COUNTRY OF REF DOCUMENT : CA
WO07117208 A1	20081014	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO07117208 A1	20081110	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020087027530 COUNTRY OF REF DOCUMENT : KR
WO07117208 A1	20110802	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0710143 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20081010
ZA200807685 A	20090624	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA200807685 A	20280904	PEXP		Calculated Patent Term Expiry	

Title: Positioning implement for **colostomy** bags has tube fitting around stoma opening and connected to emission collector

Abstract: The positioning implement for a **colostomy** bag (9) mounting ring has a hollow tube (10) with an annular opening (11) to be applied against the stoma area. A collector is provided to receive stoma emissions in the hollow tube prior to positioning the bag. The collector can have a block of absorbent material.

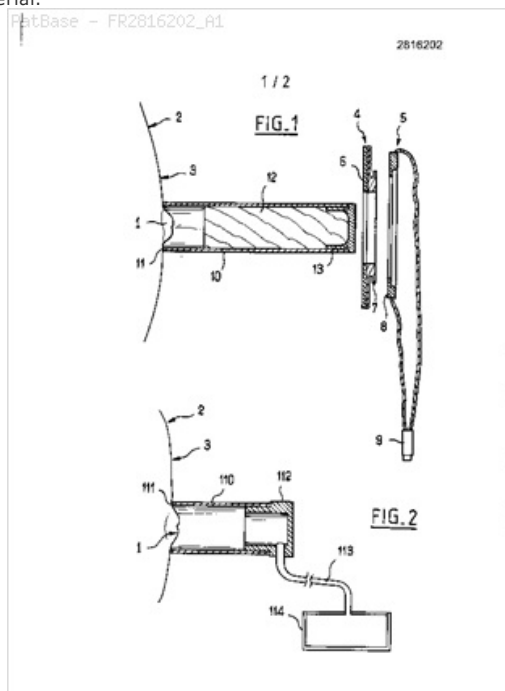
Classifications:

International (IPC 8-9): A61F5/445 (Advanced/Invention)

International (IPC 1-7): A61F5/449 A61M27/00

CPC: A61F5/445

European: A61F5/445



Family:

Publication number	Publication date	Application number	Application date
FR2816202 A1	20020510	FR20000014250	20001107

Priority:

FR20000014250 20001107

Probable Assignee:

HUET BERNARD

Assignee(s): (std):

HUET BERNARD

Inventor(s): (std):

HUET BERNARD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
FR2816202 A1	20020510	LSPB	+	published / reissued	
FR2816202 A1	20020830	LSLE	-ST	NOTIFICATION OF LAPSE	
FR2816202 A1	20020906	LSLE	-ST	NOTIFICATION OF LAPSE	

Title: METHOD FOR TREATING VIRAL DISEASES WITH ATTENUATED VIRUS

Abstract: A method for treating human disease of viral etiology which employs the administration of a pharmaceutically effective amount of a live attenuated virus. Avian paramyxovirus is the virus preferred for use in live attenuated vaccine form, although other viruses of human and nonhuman origin have also been shown to be effective. The administration of a pharmaceutically effective amount of avian paramyxovirus and avian rotavirus vaccine has been shown to be efficacious in the treatment of Herpes virus infections, hepatitis-A, some cancers, aphthous stomatitis, acquired immune deficiency syndrome (AIDS) and polyarteritis nodosa.

Classifications:

International (IPC 8-9): A61K35/76 A61K39/12 A61K39/155

A61K39/17 A61K39/295 (Advanced/Invention);

A61K39/00 (Advanced/Non-invention);

A61K35/66 A61K39/12 A61K39/155 A61K39/295 (Core/Invention)

International (IPC 1-7): A61K39/12 A61K39/42

CPC: A61K2039/70 A61K39/17 A61K35/76 A61K39/12 A61K39/155

C12N2760/18132 C12N2760/18134 C12N2760/18734

A61K2039/5254 C12N2710/16632 A61K2039/542 A61K2039/543

A61K2039/58 A61K2039/585 C12N2710/16334 C12N2710/16734

C12N2720/10032 C12N2720/10034 C12N2750/14034

C12N2760/20134 C12N2770/20034 C12N2770/32034 A61K2039/54

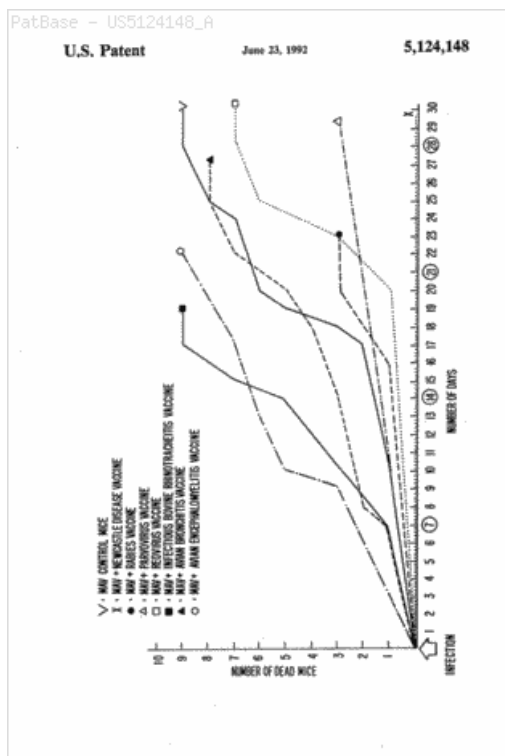
A61K2039/55505 C12N2750/14334

European: A61K35/76 A61K39/12 A61K39/155 A61K39/17

A61K39/295 K61K39/525B M12N710/16632 M12N760/18132

M12N760/18134 M12N760/18734

US: 424/281.1 424/86 424/88 424/89



Family:

Publication number	Publication date	Application number	Application date
US5124148 A	19920623	US19910744438	19910813
US5215745 A	19930601	US19920876428	19920430

Priority:

US19880186940 19880427 US19910744438 19910813 US19920876428 19920430

Probable Assignee: UNITED CANCER RESEARCH INST

Assignee(s): (std): UNITED CANCER RESEARCH INST

Assignee(s): UNITED CANCER RESEARCH INSTITUTE

Inventor(s): (std): CSATARY LASZLO K ; MASSEY RICHARD J

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US5124148 A	19920623	LSGT	+	granted / extensions (spc, cpc, pte)	
US5124148 A	19920612	LSGT	PAT1	Patented Case	
US5124148 A	19920612	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5124148 A	19950911	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5124148 A	19991018	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5124148 A	20031218	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5124148 A	20110813	PEXP		Calculated Patent Term Expiry	
US5215745 A	19930601	LSGT	+	granted / extensions (spc, cpc, pte)	
US5215745 A	19960821	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4

US5215745 A	20000912	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5215745 A	20050317	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5215745 A	20050601	LSRE	+REIN	REINSTATEMENT AFTER MAINTENANCE FEE PAYMENT CONFIRMED	
US5215745 A	20050726	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20050601
US5215745 A	20060724	LSRE	+PRDP	PATENT REINSTATED DUE TO THE ACCEPTANCE OF A LATE MAINTENANCE FEE	EFFECTIVE DATE : 20060728
US5215745 A	20060728	LSGT	PAT1	Patented Case	
US5215745 A	20060728	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5215745 A	20120430	PEXP		Calculated Patent Term Expiry	

Title: DEVICE HAVING FECAL COMPONENT SENSOR

Abstract: The present invention is directed to a device that comprises a sensor adapted to detect one or more specific health and/or nutrition markers in the subject's feces. The device may also signal the caretaker, the subject, or an actuator of the occurrence.

Classifications:

International (ipc 8-9): A47L13/16 A61F13/15 A61F13/42 A61F13/82 A61L15/18 A61L15/20 A61L15/24 A61L15/26 A61L15/56 G01N27/00 G01N33/483 G01N33/487 G01N33/50 G01N33/53 (Advanced/Invention)

International (ipc 1-7): G01N2/178 G01N21/78

CPC: A61F13/42 A61F13/495 A61F13/82 A61F2013/8473 A61F2013/8479 A61L15/18 A61L15/20 A61L15/24 A61L15/26 A61L15/56 G01N33/5308

European: A61F13/42 A61F13/495 A61F13/82 A61L15/18 A61L15/20 A61L15/24 A61L15/26 A61L15/56 G01N33/483 G01N33/487B G01N33/53F K61F13/84C K61F13/84D1

US: 422/1 422/82 600/306



Family:

Publication number	Publication date	Application number	Application date
US6342037 BA	20020129	US19990342754	19990629

Priority:

US19980090993P 19980629	US19980106225 19980629	US19980107561 19980629
US19990131049P 19990426	US19990342754 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): KHOMIAKOV OLEG N ; KRUCHININ MIKHAIL L ; FEDOSOV YURY I ; ROE DONALD C

Inventor(s): DONALD C ROE ; YURY I FEDOSOV ; MIKHAIL L KRUCHININ ; OLEG N KHOMIAKOV

Agent(s): JEFFREY R MOORE; DAVID M WEIRICH; KEN K PATEL

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Patent	Date recorded	Event group	Code	Event	Details
US6342037 BA	20020129	LSGT	+	granted / extensions (spc, cpc, pte)	
US6342037 BA	20011015	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PROCTER & GAMBLE COMPANY, THE, OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:ROE, DONALD C.; FEDOSOV, YURY I.; KRUCHININ, MIKHAIL L.; AND OTHERS; REEL/FRAME:012274/0722; SIGNING DATES FROM 19990624 TO 19990712
US6342037 BA	20020111	LSGT	PAT1	Patented Case	
US6342037 BA	20020111	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US6342037 BA	20050630	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6342037 BA	20090622	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6342037 BA	20130318	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6342037 BA	20190629	PEXP		Calculated Patent Term Expiry	

Title: **OSTOMY** BAG WITH FILTER COMBINATION

Abstract: An **ostomy** bag having a stomal aperture to receive a stoma in one wall of the bag and a gas venting aperture in the bag with a filter element covering the gas venting aperture, the bag including an intervening membrane disposed between the front rear walls of the bag and between the stomal aperture and the gas venting aperture. The intervening membrane is liquid impermeable and gas permeable and supports an adequate flow rate of gas for **ostomy** bag applications. The intervening membrane preferably comprises a polytetrafluoroethylene, microporous semi-permeable membrane laminated to a thermoplastic film layer which is heat sealable to the walls of the bag.

Classifications:

International (IPC 8-9): A61B19/00 A61F5/441

A61F5/445 (Advanced/Invention);

A61F5/441 A61F5/445 (Core/Invention)

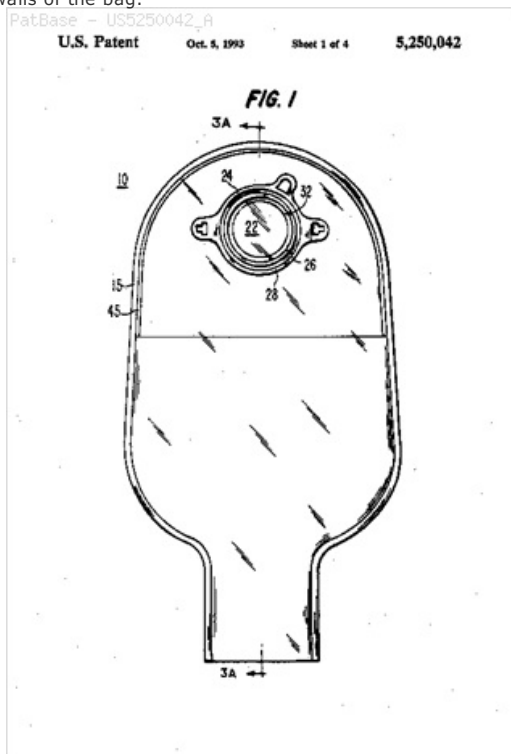
International (IPC 1-7): A61B19/00 A61F5/00 A61F5/44 A61F5/441

A61F5/445 A61M

CPC: A61F5/441

European: A61F5/441

US: 604/333 604/339



Family:

Publication number	Publication date	Application number	Application date
AT144696 E	19961115	AT19910300615T	19910128
CA2035264 AA	19910821	CA19912035264	19910130
CA2035264 C	20010522	CA19912035264	19910130
DE69122897 D1	19961205	DE19916022897	19910128
DE69122897 T2	19970403	DE19916022897T	19910128
DE69122897 T3	20030528	DE19916022897T	19910128
DK0443728 T3	19961125	DK19910300615T	19910128
DK0443728 T4	20021104	DK19910300615T	19910128
EP0443728 A2	19910828	EP19910300615	19910128
EP0443728 A3	19920812	EP19910300615	19910128
EP0443728 B1	19961030	EP19910300615	19910128
EP0443728 B2	20020821	EP19910300615	19910128
EP0443728 B9	20040114	EP19910300615	19910128
ES2093072 T3	19961216	ES19910300615T	19910128
ES2093072 T5	20030116	ES19910300615T	19910128
GR3022272 T3	19970430	GR19970400043T	19970114
IE76724 B	19971105	IE19910000295	19910129
IE910295 A1	19910828	IE19910000295	19910129
JP4218156 A2	19920807	JP19910025974	19910220
NO177123 B	19950418	NO19910000652	19910219
NO177123 C	19950726	NO19910000652	19910219
NO910652 A	19910821	NO19910000652	19910219
NO910652 A0	19910219	NO19910000652	19910219
NO910652 L	19910821	NO19910000652	19910219
NZ236988 A	19930927	NZ19910236988	19910201
PT8694 U	19930630	PT19930008694U	19930209
PT8694 Y	19951229	PT19930008694U	19930209
PT96817 A	19921130	PT19910096817	19910219
US5250042 A	19931005	US19900482138	19900220
ZA9100859 A	19911127	ZA19910000859	19910205

Priority:

US19900482138 19900220 CA19912035264 19910130

Probable Assignee: CONVATEC TECHNOLOGIES INC

Assignee(s): (std): BRISTOL MYERS SQUIBB CO ; CASTELLANA FRANK S ; E R SQUIBB AND SONS INC ; SQUIBB AND SONS INC ; TORGALKAR ANIL M ; SQUIBB AND SONS INC E R ; E R SQUIBB AND SONS

Assignee(s): E R SQUIBB AND SONS INC PRINCETON N J US ; JP MORGAN EUROPE LTD ; SQUIBB AND SONS INC ER ; ER SQUIBB AND SONS LLC ; E R SQUIBB AND SONS INC A CORP OF DE ; E R SQUIBB AND SONS L L C ; ER SQUIBB AND SONS INC ; CONVATEC INC ; CONVATEC TECHNOLOGIES INC

Inventor(s): (std): ANIL M TORGALKAR ; FRANK S CASTELLANA ; TORGALKAR ANIL N ; CASTELLANA FRANK S ; TORGALKAR ANIL M ; TOGALKAR ANIL M ; FRANK CASTELLANA ; ANIL N TORGALKAR ; ANIRU ENU TORUGARUKAARU ; FURANKU ESU KASUTERAANA ; ANIL M TOGALKAR ; CASTELLANA FRANK

Inventor(s): CASTELLANA FRANK S PRINCETON NEW JERSEY US ; TORGALKAR ANIL N E WINDSOR NEW JERSEY US

Agent(s): OSLER HOSKIN AND HARCOURT LLP; ITOH AKIRA; AOYAMA TAMOTSU

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT144696 E	19961115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT144696 E	20030215	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT144696 E	20110128	PEXP		Calculated Patent Term Expiry	
CA2035264 AA	19910821	LSPB	+	published / reissued	
CA2035264 AA	19970917	LSES	+EEER	EXAMINATION REQUEST	
CA2035264 C	20010522	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2035264 C	20110130	LSLE	-MKLA	LAPSED	
CA2035264 C	20121202	LSRE	+MKEC	EXPIRY (CORRECTION)	
CA2035264 C	20110130	PEXP		Calculated Patent Term Expiry	
DE69122897 D1	19971023	LSOP	-8363	OPPOSITION AGAINST THE PATENT	
DE69122897 D1	20021024	LSOP	+8366	RESTRICTED MAINTAINED AFTER OPPOSITION PROCEEDINGS	
DE69122897 D1	20090525	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : CONVATEC,INC. (N. D. GES. D. STAATES DELAWARE), SKILLMANN, N.J., US OLDPARTY : E.R. SQUIBB & SONS, INC., PRINCETON, N.J., US
DE69122897 D1	20090730	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : CONVATEC,INC. (N. D. GES. D. STAATES DELAWARE), US
DE69122897 D1	20110105	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : CONVATEC TECHNOLOGIES INC., LAS VEGAS, NEV., US OLDPARTY : CONVATEC,INC. (N. D. GES. D. STAATES DELAWARE), SKILLMANN, N.J., US
DE69122897 D1	20110128	LSLE	-R071	EXPIRY OF RIGHT	
DE69122897 D1	20110310	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : CONVATEC TECHNOLOGIES INC., LAS VEGAS, NEV., US
DE69122897 T2	19970403	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69122897 T2	20110128	PEXP		Calculated Patent Term Expiry	
DE69122897 T3	20030528	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69122897 T3	20110128	PEXP		Calculated Patent Term Expiry	
DK0443728 T3	19961125	LSGT	+	granted / extensions (spc, cpc, pte)	
DK0443728 T3	20110128	PEXP		Calculated Patent Term Expiry	
EP0443728 A2	19910828	LSPB	+	published / reissued	

EP0443728 A3	19930414	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19930210
EP0443728 A3	19950405	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19950217
EP0443728 B1	19961030	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0443728 B1	19961030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 19961030
EP0443728 B1	19961216	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2093072 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP0443728 B1	19970917	LSOP	-26	OPPOSITION FILED	PARTYTYPE : OPPONENT OPPONENT : COLOPLAST A/S EFFECTIVE DATE : 19970728
EP0443728 B1	19971103	LSOP	-NLR1	NL: OPPOSITION HAS BEEN FILED WITH THE EPO	PARTYTYPE : OPPONENT REF COUNTRY CODE : EP OPPONENT : COLOPLAST A/S
EP0443728 B1	20020111	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20020111 YEAR OF FEE PAYMENT : 12
EP0443728 B1	20020124	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20020124 YEAR OF FEE PAYMENT : 12
EP0443728 B1	20020131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20020131 YEAR OF FEE PAYMENT : 12
EP0443728 B1	20020320	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20020320 YEAR OF FEE PAYMENT : 12
EP0443728 B1	20110128	PEXP		Calculated Patent Term Expiry	
EP0443728 B2	20020821	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0443728 B2	20020821	LSRE	27A	PATENT MAINTAINED IN AMENDED FORM	EFFECTIVE DATE : 20020821
EP0443728 B2	20020821	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20020821
EP0443728 B2	20020913	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : AEN TEXT : MAINTIEN DU BREVET DONT L'ETENDUE A ETE MODIFIEE
EP0443728 B2	20021001	LSOP	NLR2	NL: DECISION OF OPPOSITION	REF COUNTRY CODE : EP
EP0443728 B2	20021126	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20021126
EP0443728 B2	20021126	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

				NATIONAL OFFICE TO EPO]	LAPSED DATE : 20021126
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EP0443728 B2	20030128	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20030128 YEAR OF FEE PAYMENT : 13
EP0443728 B2	20030131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20030131
EP0443728 B2	20030610	LSWD	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : ECNC
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EP0443728 B2	20110128	PEXP		Calculated Patent Term Expiry	
EP0443728 B9	20040128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20040128
EP0443728 B9	20070413	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0443728 B9	20080731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20050129
EP0443728 B9	20090430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20090113 YEAR OF FEE PAYMENT : 19
EP0443728 B9	20090430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20090218 YEAR OF FEE PAYMENT : 19
EP0443728 B9	20090529	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20090104 YEAR OF FEE PAYMENT : 19
EP0443728 B9	20090831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20090127 YEAR OF FEE PAYMENT : 19
EP0443728 B9	20091030	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20090113 YEAR OF FEE PAYMENT : 19
EP0443728 B9	20100324	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : SD EFFECTIVE DATE : 20100303
EP0443728 B9	20100324	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : TD EFFECTIVE DATE : 20100303
EP0443728 B9	20100625	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : CD
EP0443728 B9	20100625	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : TP

EP0443728 B9	20100630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20100121 YEAR OF FEE PAYMENT : 20
EP0443728 B9	20100630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20100202 YEAR OF FEE PAYMENT : 20
EP0443728 B9	20100818	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : V1 EFFECTIVE DATE : 20100801
EP0443728 B9	20100913	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : EBP
EP0443728 B9	20101022	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20100930
EP0443728 B9	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100201
EP0443728 B9	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100801
EP0443728 B9	20110131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100131
EP0443728 B9	20110216	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : PE20 EXPIRY DATE : 20110127
EP0443728 B9	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100128
EP0443728 B9	20110408	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20110408
EP0443728 B9	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20110127
EP0443728 B9	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20110328
EP0443728 B9	20110930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100129
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ES2093072 T3	19961216	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2093072 T3	19961216	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 443728 COUNTRY OF REF DOCUMENT : ES

ES2093072 T3	20110128	PEXP		Calculated Patent Term Expiry	
ES2093072 T5	20030116	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2093072 T5	20110128	PEXP		Calculated Patent Term Expiry	
GR3022272 T3	19970430	LSGT	+	granted / extensions (spc, cpc, pte)	
GR3022272 T3	20170114	PEXP		Calculated Patent Term Expiry	
IE76724 B	19971105	LSGT	+	granted / extensions (spc, cpc, pte)	
IE76724 B	20051102	LSLE	-MM4A	PATENT LAPSED	
IE76724 B	20110129	PEXP		Calculated Patent Term Expiry	
IE910295 A1	19910828	LSPB	+	published / reissued	
JP4218156 A2	19920807	LSPB	+	published / reissued	
JP4218156 A2	20010411	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20010410
NO177123 B	19950418	LSPB	+	published / reissued	
NO177123 C	19950726	LSGT	+	granted / extensions (spc, cpc, pte)	
NO177123 C	20041220	LSLE	-MM1K	LAPSED BY NOT PAYING THE ANNUAL FEES	
NO177123 C	20110219	PEXP		Calculated Patent Term Expiry	
NO910652 A	19910821	LSPB	+	published / reissued	
NZ236988 A	19930927	LSPB	+	published / reissued	
NZ236988 A	20040227	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	
NZ236988 A	20100326	LSAS	ASS	CHANGE OF OWNERSHIP	PARTYTYPE : OWNER OWNER : CONVATEC TECHNOLOGIES INC., US OLDPARTY : OLD OWNER(S): E.R. SQUIBB AND SONS INC.
PT8694 U	19930630	LSPB	+	published / reissued	
PT8694 U	19930630	LSPB	+BB1K	LAYING OPEN OF UTILITY MODEL APPLICATION	EFFECTIVE DATE : 19930218
PT8694 Y	19951229	LSGT	+	granted / extensions (spc, cpc, pte)	
PT8694 Y	19951229	LSGT	+FG3K	UTILITY MODEL GRANTED, DATE OF GRANTING	EFFECTIVE DATE : 19950919
PT8694 Y	20050531	LSLE	-MM3K	ANNULMENT OR LAPSE (UTILITY MODEL)	TEXT : LAPSE DUE TO NON-PAYMENT OF FEES EFFECTIVE DATE : 20050321
PT8694 Y	20030209	PEXP		Calculated Patent Term Expiry	
PT96817 A	19921130	LSPB	+	published / reissued	
PT96817 A	19921130	LSPB	+BB1A	LAYING OPEN OF PATENT APPLICATION	EFFECTIVE DATE : 19920702
US5250042 A	19931005	LSGT	+	granted / extensions (spc, cpc, pte)	
US5250042 A	19900220	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : E. R. SQUIBB & SONS, INC., A CORP. OF DE, NEW JERS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:TORGALKAR, ANIL M.; CASTELLANA, FRANK S.; REEL/FRAME:005235/0628 EFFECTIVE DATE : 19900212
US5250042 A	19930924	LSGT	PAT1	Patented Case	
US5250042 A	19930924	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5250042 A	19970325	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5250042 A	20010315	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8

