

PatBase - Search results 18 April 2017

Search query (1): PN=(US2005283178 OR WO200134062 OR US6258099 OR US7682335 OR US7780629 OR US20010019751 OR US20020081404 OR US20030009151 OR US20090299327 OR US20130190796 OR US20060165926 OR US20090171278)

Results: 10

16-046982-2

Exam. Estefanía Páez.

Search history

Search PN=(US2005283178 OR WO200134062 OR US6258099 OR US7682335 OR US7780629 OR US20010019751 OR US20020081404 OR
1: US20030009151 OR US20090299327 OR US20130190796 OR US20060165926 OR US20090171278) (Results 10)

Title: BALLOONS MADE FROM LIQUID CRYSTAL POLYMER BLENDS

Abstract: Source: US2001019751A Balloons for use on medical devices such as catheter balloons are formed from polymer blend products which include a liquid crystal polymer (LCP), a crystallizable thermoplastic polymer, especially thermoplastic polyesters such as PET, and a compatibilizer. The compatibilizer may be an ethylene-maleic anhydride copolymer, an ethylene-methyl acrylate copolymer, an ethylene-methyl acrylate copolymer, an ethylene-methyl acrylate-maleic anhydride terpolymer, an ethylene-methyl-methacrylic acid terpolymer, an acrylic rubber, an ethylene-ethyl acrylate-glycidyl methacrylate terpolymer or a mixture of two or more such polymers.

Classifications:

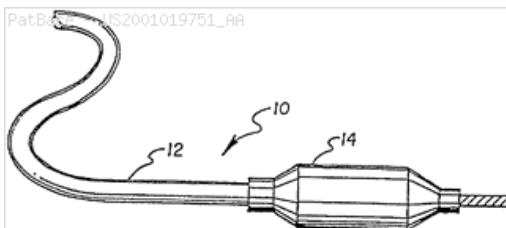
International (IPC 8-9): A61F2/958 A61L29/00 A61L29/04 A61L29/06 A61L29/12 A61L29/14 A61M25/00 A61M25/10 A61M25/16 A61M29/00 B29C47/00 B29D22/02 B29D23/00 (Advanced/Invention); A61F2/06 A61F2/84 A61F2/958 A61M25/10 B29C47/00 B29C47/24 B29C49/22 (Advanced/Non-invention); A61L29/00 A61M25/00 A61M25/10 B29C47/00 B29D22/00 B29D23/00 (Core/Invention); A61F2/06 A61F2/82 A61M25/10 B29C47/00 B29C47/20 (Core/Non-invention)

International (IPC 1-7): A61B17/22 A61F2/06 A61L29/00 A61L29/04 A61L29/06 A61L29/12 A61L29/14 A61M25/00 A61M25/10 A61M29/00 B29C47/00 B29C49/04 B29D22/02 B29D23/00 B32B1/02 B32B1/08 B32B25/02 C08L67/02 C08L77/00

CPC: B29C47/0014 A61L29/12 B29C47/24 Y10T428/1334 Y10T428/139 Y10T428/1393 Y10T428/1386 Y10T428/1397 Y10T428/1352 Y10T428/1341 Y10T428/1372 A61M25/0009 A61M25/1029 A61F2/958 A61L29/049 A61L29/14 A61M25/10 A61M2025/1084 B29L2031/7542 A61L29/126 A61M25/1027 B29C49/0005 B29C49/04 B29C49/22 B29L2022/022 A61M2025/1031 B29C47/0004 B29C47/0023 B29K2077/00 B29K2105/06 B29K2105/14 B29L2022/00 Y10T428/31797

European: A61L29/04M A61L29/12 A61L29/12D A61L29/14 A61M25/00G A61M25/10 A61M25/10G1 B29C49/00B K61F2/06S2B K61F2/958 K61M25/10 K61M25/10G K61M25/10G1A K61M25/10Z18 L29C47/00B L29C47/24 L29C49/04 L29C49/22 L29K105/06 L29K105/14 L29K77/00 L29L22/00 L29L22/02B L29L31/7542

US: 264/108 264/171.24 264/171.27 264/171.28 264/172.12 264/172.13 264/209.5 264/454 264/535 264/54 264/540 264/540S 428/35.2 428/35.200P 428/35.4 428/35.400S 428/35.5 428/35.7 428/35.700P 428/36.4 428/36.8 428/36.9 428/36.900S 428/36.91 428/36.910S 428/36.92 428/483 525/165 525/166 525/178 525/179 525/314 604/103.06 604/103.09 604/103.11 604/264 604/288.01 604/524 604/93.01 604/95.01 604/96.01 606/192 606/192P



Family:

Publication number	Publication date	Application number	Application date
AT227590 E	20021115	AT19980944724T	19980904
AT264122 E	20040415	AT20000910181T	20000215
AT337803 E	20060915	AT20000989702T	20001025
AT407711 E	20080915	AT20020746483T	20020606
AT429938 E	20090515	AT20000009019T	20000215
AT451939 E	20100115	AT20000017985T	20001025
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CA2301533 C	20060815	CA19982301533	19980904
CA2362607 AA	20010824	CA20002362607	20000215
CA2362607 C	20090804	CA20002362607	20000215
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CA2386943 C	20090630	CA20002386943	20001025
CA2451189 AA	20031219	CA20022451189	20020606
CA2451189 C	20110614	CA20022451189	20020606
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DE69809457 D1	20021219	DE19986009457	19980904
DE69809457 T2	20030828	DE19986009457T	19980904
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EP1019110 B1	20021113	EP19980944724	19980904
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EP1331016 A3	20050817	EP20030009019	20000215
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EP1397169 B1	20080910	EP20020746483	20020606
EP1743664 A1	20070117	EP20060017985	20001025
EP1743664 B1	20091216	EP20060017985	20001025
ES2314070 T3	20090316	ES20020746483T	20020606
ES2326367 T3	20091008	ES20030009019T	20000215
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JP2014076369 A2	20140501	JP20130232054	20131108
JP3554705 B2	20040818	JP20000510483T	19980904
JP4808349 B2	20111102	JP20010536072T	20001025
JP4954372 B2	20120613	JP20000600715	20000215

US2001019751 AA	20010906	US20010810361	20010319
US2001043998 AA	20011122	US20010885568	20010620
US2002045017 AA	20020418	US20010012872	20011212
US2003091765 AA	20030515	US20020320937	20021216
US2005234500 AA	20051020	US20050150926	20050613
US6242063 BA	20010605	US19970926905	19970910
US6284333 BA	20010904	US19990257677	19990225
US6905743 BA	20050614	US20000696378	20001025
US6977103 BB	20051220	US20010885568	20010620
US7026026 BB	20060411	US20020320937	20021216
US7101597 BB	20060905	US20010012872	20011212
WO0050105 A2	20000831	WO2000US03821	20000215
WO0050105 A3	20001214	WO2000US03821	20000215
WO0134062 A2	20010517	WO2000US41566	20001025
WO0134062 A3	20011227	WO2000US41566	20001025
WO03000307 A1	20030103	WO2002US18248	20020606
WO9912586 A2	19990318	WO1998US18345	19980904
WO9912586 A3	19990603	WO1998US18345	19980904

Priority:

EP20000910181	20000215	EP20000989702	20001025	JP20000600715	20000215
JP20090239288	20000215	US20010012872	20011212	US20000696378	20001025
US19990426384	19991025	US20010885568	20010620	US19990257677	19990225
US19970926905	19970910	US20010810361	20010319	US20020320937	20021216
US20050150926	20050613	WO2000US41566	20001025	WO1998US18345	19980904
WO2000US03821	20000215	WO2002US18248	20020606		

Probable Assignee: BOSTON SCIENTIFIC SCIMED INC

Assignee(s): (std): SCIMED LIFE SYSTEMS INC ; WANG LIXIAO ; WANG YIQUN ; CHIN ALBERT C C ; CHEN JOHN J ; BOSTON SCIENT LTD ; BOSTON SCIENT SCIMED INC ; BOSTON SCIENTIFIC LIMITED

Assignee(s): BARRY RALPH J ; BOSTON SCIENTIFIC LTD ; BOSTON SCIENTIFIC LTD ST MICHAEL ; BOSTON SCIENTIFIC SCIMED INC ; CHEN JIANHUA ; FERRERA DAVID A ; MICHAELS GEORGE C ; CHEN JOHN JIANHUA

Inventor(s): (std): BARRY J ; BARRY RALPH J ; CHEN JIANHUA ; CHEN JOHN ; CHEN JOHN J ; CHEN JOHN JIANHUA ; CHIN ALBERT ; CHIN ALBERT C ; CHIN ALBERT C C ; CHIN C ; FERRERA A ; FERRERA DAVID A ; MICHAELS C ; MICHAELS GEORGE C ; WANG LIXIAO ; WANG YIQUN

Inventor(s): CHIN ALBERT CC

Agent(s): PIASETZKI AND NENNIGER LLP; PIASETZKI NENNIGER KVAS LLP; HAUCK PATENT- UND RECHTSANWAELTE; HAUCK PATENT UND RECHTSANWAELTE; ONDA MAKOTO; ONDA HIRONORI; VIDAS ARRETT AND STEINKRAUS PA; VIDAS ARRETT AND STEINKRAUS; VIBAS ARRETT AND STEINKRAUS

Designated states: AL AT BE CA CH CY DE DK ES FI FR GB GR IE IT JP LI LT LU LV MC MK NL PT RO SE SI TR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT227590 E	20021115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT227590 E	20030515	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT264122 E	20040415	LSGT	+	granted / extensions (spc, cpc, pte)	
AT264122 E	20041015	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT337803 E	20060915	LSGT	+	granted / extensions (spc, cpc, pte)	
AT337803 E	20070215	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT407711 E	20080915	LSGT	+	granted / extensions (spc, cpc, pte)	
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cpc, pte)					
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CA2301533 AA	20000223	LSNP	+AFNE	NATIONAL PHASE ENTRY	
CA2301533 AA	20011121	LSES	+EEER	EXAMINATION REQUEST	
CA2301533 AA	20131016	LSLE	-MKLA	LAPSED	EFFECTIVE DATE : 20130904
CA2301533 C	20060815	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP1019110 A2	20001011	LSRE	RIN1	INVENTOR (CORRECTION)	INVENTOR NAME : MICHAELS, GEORGE, C.
EP1019110 A2	20001011	LSRE	RIN1	INVENTOR (CORRECTION)	INVENTOR NAME : WANG, LIXIAO
EP1019110 A2	20001011	LSRE	RIN1	INVENTOR (CORRECTION)	INVENTOR NAME : CHEN, JIANHUA
EP1019110 A2	20001011	LSRE	RIN1	INVENTOR (CORRECTION)	INVENTOR NAME : FERRERA, DAVID, A.
EP1019110 A2	20001011	LSRE	RIN1	INVENTOR (CORRECTION)	INVENTOR NAME : BARRY, RALPH, J.
EP1019110 A2	20010207	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20001221
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EP1019110 A2	20021115	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP

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EP1019110 A2	20121231	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20120829 YEAR OF FEE PAYMENT : 15
EP1019110 A2	20130417	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : V1 EFFECTIVE DATE : 20130401

EP1019110 A2	20130529	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL FEE	EFFECTIVE DATE : 20120904
EP1019110 A2	20130628	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20130531
EP1019110 A2	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : GB DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20120904
EP1019110 A2	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : FR DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20121001
EP1019110 A2	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : IT DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20120904
EP1019110 A2	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : NL DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20130401
EP1019110 A2	20131031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20130829 YEAR OF FEE PAYMENT : 16
EP1019110 A2	20131031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20130910 YEAR OF FEE PAYMENT : 16
EP1019110 A2	20150312	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 69809457 COUNTRY OF REF DOCUMENT : DE OWNER NAME : BOSTON SCIENTIFIC LIMITED, BM DESCRIPTION : FORMER OWNER: BOSTON SCIENTIFIC LTD., ST. MICHAEL, BARBADOS, BB EFFECTIVE DATE : 20150202
EP1019110 A2	20150401	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 69809457 COUNTRY OF REF DOCUMENT : DE
EP1019110 A2	20150617	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP1019110 A2	20150625	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 69809457 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20150401
EP1019110 A2	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : DE DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20150401
EP1019110 A2	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO	REF COUNTRY CODE : IE DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20140904

EPO					
EP1019110 B1	20021113	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1154808 A2	20011121	LSPB	+	published / reissued	
EP1154808 A2	20011121	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20010901
EP1154808 A2	20020213	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : WANG, LIXIAO
EP1154808 A2	20020213	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : CHEN, JIANHUA
EP1154808 A2	20020327	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20020208
EP1154808 A2	20030910	LSRE	RTI1	TITLE (CORRECTION)	TEXT : A BALLOON FOR MEDICAL DEVICES MADE FROM POLYMER BLENDS CONTAINING LOW MELTING TEMPERATURE LIQUID CRYSTAL POLYMERS
EP1154808 A2	20030924	LSRE	RTI1	TITLE (CORRECTION)	TEXT : A BALLOON FOR MEDICAL DEVICES MADE FROM POLYMER BLENDS CONTAINING LOW MELTING TEMPERATURE LIQUID CRYSTAL POLYMERS
EP1154808 A2	20040414	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20040414
EP1154808 A2	20040414	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20040414
EP1154808 A2	20040414	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20040414
EP1154808 A2	20040414	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20040414
EP1154808 A2	20040414	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20040414
EP1154808 A2	20040414	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1154808 A2	20040415	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1154808 A2	20040519	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1154808 A2	20040714	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20040714
EP1154808 A2	20040714	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A

				ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20040714
EP1154808 A2	20040714	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20040714
EP1154808 A2	20040725	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20040725
EP1154808 A2	20041029	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1154808 A2	20050215	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20050215
EP1154808 A2	20050215	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20050215
EP1154808 A2	20050228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20050228
EP1154808 A2	20050406	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20050117
EP1154808 A2	20080102	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20040914
EP1154808 A2	20150312	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : BOSTON SCIENTIFIC LIMITED, BM REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 60009866 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: BOSTON SCIENTIFIC LTD., ST. MICHAEL, BARBADOS, BB EFFECTIVE DATE : 20150202
EP1154808 A2	20160108	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
EP1154808 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160209 YEAR OF FEE PAYMENT : 17
EP1154808 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20160209 YEAR OF FEE PAYMENT : 17
EP1154808 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160222 YEAR OF FEE PAYMENT : 17
EP1154808 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160210 YEAR OF FEE PAYMENT : 17