US5250042 A	20050309	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5250042 A	20080812	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : J.P. MORGAN EUROPE LIMITED, UNITED KINGDOM OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:CONVATEC INC.; REEL/FRAME:021371/0796 EFFECTIVE DATE : 20080801
US5250042 A	20080812	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : J.P. MORGAN EUROPE LIMITED, UNITED KINGDOM OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:CONVATEC INC.; REEL/FRAME:021371/0796 EFFECTIVE DATE : 20080801
US5250042 A	20080904	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : E.R. SQUIBB & SONS, LLC, NEW JERSEY OLDPARTY : CHANGE OF NAME; ASSIGNOR:E.R. SQUIBB & SONS, INC.; REEL/FRAME:021478/0253 EFFECTIVE DATE : 20000430
US5250042 A	20081121	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONVATEC TECHNOLOGIES INC., NEVADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:E.R. SQUIBB & SONS LLC; CONVATEC, INC.; REEL/FRAME:021861/0667 EFFECTIVE DATE : 20081027
US5250042 A	20081128	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONVATEC INC., NEW JERSEY OLDPARTY : RELEASE OF SECURITY INTEREST; ASSIGNOR:J.P. MORGAN EUROPE LIMITED; REEL/FRAME:021890/0786 EFFECTIVE DATE : 20081028
US5250042 A	20081128	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONVATEC INC., NEW JERSEY OLDPARTY : RELEASE OF SECURITY INTEREST; ASSIGNOR:J.P. MORGAN EUROPE LIMITED; REEL/FRAME:021890/0786 EFFECTIVE DATE : 20081028
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US5250042 A	20081201	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : J.P. MORGAN EUROPE LIMITED, UNITED KINGDOM OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:CONVATEC TECHNOLOGIES INC.; REEL/FRAME:021901/0419 EFFECTIVE DATE : 20081028
US5250042 A	20110104	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONVATEC TECHNOLOGIES, INC., NEVADA OLDPARTY : RELEASE OF SECURITY INTEREST AT 021901/0419; ASSIGNOR:J.P. MORGAN EUROPE LIMITED; REEL/FRAME:025580/0879 EFFECTIVE DATE : 20101223
US5250042 A	20101005	PEXP		Calculated Patent Term Expiry	
ZA9100859 A	19911127	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA9100859 A	20110204	PEXP		Calculated Patent Term	

Title: Improvements in **colostomy** appliances

Abstract: 751,333. **Colostomy** appliances. TASSE, Y. J. Sept. 7, 1954, No. 25959/54. Class 81(2). A **colostomy** appliance comprises a thin, substantially flat disc member 5 engaging the body over a considerable area around an opening 7 therein. The disc has a projecting collar 6, around the opening, which receives the open end of a bag 12 and this is retained by a second disc 14 having a central aperture 15 and closely conforming to the outer face of disc 5. Both discs are moulded in flexible synthetic resin and disc 5 is prepared from a plaster cast of the portion of the body surrounding the opening 7. Disc 14 is similarly moulded to conform to the outer face of disc 5 and is of tapering thickness towards its periphery, where it is retained in position either by an elastic belt or by a waist band.

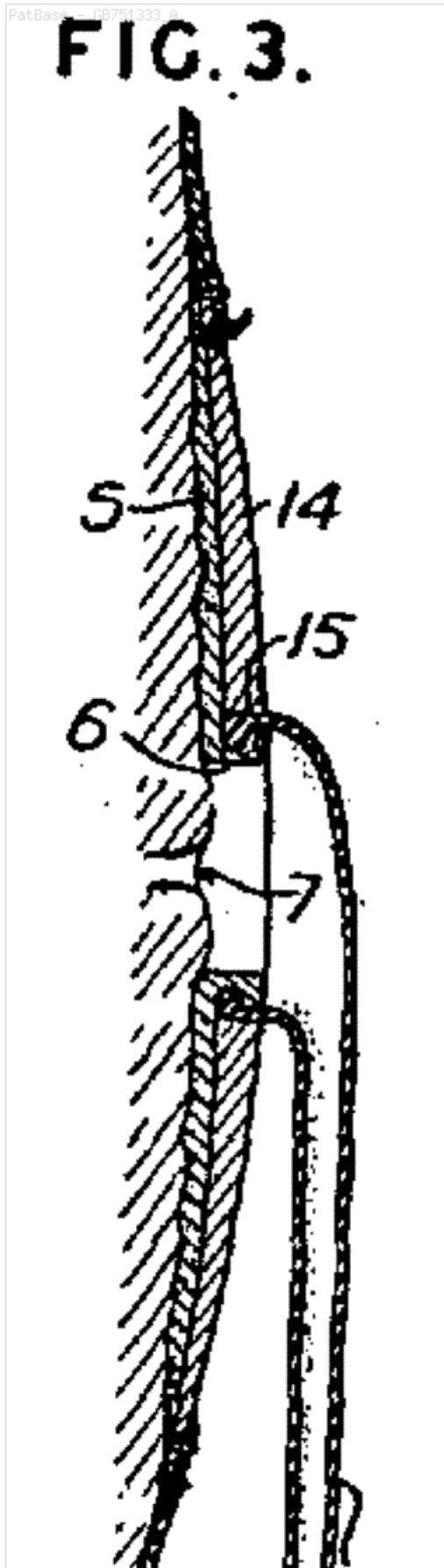
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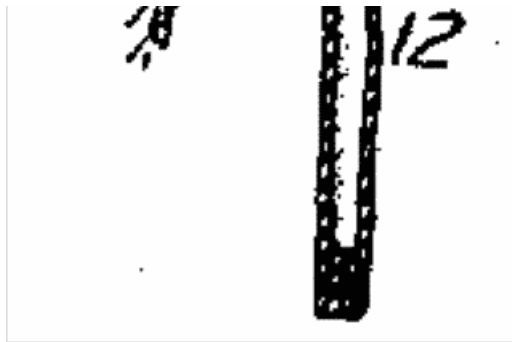
International (IPC 8-9): A61F5/445 (Advanced/Invention);
A61F5/445 (Core/Invention)

International (IPC 1-7): A61F5/44

CPC: A61F5/445

European: A61F5/445



**Family:**

Publication number	Publication date	Application number	Application date
 GB751333 A	19560627	GB19540025959	19540907

Priority:

GB19540025959 19540907

Probable Assignee:

YVON JOSEPH TASSE

Assignee(s): (std):

YVON JOSEPH TASSE

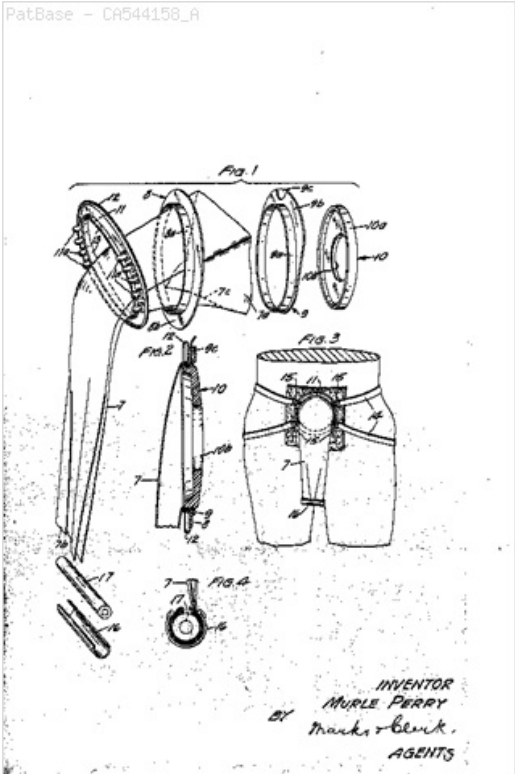
Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB751333 A	19560627	LSGT	+	granted / extensions (spc, cpc, pte)	
GB751333 A	19740907	PEXP		Calculated Patent Term Expiry	

Title: CLAMPING RING ASSEMBLY FOR **COLOSTOMY** APPLIANCES

Classifications:



Family:

Publication number	Publication date	Application number	Application date
CA544158 A	19570730		00000000

Probable Assignee:	PERRY MURLE
Assignee(s): (std):	PERRY MURLE
Assignee(s):	MURLE PERRY
Inventor(s): (std):	PERRY MURLE
Inventor(s):	MURLE PERRY

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CA544158 A	19570730	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: DEVICE FOR MEASURING THE VOLUME OF A BODY CAVITY

Abstract: A device adapted to measure the volume of a body cavity including a base, a sensor adapted to detect when a body cavity of the wearer reaches a predetermined volume and a signal mechanism. The sensor is moveably mounted on the base so as to facilitate aiming of the sensor toward the body cavity. The signal mechanism is adapted to provide a signal once the predetermined body cavity volume is reached. Alternatively, the device may comprise a first sensor and a second sensor which are oriented differently toward the body cavity and which each measure a distance between the front wall and the back wall of the body cavity. The device also includes a signal mechanism which provides a once a predetermined volume of the body cavity is reached, wherein the volume is calculated based on the greater of the distances measured between the front wall and the back wall of the body cavity.

Classifications:

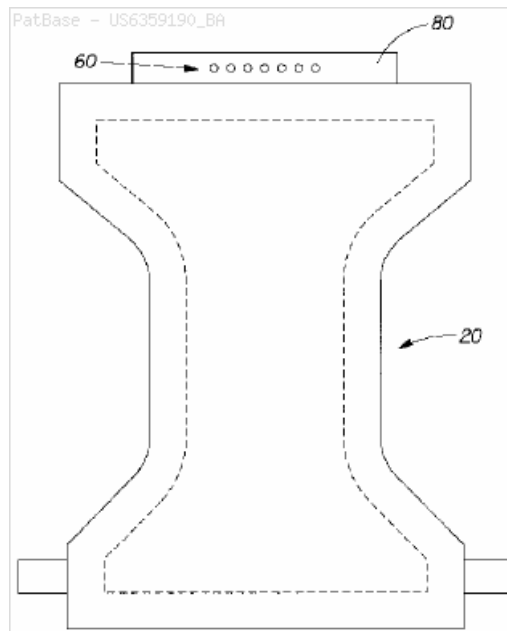
International (IPC 8-9): A61B5/0488 A61B5/20 A61F13/15
A61F13/42 A61F13/82 A61L15/18 A61L15/20 A61L15/24 A61L15/26
A61L15/56 G01N33/483 G01N33/487
G01N33/53 (Advanced/Invention);
A61B5/00 (Advanced/Non-invention);
A61B5/0488 A61B5/20 A61F13/15 A61F13/42 A61F13/56 A61L15/16
G01N33/483 G01N33/487 G01N33/53 (Core/Invention);
A61B5/00 (Core/Non-invention)

International (IPC 1-7): A61F13/42 G08B23/00

CPC: A61B5/204 A61B8/0858 G01N33/5308 A61B5/0002
A61B5/04884 A61F13/42 A61F13/495 A61F13/82 A61F2013/8473
A61F2013/8479 A61L15/18 A61L15/20 A61L15/24 A61L15/26
A61L15/56

European: A61B5/0488D A61B5/20D2 A61F13/42 A61F13/495
A61F13/82 A61L15/18 A61L15/20 A61L15/24 A61L15/26 A61L15/56
G01N33/483 G01N33/487B G01N33/53F K61B5/00B K61F13/84C
K61F13/84D1

US: 128/886 340/573 340/573.1 600/449 604/361



Family:

Publication number	Publication date	Application number	Application date
US6359190 BA	20020319	US20000643008	20000821

Priority:

US19980090993P 19980629	US19980106225 19980629	US19980107561 19980629
US19990342784 19990629	US19990342289 19990629	US20000599622 20000622
US20000643008 20000821		

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): TER OVANESYAN EVGENY ; ROE DONALD C

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US6359190 BA	20020319	LSGT	+	granted / extensions (spc, cpc, pte)	
US6359190 BA	20001023	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PROCTER & GAMBLE COMPANY, THE, OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TAR-OVANESYAN, EVGENY; ROE, DONALD C.; REEL/FRAME:011210/0324 EFFECTIVE DATE : 20000821
US6359190 BA	20040817	LSRE	CC	CERTIFICATE OF CORRECTION	
US6359190 BA	20050826	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6359190 BA	20090821	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6359190 BA	20140319	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6359190 BA	20140414	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees	

Under 37 CFR 1.362					
US6359190 BA	20140414	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US6359190 BA	20140506	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20140319
US6359190 BA	20200821	PEXP		Calculated Patent Term Expiry	

Title: SKIN COMPATIBLE COMPOSITION

Abstract: A skin compatible component attachable to mammalian skin. The component is formed as a silicone matrix comprising a polyorganosiloxane derived silicone polymer and moisture control particulate distributed within the polymer network being configured to absorb moisture from the skin. The skin compatible component may be utilised as an ostomy wafer or flange to secure an ostomy appliance to the skin and in particular peri-skin.