EP1154808 A2	20160531	LSFE	+PGFP	NATIONAL OFFICE POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160108 YEAR OF FEE PAYMENT : 17
EP1154808 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160210 YEAR OF FEE PAYMENT : 17
EP1154808 A2	20170112	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 : 18
EP1154808 B1	20040414	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1223992 A2	20020724	LSPB	+	published / reissued	
EP1223992 A2	20020724	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20020420
EP1223992 A2	20020821	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : CHEN, JOHN, JIANHUA
EP1223992 A2	20020821	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : WANG, LIXIAO
EP1223992 A2	20020821	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : WANG, YIQUN
EP1223992 A2	20020821	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : CHIN, ALBERT, C., C.
EP1223992 A2	20020904	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : CHEN, JOHN, JIANHUA
EP1223992 A2	20020904	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : WANG, LIXIAO
EP1223992 A2	20020904	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : WANG, YIQUN
EP1223992 A2	20020904	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : CHIN, ALBERT, C., C.
EP1223992 A2	20050209	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20041227
EP1223992 A2	20060830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20060830
EP1223992 A2	20060830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20060830
EP1223992 A2	20060830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20060830
EP1223992 A2	20060830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20060830
EP1223992 A2	20060830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE

				INFORM. FROM NAT. OFFICE TO EPO	PREScribed TIME-LIMIT LAPSED DATE : 20060830
EP1223992 A2	20060830	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1223992 A2	20060830	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : CHEN, JOHN, JIANHUA
EP1223992 A2	20060830	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : WANG, LIXIAO
EP1223992 A2	20060830	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : WANG, YIQUN
EP1223992 A2	20060830	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : CHIN, ALBERT, C., C.
EP1223992 A2	20060929	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1223992 A2	20061004	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1223992 A2	20061031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20061031
EP1223992 A2	20061130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT LAPSED DATE : 20061130
EP1223992 A2	20061130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20061130
EP1223992 A2	20061211	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20061211
EP1223992 A2	20070212	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20070212
EP1223992 A2	20070228	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1223992 A2	20070808	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20070531
EP1223992 A2	20080430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20061201
EP1223992 A2	20080731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20061025
EP1223992 A2	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM	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

				NAT. OFFICE TO EPO	LAPSED DATE : 20060830
EP1223992 A2	20110331	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20101013 YEAR OF FEE PAYMENT : 11
EP1223992 A2	20120430	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : *BOSTON SCIENTIFIC LTD EFFECTIVE DATE : 20111031
EP1223992 A2	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20111031
EP1223992 A2	20150312	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : BOSTON SCIENTIFIC LIMITED, BM REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 60030459 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: BOSTON SCIENTIFIC LTD., ST. MICHAEL, BARBADOS, BB EFFECTIVE DATE : 20150202
EP1223992 A2	20160129	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20151021 YEAR OF FEE PAYMENT : 16
EP1223992 A2	20160129	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20151012 YEAR OF FEE PAYMENT : 16
EP1223992 A2	20160129	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20151020 YEAR OF FEE PAYMENT : 16
EP1223992 A2	20160229	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20151012 YEAR OF FEE PAYMENT : 16
EP1223992 A2	20160919	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
EP1223992 A2	20161130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160919 YEAR OF FEE PAYMENT : 17
EP1223992 A2	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20161018 YEAR OF FEE PAYMENT : 17
EP1223992 A2	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20161010 YEAR OF FEE PAYMENT : 17
EP1223992 A2	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20161010 YEAR OF FEE PAYMENT : 17
EP1223992 A2	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20161019 YEAR OF FEE PAYMENT : 17
EP1223992 B1	20060830	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1331016 A2	20030730	LSPB	+	published / reissued	
EP1331016 A2	20030730	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20030507

EP1331016 A2	20031008	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : WANG, LIXIAO
EP1331016 A2	20031008	LSRE	RIN1	INVENTOR (CORRECTION)	PARTYTYPE : INVENTOR INVENTOR : CHEN, JIANHUA
EP1331016 A2	20050817	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7A 61L 29/06 A
EP1331016 A2	20050817	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7A 61L 29/14 B
EP1331016 A2	20050817	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7A 61L 29/04 B
EP1331016 A2	20050817	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7A 61M 25/00 B
EP1331016 A2	20060510	LSFE	+AKX	PAYMENT OF DESIGNATION FEES	COUNTRY OF REF DOCUMENT : AT COUNTRY OF REF DOCUMENT : BE COUNTRY OF REF DOCUMENT : CH COUNTRY OF REF DOCUMENT : CY COUNTRY OF REF DOCUMENT : DE COUNTRY OF REF DOCUMENT : DK COUNTRY OF REF DOCUMENT : ES COUNTRY OF REF DOCUMENT : FI COUNTRY OF REF DOCUMENT : FR COUNTRY OF REF DOCUMENT : GB COUNTRY OF REF DOCUMENT : GR COUNTRY OF REF DOCUMENT : IE COUNTRY OF REF DOCUMENT : IT COUNTRY OF REF DOCUMENT : LI COUNTRY OF REF DOCUMENT : LU COUNTRY OF REF DOCUMENT : MC COUNTRY OF REF DOCUMENT : NL COUNTRY OF REF DOCUMENT : PT COUNTRY OF REF DOCUMENT : SE
EP1331016 A2	20061011	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20060911
EP1331016 A2	20090429	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1331016 A2	20090430	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1331016 A2	20090610	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1331016 A2	20091008	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2326367 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP1331016 A2	20091030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20090429
EP1331016 A2	20091030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20090429
EP1331016 A2	20091030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20090829
EP1331016 A2	20091130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO	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 : 20090729

EP1331016 A2	20100129	LSLE	-PG25	EPO LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20090429
EP1331016 A2	20100407	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20100201
EP1331016 A2	20100930	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1331016 A2	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100228
EP1331016 A2	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20090730
EP1331016 A2	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100228
EP1331016 A2	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100301
EP1331016 A2	20110729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20110309 YEAR OF FEE PAYMENT : 12
EP1331016 A2	20120831	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : BOSTON SCIENTIFIC LIMITED EFFECTIVE DATE : 20120228
EP1331016 A2	20120831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20090429
EP1331016 A2	20120928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100215
EP1331016 A2	20121231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120228
EP1331016 A2	20150312	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : BOSTON SCIENTIFIC LIMITED, BM REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 60042129 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: BOSTON SCIENTIFIC LTD., ST. MICHAEL, BARBADOS, BB EFFECTIVE DATE : 20150202

EP1331016 A2	20160108	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
EP1331016 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160113 YEAR OF FEE PAYMENT : 17
EP1331016 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160209 YEAR OF FEE PAYMENT : 17
EP1331016 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20160209 YEAR OF FEE PAYMENT : 17
EP1331016 A2	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160222 YEAR OF FEE PAYMENT : 17
EP1331016 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160108 YEAR OF FEE PAYMENT : 17
EP1331016 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160210 YEAR OF FEE PAYMENT : 17
EP1331016 A2	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160210 YEAR OF FEE PAYMENT : 17
EP1331016 A2	20170112	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 : 18
EP1331016 B1	20090429	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1397169 A1	20040317	LSPB	+	published / reissued	
EP1397169 A1	20040317	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20040107
EP1397169 A1	20080910	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1397169 A1	20080915	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1397169 A1	20081015	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1397169 A1	20090316	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2314070 KIND CODE OF REF DOCUMENT : T3
EP1397169 A1	20090331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : AT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20080910
EP1397169 A1	20090331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : FI DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20080910
EP1397169 A1	20090529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO	REF COUNTRY CODE : PT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20090210

EP1397169 A1	20090731	LSLE	-PG25	EPO LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : DK DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20080910
EP1397169 A1	20090731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20090625 YEAR OF FEE PAYMENT : 08
EP1397169 A1	20090731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20090423 YEAR OF FEE PAYMENT : 08
EP1397169 A1	20090731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : NL PAYMENT DATE : 20090611 YEAR OF FEE PAYMENT : 08
EP1397169 A1	20090819	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20090611
EP1397169 A1	20090831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20090622 YEAR OF FEE PAYMENT : 08
EP1397169 A1	20090831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20090605 YEAR OF FEE PAYMENT : 08
EP1397169 A1	20091130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20090630 YEAR OF FEE PAYMENT : 08
EP1397169 A1	20091130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20090507 YEAR OF FEE PAYMENT : 08
EP1397169 A1	20100129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : SE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20081210
EP1397169 A1	20100129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : MC DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20090630
EP1397169 A1	20100129	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1397169 A1	20100226	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : BE PAYMENT DATE : 20090710 YEAR OF FEE PAYMENT : 08
EP1397169 A1	20100430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CH DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20090630
EP1397169 A1	20100430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LI DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20090630
EP1397169 A1	20100730	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20100617 YEAR OF FEE PAYMENT : 09
EP1397169 A1	20100730	LSFE	+PGFP	POSTGRANT:	REF COUNTRY CODE : FR

EP1397169 A1	20100730	LSFE	+PGFP	ANNUAL FEES PAID TO NATIONAL OFFICE POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	PAYMENT DATE : 20100617 YEAR OF FEE PAYMENT : 09 REF COUNTRY CODE : IE PAYMENT DATE : 20100513 YEAR OF FEE PAYMENT : 09
EP1397169 A1	20100831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20100626 YEAR OF FEE PAYMENT : 09
EP1397169 A1	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : GR DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20081211
EP1397169 A1	20101029	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : BE PAYMENT DATE : 20100630 YEAR OF FEE PAYMENT : 09
EP1397169 A1	20101029	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : NL PAYMENT DATE : 20100607 YEAR OF FEE PAYMENT : 09
EP1397169 A1	20101130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20100401 YEAR OF FEE PAYMENT : 09
EP1397169 A1	20101130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20100630 YEAR OF FEE PAYMENT : 09
EP1397169 A1	20110429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LU DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20090606
EP1397169 A1	20110729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20110613 YEAR OF FEE PAYMENT : 10
EP1397169 A1	20110729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20110603 YEAR OF FEE PAYMENT : 10
EP1397169 A1	20110729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20110525 YEAR OF FEE PAYMENT : 10
EP1397169 A1	20110831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20110523 YEAR OF FEE PAYMENT : 10
EP1397169 A1	20110831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : NL PAYMENT DATE : 20110615 YEAR OF FEE PAYMENT : 10
EP1397169 A1	20110930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CY DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20080910
EP1397169 A1	20110930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : TR DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20080910
EP1397169 A1	20110930	LSFE	+PGFP	POSTGRANT: ANNUAL FEES	REF COUNTRY CODE : IT PAYMENT DATE : 20110616

EP1397169 A1	20111130	LSFE	+PGFP	PAID TO NATIONAL OFFICE POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	YEAR OF FEE PAYMENT : 10 REF COUNTRY CODE : DE PAYMENT DATE : 20110630 YEAR OF FEE PAYMENT : 10
EP1397169 A1	20111231	LSLE	-BERE	BE: LAPSED	OWNER NAME : BOSTON SCIENTIFIC LIMITED EFFECTIVE DATE : 20110630
EP1397169 A1	20120330	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : BE DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20110630
EP1397169 A1	20120731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20120530 YEAR OF FEE PAYMENT : 11
EP1397169 A1	20120731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20120612 YEAR OF FEE PAYMENT : 11
EP1397169 A1	20120731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : NL PAYMENT DATE : 20120614 YEAR OF FEE PAYMENT : 11
EP1397169 A1	20120731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : NL PAYMENT DATE : 20120614 YEAR OF FEE PAYMENT : 11
EP1397169 A1	20120831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20120619 YEAR OF FEE PAYMENT : 11
EP1397169 A1	20120831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20120606 YEAR OF FEE PAYMENT : 11
EP1397169 A1	20120831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20120619 YEAR OF FEE PAYMENT : 11
EP1397169 A1	20120928	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20120618 YEAR OF FEE PAYMENT : 11
EP1397169 A1	20120928	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20120618 YEAR OF FEE PAYMENT : 11
EP1397169 A1	20130731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20130611 YEAR OF FEE PAYMENT : 12
EP1397169 A1	20130731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20130529 YEAR OF FEE PAYMENT : 12
EP1397169 A1	20130731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20130605 YEAR OF FEE PAYMENT : 12
EP1397169 A1	20130830	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20130614 YEAR OF FEE PAYMENT : 12
EP1397169 A1	20130830	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20130624 YEAR OF FEE PAYMENT : 12
EP1397169 A1	20130830	LSFE	+PGFP	POSTGRANT:	REF COUNTRY CODE : NL

				ANNUAL FEES PAID TO NATIONAL OFFICE	PAYMENT DATE : 20130608 YEAR OF FEE PAYMENT : 12
EP1397169 A1	20131018	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20131018
EP1397169 A1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : ES DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20120607
EP1397169 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20140610 YEAR OF FEE PAYMENT : 13
EP1397169 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20140604 YEAR OF FEE PAYMENT : 13
EP1397169 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20140611 YEAR OF FEE PAYMENT : 13
EP1397169 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20140603 YEAR OF FEE PAYMENT : 13
EP1397169 A1	20141031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : NL PAYMENT DATE : 20140610 YEAR OF FEE PAYMENT : 13
EP1397169 A1	20141128	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20140609 YEAR OF FEE PAYMENT : 13
EP1397169 A1	20150312	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 60228835 COUNTRY OF REF DOCUMENT : DE OWNER NAME : BOSTON SCIENTIFIC LIMITED, BM DESCRIPTION : FORMER OWNER: BOSTON SCIENTIFIC LTD., ST. MICHAEL, BARBADOS, BB EFFECTIVE DATE : 20150202
EP1397169 A1	20150731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20150602 YEAR OF FEE PAYMENT : 14
EP1397169 A1	20150831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20150608 YEAR OF FEE PAYMENT : 14
EP1397169 A1	20150831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20150609 YEAR OF FEE PAYMENT : 14
EP1397169 A1	20150831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : NL PAYMENT DATE : 20150609 YEAR OF FEE PAYMENT : 14
EP1397169 A1	20151231	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20150625 YEAR OF FEE PAYMENT : 14
EP1397169 A1	20160224	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL FEE	EFFECTIVE DATE : 20150606
EP1397169 A1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA	REF COUNTRY CODE : GB DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20150606

				POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	
EP1397169 A1	20160516	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 15
EP1397169 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20160609 YEAR OF FEE PAYMENT : 15
EP1397169 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20160601 YEAR OF FEE PAYMENT : 15
EP1397169 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : NL PAYMENT DATE : 20160610 YEAR OF FEE PAYMENT : 15
EP1397169 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20160516 YEAR OF FEE PAYMENT : 15
EP1397169 A1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20160621 YEAR OF FEE PAYMENT : 15
EP1397169 B1	20080910	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1743664 A1	20070117	LSPB	+	published / reissued	
EP1743664 A1	20070815	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20070704
EP1743664 A1	20070919	LSFE	+AKX	PAYMENT OF DESIGNATION FEES	COUNTRY OF REF DOCUMENT : AT COUNTRY OF REF DOCUMENT : BE COUNTRY OF REF DOCUMENT : CH COUNTRY OF REF DOCUMENT : CY COUNTRY OF REF DOCUMENT : DE COUNTRY OF REF DOCUMENT : DK COUNTRY OF REF DOCUMENT : ES COUNTRY OF REF DOCUMENT : FI COUNTRY OF REF DOCUMENT : FR COUNTRY OF REF DOCUMENT : GB COUNTRY OF REF DOCUMENT : GR COUNTRY OF REF DOCUMENT : IE COUNTRY OF REF DOCUMENT : IT COUNTRY OF REF DOCUMENT : LI COUNTRY OF REF DOCUMENT : LU COUNTRY OF REF DOCUMENT : MC COUNTRY OF REF DOCUMENT : NL COUNTRY OF REF DOCUMENT : PT COUNTRY OF REF DOCUMENT : SE
EP1743664 A1	20070926	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20070827
EP1743664 A1	20091216	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1743664 A1	20091231	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1743664 A1	20100120	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1743664 A1	20100421	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20091216
EP1743664 A1	20100430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : FI 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 : 20091216
EP1743664 A1	20100430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM	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

EP1743664 A1	20100630	LSLE	-PG25	NAT. OFFICE TO EPO LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	LAPSED DATE : 20091216 COUNTRY OF REF DOCUMENT : AT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20091216
EP1743664 A1	20100730	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20100327
EP1743664 A1	20100730	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20091216
EP1743664 A1	20100730	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100416
EP1743664 A1	20100831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20091216
EP1743664 A1	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20091216
EP1743664 A1	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20100317
EP1743664 A1	20101124	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20100917
EP1743664 A1	20110131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20091216
EP1743664 A1	20110331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20091216
EP1743664 A1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20101031
EP1743664 A1	20110531	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1743664 A1	20110629	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20101025
EP1743664 A1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONNOFLAPSE : LAPSE

EP1743664 A1	20110729	LSLE	-PG25	STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20101031
EP1743664 A1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20101102
EP1743664 A1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20101031
EP1743664 A1	20110729	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20110630
EP1743664 A1	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20101025
EP1743664 A1	20120928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20101025
EP1743664 A1	20150312	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : BOSTON SCIENTIFIC LIMITED, BM REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 60043553 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: BOSTON SCIENTIFIC LTD., ST. MICHAEL, BARBADOS, BB EFFECTIVE DATE : 20150202
EP1743664 A1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20161010 YEAR OF FEE PAYMENT : 17
EP1743664 A1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20161018 YEAR OF FEE PAYMENT : 17
EP1743664 B1	20091216	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2314070 T3	20090316	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2326367 T3	20091008	LSGT	+	granted / extensions (spc, cpc, pte)	
JP2001515764 T2	20010925	LSPB	+	published / reissued	
JP2002537074 T2	20021105	LSPB	+	published / reissued	
JP2002537074 T2	20120223	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01
JP2002537074 T2	20120322	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20120314
JP2002537074 T2	20120323	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R150

JP2002537074 T2	20120326	LSFE	+FPAY	OF UTILITY MODEL RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20150323 YEAR OF FEE PAYMENT : 3
JP2003513702 T2	20030415	LSPB	+	published / reissued	
JP2003513702 T2	20110216	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20110215
JP2003513702 T2	20110803	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20110802
JP2003513702 T2	20110825	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20110817
JP2004531330 T2	20041014	LSPB	+	published / reissued	
JP2004531330 T2	20050404	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20050401
JP2004531330 T2	20070516	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20070515
JP2004531330 T2	20080220	LSRV	-A02	DECISION OF REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20080219
JP2010005477 A2	20100114	LSPB	+	published / reissued	
JP2010005477 A2	20091112	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20091111
JP2010005477 A2	20120613	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20120612
JP2010005477 A2	20120828	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120827
JP2010005477 A2	20121031	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A132 EFFECTIVE DATE : 20121030
JP2010005477 A2	20130228	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20130227
JP2010005477 A2	20130710	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130709
JP2010005477 A2	20140226	LSRV	-A02	DECISION OF REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20140225
JP2014076369 A2	20140501	LSPB	+	published / reissued	
JP2014076369 A2	20141105	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20141104
JP2014076369 A2	20150408	LSRV	-A02	DECISION OF REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20150407
JP3554705 B2	20040818	LSGT	+	granted / extensions (spc, cpc, pte)	
JP3554705 B2	20040129	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20040128

JP3554705 B2	20040218	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20040217
JP3554705 B2	20040402	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP3554705 B2	20040414	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20040413
JP3554705 B2	20040513	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20040510
JP3554705 B2	20040514	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R150
JP3554705 B2	20080520	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20090514 YEAR OF FEE PAYMENT : 5
JP3554705 B2	20090519	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20100514 YEAR OF FEE PAYMENT : 6
JP3554705 B2	20100513	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20100514 YEAR OF FEE PAYMENT : 6
JP3554705 B2	20100518	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20110514 YEAR OF FEE PAYMENT : 7
JP3554705 B2	20100518	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20110514 YEAR OF FEE PAYMENT : 7
JP3554705 B2	20110517	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20120514 YEAR OF FEE PAYMENT : 8
JP3554705 B2	20120515	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20130514 YEAR OF FEE PAYMENT : 9
JP3554705 B2	20130502	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20130514 YEAR OF FEE PAYMENT : 9
JP3554705 B2	20160510	LSFE	+R250	RECEIPT OF ANNUAL FEES	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R250
JP4808349 B2	20111102	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4808349 B2	20071018	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20071017
JP4808349 B2	20071018	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20071017
JP4808349 B2	20110216	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20110215
JP4808349 B2	20110517	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20110516
JP4808349 B2	20110725	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	

JP4808349 B2	20110803	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20110802
JP4808349 B2	20110804	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01
JP4808349 B2	20110825	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20110817
JP4808349 B2	20110826	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20140826 YEAR OF FEE PAYMENT : 3
JP4808349 B2	20110826	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R150
JP4808349 B2	20160802	LSFE	+R250	RECEIPT OF ANNUAL FEES	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R250
JP4954372 B2	20120613	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4954372 B2	20040422	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20040421
JP4954372 B2	20071024	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20071023
JP4954372 B2	20080424	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20080423
JP4954372 B2	20080910	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20080909
JP4954372 B2	20090310	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20090309
JP4954372 B2	20090617	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20090616
JP4954372 B2	20120223	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP4954372 B2	20120322	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20120314
JP4954372 B2	20120323	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP4954372 B2	20120326	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4954372 B2	20150310	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4954372 B2	20160308	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4954372 B2	20170307	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250

US2001019751 AA	20010906	LSPB	+	published / reissued	
US2001043998 AA	20011122	LSPB	+	published / reissued	
US2002045017 AA	20020418	LSPB	+	published / reissued	
US2003091765 AA	20030515	LSPB	+	published / reissued	
US2005234500 AA	20051020	LSPB	+	published / reissued	
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC., MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100209; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100216; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100223; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101

US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100420; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100309; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US2005234500 AA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20010605	LSGT	+	granted / extensions (spc, cpc, pte)	
US6242063 BA	19980330	LSAS	AS	ASSIGNMENT	OWNER NAME : SCIMED LIFE SYSTEMS, INC., MINNESOTA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BARRY, RALPH J.; WANG, LIXIAO; CHEN, JIANHUA; REEL/FRAME:009086/0996; SIGNING DATES FROM 19980302 TO 19980310
US6242063 BA	19980330	LSAS	AS	ASSIGNMENT	OWNER NAME : SCIMED LIFE

					SYSTEMS, INC., MINNESOTA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FERRERA, DAVID A.; MICHAELS, GEORGE C.; WANG, LIXIAO; AND OTHERS; REEL/FRAME:009086/0987; SIGNING DATES FROM 19980302 TO 19980320
US6242063 BA	20040929	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100209; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100216; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100223; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100309; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101

US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100420; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6242063 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC., MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US6242063 BA	20080918	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6242063 BA	20121001	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6284333 BA	20010904	LSGT	+	granted / extensions (spc, cpc, pte)	
US6284333 BA	19990517	LSAS	AS	ASSIGNMENT	OWNER NAME : SCIMED LIFE SYSTEMS, INC., MINNESOTA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WANG, LIXIAO; CHEN, JIANHUA; REEL/FRAME:009978/0417 EFFECTIVE DATE : 19990421

US6284333 BA	20050223	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRA:018505/0868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100209; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100216; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100223; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101

US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100309; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100420; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6284333 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC., MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US6284333 BA	20090224	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6284333 BA	20130206	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6905743 BA	20050614	LSGT	+	granted / extensions (spc, cpc, pte)	
US6905743 BA	20010209	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SCIMED LIFE SYSTEMS, INC., MINNESOTA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:CHEN, JOHN JIANHUA; WANG, LIXIAO; WANG, YIQUN; AND OTHERS; REEL/FRAME:011510/0470; SIGNING DATES FROM 20010108 TO 20010130
US6905743 BA	20061106	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BOSTON SCIENTIFIC SCIMED, INC., MINNESOTA OLDPARTY : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS,

					INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US6905743 BA	20061106	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA OLDPARTY : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US6905743 BA	20080918	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6905743 BA	20121001	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6905743 BA	20161201	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6977103 BB	20051220	LSGT	+	granted / extensions (spc, cpc, pte)	
US6977103 BB	20010620	LSAS	AS	ASSIGNMENT	OWNER NAME : SCIMED LIFE SYSTEMS, INC., MINNESOTA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:CHEN, JOHN JIANHUA; WANG, LIXIAO; WANG, YIQUN; AND OTHERS; REEL/FRAME:011936/0569; SIGNING DATES FROM 20010607 TO 20010611
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC., MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100223; REEL/FRAME:18505/868

					EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100309; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100420; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100209; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE

					UPDATED:20100216; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6977103 BB	20061121	LSRE	CC	CERTIFICATE OF CORRECTION	
US6977103 BB	20090521	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6977103 BB	20130311	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7026026 BB	20060411	LSGT	+	granted / extensions (spc, cpc, pte)	
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC., MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100209; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100216; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100223; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100309; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100316;

					REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100420; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7026026 BB	20090922	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7026026 BB	20130911	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
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US7101597 BB	20011212	LSAS	AS	ASSIGNMENT	OWNER NAME : SCIMED LIFE SYSTEMS, INC., MINNESOTA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WANG, LIXIAO; CHEN,

					JIANHUA; REEL/FRAME:012382/0415; SIGNING DATES FROM 20011009 TO 20011012
US7101597 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US7101597 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7101597 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7101597 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100209; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7101597 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100216; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7101597 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100223; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7101597 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC., MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
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US7101597 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7101597 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7101597 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7101597 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
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US7101597 BB	20140206	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
WO0050105 A2	20000831	LSPB	+	published / reissued	
WO0050105 A3	20010824	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : CA REF DOCUMENT NUMBER : 2362607 KIND CODE OF REF DOCUMENT : A FORMAT OF REF DOCUMENT (F/P) : F
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WO0050105 A3	20010827	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP REF DOCUMENT NUMBER : 2000 600715 KIND CODE OF REF DOCUMENT : A FORMAT OF REF DOCUMENT (F/P) : F

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WO0050105 A3	20011121	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2000910181 COUNTRY OF REF DOCUMENT : EP
WO0050105 A3	20040414	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2000910181 COUNTRY OF REF DOCUMENT : EP
WO0134062 A2	20010517	LSPB	+	published / reissued	
WO0134062 A3	20020409	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2386943 COUNTRY OF REF DOCUMENT : CA
WO0134062 A3	20020420	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2000989702 COUNTRY OF REF DOCUMENT : EP
WO0134062 A3	20020424	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP REF DOCUMENT NUMBER : 2001536072 KIND CODE OF REF DOCUMENT : A FORMAT OF REF DOCUMENT (F/P) : F
WO0134062 A3	20020724	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2000989702 COUNTRY OF REF DOCUMENT : EP
WO0134062 A3	20060830	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2000989702 COUNTRY OF REF DOCUMENT : EP
WO03000307 A1	20030103	LSPB	+	published / reissued	
WO03000307 A1	20031219	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003506948 COUNTRY OF REF DOCUMENT : JP
WO03000307 A1	20031219	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2451189 COUNTRY OF REF DOCUMENT : CA
WO03000307 A1	20040107	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002746483 COUNTRY OF REF DOCUMENT : EP
WO03000307 A1	20040317	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2002746483 COUNTRY OF REF DOCUMENT : EP
WO9912586 A2	19990318	LSPB	+	published / reissued	
WO9912586 A3	20000223	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : CA REF DOCUMENT NUMBER : 2301533 KIND CODE OF REF DOCUMENT : A FORMAT OF REF DOCUMENT (F/P) : F
WO9912586 A3	20000223	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2301533 COUNTRY OF REF DOCUMENT : CA
WO9912586 A3	20000229	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP REF DOCUMENT NUMBER : 2000510483 KIND CODE OF REF DOCUMENT : A FORMAT OF REF DOCUMENT (F/P) : F
WO9912586 A3	20000404	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1998944724 COUNTRY OF REF DOCUMENT : EP

WO9912586 A3	20000719	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1998944724 COUNTRY OF REF DOCUMENT : EP
WO9912586 A3	20021113	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1998944724 COUNTRY OF REF DOCUMENT : EP

Title: Stent security balloon/balloon catheter

Abstract: Source: US2001039395A A medical balloon is constructed with protrusions thereon to prevent unwanted movement of an expandable, implantable medical device such as a stent during delivery and deployment. At least some of the protrusions are underlying the expandable, implantable medical device to grip the expandable, implantable medical device.