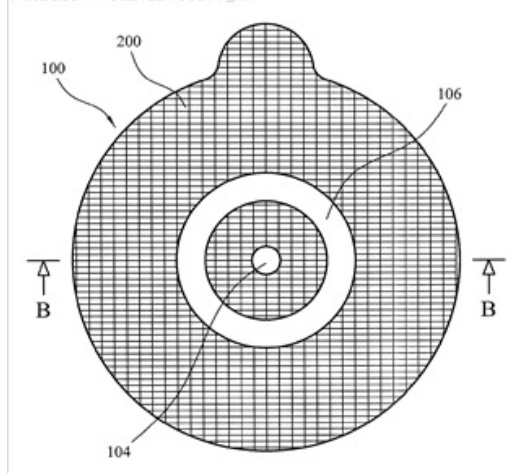
Classifications:

International (IPC 8-9): A61F5/44 A61L15/18 A61L15/24 A61L15/26 A61L15/28 A61L15/58 A61L15/60 A61L24/00 A61L29/02 A61L29/04 A61L29/06 A61L29/12 A61L29/14 A61L31/02 A61L31/04 A61L31/06 A61L31/12 A61L31/14 (Advanced/Invention)

CPC: A61L24/0073 A61L24/0094 A61L2400/14 A61L24/0031 C08K5/56 C08L33/02 C08L83/04 C08L2203/02

US: 1/1

PatBase - US2019083677_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2017232433 AA	20180927	AU20170232433	20170314
AU2017232433 BB	20200116	AU20170232433	20170314
CA3016845 AA	20180906	CA20173016845	20170314
EP3429644 A1	20190123	EP20170713050	20170314
GB201604308 A0	20160427	GB20160004308	20160314
GB201703038 A0	20170412	GB20170003038	20170224
JP2019509812 T2	20190411	JP20180548351T	20170314
US2019083677 AA	20190321	US20170085399	20170314
WO17158340 A1	20170921	WO2017GB50690	20170314

Priority:

GB20160004308 20160314 GB20170003038 20170224 WO2017GB50690 20170314

Probable Assignee: TRIO HEALTHCARE LTD

Assignee(s): (std): TRIO HEALTHCARE LTD

Assignee(s): LEE STEWART ; PEARCE LLOYD

Inventor(s): (std): PEARCE LLOYD ; LEE STEWART

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP; NEILSON MARTIN MARK; ONDA MAKOTO; ONDA HIRONORI; NEILSON MARTIN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC 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)

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Patent	Date recorded	Event group	Code	Event	Details
AU2017232433 AA	20180927	LSPB	+	published / reissued	
AU2017232433 BB	20200116	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2017232433 BB	20370314	PEXP		Calculated Patent Term Expiry	
CA3016845 AA	20180906	LSPB	+	published / reissued	
CA3016845 AA	20190102	LSSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20181214
EP3429644 A1	20190123	LSPB	+	published / reissued	
EP3429644 A1	20190123	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20180830
GB201604308 A0	20170412	LSWD	-AT	APPLICATIONS TERMINATED	

GB201703038 A0	20170412	LSWD	-AT	BEFORE PUBLICATION UNDER SECTION 16(1) APPLICATIONS TERMINATED BEFORE PUBLICATION UNDER SECTION 16(1)	
JP2019509812 T2	20190411	LSPB	+	published / reissued	
JP2019509812 T2	20190104	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20181109
JP2019509812 T2	20190917	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20190917
US2019083677 AA	20190321	LSPB	+	published / reissued	
US2019083677 AA	20181026	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : TRIO HEALTHCARE LIMITED, GREAT BRITAIN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PEARCE, LLOYD; LEE, STEWART; REEL/FRAME:047346/0313 EFFECTIVE DATE : 20181008
WO17158340 A1	20170921	LSPB	+	published / reissued	
WO17158340 A1	20180906	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 3016845 COUNTRY OF REF DOCUMENT : CA
WO17158340 A1	20180913	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2018548351 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO17158340 A1	20180915	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO17158340 A1	20180927	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017232433 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20170314 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO17158340 A1	20181015	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2017713050 COUNTRY OF REF DOCUMENT : EP
WO17158340 A1	20181019	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017713050 COUNTRY OF REF DOCUMENT : EP EFFECTIVE DATE : 20181015

Title: TISSUE-ENGINEERED CONSTRUCTS

Abstract: Constructs including a tubular biodegradable polyglycolic acid scaffold may be coated with extracellular matrix proteins and are substantially acellular. The constructs can be utilized as an arteriovenous graft, a coronary graft, an arterial graft, a venous graft, a duct graft, a skin graft, or a urinary graft or conduit.

Classifications:

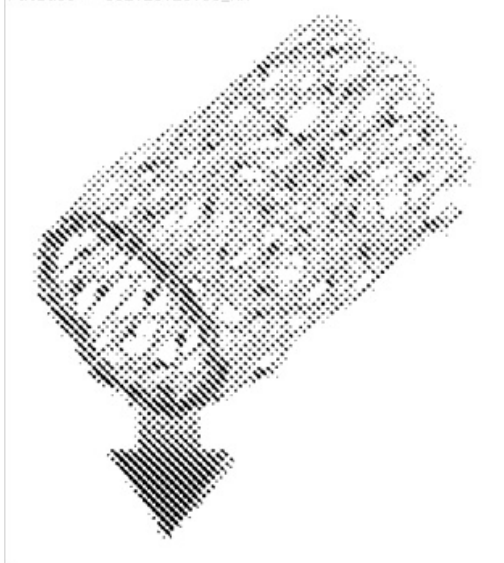
International (IPC 8-9): A61F A61F2/04 A61F2/06 A61F2/82 A61L A61L27/00 A61L27/16 A61L27/18 A61L27/22 A61L27/34 A61L27/36 A61L27/38 A61L27/50 A61L27/54 A61L27/58 A61L27/60 B23L B29C53/00 B29C53/36 B29L B29L23/00 C12N5/00 C12N5/071 C12P21/00 (Advanced/Invention); B29K105/00 B29K67/00 B29L23/00 B29L31/00 (Advanced/Non-invention); A61L (Subclass/Invention)

CPC: A61L27/36 A61L27/3679 A61L27/3683 A61L27/507 A61L27/60 A61L2430/22 C08L67/04 A61F2/04 A61F2/06 A61F2002/048 A61L27/34 Y10T156/1038 A61F2002/047 A61L27/16 A61L27/18 A61L27/3633 A61L27/38 A61L27/3895 A61L27/54 A61L27/58 B29C53/005 B29C53/36 B29K2067/043 B29K2105/256 B29K2995/0056 B29K2995/006 B29L2023/00 B29L2031/7532 C12N5/0068 C12N2533/30 C12N2533/40

European: A61F2/06

US: 1/1 156/218 424/426 435/366 435/396 435/68.1 623/1.41 623/23.7 623/23.71

PatBase - US2013013083_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2012204226 AA	20120712	AU20120204226	20120106
AU2012204226 AA	20130704	AU20120204226	20120106
AU2012204226 AA	20120712	AU20120204226	20120106
AU2012204226 AA	20130704	AU20120204226	20120106
AU2012204226 BB	20150528	AU20120204226	20120106
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CA2822689 C	20151229	CA20122822689	20120106
DE602012057923 D1	20190404	DE201260057923T	20120106
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EP2661243 A1	20131113	EP20120731951	20120106
EP2661243 A4	20160120	EP20120731951	20120106
EP3011936 A1	20160427	EP20150196598	20120106
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HK1222314 A1	20170630	HK20160110611	20160906
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TR201906339 T4	20190521	TR20190006339T	20120106
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US2013345824 AA	20131226	US20120978422	20120106
US2015012083 AA	20150108	US20140495339	20140924
US2015031131 AA	20150129	US20140495310	20140924
US2017135805 AA	20170518	US20170420901	20170131
US2017306292 AA	20171026	US20170595560	20170515
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WO12094611 A1	20120712	WO2012US20513	20120106
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Priority:

US20110430381P	20110106	EP20120731951	20120106	EP20150196598	20120106
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Probable Assignee: HUMACYTE

Assignee(s): (std): HUMACYTE ; TENTE WILLIAM E ; NIKLASON LAURA E ; STRADER JUSTIN T ; LUNDQUIST JOSEPH J ; PRICHARD HEATHER L ; PRITCHARD HEATHER L ; LUNDQUIST JOSEPH ; HUMACYTE INC ; BLUM JULIANA ; BLUM JULIANA L ; DAHL SHANNON L M

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BLUM JULIANA L

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Agent(s): FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; TORYS LLP; HERNANDEZ YORCK DIPL ING; TOMBLING ADRIAN GEORGE; COOLEY UK LLP; SAEZ MAESO ANA; SPRUSON AND FERGUSON HONG KONG LTD; KAWAMOTO KAZUYA; SHIMIZU HATSUSHI; OSAKABE SUGURU; FILIZ ARK; IVOR R; COOLEY LLP; KAGAN SARAH A

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2012204226 AA	20120712	LSPB	+	published / reissued	
AU2012204226 AA	20130704	LSPB	+	published / reissued	
AU2012204226 BB	20150528	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2012204226 BB	20150924	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2012204226 BB	20320106	PEXP		Calculated Patent Term Expiry	
CA2822689 AA	20130620	LSPB	+	published / reissued	
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EP2661243 A4	20190102	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20181129
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EP2661243 A4	20191009	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : HUMACYTE, INC.
EP3011936 A1	20160427	LSPB	+	published / reissued	
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EP3011936 A1	20181017	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20180919
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JP2014506807 T2	20151005	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20151005
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JP5878181 B2	20160202	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5878181 B2	20160205	LSGT	+R150	特許証 (Patent certificate)	
JP5878181 B2	20190124	LSFE	R20	特許料納付書 (Patent fee payment form)	
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JP5878181 B2	20200123	LSFE	R20	特許料納付書 (Patent fee payment form)	EFFECTIVE DATE : 20200122
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US2013013083 AA	20121005	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HUMACYTE, NORTH CAROLINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BLUM, JULIANA; DAHL, SHANNON L.M.; NIKLASON, LAURA E.; AND OTHERS; SIGNING DATES FROM 20120806 TO 20120823; REEL/FRAME:029082/0724
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US2013345824 AA	20131226	LSPB	+	published / reissued	
US2013345824 AA	20170111	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
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US2017135805 AA	20170228	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HUMACYTE, INC., NORTH CAROLINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DAHL, SHANNON L.M.; NIKLASON, LAURA E.; BLUM, JULIANA; AND OTHERS; SIGNING DATES FROM 20130816 TO 20130821; REEL/FRAME:041397/0815

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US2017306292 AA	20171026	LSPB	+	published / reissued	
US2017306292 AA	20170519	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HUMACYTE, INC., NORTH CAROLINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DAHL, SHANNON L.M.; NIKLASON, LAURA E.; STRADER, JUSTIN T.; AND OTHERS; SIGNING DATES FROM 20130816 TO 20130821; REEL/FRAME:042439/0182
US2017306292 AA	20180604	LSSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2017306292 AA	20180607	LSSES	NFA1	Non Final Action Mailed	
US2017306292 AA	20191206	LSSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2018251727 AA	20180906	LSPB	+	published / reissued	
US2018251727 AA	20190613	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HUMACYTE, INC., NORTH CAROLINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DAHL, SHANNON L.M.; NIKLASON, LAURA E.; STRADER, JUSTIN T.; AND OTHERS; SIGNING DATES FROM 20130816 TO 20130821; REEL/FRAME:049459/0554
US2018251727 AA	20191218	LSSES	NFA1	Non Final Action Mailed	
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US9556414 BB	20190621	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HUMACYTE, INC., NORTH CAROLINA OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE'S NAME PREVIOUSLY RECORDED AT REEL: 031359 FRAME: 0262. ASSIGNOR(S) HEREBY

					CONFIRMS THE ASSIGNMENT; ASSIGNORS:DAHL, SHANNON L.M.; NICKLASON, LAURA E.; BLUM, JULIANA; AND OTHERS; SIGNING DATES FROM 20130816 TO 20130821; REEL/FRAME:049557/0926
US9556414 BB	20320304	PEXP		Calculated Patent Term Expiry (PTA 58 days)	
US9650603 BB	20170516	LSGT	+	granted / extensions (spc, cpc, pte)	
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US9657265 BB	20170523	LSGT	+	granted / extensions (spc, cpc, pte)	
US9657265 BB	20140924	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HUMACYTE, NORTH CAROLINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BLUM, JULIANA; DAHL, SHANNON L.M.; NIKLASON, LAURA E.; AND OTHERS; SIGNING DATES FROM 20130816 TO 20130821; REEL/FRAME:033809/0498
US9657265 BB	20170419	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US9657265 BB	20170503	LSGT	PAT1	Patented Case	
US9657265 BB	20190621	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HUMACYTE, INC., NORTH CAROLINA OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE RECEIVING PARTY PREVIOUSLY RECORDED AT REEL: 033809 FRAME: 0498. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT; ASSIGNORS:BLUM, JULIANA; DAHL, SHANNON L.M.; NIKLASON, LAURA E.; AND OTHERS; SIGNING DATES FROM 20130816 TO 20130821; REEL/FRAME:049557/0964
US9657265 BB	20340924	PEXP		Calculated Patent Term Expiry	
WO12094611 A1	20120712	LSPB	+	published / reissued	
WO12094611 A1	20130620	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2822689 COUNTRY OF REF DOCUMENT : CA

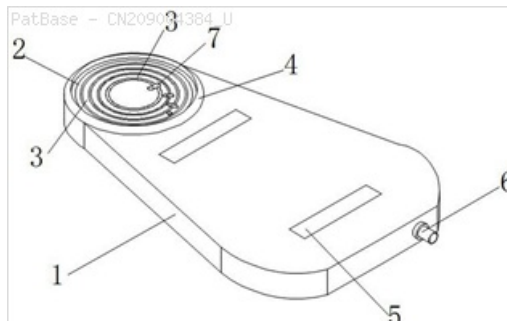
WO12094611 A1	20130704	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2012204226 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20120106 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12094611 A1	20130705	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013548580 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12094611 A1	20130708	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO12094611 A1	20130717	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2012731951 COUNTRY OF REF DOCUMENT : EP
WO12094611 A1	20130912	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13978422 COUNTRY OF REF DOCUMENT : US
WO14008239 A1	20140109	LSPB	+	published / reissued	
WO14008239 A1	20150105	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14008239 A1	20150729	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 13745487 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: FRONT URINE COLLECTION **OSTOMY** BAG

Abstract: The utility model discloses a front urine collection **ostomy** bag. The nursing bag comprises a bag body, an opening is formed in one end of the upper portion of the bag body, a plurality of sets of ringpieces which are sequentially connected from outside to inside are arranged in the opening, an inflatable air bag is arranged on the outer circumference of the opening, a plurality of sets of bonding buckles are arranged on the upper portion of the bag body, and a urination hole is formed in the bottom of the bag body. The disposable drainage bag is practical, reasonable in structure, capable of being used sustainably, convenient to collect urine, not prone to falling off and convenient to pull, compared with an existing cutting drainage hole, the disposable drainage bag is more regular and good in sealing performance, the bag body can be effectively prevented from stimulating a patient, the inflation air bag plays a supporting role, and urine can be effectively prevented from overflowing.