Classifications:

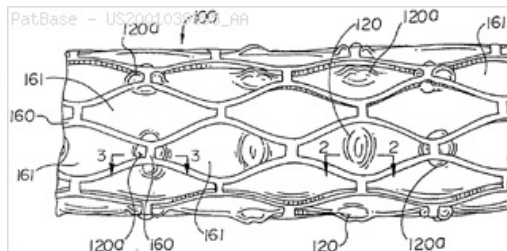
International (ipc 8-9): A61F11/00 A61F2/06 A61F2/82 A61F2/84 A61F2/86 A61M25/00 A61M25/10 (Advanced/Invention)

International (ipc 1-7): A61F11/00 A61F2/06 A61M25/00 A61M25/10 A61M29/00

CPC: A61F2/958 A61F2002/9583 A61M25/1002 A61M2025/1086

European: A61F2/06S2B A61F2/958 A61M25/10A K61F2/958B K61M25/10Z19

US: 604/103.06 604/103.060P 604/103.08 604/103.080S 604/96.01 606/108 606/192 623/1.11 623/1.110P



Family:

Publication number	Publication date	Application number	Application date
AT346567 E	20061215	AT20000910114T	20000209
CA2367209 AA	20010907	CA20002367209	20000209
CA2367209 C	20090106	CA20002367209	20000209
DE60032121 D1	20070111	DE20006032121	20000209
DE60032121 T2	20070308	DE20006032121T	20000209
EP1164969 A1	20020102	EP20000910114	20000209
EP1164969 B1	20061129	EP20000910114	20000209
JP2002539888 T2	20021126	JP20000607569T	20000209
JP4149136 B2	20080910	JP20000607569T	20000209
US2001039395 AA	20011108	US20010901352	20010709
US2003114915 AA	20030619	US20030355865	20030131
US6258099 BA	20010710	US19990283375	19990331
US6676667 BB	20040113	US20010901352	20010709
US7056323 BB	20060606	US20030355865	20030131
WO0057815 A1	20001005	WO2000US03295	20000209

Priority:

US19990283375 19990331 US20010901352 20010709 US20030355865 20030131
WO2000US03295 20000209

Probable Assignee: BOSTON SCIENTIFIC SCIMED INC

Assignee(s): (std): BOSTON SCIENT LTD ; SCIMED LIFE SYSTEMS INC

Assignee(s): BARRY RALPH J ; BARRY RALPH J JR ; BOSTON SCIENTIFIC LIMITED ; BOSTON SCIENTIFIC LTD ; BOSTON SCIENTIFIC SCIMED INC ; ESTES ROBERT ; MAREIRO WAYNE ; RINEER HYDRAULICS INC

Inventor(s): (std): BARRY J ; BARRY RALPH J ; ESTES ROBERT ; MAREIRO WAYNE ; BARRY RALPH J JR ; BARRY JR RALPH J

Inventor(s): BARRY ; JR RALPH J

Agent(s): PIASETZKI AND NENNIGER LLP; VIDAS ARRETT AND STEINKRAUS

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

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
AT346567 E	20061215	LSGT	+	granted / extensions (spc, cpc, pte)	
AT346567 E	20070515	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
CA2367209 AA	20010907	LSPB	+	published / reissued	
CA2367209 AA	20010907	LSNP	+AFNE	NATIONAL PHASE ENTRY	
CA2367209 AA	20050113	LSSES	+EEER	EXAMINATION REQUEST	
CA2367209 AA	20120209	LSLE	-MKLA	LAPSED	
CA2367209 AA	20120322	LSLE	-MKLA	LAPSED	EFFECTIVE DATE : 20120209
CA2367209 C	20090106	LSGT	+	granted / extensions (spc, cpc, pte)	
DE60032121 D1	20071220	LSGT	+8364	NO OPPOSITION DURING TERM	

					OF OPPOSITION	
DE60032121 T2	20070308	LSGT	+		granted / extensions (spc, cpc, pte)	
EP1164969 A1	20020102	LSPB	+		published / reissued	
EP1164969 A1	20020102	LSES	+17P	REQUEST FOR EXAMINATION FILED		EFFECTIVE DATE : 20010914
EP1164969 A1	20041117	LSES	+17Q	FIRST EXAMINATION REPORT		EFFECTIVE DATE : 20041001
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EP1164969 A1	20070110	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D	
EP1164969 A1	20070228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20070228	
EP1164969 A1	20070228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20070228	
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				EPO	LAPSED DATE : 20070228
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EP1164969 A1	20071107	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20070830
EP1164969 A1	20080430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20070301
EP1164969 A1	20090831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. 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 : 20061129
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EP1164969 A1	20101029	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20100402 YEAR OF FEE PAYMENT : 11
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EP1164969 A1	20160108	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
EP1164969 A1	20160429	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160202 YEAR OF FEE PAYMENT : 17
EP1164969 A1	20160429	LSFE	+PGFP	POSTGRANT:	COUNTRY OF REF DOCUMENT : IE

EP1164969 A1	20160531	LSFE	+PGFP	ANNUAL FEES PAID TO NATIONAL OFFICE	PAYMENT DATE : 20160209 YEAR OF FEE PAYMENT : 17
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EP1164969 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160203 YEAR OF FEE PAYMENT : 17
EP1164969 A1	20160531	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160108 YEAR OF FEE PAYMENT : 17
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EP1164969 B1	20061129	LSGT	+	granted / extensions (spc, cpc, pte)	
JP2002539888 T2	20021126	LSPB	+	published / reissued	
JP4149136 B2	20080910	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4149136 B2	20070201	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20070131
JP4149136 B2	20070201	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20070131
JP4149136 B2	20071219	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20071218
JP4149136 B2	20080429	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20080428
JP4149136 B2	20080526	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP4149136 B2	20080604	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20080603
JP4149136 B2	20080605	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01
JP4149136 B2	20080703	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20080625
JP4149136 B2	20080704	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20110704 YEAR OF FEE PAYMENT : 3
JP4149136 B2	20080704	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R150
JP4149136 B2	20120628	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20120704 YEAR OF FEE PAYMENT : 4
JP4149136 B2	20120703	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20130704 YEAR OF FEE PAYMENT : 5

JP4149136 B2	20150707	LSFE	+R250	RECEIPT OF ANNUAL FEES	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R250
US2001039395 AA	20011108	LSPB	+	published / reissued	
US2003114915 AA	20030619	LSPB	+	published / reissued	
US6258099 BA	20010710	LSGT	+	granted / extensions (spc, cpc, pte)	
US6258099 BA	19990331	LSAS	AS	ASSIGNMENT	OWNER NAME : SCIMED LIFE SYSTEMS, INC., MINNESOTA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MAREIRO, WAYNE; ESTES, ROBERT; BARRY, RALPH J., JR.; REEL/FRAME:009868/0313; SIGNING DATES FROM 19990323 TO 19990329
US6258099 BA	20041227	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100209; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100216; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100223; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC., MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100309;

					REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100406; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100420; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US6258099 BA	20081219	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6258099 BA	20121212	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12

US6676667 BB	20040113	LSGT	+	granted / extensions (spc, cpc, pte)	
US6676667 BB	20010221	LSAS	AS	ASSIGNMENT	OWNER NAME : RINEER HYDRAULICS, INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RHI JOINT VENTURE; REEL/FRAME:011550/0358 EFFECTIVE DATE : 20010214
US6676667 BB	20070621	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6676667 BB	20110622	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6676667 BB	20150701	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US7056323 BB	20060606	LSGT	+	granted / extensions (spc, cpc, pte)	
US7056323 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7056323 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100330; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
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US7056323 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
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US7056323 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:18505/868

					EFFECTIVE DATE : 20050101
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US7056323 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100209; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7056323 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100216; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7056323 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100223; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7056323 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7056323 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100309; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7056323 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100316; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7056323 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7056323 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7056323 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7056323 BB	20091120	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7056323 BB	20131106	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8

WO0057815 A1	20001005	LSPB	+	published / reissued	
WO0057815 A1	20010907	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : CA REF DOCUMENT NUMBER : 2367209 KIND CODE OF REF DOCUMENT : A FORMAT OF REF DOCUMENT (F/P) : F
WO0057815 A1	20010907	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2367209 COUNTRY OF REF DOCUMENT : CA
WO0057815 A1	20010914	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2000910114 COUNTRY OF REF DOCUMENT : EP
WO0057815 A1	20010927	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP REF DOCUMENT NUMBER : 2000 607569 KIND CODE OF REF DOCUMENT : A FORMAT OF REF DOCUMENT (F/P) : F
WO0057815 A1	20020102	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2000910114 COUNTRY OF REF DOCUMENT : EP
WO0057815 A1	20061129	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2000910114 COUNTRY OF REF DOCUMENT : EP

Title: INFLATABLE MEMBER FORMED OF LIQUID CRYSTAL POLYMERIC MATERIAL BLEND

Abstract: Source: US2002081404A A catheter having an inflatable member formed of a liquid crystal polymeric material. The inflatable member is formed from a blend of a minor amount, preferably less than 10 percent, of liquid crystal polymer with a major amount of a non-liquid crystal polymer having LCP fibers that are highly oriented in the machine direction. The aspect ratio of the liquid crystal polymeric material fibers is greater than 10, so that the polymer blend has mechanical characteristics similar to a fiber-reinforced composite with improved strength and optimal compliance.

Classifications:

International (IPC 8-9): A61L29/12 (Advanced/Invention);

A61F2/958 (Advanced/Non-invention);

A61L29/00 (Core/Invention);

A61M25/10 (Core/Non-invention)

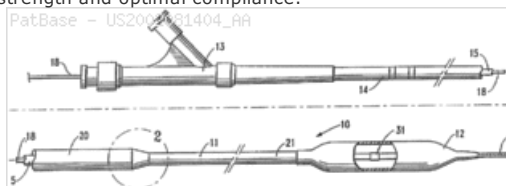
International (IPC 1-7): A61M29/00 B29D22/00 B29D23/00

CPC: Y10T428/1334 A61L29/126 A61M25/10

European: A61L29/12D K61M25/10

US: 264/515 264/573 428/35.2 428/35.200P 604/1 604/103.06

604/103.09 604/1S 604/264 604/96.01 604/96.010S 606/194 606/194S



Family:

Publication number	Publication date	Application number	Application date
US2002081404 AA	20020627	US20010970817	20011003
US6325780 BA	20011204	US19990394235	19990913
US6596219 BB	20030722	US20010970817	20011003

Priority:

US19990394235 19990913 US20010970817 20011003

Probable Assignee: ADVANCED CARDIOVASCULAR SYSTEM

Assignee(s): (std): ADVANCED CARDIOVASCULAR SYSTEM

Assignee(s): ADVANCED CARDIOVASCULAR SYSTEMS INC

Inventor(s): (std): DUTTA DEBASHIS ; SCHAIBLE STEPHEN G

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2002081404 AA	20020627	LSPB	+	published / reissued	
US6325780 BA	20011204	LSGT	+	granted / extensions (spc, cpc, pte)	
US6325780 BA	19990913	LSAS	AS	ASSIGNMENT	OWNER NAME : ADVANCED CARDIOVASCULAR SYSTEMS, INC., CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:SCHAIBLE, STEPHEN G.; DUTTA, DEBASHIS; REEL/FRAME:010259/0433; SIGNING DATES FROM 19990817 TO 19990825
US6325780 BA	20050606	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6325780 BA	20090521	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6325780 BA	20130318	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6596219 BB	20030722	LSGT	+	granted / extensions (spc, cpc, pte)	
US6596219 BB	20031223	LSRE	CC	CERTIFICATE OF CORRECTION	
US6596219 BB	20070122	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6596219 BB	20101228	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6596219 BB	20141229	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12

Title: Biaxially oriented multilayer polymer tube for medical devices

Abstract: Source: US2003009151A A tubular extruded member particularly suitable for use in medical devices such as intravascular catheters and guide wires, wherein the extruded tubular member includes multiple layers having biaxial helical orientation in different directions. A counter-rotation extrusion process may be used to orient the layers in different biaxial helical directions. The counter-rotation extrusion process provides orientation in two different circumferential directions in addition to a longitudinal direction. By combining the dual direction or biaxial helical orientation with multiple layers, different layers of the tubular member may be tailored to have the desired mechanical properties.

Classifications:

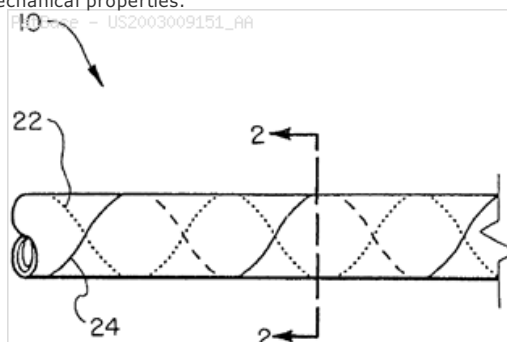
International (IPC 8-9): A61L29/00 A61L31/00 A61M25/00
A61M25/01 B29C47/06 B29C47/20 B29C47/24 (Advanced/Invention);
B29L23/00 B29L9/00 (Advanced/Non-invention);
A61L29/00 A61L31/00 A61M25/00 A61M25/01 B29C47/06
B29C47/20 (Core/Invention)

International (IPC 1-7): A61L29/00 A61L31/00 A61M25/00
A61M25/01 A61M5/00 B29C47/06 B29C47/20 B29C47/24

CPC: A61M25/0009 A61M25/0045 B29C47/0023 B29C47/065
B29C47/24 B29C47/261 B29L2031/7542

European: A61M25/00G B29C47/00J6 B29C47/06P B29C47/24
B29C47/26D K61M25/00S1 L29L31/7542

US: 138/144 138/144S 264/171.29 264/173.16 264/209.2 264/209.3
264/210.2 604/264 604/264P 604/526 604/526P 604/527 604/527S



Family:

Publication number	Publication date	Application number	Application date
CA2452303 AA	20031229	CA20022452303	20020501
CA2452303 C	20110315	CA20022452303	20020501
EP1401629 A1	20040331	EP20020729123	20020501
JP2005519649 T2	20050707	JP20030510239T	20020501
JP4472331 B2	20100602	JP20030510239T	20020501
US2003009151 AA	20030109	US20010898717	20010703
US2003100869 AA	20030529	US20030335743	20030102
US7128862 BB	20061031	US20030335743	20030102
WO03004248 A1	20030116	WO2002US14017	20020501

Priority:

US20010898717 20010703 US20030335743 20030102 WO2002US14017 20020501

Probable Assignee: BOSTON SCIENTIFIC SCIMED INC

Assignee(s): (std): BOSTON SCIENT LTD ; SCIMED LIFE SYSTEMS INC

Assignee(s): WANG LIXIAO ; BOSTON SCIENTIFIC LIMITED ; BOSTON SCIENTIFIC LTD ; BOSTON SCIENTIFIC SCIMED INC

Inventor(s): (std): WANG LIXIAO

Agent(s): CASSAN MACLEAN; CROMPTON SEAGER AND TUFTE LLC

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CA2452303 AA	20031229	LSPB	+	published / reissued	
CA2452303 AA	20031229	LSNP	+AFNE	NATIONAL PHASE ENTRY	
CA2452303 AA	20070329	LSES	+EEER	EXAMINATION REQUEST	
CA2452303 AA	20130613	LSLE	-MKLA	LAPSED	EFFECTIVE DATE : 20130501
CA2452303 C	20110315	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1401629 A1	20040331	LSPB	+	published / reissued	
EP1401629 A1	20040331	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20040120
EP1401629 A1	20070314	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20070209
EP1401629 A1	20141126	LSAS	RAP1	TRANSFER OF RIGHTS OF AN EP PUBLISHED APPLICATION	OWNER NAME : BOSTON SCIENTIFIC LIMITED

EP1401629 A1	20150121	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20150108
EP1401629 A1	20151209	LSDW	-18D	DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20150519
JP2005519649 T2	20050707	LSPB	+	published / reissued	
JP4472331 B2	20100602	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4472331 B2	20050407	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20050406
JP4472331 B2	20070516	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20070515
JP4472331 B2	20070829	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20070828
JP4472331 B2	20071003	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20071002
JP4472331 B2	20100109	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20100108
JP4472331 B2	20100212	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP4472331 B2	20100311	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20100303
JP4472331 B2	20100312	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4472331 B2	20100312	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP4472331 B2	20100409	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4472331 B2	20130228	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
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JP4472331 B2	20150310	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4472331 B2	20160312	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
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US2003009151 AA	20010703	LSAS	AS	ASSIGNMENT	OWNER NAME : SCIMED LIFE SYSTEMS, INC., MINNESOTA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WANG, LIXIAO; REEL/FRAME:011974/0660 EFFECTIVE DATE : 20010619
US2003100869 AA	20030529	LSPB	+	published / reissued	
US7128862 BB	20061031	LSGT	+	granted /	

					extensions (spc, cpc, pte)
US7128862 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100420; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7128862 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100504; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7128862 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100511; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7128862 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7128862 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100525; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7128862 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC., MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; REEL/FRAME:018505/0868 EFFECTIVE DATE : 20050101
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US7128862 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100203; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101
US7128862 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100209; REEL/FRAME:18505/868 EFFECTIVE DATE : 20050101

US7128862 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100216; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
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US7128862 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100302; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
US7128862 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100309; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
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US7128862 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
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US7128862 BB	20061106	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC.,MINNESOTA DESCRIPTION : CHANGE OF NAME; ASSIGNOR:SCIMED LIFE SYSTEMS, INC.; US-ASSIGNMENT DATABASE UPDATED:20100413; REEL/FRA:18505/868 EFFECTIVE DATE : 20050101
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US7128862 BB	20100323	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7128862 BB	20140402	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8

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WO03004248 A1	20031229	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2452303 COUNTRY OF REF DOCUMENT : CA
WO03004248 A1	20040120	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002729123 COUNTRY OF REF DOCUMENT : EP
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WO03004248 A1	20040513	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642

Title: DELIVERY SYSTEM THAT FACILITATES VISUAL INSPECTION OF AN INTRALUMINAL MEDICAL DEVICE

Abstract: Source: US2005283178A Delivery systems, methods of making delivery systems, and methods of treatment are provided. A delivery system according to the invention facilitates a visual inspection of an intraluminal medical device included in the delivery system.

Classifications:

International (IPC 8-9): A61F2/06 A61F2/84 A61M25/00 A61M25/01

A61M25/10 A61M29/00 (Advanced/Invention);

A61F2/00 (Advanced/Non-invention)

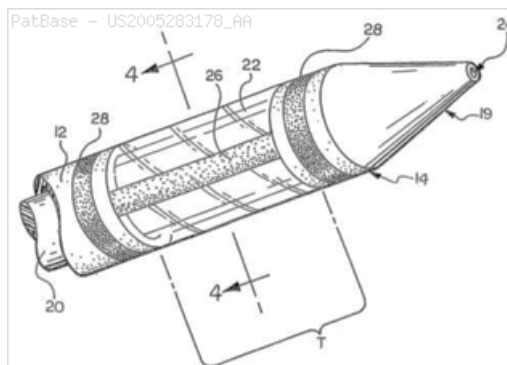
International (IPC 1-7): A61F2/06 A61M25/01 A61M29/00

CPC: A61F2/95 A61F2250/0091 A61M25/0043 A61M25/10

A61M2025/1079

European: A61F2/95 A61M25/00S A61M25/10

US: 606/191 606/191P 623/1.11 623/1.23 623/2.11



Family:

Publication number	Publication date	Application number	Application date
US2005283178 AA	20051222	US20050123312	20050506
US7717951 BB	20100518	US20050123312	20050506
WO05107646 A1	20051117	WO2005US16109	20050506

Priority:

US20040568775P 20040506 US20050123312 20050506

Probable Assignee: COOK MEDICAL TECHNOLOGIES LLC

Assignee(s): (std): CASE BRIAN C ; COOK INC ; FLAGLE JACOB A ; GARRISON MICHAEL L ; HOFFA ANDREW ; HOFFA ANDREW K

Assignee(s): COOK MEDICAL TECHNOLOGIES LLC

Inventor(s): (std): CASE BRIAN C ; FLAGLE JACOB A ; HOFFA ANDREW K ; GARRISON MICHAEL L ; HOFFA ANDREW

Agent(s): FRASER MARTIN BUCHANAN MILLER LLC; BUCHANAN INTELLECTUAL PROPERTY OFFICE LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE 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
US2005283178 AA	20051222	LSPB	+	published / reissued	
US2005283178 AA	20050902	LSAS	AS	ASSIGNMENT	OWNER NAME : COOK INCORPORATED, INDIANA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FLAGLE, JACOB A.; CASE, BRIAN C.; HOFFA, ANDREW K.; AND OTHERS; REEL/FRAME:016494/0547; SIGNING DATES FROM 20050520 TO 20050728
US7717951 BB	20100518	LSGT	+	granted / extensions (spc, cpc, pte)	
US7717951 BB	20050902	LSAS	AS	ASSIGNMENT	OWNER NAME : COOK INCORPORATED, INDIANA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FLAGLE, JACOB A.; CASE, BRIAN C.; HOFFA, ANDREW K.; AND OTHERS; REEL/FRAME:016494/0547; SIGNING DATES FROM 20050520 TO 20050728
US7717951 BB	20050902	LSAS	AS	ASSIGNMENT	OWNER NAME : COOK INCORPORATED, INDIANA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FLAGLE, JACOB A.; CASE, BRIAN C.; HOFFA, ANDREW K. AND OTHERS; SIGNED BETWEEN 20050520 AND 20050728; US-ASSIGNMENT DATABASE UPDATED:20100518; REEL/FRAME:16494/547

US7717951 BB	20050902	LSAS	AS	ASSIGNMENT	OWNER NAME : COOK INCORPORATED,INDIANA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FLAGLE, JACOB A.; CASE, BRIAN C.; HOFFA, ANDREW K.; AND OTHERS; SIGNING DATES FROM 20050520 TO 20050728; REEL/FRAAME:016494/0547
US7717951 BB	20110517	LSAS	AS	ASSIGNMENT	OWNER NAME : COOK MEDICAL TECHNOLOGIES LLC, INDIANA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:COOK INCORPORATED; WILSON-COOK MEDICAL INCORPORATED; VANCEPRODUCTS INCORPORATED; AND OTHERS; SIGNING DATES FROM 20110315 TO 20110322; REEL/FRAAME:026287/0923
US7717951 BB	20131011	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
WO05107646 A1	20051117	LSPB	+	published / reissued	
WO05107646 A1	20061107	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO05107646 A1	20061107	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE

Title: NON-COMPLIANT MEDICAL BALLOON HAVING AN INTEGRAL WOVEN FABRIC LAYER

Abstract: Source: US2006085022A A non-compliant medical balloon may be changed from a deflated state to an inflated state by increasing pressure within the balloon. The non-compliant medical balloon is composed of a woven fabric layer composed of at least two woven fabric fibers forming an angle. The angle remains substantially unchanged when the balloon changes from a deflated state to an inflated state.

Classifications:

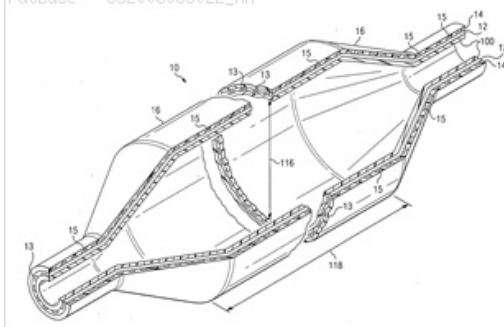
International (IPC 8-9): A61B17/00 A61B17/88 A61F2/958
A61L29/04 A61L29/06 A61L29/08 A61M25/10 A61M29/00 A61M29/02
A61M31/00 A61M37/00 A61N5/10 B05D1/36 B05D5/00 B23P17/04
B29C63/00 B29D22/00 B29D29/10 B32B1/08 B32B15/08 B32B37/12
B32B37/14 B32B37/16 B32B38/00 B32B5/02 B32B5/26
D04C1/06 (Advanced/Invention);
A61B17/00 A61B17/88 (Advanced/Non-invention);
B29D22/00 B32B1/00 B32B15/08 (Core/Invention)

CPC: B32B37/1284 A61L29/126 Y10T156/10 Y10T156/1049
Y10T428/1359 A61M25/1029 A61M2025/1075 A61M2025/1084
A61M2025/1086 B05D1/36 B05D5/00 A61M2025/1031
A61B2017/00274 A61M29/02 Y10T29/49826 D04C1/06
A61M2025/1004 A61M2210/12 A61L29/06 A61L2420/02 A61L29/085
A61M25/1027 A61B17/8816 A61N5/1007 A61B17/00234 A61F2/958
A61L29/04 B32B5/26 B32B5/024 B32B37/16 B32B2255/26
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European: A61L29/08B A61L29/12D A61M25/10G1 A61M25/10P K61M25/10 K61M25/10Z14 K61M25/10Z18 K61M25/10Z19

US: 1/1 156/166 156/185 156/189 156/226 156/226S 156/242 156/242S 156/280 156/280S 156/305 156/60 264/171.12
264/231 264/241 264/241S 264/279 29/428 29/428S 427/2.3 428/35.9 428/35.900S 604/103 604/103.06 604/103.060P
604/103.07 604/103.08 604/103.080P 604/103.09 604/103.090P 604/103.090S 604/103.12 604/103.13 604/103.130P
604/103.130S 604/103.14 604/103.140P 604/95.03 604/96.01 606/191 606/192 606/192P 606/194 606/194P 87/7 87/9

PatBase - US2006085022_AA



Family:

Publication number	Publication date	Application number	Application date
US2006085022 AA	20060420	US20040966970	20041015
US2006085023 AA	20060420	US20040967038	20041015
US2006085024 AA	20060420	US20040967065	20041015
US2007213760 AA	20070913	US20070751326	20070521
US2007219490 AA	20070920	US20070751489	20070521
US2008183132 AA	20080731	US20070690735	20070323
US2008188805 AA	20080807	US20080099011	20080407
US2010234802 AA	20100916	US20100696863	20100129
US2011054513 AA	20110303	US20100862615	20100824
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US2011295203 AA	20111201	US20110206739	20110810
US2012277672 AA	20121101	US20120548314	20120713
US2012296363 AA	20121122	US20120567533	20120806
US2013085445 AA	20130404	US20120690477	20121130
US2013131709 AA	20130523	US20130740581	20130114
US2013331784 AA	20131212	US20130924707	20130624
US2015151092 AA	20150604	US20150609910	20150130
US2015157833 AA	20150611	US20150627943	20150220
US2015320984 AA	20151112	US20150804984	20150721
US2016151611 AA	20160602	US20150961188	20151207
US2016354586 AA	20161208	US20160243173	20160822
US7309324 BB	20071218	US20040966970	20041015
US7354419 BB	20080408	US20040967038	20041015
US7682335 BB	20100323	US20040967065	20041015
US7780629 BB	20100824	US20070751489	20070521
US7914487 BB	20110329	US20070690735	20070323
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US8353868 BB	20130115	US20080099011	20080407
US8469926 BB	20130625	US20120548314	20120713
US8715229 BB	20140506	US20110072861	20110328
US8945168 BB	20150203	US20130740581	20130114
US8961849 BB	20150224	US20120690477	20121130
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Priority:

US20040966970	20041015	US20040967038	20041015	US20040967065	20041015
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US20160243173	20160822				

Probable Assignee: BARD PERIPHERAL VASCULAR INC

Assignee(s): (std): BARD PERIPHERAL VASCULAR INC ; DAVIES WILLIAM F JR ; FUTUREMATRIX INTERVENTIONAL IN ;
DAVIES JR WILLIAM F ; HAYES KELLI ; PEPPER LANNY R ; FUTUREMED INTERVENTIONAL INC ;
FUTUREMATRIX INTERVENTIONAL INC ; HAYES KELLI L

Inventor(s): (std): HAYES KELLI ; DAVIES WILLIAM F JR ; DAVIES WILLIAM F ; PEPPER LANNY R ; HAYES KELLI L ; DAVIES

JR WILLIAM F

Inventor(s):

DAVIES WILLIAM ; DAVIES WILLIAM FJR ; PEPPER LANNY

Agent(s):