Classifications:

International (IPC 8-9): A61F5/445 A61F5/448 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN209004384 U	20190621	CN201721515777U	20171114

Priority:

CN201721515777U 20171114

Probable Assignee: CHEN LI

Assignee(s): (std): SHEN LI

Assignee(s): CHEN LI

Inventor(s): (std): NIE RUI ; SHEN LI ; WU YONGMEI ; RONG XIAOSHAN ; ZHAO LI ; XIA JING

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN209004384 U	20190621	LSGT	+	granted / extensions (spc, cpc, pte)	
CN209004384 U	20190621	LSGT	+GR01	PATENT GRANT	
CN209004384 U	20271114	PEXP		Calculated Patent Term Expiry	

Title: HOT MELT ADHESIVE COMPOSITIONS

Abstract: The invention provides adhesive compositions which can be hot-melt processed by being thermally melted at a relatively low temperature and which have excellent adhesion force, holding power and tack, and adhesive products including the adhesive compositions. A hot melt adhesive composition includes an acrylic block copolymer (I) including at least one polymer block (A) including methacrylate ester units, and at least one polymer block (B) including acrylate ester units, wherein the methacrylate ester units constituting the polymer block (A) include at least a methyl methacrylate (a1) unit and a methacrylate ester (a2) unit represented by the general formula CH₂ -C(CH₃)-COOR¹ (1) wherein R¹ is a C₂₋₁₆ organic group.

Classifications:

International (IPC 8-9): C08F297/02 C09J133/08 C09J133/10 C09J133/12 C09J153/00 C09J5/06 C09J7/02 C09J7/20 C09J7/35 C09J7/38 (Advanced/Invention)

CPC: C08F297/026 C09J153/00 C09J133/10 C08F297/02 C09J2201/61 C09J2201/622 C09J2433/00 C09J2453/00 C09J7/20 C09J5/06

US: 1/1

Family:

Publication number	Publication date	Application number	Application date
CA3020515 AA	20181010	CA20173020515	20170406
CN109072033 A	20181221	CN201780023575	20170406
EP3444311 A1	20190220	EP20170782295	20170406
EP3444311 A4	20191218	EP20170782295	20170406
ID201812179 A	20181116	ID2018P0008950	20170406
JP2017179479 A1	20190221	JP20180511976T	20170406
KR20180130522 A	20181207	KR20187029842	20170406
TW201807137 A	20180301	TW20170111844	20170410
US2019062609 AA	20190228	US20170092954	20170406
WO17179479 A1	20171019	WO2017JP14337	20170406

Priority:
JP20160080189 20160413 WO2017JP14337 20170406

Probable Assignee: KURARAY CO LTD

Assignee(s): (std): KURARAY CO ; KURARAY CO LTD

Assignee(s): MORISHITA YOSHIHIRO ; NAKADA KANAYO

Inventor(s): (std): NAKADA KANAYO ; MORISHITA YOSHIHIRO

Agent(s): KIRBY EADES GALE BAKER; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; ANNISA AM BADAR SH LLM; SSINPAT PATENT FIRM

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC 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)

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Patent	Date recorded	Event group	Code	Event	Details
CA3020515 AA	20181010	LSPB	+	published / reissued	
CN109072033 A	20181221	LSPB	+	published / reissued	
CN109072033 A	20181221	LSPB	PB01	PUBLICATION	
EP3444311 A1	20190220	LSPB	+	published / reissued	
EP3444311 A1	20190220	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20181108
EP3444311 A4	20191218	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20191119
ID201812179 A	20181116	LSPB	+	published / reissued	
JP2017179479 A1	20190221	LSPB	+	published / reissued	
JP2017179479 A1	20190930	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20190930
KR20180130522 A	20181207	LSPB	+	published / reissued	
TW201807137 A	20180301	LSPB	+	published / reissued	
US2019062609 AA	20190228	LSPB	+	published / reissued	

US2019062609 AA	20181011	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KURARAY CO., LTD., JAPAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:NAKADA, KANAYO; MORISHITA, YOSHIHIRO; REEL/FRAME:047135/0178 EFFECTIVE DATE : 20181004
US2019062609 AA	20191223	LSES	NFA1	Non Final Action Mailed	
WO17179479 A1	20171019	LSPB	+	published / reissued	
WO17179479 A1	20180824	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2018511976 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO17179479 A1	20180824	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2018511976 COUNTRY OF REF DOCUMENT : JP
WO17179479 A1	20181010	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 3020515 COUNTRY OF REF DOCUMENT : CA
WO17179479 A1	20181016	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 20187029842 COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO17179479 A1	20181016	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO17179479 A1	20181113	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2017782295 COUNTRY OF REF DOCUMENT : EP
WO17179479 A1	20181123	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017782295 COUNTRY OF REF DOCUMENT : EP EFFECTIVE DATE : 20181113

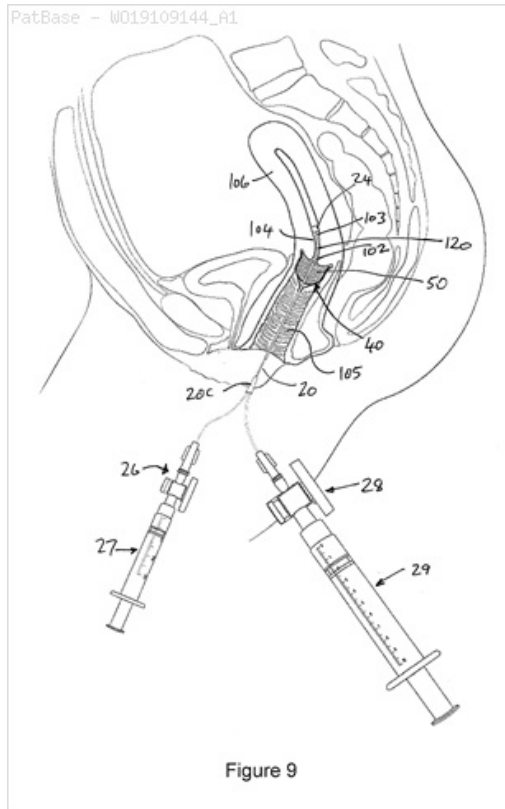
Title: DEVICE FOR TREATMENT OF A BODY CANAL AND ADJACENT SURFACES

Abstract: A device (10,210) for treatment of a canal associated with an orifice includes a flexible stem portion (20, 220) adapted for insertion along the canal and having an expandable member (24, 224) carried by the stem portion (20, 220) at or adjacent the distal end. The expandable member (24, 224) is for occlusion of an inner end region of the canal. A cap (40, 240, 340) mounted on the stem portion (20, 220), configured as a receptacle (42, 242), to close an outer end of the canal and to accommodate the surface(s) about the outer end of the canal. The cap (40, 240) thereby defines with the expandable member (24, 224), a treatment zone, wherein the receptacle (42, 242) is adapted to receive and store treatment fluid for contact with the surface(s) about the outer end of the canal.

Classifications:

International (IPC 8-9): A61M31/00 (Advanced/Invention)

CPC: A61M31/00 A61B17/42 A61K33/18 A61M25/10 A61M2025/105
A61M2202/0468 A61M2202/206 A61M2210/1067 A61M2210/14
A61M2210/1433 A61P31/12

**Family:**

Publication number	Publication date	Application number	Application date
WO19109144 A1	20190613	WO2018AU51305	20181205

Priority:

AU20170904884 20171205

Probable Assignee: MCCLOSKEY JENNY COLLEEN

Assignee(s): (std): MCCLOSKEY JENNY COLLEEN

Inventor(s): (std): MCCLOSKEY JENNY COLLEEN

Agent(s): FPA PATENT ATTORNEYS PTY LTD

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)

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Patent	Date recorded	Event group	Code	Event	Details
WO19109144 A1	20190613	LSPB	+	published / reissued	

Title: ADHESIVE BANDAGE MATERIAL

Abstract: An adhesive bandage composition uses a blend of polyisobutylene, polybutene, butyl rubber with reinforcing fiber, filler material and zinc oxide blended under heat and rolled into a thin sheet. The sheet of adhesive material can be attached to a bandage material on one side and covered with a protective paper on the other and cut to shape for application to a body surface.

Classifications:

International (IPC 8-9): C09J123/20 C09J123/22 (Advanced/Invention);
C09J123/00 (Core/Invention)

International (IPC 1-7): C08K3/10 C08K5/05

CPC: C08K3/22 C08K3/34 C08K7/02 C08L23/20 C08L23/22 C08L2666/02 C08L2666/28 C08L2666/54 C09J123/20 C09J123/22

European: C09J123/20 C09J123/22

US: 523/111 523/118 524/34 524/35 524/379 524/391 524/432 524/451 524/514 525/184

Family:

Publication number	Publication date	Application number	Application date
US4393150 A	19830712	US19820375807	19820507

Priority:

US19820375807 19820507

Probable Assignee: KRESNER STANLEY

Assignee(s): (std): KRESNER STANLEY

Assignee(s): KAYRE INC ; KAYRE INC A CORP OF OH

Inventor(s): (std): KRESNER STANLEY

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US4393150 A	19830712	LSGT	+	granted / extensions (spc, cpc, pte)	
US4393150 A	19830901	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KAYRE, INC., 707 DOLLAR BANK BLDG. YOUNGSTOWN, OH OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:KRESNER, STANLEY; REEL/FRAME:004165/0175 EFFECTIVE DATE : 19830830
US4393150 A	19861104	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US4393150 A	19910714	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4393150 A	19910714	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US4393150 A	19910714	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US4393150 A	19910924	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19910714
US4393150 A	20020507	PEXP		Calculated Patent Term Expiry	

Title: AN OPTIMIZED PROCESS FOR SYNTHESIS OF METHOTREXATE GLUTAMIC ACID AZO ADDUCT FOR EFFECTIVE MANAGEMENT OF COLORECTAL CANCER

Abstract: The current invention explores the synthetic process of a novel potent azo conjugate having the ability to deliver drug to the colonic region. Methotrexate Glutamic acid azo adduct was synthesized by incorporating glutamic acid in optimized ratio with methotrexate so as to form a azo conjugate under optimized experimental conditions. The azo adduct was evaluated for its various physicochemical parameters like color, solubility, R_r value and colour changing point. The azo adduct formation was confirmed by IR, HNMR and Mass spectral analysis. It was further subjected for evaluating its colon targeting property by in-vitro method using rat fecal matter. The cytotoxic and acute toxicity studies of the compound were also performed. Hence the conclusion was drawn that the azo adduct shows the promising colon specificity by breaking the azo linkage in the presence of enzyme azo reductase. It reveals that the methotrexate azo adduct is safe for use to colon for the treatment of colorectal cancer.

Classifications:

International (IPC 8-9): C09B (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
IN00233DE2015 A	20160729	IN2015DE00233	20150128

Priority:

IN2015DE00233 20150128

Probable Assignee: SATHEESH MADHAV NV

Assignee(s): SATHEESH MADHAV NV

Inventor(s): N V SATHEESH ; RAJEEV KUMAR SHARMA

Legal status (INPADOC)

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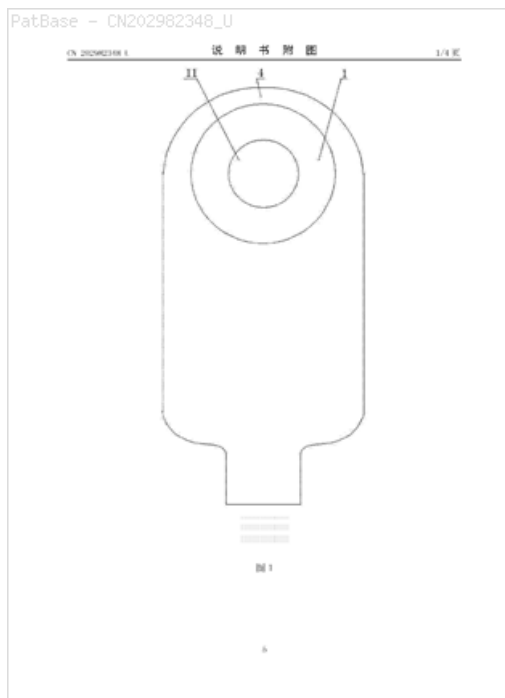
Patent	Date recorded	Event group	Code	Event	Details
IN00233DE2015 A	20160729	LSPB	+	published / reissued	

Title: MULTIFUNCTIONAL SHIELD-TYPE **COLOSTOMY** AND ILEOSTOMY BAG

Abstract: A multifunctional shield-type **colostomy** and ileostomy bag comprises a connecting chassis 1, a locating clamp ring 2, an movable clamp lock 3, a feces bag 4, an inner bag 5 and a shield 6, wherein a circular connecting ring 12 is arranged at a circular hole 11 of the connecting chassis 1; the movable clamp lock 3 is located at the periphery of the locating clamp ring 2; the locating clamp ring 2 is located at the periphery of the connecting ring 12; the feces bag 4 is connected with the locating clamp ring 2; the lower end of the feces bag 4 is sealed; the inner bag 5 is located in the feces bag 4 and fixed by the locating clamp ring 2, the connecting chassis 1 and the connecting ring 12; and the shield 6 is connected with the locating clamp ring 2. The multifunctional shield-type **colostomy** and ileostomy bag is convenient to use, simple to operate, reusable and long in service life; stoma comfortability is good; the inner bag is directly replaced after the bag is used; the use cost is lowered greatly; a stoma can be protected very well during movement; intestinal mucosa bleeding, edemata and the like are avoided; the requirements on protecting and nursing the stoma can be met completely; and the multifunctional shield-type **colostomy** and ileostomy bag is particularly suitable for use after **colostomy** and ileostomy operations of patients with rectum cancers.

Classifications:

International (IPC 8-9): A61F5/445 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN202982348 U	20130612	CN201220697534U	20121217

Priority:

CN201220697534U 20121217

Probable Assignee:

WANG QIRONG

Assignee(s): (std):

WANG QIRONG

Inventor(s): (std):

WANG QIRONG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN202982348 U	20130612	LSGT	+	granted / extensions (spc, cpc, pte)	
CN202982348 U	20130612	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN202982348 U	20170208	LSWD	-EXPY	TERMINATION OF PATENT RIGHT OR UTILITY MODEL	
CN202982348 U	20221217	PEXP		Calculated Patent Term Expiry	

Title: Ostomy appliances

Abstract: A **colostomy** or ileostomy set is provided which has a substantially leakproof connection between a stoma ring and a bag or irrigation sleeve. The ostomy set includes a retaining ring which can be secured to the body of a patient, the ring having a peripheral retaining recess. A bag or irrigation sleeve has a fixing ring of size complementary to that of the retaining ring, the fixing ring having a beaded or rounded internal surface which can be removably mated with the peripheral recess of the retaining ring.

Classifications:

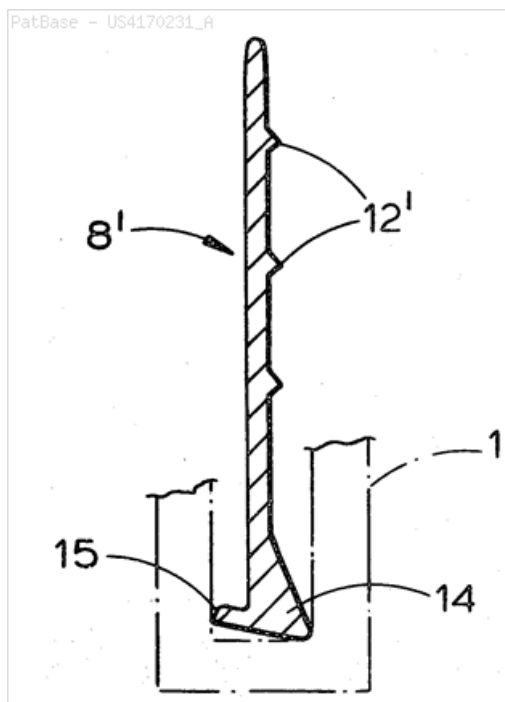
International (IPC 8-9): A61F5/448 (Advanced/Invention);
A61F5/445 (Core/Invention)

International (IPC 1-7): A61F5/44

CPC: A61F5/448

European: A61F5/448

US: 128/283 131/243 131/247 604/333



Family:

Publication number	Publication date	Application number	Application date
DE2721241 A1	19771124	DE19772721241	19770511
DK207477 A	19771113	DK19770002074	19770511
GB1571986 A	19800723	GB19760019481	19760512
US4170231 A	19791009	US19770795681	19770511

Priority:

GB19760019481 19760512

Probable Assignee: SEARLE AND CO

Assignee(s): (std): SEARLE AND CO

Assignee(s): SEARLE AND CO LTD G D ; VIRGOCREST LTD ; G D SEARLE AND CO LTD ; GD SEARLE AND CO

Inventor(s): (std): COLLINS M H ; COLLINS MICHAEL H ; COLLINS MICHEL HENRY

Inventor(s): HENRY COLLINS MICHEL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE2721241 A1	19771124	LSPB	+	published / reissued	
DE2721241 A1	19820701	LSSES	+8110	REQUEST FOR EXAMINATION PARAGRAPH 44	
DE2721241 A1	19851107	LSRV	-8131	REJECTION	
DK207477 A	19771113	LSPB	+	published / reissued	
GB1571986 A	19800723	LSGT	+	granted / extensions (spc, cpc, pte)	
GB1571986 A	19801008	LSGT	+PS	PATENT SEALED	
GB1571986 A	19900104	LSLE	-PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	

GB1571986 A	19960512	PEXP		Calculated Patent Term Expiry	
US4170231 A	19791009	LSGT	+	granted / extensions (spc, cpc, pte)	
US4170231 A	19791009	LSGT	PAT1	Patented Case	
US4170231 A	19830510	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VIRGOCREST LIMITED (T/A FRANKLIN MEDICAL), 22, LON OLDPARTY : OPTION; ASSIGNOR:G. D. SEARLE & CO. LTD., LANE END, HIGH WYCOMBE, BUCKS, ENGLAND A CORP. OF U.K.; REEL/FRAME:004125/0201 EFFECTIVE DATE : 19830503
US4170231 A	19910226	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : G.D. SEARLE AND CO., 1751 LAKE COOK RD., DEERFIELD OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:NUTRASWEET COMPANY, THE; REEL/FRAME:005614/0177 EFFECTIVE DATE : 19910214

Title: Protective underwear with malodorous flatus filter

Abstract: Protective underwear made of air-tight polyurethane-coated nylon (10) with elastic sewn around the waist (12) and around the bifurcated legs (14a, 14b). An exit hole (24) for the flatus is cut from the back, near the bottom, of the underwear. The exit hole is covered with a pocket (16a, 16b) made of porous fabric, and designed in the same shape as the exit hole (24), only larger. The bottom layer of the pocket (16b) is sewn (22) around the edge of the exit hole (24) connecting it to the underwear. The top layer (16a) is sewn (20) around the edge of the bottom layer (16b) and onto the underwear, except at the top, leaving the pocket opening. The pocket opening is kept closed by a fastener. The replaceable filter is large all around than the exit hole (24), but smaller all around than the pocket (16). The top and bottom layers are of wool felt (26a, 26b); and both layers are cut larger than all other layers to facilitate sewing (28). The second layers, on top and bottom, are of polypropylene non-woven fabric (30a, 30b); followed by layers, top and bottom, of fiber glass wool (32a, 32b). In the middle of the filter is a single layer of activated carbon (34).

Classifications:

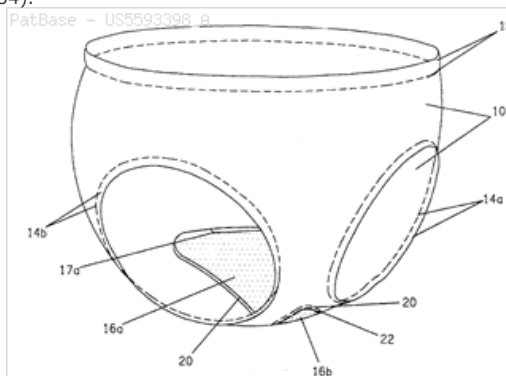
International (IPC 8-9): A61F13/15 A61F13/74 (Advanced/Invention); A61F13/15 (Core/Invention)

International (IPC 1-7): A61F13/15

CPC: A61F13/47254 A61F13/74 A61F13/8405 A61F2013/842

European: A61F13/472C1B A61F13/74 A61F13/84B K61F13/84B1C

US: 2/406 604/359 604/360 604/395



Family:

Publication number	Publication date	Application number	Application date
AU199715811 A1	19980803	AU19970015811	19970113
US5593398 A	19970114	US19940248766	19940525
WO9830184 A1	19980716	WO1997US00815	19970113

Priority:

US19940248766 19940525 WO1997US00815 19970113

Probable Assignee: WEIMER CHESTER L

Assignee(s): (std): WEIMER CHESTER L

Assignee(s): CHESTER L WEIMER

Inventor(s): (std): WEIMER CHESTER L

Inventor(s): CHESTER L WEIMER

Designated states: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU199715811 A1	19980803	LSPB	+	published / reissued	
US5593398 A	19970114	LSGT	+	granted / extensions (spc, cpc, pte)	
US5593398 A	20000517	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5593398 A	20040625	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5593398 A	20090114	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5593398 A	20090209	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5593398 A	20090209	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5593398 A	20090303	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20090114
US5593398 A	20140525	PEXP		Calculated Patent Term Expiry	
WO9830184 A1	19980716	LSPB	+	published / reissued	
WO9830184 A1	19990520	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642

Title: PROTEASE INHIBITOR COMPOSITIONS FOR PREVENTION AND TREATMENT OF SKIN CONDITIONS

Abstract: Treatments for diaper rash that include a protease inhibitor and a polymer with which the inhibitor is delivered. In certain embodiments, the inhibitor may comprises glycine soja protein or dipalmitoyl hydroxyproline. The polymer binds to the skin, creates a non-occlusive barrier, and is substantially resistant to being washed or rubbed off. The invention also relates to methods of preparing such formulations and to methods of treating patients in need of treatments for skin conditions associated with prolonged exposure to enzymes present in human waste.