HOWISON AND ARNOTT LLP; HOWREY AND ARNOTT LLP; KING AND SCHICKLI PLLC

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2006085022 AA	20060420	LSPB	+	published / reissued	
US2006085023 AA	20060420	LSPB	+	published / reissued	
US2006085024 AA	20060420	LSPB	+	published / reissued	
US2006085024 AA	20041015	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMED INTERVENTIONAL, INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; PEPPER, LANNY R.; DAVIES, WILLIAM F., JR.; REEL/FRAME:015905/0124 EFFECTIVE DATE : 20041012
US2006085024 AA	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:020571/0468 EFFECTIVE DATE : 20041101
US2007213760 AA	20070913	LSPB	+	published / reissued	
US2007213760 AA	20070622	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMED INTERVENTIONAL, INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; DAVIES, WILLIAM F, JR; PEPPER, LANNY R; REEL/FRAME:019468/0886 EFFECTIVE DATE : 20041012
US2007213760 AA	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC.,TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:020571/0468 EFFECTIVE DATE : 20041101
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US2007213760 AA	20110307	LSAS	AS	ASSIGNMENT	OWNER NAME : BARD PERIPHERAL VASCULAR, INC., ARIZONA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FUTUREMATRIX INTERVENTIONAL, INC.; REEL/FRAME:025907/0742 EFFECTIVE DATE : 20110218
US2007219490 AA	20070920	LSPB	+	published / reissued	
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					ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; PEPPER, LANNY R.; DAVIES, WILLIAM F., JR.; REEL/FRAME:020429/0842 EFFECTIVE DATE : 20041012
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US2008183132 AA	20080731	LSPB	+	published / reissued	
US2008183132 AA	20090102	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DAVIES, WILLIAM F., JR.; PEPPER, LANNY R.; HAYES, KELLI L.; REEL/FRAME:022048/0811; SIGNING DATES FROM 20081106 TO 20081107
US2008188805 AA	20080807	LSPB	+	published / reissued	
US2008188805 AA	20101101	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:025225/0645 EFFECTIVE DATE : 20041101
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US2008188805 AA	20110307	LSAS	AS	ASSIGNMENT	OWNER NAME : BARD PERIPHERAL VASCULAR, INC., ARIZONA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FUTUREMATRIX INTERVENTIONAL, INC.; REEL/FRAME:025907/0742 EFFECTIVE DATE : 20110218
US2010234802 AA	20100916	LSPB	+	published / reissued	
US2010234802 AA	20100301	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:024008/0342 EFFECTIVE DATE : 20041101
US2010234802 AA	20100301	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMED INTERVENTIONAL, INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; PEPPER, LANNY R.; DAVIES, WILLIAM F., JR.; REEL/FRAME:024007/0705 EFFECTIVE DATE : 20041012
US2010234802 AA	20110307	LSAS	AS	ASSIGNMENT	OWNER NAME : BARD PERIPHERAL VASCULAR, INC., ARIZONA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FUTUREMATRIX INTERVENTIONAL, INC.; REEL/FRAME:025907/0742 EFFECTIVE DATE : 20110218
US2011054513 AA	20110303	LSPB	+	published / reissued	
US2011054513 AA	20100930	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:025074/0173 EFFECTIVE DATE : 20041101
US2011054513 AA	20100930	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMED INTERVENTIONAL, INC., TEXAS

					DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; PEPPER, LANNY R.; DAVIES, WILLIAM F., JR.; REEL/FRAME:025072/0344 EFFECTIVE DATE : 20041012
US2011054513 AA	20110307	LSAS	AS	ASSIGNMENT	OWNER NAME : BARD PERIPHERAL VASCULAR, INC., ARIZONA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FUTUREMATRIX INTERVENTIONAL, INC.; REEL/FRAME:025907/0742 EFFECTIVE DATE : 20110218
US2011172698 AA	20110714	LSPB	+	published / reissued	
US2011295203 AA	20111201	LSPB	+	published / reissued	
US2012277672 AA	20121101	LSPB	+	published / reissued	
US2012296363 AA	20121122	LSPB	+	published / reissued	
US2013085445 AA	20130404	LSPB	+	published / reissued	
US2013131709 AA	20130523	LSPB	+	published / reissued	
US2013331784 AA	20131212	LSPB	+	published / reissued	
US2015151092 AA	20150604	LSPB	+	published / reissued	
US2015157833 AA	20150611	LSPB	+	published / reissued	
US2015320984 AA	20151112	LSPB	+	published / reissued	
US2016151611 AA	20160602	LSPB	+	published / reissued	
US2016354586 AA	20161208	LSPB	+	published / reissued	
US7309324 BB	20071218	LSGT	+	granted / extensions (spc, cpc, pte)	
US7309324 BB	20041015	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMED INTERVENTIONAL, INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; PEPPER, LANNY R.; DAVIES, WILLIAM F., JR.; REEL/FRAME:015906/0896 EFFECTIVE DATE : 20041012
US7309324 BB	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:020571/0468 EFFECTIVE DATE : 20041101
US7309324 BB	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; US- ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:20571/468 EFFECTIVE DATE : 20041101
US7309324 BB	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:020571/0468 EFFECTIVE DATE : 20041101
US7309324 BB	20110307	LSAS	AS	ASSIGNMENT	OWNER NAME : BARD PERIPHERAL VASCULAR, INC., ARIZONA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FUTUREMATRIX INTERVENTIONAL, INC.; REEL/FRAME:025907/0742 EFFECTIVE DATE : 20110218

US7309324 BB	20110518	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7309324 BB	20150603	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7354419 BB	20080408	LSGT	+	granted / extensions (spc, cpc, pte)	
US7354419 BB	20041015	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMED INTERVENTIONAL, INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; PEPPER, LANNY R.; DAVIES, JR., WILLIAM F.; REEL/FRAME:015911/0250 EFFECTIVE DATE : 20041012
US7354419 BB	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:020571/0468 EFFECTIVE DATE : 20041101
US7354419 BB	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC.,TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:020571/0468 EFFECTIVE DATE : 20041101
US7354419 BB	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC.,TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; US- ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:20571/468 EFFECTIVE DATE : 20041101
US7354419 BB	20110307	LSAS	AS	ASSIGNMENT	OWNER NAME : BARD PERIPHERAL VASCULAR, INC., ARIZONA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FUTUREMATRIX INTERVENTIONAL, INC.; REEL/FRAME:025907/0742 EFFECTIVE DATE : 20110218
US7354419 BB	20110907	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7354419 BB	20150923	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7682335 BB	20100323	LSGT	+	granted / extensions (spc, cpc, pte)	
US7682335 BB	20041015	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMED INTERVENTIONAL, INC.,TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; PEPPER, LANNY R.; DAVIES, WILLIAM F., JR.; US-ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:15905/124 EFFECTIVE DATE : 20041012
US7682335 BB	20041015	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMED INTERVENTIONAL, INC.,TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; PEPPER, LANNY R.; DAVIES, WILLIAM F., JR.; REEL/FRAME:015905/0124 EFFECTIVE DATE : 20041012
US7682335 BB	20041015	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMED INTERVENTIONAL, INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; PEPPER, LANNY R.; DAVIES, WILLIAM F., JR.; REEL/FRAME:015905/0124 EFFECTIVE DATE : 20041012
US7682335 BB	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:020571/0468

US7682335 BB	20080129	LSAS	AS	ASSIGNMENT	EFFECTIVE DATE : 20041101 OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:020571/0468 EFFECTIVE DATE : 20041101
US7682335 BB	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; US- ASSIGNMENT DATABASE UPDATED:20100323; REEL/FRAME:20571/468 EFFECTIVE DATE : 20041101
US7682335 BB	20110307	LSAS	AS	ASSIGNMENT	OWNER NAME : BARD PERIPHERAL VASCULAR, INC., ARIZONA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FUTUREMATRIX INTERVENTIONAL, INC.; REEL/FRAME:025907/0742 EFFECTIVE DATE : 20110218
US7682335 BB	20130828	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7780629 BB	20100824	LSGT	+	granted / extensions (spc, cpc, pte)	
US7780629 BB	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:020571/0468 EFFECTIVE DATE : 20041101
US7780629 BB	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:020571/0468 EFFECTIVE DATE : 20041101
US7780629 BB	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMED INTERVENTIONAL, INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; PEPPER, LANNY R.; DAVIES, WILLIAM F., JR.; REEL/FRAME:020429/0842 EFFECTIVE DATE : 20041012
US7780629 BB	20110307	LSAS	AS	ASSIGNMENT	OWNER NAME : BARD PERIPHERAL VASCULAR, INC., ARIZONA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FUTUREMATRIX INTERVENTIONAL, INC.; REEL/FRAME:025907/0742 EFFECTIVE DATE : 20110218
US7780629 BB	20140129	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7914487 BB	20110329	LSGT	+	granted / extensions (spc, cpc, pte)	
US7914487 BB	20090102	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DAVIES, WILLIAM F., JR.; PEPPER, LANNY R.; HAYES, KELLI L.; REEL/FRAME:022048/0811; SIGNING DATES FROM 20081106 TO 20081107
US7914487 BB	20090102	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:DAVIES, WILLIAM F., JR.; PEPPER, LANNY R.; HAYES, KELLI L.; SIGNING DATES FROM 20081106 TO 20081107; REEL/FRAME:022048/0811
US7914487 BB	20110307	LSAS	AS	ASSIGNMENT	OWNER NAME : BARD PERIPHERAL VASCULAR, INC., ARIZONA

					DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FUTUREMATRIX INTERVENTIONAL, INC.; REEL/FRAME:025907/0742 EFFECTIVE DATE : 20110218
US7914487 BB	20140903	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8002741 BB	20110823	LSGT	+	granted / extensions (spc, cpc, pte)	
US8002741 BB	20070622	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMED INTERVENTIONAL, INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; DAVIES, WILLIAM F, JR; PEPPER, LANNY R; REEL/FRAME:019468/0886 EFFECTIVE DATE : 20041012
US8002741 BB	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:020571/0468 EFFECTIVE DATE : 20041101
US8002741 BB	20080129	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC.,TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:020571/0468 EFFECTIVE DATE : 20041101
US8002741 BB	20110307	LSAS	AS	ASSIGNMENT	OWNER NAME : BARD PERIPHERAL VASCULAR, INC., ARIZONA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FUTUREMATRIX INTERVENTIONAL, INC.; REEL/FRAME:025907/0742 EFFECTIVE DATE : 20110218
US8002741 BB	20150211	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8105275 BB	20120131	LSGT	+	granted / extensions (spc, cpc, pte)	
US8105275 BB	20100930	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:025074/0173 EFFECTIVE DATE : 20041101
US8105275 BB	20100930	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMED INTERVENTIONAL, INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; PEPPER, LANNY R.; DAVIES, WILLIAM F., JR.; REEL/FRAME:025072/0344 EFFECTIVE DATE : 20041012
US8105275 BB	20110307	LSAS	AS	ASSIGNMENT	OWNER NAME : BARD PERIPHERAL VASCULAR, INC., ARIZONA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FUTUREMATRIX INTERVENTIONAL, INC.; REEL/FRAME:025907/0742 EFFECTIVE DATE : 20110218
US8105275 BB	20150715	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8221351 BB	20120717	LSGT	+	granted / extensions (spc, cpc, pte)	
US8221351 BB	20100301	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:024008/0342 EFFECTIVE DATE : 20041101
US8221351 BB	20100301	LSAS	AS	ASSIGNMENT	OWNER NAME : FUTUREMED

						INTERVENTIONAL, INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; PEPPER, LANNY R.; DAVIES, WILLIAM F., JR.; REEL/FRAME:024007/0705 EFFECTIVE DATE : 20041012
US8221351 BB	20110307	LSAS	AS	ASSIGNMENT		OWNER NAME : BARD PERIPHERAL VASCULAR, INC., ARIZONA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FUTUREMATRIX INTERVENTIONAL, INC.; REEL/FRAME:025907/0742 EFFECTIVE DATE : 20110218
US8221351 BB	20151230	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US8323546 BB	20121204	LSGT	+	granted / extensions (spc, cpc, pte)		
US8323546 BB	20160519	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US8353868 BB	20130115	LSGT	+	granted / extensions (spc, cpc, pte)		
US8353868 BB	20101101	LSAS	AS	ASSIGNMENT		OWNER NAME : FUTUREMATRIX INTERVENTIONAL, INC., TEXAS DESCRIPTION : CHANGE OF NAME; ASSIGNOR:FUTUREMED INTERVENTIONAL, INC.; REEL/FRAME:025225/0645 EFFECTIVE DATE : 20041101
US8353868 BB	20101101	LSAS	AS	ASSIGNMENT		OWNER NAME : FUTUREMED INTERVENTIONAL, INC., TEXAS DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HAYES, KELLI; PEPPER, LANNY R.; DAVIES, WILLIAM F., JR.; REEL/FRAME:025225/0590 EFFECTIVE DATE : 20041012
US8353868 BB	20110307	LSAS	AS	ASSIGNMENT		OWNER NAME : BARD PERIPHERAL VASCULAR, INC., ARIZONA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:FUTUREMATRIX INTERVENTIONAL, INC.; REEL/FRAME:025907/0742 EFFECTIVE DATE : 20110218
US8353868 BB	20160630	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US8469926 BB	20130625	LSGT	+	granted / extensions (spc, cpc, pte)		
US8469926 BB	20161208	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US8715229 BB	20140506	LSGT	+	granted / extensions (spc, cpc, pte)		
US8715229 BB	20150414	LSRE	CC	CERTIFICATE OF CORRECTION		
US8945168 BB	20150203	LSGT	+	granted / extensions (spc, cpc, pte)		
US8961849 BB	20150224	LSGT	+	granted / extensions (spc, cpc, pte)		
US8961849 BB	20160126	LSRE	CC	CERTIFICATE OF CORRECTION		
US9114236 BB	20150825	LSGT	+	granted / extensions (spc, cpc, pte)		
US9446221 BB	20160920	LSGT	+	granted / extensions (spc, cpc, pte)		

Title: MEDICAL DEVICES INCLUDING NANOCOMPOSITES

Abstract: Source: US2006165926A A medical device includes a component having a composite. The composite includes a matrix material and particles having molybdenum and sulfur. The particles can further include iodine.

Classifications:

International (IPC 8-9): A61B1/00 A61L27/40 A61L27/44 A61L29/00 A61L29/12 A61L31/12 A61L31/18 B32B27/20 B32B27/32 C08K3/00 C08K3/30 (Advanced/Invention);

A61F2/958 A61M25/00 A61M25/10 (Advanced/Non-invention)

CPC: Y10T428/13 Y10T428/1334 Y10T428/1352 Y10T428/139

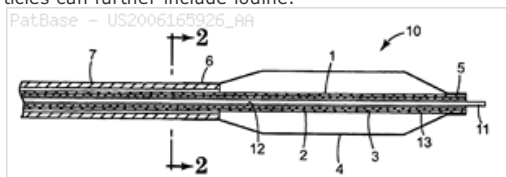
A61L29/126 A61L2400/12 B32B1/08 B32B27/06 B32B27/18

B32B2250/44 B32B2264/105 B32B2535/00 B82Y30/00 C08L9/02

European: A61L29/12D B32B1/08 B32B27/06 B32B27/18

B82Y30/00 K61L400/12 L32B250/44 L32B264/10H L32B535/00 M08L9/02

US: 428/34.1 428/34.100S 428/35.2 428/35.200P 428/35.7 428/35.700S 428/36.9 428/36.900S



Family:

Publication number	Publication date	Application number	Application date
CA2600865 AA	20070718	CA20062600865	20060126
EP1848469 A2	20071031	EP20060849289	20060126
JP2008528246 T2	20080731	JP20070556154T	20060126
US2006165926 AA	20060727	US20050044376	20050127
WO07086855 A2	20070802	WO2006US02925	20060126
WO07086855 A3	20071115	WO2006US02925	20060126

Priority:

US20050044376 20050127 WO2006US02925 20060126

Probable Assignee: BOSTON SCIENTIFIC SCIMED INC

Assignee(s): (std): BOSTON SCIENT LTD ; WEBER JAN

Assignee(s): BOSTON SCIENTIFIC LIMITED ; BOSTON SCIENTIFIC LTD ; BOSTON SCIENTIFIC SCIMED INC

Inventor(s): (std): WEBER JAN

Agent(s): SMART AND BIGGAR; FISH AND RICHARDSON PC

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CA2600865 AA	20070718	LSPB	+	published / reissued	
CA2600865 AA	20110126	LSSES	+EEER	EXAMINATION REQUEST	
CA2600865 AA	20110203	LSSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20110126
CA2600865 AA	20140325	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20140128
EP1848469 A2	20071031	LSPB	+	published / reissued	
EP1848469 A2	20071031	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20070719
EP1848469 A2	20071226	LSSES	R17D	SEARCH REPORT (CORRECTION)	EFFECTIVE DATE : 20071115
EP1848469 A2	20080213	LSRE	RIC1	CLASSIFICATION (CORRECTION)	IPC : C08K 3/00 20060101ALI20080104BHEP
EP1848469 A2	20080213	LSRE	RIC1	CLASSIFICATION (CORRECTION)	IPC : A61L 31/18 20060101AFI20080104BHEP
EP1848469 A2	20080213	LSRE	RIC1	CLASSIFICATION (CORRECTION)	IPC : C08K 3/30 20060101ALI20080104BHEP
EP1848469 A2	20080213	LSRE	RIC1	CLASSIFICATION (CORRECTION)	IPC : B32B 27/20 20060101ALI20080104BHEP
EP1848469 A2	20090121	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20081223
EP1848469 A2	20120328	LSDW	-18D	DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20111004
JP2008528246 T2	20080731	LSPB	+	published /	

JP2008528246 T2	20090120	LSES	+A621	reissued WRITTEN REQUEST FOR APPLICATION EXAMINATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20090119
JP2008528246 T2	20120111	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20120110
JP2008528246 T2	20120111	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20120110
JP2008528246 T2	20120613	LSRV	-A02	DECISION OF REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20120612
US2006165926 AA	20060727	LSPB	+	published / reissued	
US2006165926 AA	20050216	LSAS	AS	ASSIGNMENT	OWNER NAME : BOSTON SCIENTIFIC SCIMED, INC., MINNESOTA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WEBER, JAN; REEL/FRAE:015727/0313 EFFECTIVE DATE : 20050126
WO07086855 A2	20070802	LSPB	+	published / reissued	
WO07086855 A3	20070718	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2600865 COUNTRY OF REF DOCUMENT : CA
WO07086855 A3	20070724	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007556154 COUNTRY OF REF DOCUMENT : JP

Title: BALLOON CATHETER SYSTEM FOR TREATING VASCULAR OCCLUSIONS

Abstract: Source: US2007088380A The present invention provides a balloon catheter comprising: a hollow inner shaft disposed within a hollow outer shaft; a balloon attached at its proximal end to said outer shaft and at its distal end to said inner shaft; wherein the inner shaft is constructed such that following radial expansion of the balloon to a first expanded state, said inner shaft is capable of responding to further longitudinal expansion of the balloon to a second expanded state by increasing its length from a resting value, and of responding to subsequent partial deflation back to said first expanded state by reducing its length back to said resting value.

Classifications:

International (IPC 8-9): A61B17/22 A61F2/958 A61M25/00

A61M25/01 A61M25/10 A61M25/14 A61M29/00 A61M29/02

A61M31/00 (Advanced/Invention);

A61M25/01 (Advanced/Non-invention)

CPC: A61M25/0052 A61M25/0054 A61M2025/0183 A61M2025/1065

A61M2025/1068 A61M25/0119 A61M25/0032 A61M2025/0024

A61M2025/0025 A61M2025/0034 A61M2025/09125 A61M2025/1015

A61M25/10181 A61M25/10188 A61M25/104 A61M25/1002

A61M25/1006 A61M2025/1061 A61M25/1018

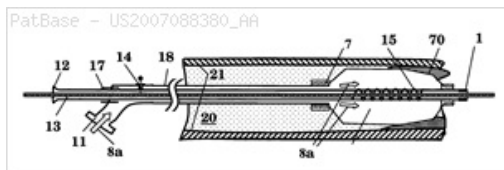
European: A61M25/10A A61M25/10B A61M25/10P K61M25/00R1A K61M25/00R1B K61M25/00R1M10 K61M25/00R1M8

K61M25/00S2B K61M25/00S3 K61M25/01C5 K61M25/01M K61M25/09L K61M25/10A K61M25/10D2 K61M25/10E

K61M25/10Z10 K61M25/10Z11 K61M25/10Z8

US: 604/103 604/103.04 604/103.040S 604/103.06 604/103.060S 604/103.07 604/103P 604/509 604/509S 604/97.01

604/97.010P 606/127 606/127S 606/159 606/191 606/191S 606/192 606/192P 606/194 606/194P 606/194S

**Family:**

Publication number	Publication date	Application number	Application date
AT485073 E	20101115	AT20070736330T	20070514
AT514452 E	20110715	AT20060809095T	20061013
CA2625714 AA	20080411	CA20062625714	20061013
CA2625714 C	20140708	CA20062625714	20061013
CA2651380 AA	20081105	CA20072651380	20070514
CA2651380 C	20150505	CA20072651380	20070514
CA2703345 AA	20100422	CA20082703345	20081022
CA2703345 C	20160412	CA20082703345	20081022
DE602006022820 D1	20110825	DE200660022820T	20061013
DE602007009968 D1	20101202	DE200760009968T	20070514
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EP1942976 A2	20080716	EP20060809095	20061013
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Priority:

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Probable Assignee: ENDOCROSS LTD

Assignee(s): (std): BUCHBINDER MAURICE ; DUBI SHAY ; ENDOCROSS ; ENDOCROSS LTD ; HIRSZOWICZ ERAN ; LEVIT ERAN

Assignee(s): ENDOCROSS LTDP.O. BOX 620NEW INDUSTRIAL PARK20692YOKNEAMIL

Inventor(s): (std): ERAN HIRSZOWICZ ; ERAN LEVIT ; HIRSZOWICZ ERAN ; BUCHBINDER MAURICE ; DUBI SHAY ; LEVIT

ERAN

Inventor(s): LEVIT ERAN 25147 ; LEVIT ERANIL ; DUBI SHAYIL ; HIRSZOWICZ ERAN 52236 ; HIRSZOWICZ ERANIL

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT485073 E	20101115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT485073 E	20110415	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT514452 E	20110715	LSGT	+	granted / extensions (spc, cpc, pte)	
AT514452 E	20111215	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
CA2625714 AA	20080411	LSPB	+	published / reissued	
CA2625714 AA	20080411	LSNP	+AFNE	NATIONAL PHASE ENTRY	
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CA2703345 C	20160412	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP1942976 A2	20090520	LSES	R17D	SEARCH REPORT (CORRECTION)	EFFECTIVE DATE : 20090416
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EP1942976 A2	20110803	LSRE	RIN2	INVENTOR (CORRECTION)	INVENTOR (CORRECTION)	INVENTOR NAME : LEVIT, ERAN
EP1942976 A2	20110803	LSRE	RIN2	INVENTOR (CORRECTION)	INVENTOR (CORRECTION)	INVENTOR NAME : DUBI, SHAY
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				ANNUAL FEES PAID TO NATIONAL OFFICE	PAYMENT DATE : 20151014 YEAR OF FEE PAYMENT : 10
EP1942976 B1	20110629	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2018207 A1	20090128	LSPB	+	published / reissued	
EP2018207 A1	20090128	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20081119
EP2018207 A1	20090603	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20090506
EP2018207 A1	20101020	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2018207 A1	20101029	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2018207 A1	20101117	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP2018207 A1	20101124	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2018207 A1	20110222	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A EFFECTIVE DATE : 20110210
EP2018207 A1	20110325	LSRV	-LTIE	LT: INVALIDATION OF EUROPEAN PATENT OR PATENT EXTENSION	EFFECTIVE DATE : 20101020
EP2018207 A1	20110630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : IS DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20110220
EP2018207 A1	20110630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LV DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20110630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20110630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : FI DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : BE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : GR DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20110121
EP2018207 A1	20110729	LSLE	-PG25	LAPSED IN A	REF COUNTRY CODE : AT

				CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : BG DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20110120
EP2018207 A1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : SE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : PT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20110221
EP2018207 A1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : SI DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20110729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20110511 YEAR OF FEE PAYMENT : 05
EP2018207 A1	20110729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : CH PAYMENT DATE : 20110512 YEAR OF FEE PAYMENT : 05
EP2018207 A1	20110729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20110617 YEAR OF FEE PAYMENT : 05
EP2018207 A1	20110729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20110523 YEAR OF FEE PAYMENT : 05
EP2018207 A1	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : SK DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CZ DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : EE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20110831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20110511 YEAR OF FEE PAYMENT : 05

EP2018207 A1	20110831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : NL PAYMENT DATE : 20110526 YEAR OF FEE PAYMENT : 05
EP2018207 A1	20110928	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20110721
EP2018207 A1	20110930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : RO DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20110930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : PL DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20110930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : DK DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20110930	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20110511 YEAR OF FEE PAYMENT : 05
EP2018207 A1	20110930	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20110516 YEAR OF FEE PAYMENT : 05
EP2018207 A1	20111117	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602007009968 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20110721
EP2018207 A1	20111230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : MT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20111230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : MC DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20110531
EP2018207 A1	20120731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : CH PAYMENT DATE : 20120514 YEAR OF FEE PAYMENT : 06
EP2018207 A1	20120731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : NL PAYMENT DATE : 20120515 YEAR OF FEE PAYMENT : 06
EP2018207 A1	20120731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20120510 YEAR OF FEE PAYMENT : 06
EP2018207 A1	20120731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20120510 YEAR OF FEE PAYMENT : 06
EP2018207 A1	20120831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20120509 YEAR OF FEE PAYMENT : 06
EP2018207 A1	20120831	LSFE	+PGFP	POSTGRANT:	REF COUNTRY CODE : FR

				ANNUAL FEES PAID TO NATIONAL OFFICE	PAYMENT DATE : 20120608 YEAR OF FEE PAYMENT : 06
EP2018207 A1	20120831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20120608 YEAR OF FEE PAYMENT : 06
EP2018207 A1	20120928	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20120511 YEAR OF FEE PAYMENT : 06
EP2018207 A1	20120928	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20120511 YEAR OF FEE PAYMENT : 06
EP2018207 A1	20121231	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20120607 YEAR OF FEE PAYMENT : 06
EP2018207 A1	20130531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CY DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20130531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LU DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20110514
EP2018207 A1	20130731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20130510 YEAR OF FEE PAYMENT : 07
EP2018207 A1	20130731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20130508 YEAR OF FEE PAYMENT : 07
EP2018207 A1	20130731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20130515 YEAR OF FEE PAYMENT : 07
EP2018207 A1	20130830	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20130514 YEAR OF FEE PAYMENT : 07
EP2018207 A1	20130830	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20130531 YEAR OF FEE PAYMENT : 07
EP2018207 A1	20130930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : TR DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : HU DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20101020
EP2018207 A1	20131211	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : V1 EFFECTIVE DATE : 20131201
EP2018207 A1	20131231	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2018207 A1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING	REF COUNTRY CODE : CH DESCRIPTION : LAPSE BECAUSE OF

				STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20130531
EP2018207 A1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LI DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20130531
EP2018207 A1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : NL DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20131201
EP2018207 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20140514 YEAR OF FEE PAYMENT : 08
EP2018207 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20140512 YEAR OF FEE PAYMENT : 08
EP2018207 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20140507 YEAR OF FEE PAYMENT : 08
EP2018207 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20140411 YEAR OF FEE PAYMENT : 08
EP2018207 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20140509 YEAR OF FEE PAYMENT : 08
EP2018207 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20140519 YEAR OF FEE PAYMENT : 08
EP2018207 A1	20150527	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 9
EP2018207 A1	20150731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20150519 YEAR OF FEE PAYMENT : 09
EP2018207 A1	20150731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20150527 YEAR OF FEE PAYMENT : 09
EP2018207 A1	20150731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20150520 YEAR OF FEE PAYMENT : 09
EP2018207 A1	20150831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20150527 YEAR OF FEE PAYMENT : 09
EP2018207 A1	20150831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20150527 YEAR OF FEE PAYMENT : 09
EP2018207 A1	20150831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20150526 YEAR OF FEE PAYMENT : 09
EP2018207 A1	20160520	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 10
EP2018207 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES	REF COUNTRY CODE : ES PAYMENT DATE : 20160520