Classifications:

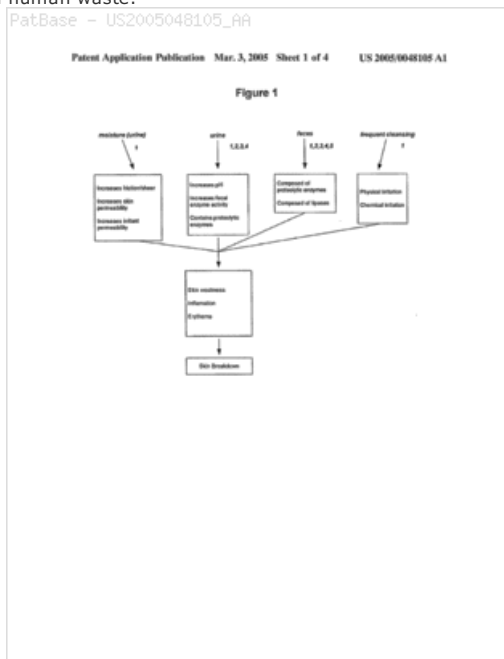
International (IPC 8-9): A61K31/401 A61K38/55 A61K8/44 A61K8/46 A61K8/49 A61K8/64 A61K8/66 A61K8/81 A61L15/46 A61Q17/00 A61Q19/00 (Advanced/Invention); A61K31/401 A61K38/55 A61K8/30 A61K8/72 A61L15/16 A61Q17/00 A61Q19/00 (Core/Invention)

International (IPC 1-7): A61K31/00 A61K31/401 A61K38/55 A61K7/48 A61K9/70 A61L15/46

CPC: A61K8/44 A61K8/4913 A61K8/645 A61K8/66 A61K8/8182 A61K31/401 A61K2800/75 A61K2800/782 A61Q17/00 A61Q19/00

European: A61K31/401 A61K8/44 A61K8/49C2 A61K8/64C A61K8/66 A61K8/81R4 A61Q17/00 A61Q19/00 K61K201/094 K61K800/75 K61K800/782

US: 424/449 424/449P 514/423 514/423S

**Family:**

Publication number	Publication date	Application number	Application date
US2005048105 AA	20050303	US20030651820	20030829
WO05020970 A2	20050310	WO2004IB03161	20040827
WO05020970 A3	20050707	WO2004IB03161	20040827

Priority:

US20030651820 20030829

Probable Assignee: SMITH AND NEPHEW PLC

Assignee(s): (std): MCNULTY AMY ; SMITH AND NEPHEW INC ; SMITH AND NEPHEW PLC

Assignee(s): MCNULTY AMY K ; RHODES TANYA JEANNETTE

Inventor(s): (std): MCNULTY AMY ; RHODES TANYA JEANNETTE ; MCNULTY AMY K

Inventor(s): RHODES TANYA

Agent(s): CHIEF PATENT COUNSEL SMITH AND NEPHEW INC

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 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)

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Patent	Date recorded	Event group	Code	Event	Details
US2005048105 AA	20050303	LSPB	+	published / reissued	
US2005048105 AA	20040308	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMITH & NEPHEW, INC., TENNESSEE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MCNULTY, AMY K.; RHODES, TANYA JEANNETTE; REEL/FRAME:015041/0867; SIGNING DATES FROM 20040220 TO 20040225
US2005048105 AA	20070305	LSWD	-ABD3	Abandoned - - Failure to Respond to an Office Action	
WO05020970 A2	20050310	LSPB	+	published / reissued	

WO05020970 A3	20061004	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO
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Title: HYDRAULIC UNIT

Abstract: Source: SU859673T **Machine translation:** I The invention relates to Turbomashinonostroeniye and may be used in micro electric x. Known hydroelectric containing the impeller with the generator and a guide unit fixed to the ground D}. hydrounits disadvantage is the complexity and bulkiness of the system controlling the rotational speed of the generator-j operator. object of the invention - providing automatic control of the speed of rotation of the generator. The goal is achieved in,, j on the basis of that is movable relative to the guide device in a plane tsego rotatably mounted spring-loaded arm of the generator equipped with a damper and a gene-JQ operator fixed to bracket. Fig. 1 shows the apparatus, the abundances of view; Fig. 2 - section A-A in Figure 1. Hydro impeller I comprises a generator 2 and sent to unit 3 tions fixed to the ground 4 which is movable relative to the guiding apparatus 3 in the plane of rotation of the generator 2 via a pivot arm 6 3 ustanoopen equipped demgfe rum 7 and spring 8. Hydro operates as follows. Unless payload. hydraulic unit, called the initial drive current reactive torque. Generator 2 is balanced spring force 8. At this position the axis of the impeller 1 offset to the axis of the guiding device 3 by an amount that corresponds to the use of the impeller hour whith strings energy which is necessary for rotating the mode generator 2 **colostomy** stroke (fig, 2).

Classifications:

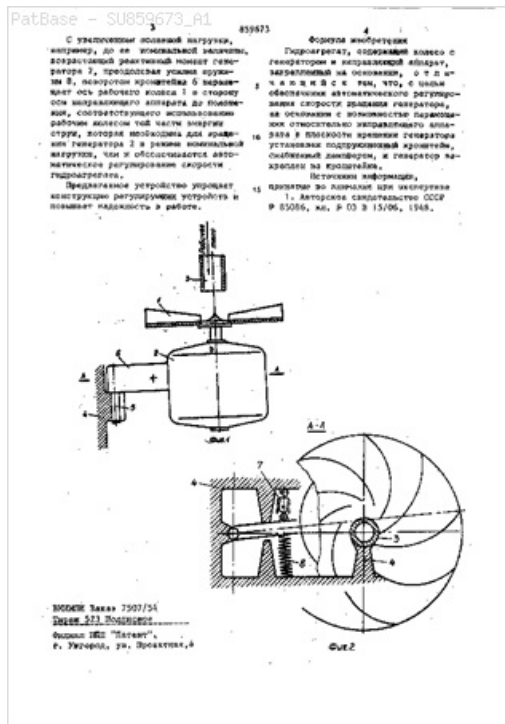
International (IPC 8-9): F03B15/08 (Advanced/Invention);

F03B15/00 (Core/Invention)

International (IPC 1-7): F03B15/08

CPC: Y02E10/226

European: Y02E10/22D



Family:

Publication number	Publication date	Application number	Application date
SU859673 A1	19810830	SU19802874572	19800121
SU859673 T	19810830	SU19802874572	19800121

Priority:

SU19802874572 19800121

Probable Assignee: KIRGIZ NI OTDEL ENERGETIKI

Assignee(s): (std): KIRGIZ NI OTDEL ENERGETIKI

Assignee(s): KIRGIZSKIY NI OTDEL ENERGETIKI

Inventor(s): (std): SEGIDA INGIR G ; ALEKSEENKO VLADIMIR N

Inventor(s): SEGIDA INGIR G SU ; ALEKSEENKO VLADIMIR N SU

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
SU859673 A1	19810830	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: TRANSCRANIAL DOPPLER PROBE MOUNTING ASSEMBLY WITH EXTERNAL COMPRESSION DEVICE/STRAP

Abstract: A TCD probe mounting assembly is provided comprising a TCD probe mounted in a pedestal which has affixed to the base thereof an adhesive material for adhesively securing the pedestal to a patient's head. The pedestal is designed to allow insertion of the TCD probe therein after the pedestal is secured to a patient's head and for holding the probe at a selected angulation by means of friction after the probe is inserted in the pedestal. An external compression device and strap member are supplied to provide alternative means for providing a force perpendicular to a patient's head in order to minimize the risk of air gaps between the probe and the patient's head.

Classifications:

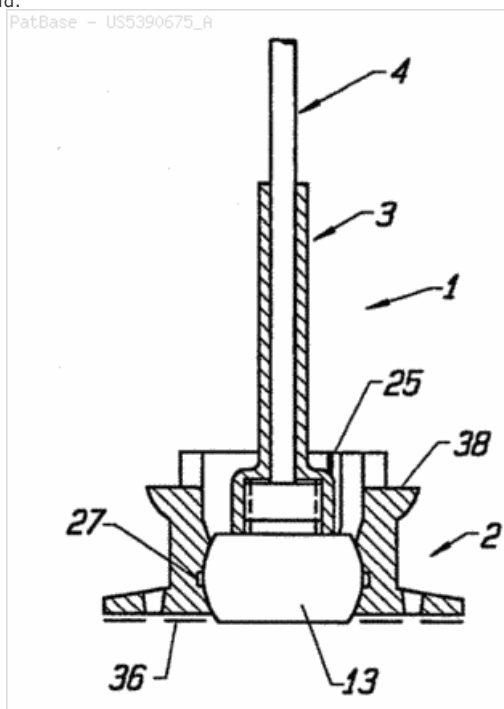
International (IPC 8-9): A61B8/00 (Advanced/Invention);
A61B8/00 (Core/Invention)

International (IPC 1-7): A61B8/00

CPC: A61B8/4281 A61B8/0808 A61B8/4209 A61B8/4227

European: A61B8/42B A61B8/42B4 A61B8/42F2

US: 128/661.07 128/662.03 128/662.04 600/453 600/459



Family:

Publication number	Publication date	Application number	Application date
US5390675 A	19950221	US19930132522	19931006

Priority:

US19930132522 19931006

Probable Assignee: MEDASONICS INC

Assignee(s): (std): MEDASONICS INC

Inventor(s): (std): SHEEHAN NEIL J ; BOROSS ANDRAS ; ZAKAR BARRY E ; ROSSMAN MARY E

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US5390675 A	19950221	LSGT	+	granted / extensions (spc, cpc, pte)	
US5390675 A	19931206	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MEDASONICS, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SHEEHAN, NEIL J.; BOROSS, ANDRAS; ZAKAR, BARRY E.; AND OTHERS; REEL/FRAME:006835/0436; SIGNING DATES FROM 19931129 TO 19931130
US5390675 A	19950209	LSGT	PAT1	Patented Case	
US5390675 A	19990221	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5390675 A	19990504	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19990221
US5390675 A	20180126	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5390675 A	20180126	LSLE	-STCH	INFORMATION ON	TEXT : PATENT EXPIRED DUE TO

			STATUS: PATENT DISCONTINUATION	NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5390675 A	20131006	PEXP	Calculated Patent Term Expiry	

Title: FLUSHABLE WIPES

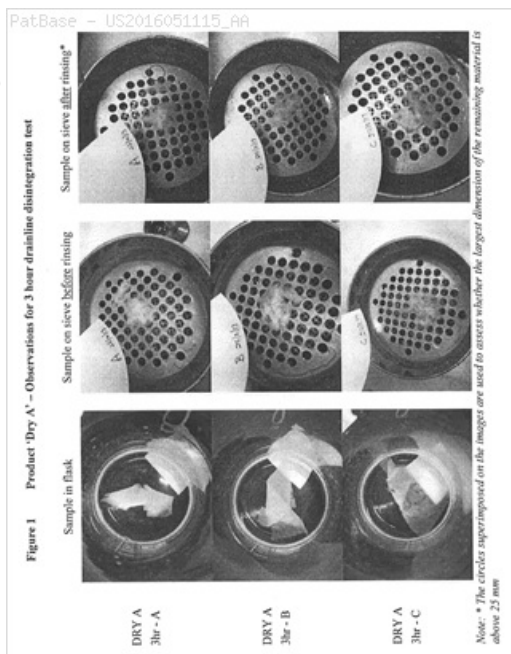
Abstract: A wipe comprises fibres selected from at least one of cellulosic material, polyvinyl acetate (PVA) or a combination thereof; together with a binder which is soluble in water at standard ambient temperature and pressure (SATP). The wipe can be flushed away and is suitable for carrying a solution. The wipe is especially suitable for carrying a solution for medical purposes.

Classifications:

International (IPC 8-9): A47K10/16 A47K10/32 A47L13/17 A61K8/02 A61K8/58 A61K8/73 A61K8/81 A61Q1/14 A61Q17/00 A61Q19/10 D04H1/425 D04H1/4291 D04H1/4309 D04H1/587 (Advanced/Invention)

CPC: D04H1/4291 A47K10/16 A61K8/891 A61K8/922 D04H1/4309 A47K10/32 A47K2010/3266 A47L13/17 A61K8/0208 A61K8/585 A61K8/731 A61K8/8135 A61Q1/14 A61Q17/005 A61Q19/10 D04H1/425 D04H1/587

US: 15/104.93 15/209.1 206/205 206/525



Family:

Publication number	Publication date	Application number	Application date
AU2014255777 AA	20151112	AU20140255777	20140415
AU2014255777 BB	20181108	AU20140255777	20140415
DE602014042296 D1	20190328	DE201460042296T	20140415
DK2986767 T3	20190423	DK20140721782T	20140415
EP2986767 A1	20160224	EP20140721782	20140415
EP2986767 B1	20190306	EP20140721782	20140415
GB201306833 A0	20130529	GB20130006833	20130415
GB2513124 A1	20141022	GB20130006833	20130415
GB2513124 B2	20181212	GB20130006833	20130415
US2016051115 AA	20160225	US20140784895	20140415
WO14170348 A1	20141023	WO2014EP57673	20140415

Priority:

GB20130006833 20130415 EP20140721782 20140415 WO2014EP57673 20140415

Probable Assignee: WELLAND MEDICAL LTD

Assignee(s): (std): WELLAND MEDICAL LTD

Assignee(s): WELLAND MEDICAL LIMITED

Inventor(s): (std): SMITH RORY ; RORY SMITH

Agent(s): ASHBY KEVIN MR; BECKER KURIG STRAUS; LOCK GRAHAM JAMES; LOCK GRAHAM JAMES ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC 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)

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Patent	Date recorded	Event group	Code	Event	Details
AU2014255777 AA	20151112	LSPB	+	published / reissued	
AU2014255777 BB	20181108	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2014255777 BB	20190307	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2014255777 BB	20340415	PEXP		Calculated Patent Term Expiry	
DK2986767 T3	20190423	LSGT	+	granted / extensions (spc, cpc, pte)	

DK2986767 T3	20340415	PEXP		Calculated Patent Term Expiry	
EP2986767 A1	20160224	LSPB	+	published / reissued	
EP2986767 A1	20160224	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20150918
EP2986767 A1	20170524	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20170421
EP2986767 A1	20181017	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20180920
EP2986767 B1	20190306	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2986767 B1	20190306	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2986767 B1	20190315	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2986767 B1	20190315	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 1104705 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20190315
EP2986767 B1	20190328	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602014042296 COUNTRY OF REF DOCUMENT : DE
EP2986767 B1	20190403	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2986767 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20190307 YEAR OF FEE PAYMENT : 6
EP2986767 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20190313 YEAR OF FEE PAYMENT : 6
EP2986767 B1	20190430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20190318 YEAR OF FEE PAYMENT : 6
EP2986767 B1	20190628	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20190418 YEAR OF FEE PAYMENT : 6
EP2986767 B1	20190725	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2986767 B1	20190731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20190731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20190731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306

EP2986767 B1	20190731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190606
EP2986767 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20190306 YEAR OF FEE PAYMENT : 6
EP2986767 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20190429 YEAR OF FEE PAYMENT : 6
EP2986767 B1	20190830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20190830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190607
EP2986767 B1	20190830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20190830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20190830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190606
EP2986767 B1	20190915	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 1104705 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20190306
EP2986767 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	COUNTRY OF REF DOCUMENT : ES NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF

				NATIONAL OFFICE TO EPO]	THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20191031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190706
EP2986767 B1	20191129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20191129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20191129	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2986767 B1	20191209	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602014042296 COUNTRY OF REF DOCUMENT : DE
EP2986767 B1	20191231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	COUNTRY OF REF DOCUMENT : LU

				[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20190415
EP2986767 B1	20191231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20191231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190706
EP2986767 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20190306
EP2986767 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20190430
EP2986767 B1	20200131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20190430
EP2986767 B1	20200212	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20191209
EP2986767 B1	20340415	PEXP		Calculated Patent Term Expiry	
GB2513124 A1	20141022	LSPB	+	published / reissued	
GB2513124 B2	20181212	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2513124 B2	20330415	PEXP		Calculated Patent Term Expiry	
US2016051115 AA	20160225	LSPB	+	published / reissued	
US2016051115 AA	20151026	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : WELLAND MEDICAL LIMITED, UNITED KINGDOM OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SMITH, RORY; REEL/FRAME:036876/0904 EFFECTIVE DATE : 20151016
US2016051115 AA	20170310	LSSES	NFA1	Non Final Action Mailed	
US2016051115 AA	20180704	LSSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2016051115 AA	20180706	LSSES	NFA1	Non Final Action Mailed	
US2016051115 AA	20190912	LSSES	NFA1	Non Final Action Mailed	
WO14170348 A1	20141023	LSPB	+	published / reissued	
WO14170348 A1	20150918	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2014721782 COUNTRY OF REF DOCUMENT : EP
WO14170348 A1	20151015	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14170348 A1	20151015	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14784895 COUNTRY OF REF DOCUMENT :

US

WO14170348 A1 20151112

LSNP

ENP

ENTRY INTO THE
NATIONAL PHASE IN:

REF DOCUMENT NUMBER :
2014255777
COUNTRY OF REF DOCUMENT :
AU
DATE OF REF DOCUMENT :
20140415
KIND CODE OF REF DOCUMENT
: A
DESIGNATED STATE(S) :

Title: MEDICAL APPARATUS

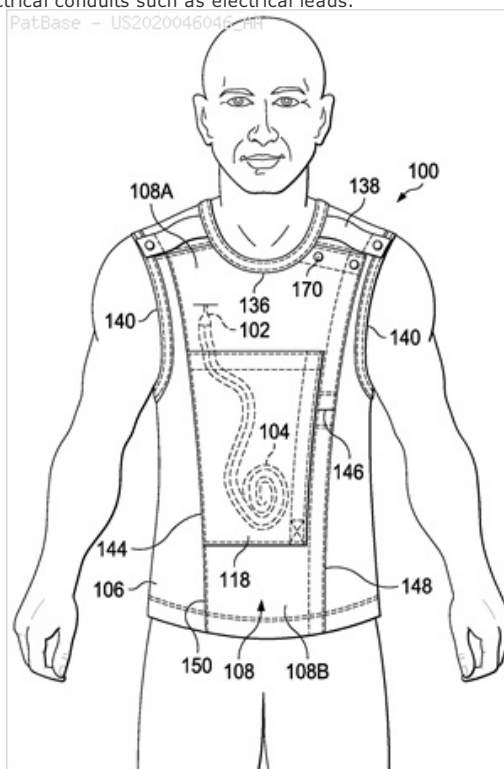
Abstract: Medical apparatuses for securing, protecting, retaining, and/or concealing various medical devices such as catheters or electrical leads are disclosed herein. The medical apparatus can be a garments which for use by a patient having a central venous catheter in place. Medical garments as disclosed herein can be used for a wide variety of medical devices attached to a patient, by implantation or otherwise, for varying lengths of time. Medical garments described herein may be used with any of a variety of medical devices which include or comprise one more conduits used for medical treatment or diagnosis, including conduits which comprise catheters as well as electrical conduits such as electrical leads.

Classifications:

International (IPC 8-9): A01K15/00 A41D1/00 A41D10/00

A41D13/12 A41D27/20 A61M25/02 (Advanced/Invention)

CPC: A41D13/1281 A61M2025/0206 A41D13/1245 A61M25/02

**Family:**

Publication number	Publication date	Application number	Application date
US2020046046 AA	20200213	US20190536131	20190808
US2020046047 AA	20200213	US20190536139	20190808
WO20033739 A1	20200213	WO2019US45771	20190808

Priority:

US20180716202P 20180808 US20190536131 20190808 US20190536139 20190808

Probable Assignee: BEN GUARD HEALTHCARE SOLUTIONS LLC

Assignee(s): (std): BEN GUARD HEALTHCARE SOLUTIONS LLC

Inventor(s): (std): BENTLEY RHONDA MCPARTLAND ; BENTLEY RHONDA

Agent(s): VANDRAKE VANCE V ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE 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
US2020046046 AA	20200213	LSPB	+	published / reissued	
US2020046047 AA	20200213	LSPB	+	published / reissued	
WO20033739 A1	20200213	LSPB	+	published / reissued	

Title: Pharmaceutical amides, and preparation, formulations and use of thereof

Abstract: Compounds of the general formula (I) wherein Ph is a phenyl group which is optionally substituted by one or more substituents selected from halo (i.e. fluoro, chloro, bromo or iodo), C1-4alkyl, amino, C1-4alkylamino, di-C1-4alkylamino, nitro, sulphonyl, aminosulphonyl, trihalomethyl, carboxy, C1-4alkoxycarbonyl, amido, C1-4alkylamido C1-4alkoxy, C2-4alkenyl, cyano, aminomethyl or methylsulphonyl; Ra and Rb, which may be the same or different, each represents a hydrogen or alkali metal (e.g. sodium or lithium) atom or a C1-4 (e.g. ethyl) group; m is 0 or 1; Y is a group of formula: -NH-CH₂-CO- or a group of formula: where R1 is hydrogen or methyl; R2 is alkyl of 1 to 3 carbon atoms or is methylthiomethyl; and Z is -OR3 or -NR4R5 where R3, R4 and R5 are each hydrogen or alkyl of 1 to 4 carbon atoms (i.e. methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, or t-butyl) and R3 can further be phenylalkyl having 1 to 3 carbon atoms in the alkylene moiety thereof, or phenyl; and basic salts thereof. These compounds have an advantageous enkephalinase inhibitory activity which renders the compounds useful in medical therapy, e.g. to prolong and/or potentiate in a mammal, the effects of endogenous or exogenous enkephalins. The latter includes synthetic enkephalin analogues.

Classifications:

International (IPC 8-9): C07F9/38 C07F9/40 (Advanced/Invention); C07F9/00 (Core/Invention)

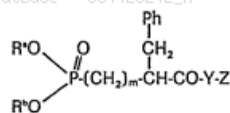
International (IPC 1-7): A61K31/215 A61K31/66 C07C69/612 C07F9/38 C07F9/40

CPC: C07F9/3808 C07F9/4006

European: C07F9/38A1 C07F9/40A1

US: 260/456A 260/465E 560/12 560/13 560/16 560/22 560/39 560/41 562/16 562/17 930/10 930/40 930/80 987/160 987/168

PatBase - US4423242_A



(I)



Family:

Publication number	Publication date	Application number	Application date
AU198288669 A1	19830331	AU19820088669	19820924
AU549310 B2	19860123	AU19820088669	19820924
DK425582 A	19830326	DK19820004255	19820924
EP0075334 A2	19830330	EP19820108858	19820924
EP0075334 A3	19840321	EP19820108858	19820924
GB2106115 A1	19830407	GB19820027348	19820924
GB2106115 B2	19850626	GB19820027348	19820924
JP58069894 A2	19830426	JP19820167461	19820925
NZ201997 A	19851213	NZ19820201997	19820924
US4423242 A	19831227	US19820422995	19820924
ZA8207002 A	19840530	ZA19820007002	19820924

Priority:

GB19810029055 19810925

Probable Assignee: WELLCOME FOUND

Assignee(s): (std): WELLCOME FOUND

Assignee(s): WELLCOME FOUNDATION LTD ; WELLCOME FOUND LTD THE ; WELLCOME FOUNDATION LIMITED THE ; WELLCOME FOUNDATION 183 193 EUSTON ROAD LONDON NW1 ; WELLCOME FOUNDATION LTD THE ; BURROUGHS WELLCOME CO ; BURROUGHS WELLCOME CO RESEARCH TRIANGLE PARK NC A ; THE WELLCOME FOUNDATION LIMITED ; THE WELLCOME FOUNDATION LTD

Inventor(s): (std): WILKINSON SAMUEL ; WRIGGLESWORTH ROGER ; HARDY GEORGE WILLIAM ; WILLIAM HARDY GEORGE ; ROJIYAA RITSUGURUSUWAASU ; JIYOOJI UIRIAMU HAADEI ; SAMUERU UIRUKINSON ; WRIGGLESWORTH R ; HARDY G W ; WILKINSON S ; HARDY GEORGE W

Inventor(s): GEORGE WILLIAM HARDY ; ROGER WRIGGLESWORTH ; SAMUEL WILKINSON

Agent(s): GRIFFITH HACK

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU198288669 A1	19830331	LSPB	+	published / reissued	
AU549310 B2	19860123	LSGT	+	granted / extensions (spc, cpc, pte)	
AU549310 B2	20020924	PEXP		Calculated Patent Term Expiry	
DK425582 A	19830326	LSPB	+	published / reissued	

DK425582 A	19870615	LSWD	-AHB	APPLICATION SHELVED DUE TO NON-PAYMENT	
EP0075334 A2	19830330	LSPB	+	published / reissued	
EP0075334 A3	19841128	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19840919
EP0075334 A3	19870715	LSRV	-18R	APPLICATION REFUSED	EFFECTIVE DATE : 19870213
GB2106115 A1	19830407	LSPB	+	published / reissued	
GB2106115 B2	19850626	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2106115 B2	19870513	LSLE	-PCNP	PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL FEE	
GB2106115 B2	20020924	PEXP		Calculated Patent Term Expiry	
JP58069894 A2	19830426	LSPB	+	published / reissued	
NZ201997 A	19851213	LSPB	+	published / reissued	
US4423242 A	19831227	LSGT	+	granted / extensions (spc, cpc, pte)	
US4423242 A	19830902	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BURROUGHS WELLCOME CO., RESEARCH TRIANGLE PARK, NC OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:WELLCOME FOUNDATION LIMITED THE; REEL/FRAME:004174/0227 EFFECTIVE DATE : 19830715
US4423242 A	19830902	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : WELLCOME FOUNDATION LIMITED THE, 183/193 EUSTON RO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:WILKINSON, SAMUEL; HARDY, GEORGE W.; WRIGGLESWORTH, ROGER; REEL/FRAME:004174/0222 EFFECTIVE DATE : 19830715
US4423242 A	19831027	LSGT	PAT1	Patented Case	
US4423242 A	19870102	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US4423242 A	19910116	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US4423242 A	19951224	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4423242 A	19960227	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19951227
US4423242 A	20180123	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US4423242 A	20180123	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
ZA8207002 A	19840530	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA8207002 A	20020923	PEXP		Calculated Patent Term Expiry	