				PAID TO NATIONAL OFFICE	YEAR OF FEE PAYMENT : 10
EP2018207 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20160520 YEAR OF FEE PAYMENT : 10
EP2018207 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20160520 YEAR OF FEE PAYMENT : 10
EP2018207 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20160523 YEAR OF FEE PAYMENT : 10
EP2018207 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20160520 YEAR OF FEE PAYMENT : 10
EP2018207 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20160524 YEAR OF FEE PAYMENT : 10
EP2018207 B1	20101020	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2181728 A1	20100505	LSPB	+	published / reissued	
EP2181728 A1	20101215	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20101104
EP2181728 A1	20101229	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20101124
EP2181728 A1	20111005	LSRE	RIC1	CLASSIFICATION (CORRECTION)	IPC : A61M 25/10 20060101AFI20110829BHEP
EP2181728 A1	20111005	LSRE	RIC1	CLASSIFICATION (CORRECTION)	IPC : A61M 25/01 20060101ALN20110829BHEP
EP2181728 A1	20111228	LSRE	RIC1	CLASSIFICATION (CORRECTION)	IPC : A61M 25/10 20060101AFI20111118BHEP
EP2181728 A1	20111228	LSRE	RIC1	CLASSIFICATION (CORRECTION)	IPC : A61M 25/01 20060101ALN20111118BHEP
EP2181728 A1	20120516	LSRE	RIN1	INVENTOR (CORRECTION)	INVENTOR NAME : HIRSZOWICZ, ERAN
EP2181728 A1	20120516	LSRE	RIN1	INVENTOR (CORRECTION)	INVENTOR NAME : LEVIT, ERAN
EP2181728 A1	20120516	LSRE	RIN1	INVENTOR (CORRECTION)	INVENTOR NAME : DUBI, SHAY
EP2181728 A1	20120627	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2181728 A1	20120629	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2181728 A1	20120715	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 563803 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T EFFECTIVE DATE : 20120715
EP2181728 A1	20120718	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2181728 A1	20120823	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602007023758 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20120823
EP2181728 A1	20121001	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2387743 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3

EP2181728 A1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : FI DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : SE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20121107	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20120627
EP2181728 A1	20121115	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 563803 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T EFFECTIVE DATE : 20120627
EP2181728 A1	20121126	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D EFFECTIVE DATE : 20120627
EP2181728 A1	20121130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : SI DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20121130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : GR DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120928
EP2181728 A1	20121130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LV DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : AT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : BE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : EE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627

EP2181728 A1	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CY DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : IS DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20121027
EP2181728 A1	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : PT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20121029
EP2181728 A1	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CZ DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : RO DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : PL DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : SK DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20130329	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : NL DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20130430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : DK DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20130605	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20130328
EP2181728 A1	20130725	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602007023758 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130328
EP2181728 A1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM	REF COUNTRY CODE : BG DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-

				NAT. OFFICE TO EPO	LIMIT EFFECTIVE DATE : 20120927
EP2181728 A1	20130731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20130515 YEAR OF FEE PAYMENT : 07
EP2181728 A1	20130731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20130508 YEAR OF FEE PAYMENT : 07
EP2181728 A1	20130830	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20130531 YEAR OF FEE PAYMENT : 07
EP2181728 A1	20130830	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20130514 YEAR OF FEE PAYMENT : 07
EP2181728 A1	20131231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : MC DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20131231	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2181728 A1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LI DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20130531
EP2181728 A1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CH DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20130531
EP2181728 A1	20140226	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2181728 A1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : IE DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20130514
EP2181728 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20140514 YEAR OF FEE PAYMENT : 08
EP2181728 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20140509 YEAR OF FEE PAYMENT : 08
EP2181728 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20140411 YEAR OF FEE PAYMENT : 08
EP2181728 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20140519 YEAR OF FEE PAYMENT : 08
EP2181728 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20140507 YEAR OF FEE PAYMENT : 08
EP2181728 A1	20150227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM	REF COUNTRY CODE : MT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-

				NAT. OFFICE TO EPO	LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20150527	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 9
EP2181728 A1	20150630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : TR DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20120627
EP2181728 A1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : HU DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO EFFECTIVE DATE : 20070514
EP2181728 A1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LU DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20130514
EP2181728 A1	20150731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20150520 YEAR OF FEE PAYMENT : 09
EP2181728 A1	20150731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20150527 YEAR OF FEE PAYMENT : 09
EP2181728 A1	20150731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20150519 YEAR OF FEE PAYMENT : 09
EP2181728 A1	20150831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20150527 YEAR OF FEE PAYMENT : 09
EP2181728 A1	20150831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20150526 YEAR OF FEE PAYMENT : 09
EP2181728 A1	20160520	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 10
EP2181728 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : ES PAYMENT DATE : 20160520 YEAR OF FEE PAYMENT : 10
EP2181728 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20160520 YEAR OF FEE PAYMENT : 10
EP2181728 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20160520 YEAR OF FEE PAYMENT : 10
EP2181728 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20160520 YEAR OF FEE PAYMENT : 10
EP2181728 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IT PAYMENT DATE : 20160524 YEAR OF FEE PAYMENT : 10
EP2181728 B1	20120627	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2219723 A2	20100825	LSPB	+	published / reissued	

EP2219723 A2	20100825	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20100507
EP2359893 A1	20110824	LSPB	+	published / reissued	
EP2359893 A1	20120822	LSDW	-18D	DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20120225
ES2352693 T3	20110222	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2366154 T3	20111017	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2387743 T3	20121001	LSGT	+	granted / extensions (spc, cpc, pte)	
JP2009511149 T2	20090319	LSPB	+	published / reissued	
JP2009511149 T2	20090930	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20090929
JP2009511149 T2	20090930	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20090929
JP2009511149 T2	20111026	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20111025
JP2009511149 T2	20111026	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20111025
JP2009511149 T2	20120627	LSRV	-A02	DECISION OF REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20120626
JP2009537211 T2	20091029	LSPB	+	published / reissued	
JP2009537211 T2	20100512	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20100511
JP2009537211 T2	20120307	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20120306
JP2009537211 T2	20120905	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120904
JP2009537211 T2	20130307	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2009537211 T2	20130313	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20130312
JP2009537211 T2	20130418	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20130409
JP2009537211 T2	20130419	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R150
JP2009537211 T2	20130422	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20160419 YEAR OF FEE PAYMENT : 3
JP2011500249 T2	20110106	LSPB	+	published / reissued	
JP2011500249 T2	20111025	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20111024
JP2011500249 T2	20111025	LSES	+A621	WRITTEN REQUEST FOR	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621

				APPLICATION EXAMINATION	EFFECTIVE DATE : 20111024
JP2011500249 T2	20130206	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130205
JP2011500249 T2	20131225	LSRV	-A02	DECISION OF REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20131224
JP2014176729 A2	20140925	LSPB	+	published / reissued	
JP2014176729 A2	20150225	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150224
JP2014176729 A2	20150724	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150724
JP2014176729 A2	20160512	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160512
JP5247682 B2	20130724	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5247682 B2	20100512	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20100511
JP5247682 B2	20120307	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20120306
JP5247682 B2	20120905	LSRE	A521	WRITTEN AMENDMENT	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120904
JP5247682 B2	20130307	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP5247682 B2	20130313	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20130312
JP5247682 B2	20130418	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	DESCRIPTION : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20130409
JP5247682 B2	20130419	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R150
JP5247682 B2	20130422	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	DESCRIPTION : PAYMENT UNTIL: 20160419 YEAR OF FEE PAYMENT : 3
JP5247682 B2	20160426	LSFE	+R250	RECEIPT OF ANNUAL FEES	DESCRIPTION : JAPANESE INTERMEDIATE CODE: R250
US2007088380 AA	20070419	LSPB	+	published / reissued	
US2009171278 AA	20090702	LSPB	+	published / reissued	
US2009171278 AA	20110119	LSAS	AS	ASSIGNMENT	OWNER NAME : ENDOCROSS LTD., ISRAEL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HIRSZOWICZ, ERAN; LEVIT, ERAN; DUBI, SHAY; SIGNING DATES FROM 20101122 TO 20101129; REEL/FRAME:025661/0438
US2009247945 AA	20091001	LSPB	+	published / reissued	
US2009247945 AA	20090611	LSAS	AS	ASSIGNMENT	OWNER NAME : ENDOCROSS LTD., ISRAEL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LEVIT, ERAN;

HIRSZOWICZ, ERAN;
REEL/FRAME:022814/0419
EFFECTIVE DATE : 20090608

US2009254114 AA	20091008	LSPB	+	published / reissued	
US2009254114 AA	20110119	LSAS	AS	ASSIGNMENT	OWNER NAME : ENDOCROSS LTD., ISRAEL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HIRSZOWICZ, ERAN; LEVIT, ERAN; DUBI, SHAY; SIGNING DATES FROM 20090608 TO 20101123; REEL/FRAME:025661/0474
US2011196412 AA	20110811	LSPB	+	published / reissued	
US2012245608 AA	20120927	LSPB	+	published / reissued	
US7942850 BB	20110517	LSGT	+	granted / extensions (spc, cpc, pte)	
US7942850 BB	20090611	LSAS	AS	ASSIGNMENT	OWNER NAME : ENDOCROSS LTD., ISRAEL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LEVIT, ERAN; HIRSZOWICZ, ERAN; REEL/FRAME:022814/0419 EFFECTIVE DATE : 20090608
US7942850 BB	20110322	LSAS	AS	ASSIGNMENT	OWNER NAME : ENDOCROSS LTD., ISRAEL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:BUCHBINDER, MAURICE; REEL/FRAME:025997/0604 EFFECTIVE DATE : 20110303
US7942850 BB	20141022	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8197505 BB	20120612	LSGT	+	granted / extensions (spc, cpc, pte)	
US8197505 BB	20110119	LSAS	AS	ASSIGNMENT	OWNER NAME : ENDOCROSS LTD., ISRAEL DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HIRSZOWICZ, ERAN; LEVIT, ERAN; DUBI, SHAY; SIGNING DATES FROM 20101122 TO 20101129; REEL/FRAME:025661/0438
US8197505 BB	20151125	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8372034 BB	20130212	LSGT	+	granted / extensions (spc, cpc, pte)	
US8372034 BB	20160728	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
WO07042936 A2	20070419	LSPB	+	published / reissued	
WO07042936 A3	20080411	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2008535128 COUNTRY OF REF DOCUMENT : JP
WO07042936 A3	20080411	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2625714 COUNTRY OF REF DOCUMENT : CA
WO07042936 A3	20080415	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO07042936 A3	20080502	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2006809095 COUNTRY OF REF DOCUMENT : EP
WO07042936 A3	20080716	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2006809095 COUNTRY OF REF DOCUMENT : EP
WO07132464 A1	20071122	LSPB	+	published / reissued	
WO07132464 A1	20081105	LSNP	+WWE	WIPO	REF DOCUMENT NUMBER : 2651380

WO07132464 A1	20081113	LSNP	+WWE	INFORMATION: ENTRY INTO NATIONAL PHASE	COUNTRY OF REF DOCUMENT : CA
				WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2009510617 COUNTRY OF REF DOCUMENT : JP
WO07132464 A1	20081118	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO09053839 A2	20090430	LSPB	+	published / reissued	
WO09053839 A2	20100422	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2010530587 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A
WO09053839 A2	20100422	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2703345 COUNTRY OF REF DOCUMENT : CA
WO09053839 A3	20100422	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2010530587 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A
WO09053839 A3	20100422	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2703345 COUNTRY OF REF DOCUMENT : CA
WO09053839 A3	20100422	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2010530587 COUNTRY OF REF DOCUMENT : JP
WO09053839 A3	20100422	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2703345 COUNTRY OF REF DOCUMENT : CA
WO09053839 A3	20100423	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

Title: INFLATABLE MEDICAL DEVICES

Abstract: Source: US2009299327A Inflatable medical devices and methods for making and using the same are disclosed. The inflatable medical devices can be medical balloons. The balloons can be configured to have a through-lumen or no through-lumen and a wide variety of geometries. The device can have a high-strength, non-compliant, fiber-reinforced, multi-layered wall. The inflatable medical device can be used for angioplasty, kyphoplasty, percutaneous aortic valve replacement, or other procedures described herein.

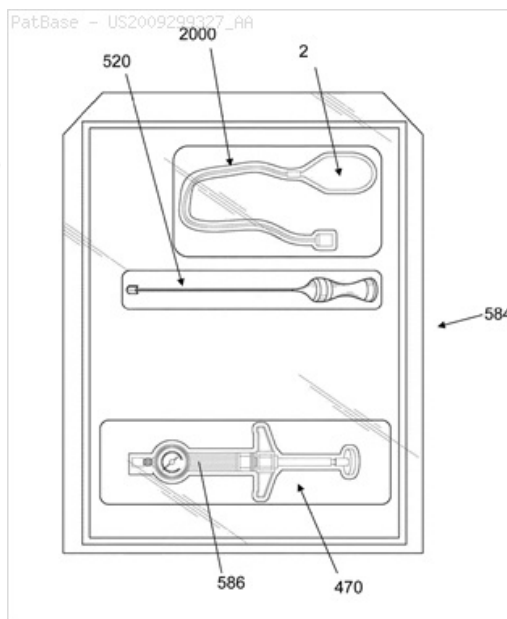
Classifications:

International (IPC 8-9): A61B17/56 A61B17/58 A61B17/72 A61B17/88 A61F2/958 A61M25/01 A61M25/098 A61M25/10 A61M25/14 A61M29/00 A61M29/02 A61M31/00 B29C41/02 B29C53/04 B29C53/82 B29C65/48 B32B38/10 (Advanced/Invention); A61F5/00 B29C41/04 B29C41/14 (Advanced/Non-invention)

CPC: A61B17/8816 A61B17/8827 A61B17/8833 A61B17/8855 A61F5/0036 A61M25/0147 A61M25/1002 A61M25/1027 A61M25/1029 A61M2025/1031 A61M2025/1072 A61M2025/1075 A61M2025/1086 A61M2025/1088 A61M2025/1093 A61M2210/02 B29C41/04 B29C41/14 A61M29/02 Y10T156/1028 Y10T156/108 A61M2210/125

European: A61B17/88A2E A61B17/88A2V A61B17/88A4 A61B17/88C2B A61M25/01C10K A61M25/10A A61M25/10G1 K61M210/02 K61M25/10G K61M25/10G1A K61M25/10Z13 K61M25/10Z14 K61M25/10Z19 K61M25/10Z20 K61M25/10Z22 L29C41/04 L29C41/14

US: 1/1 156/155 156/212 156/212S 156/267 156/267S 604/103.06 604/103.06P 604/103.1 604/103.100P 604/103.100S 604/500 604/500P 604/96.01 604/96.010S 604/99.04 604/99.040S 606/191 606/191P 606/192 606/192P 606/192S 606/63 606/63P 606/86.00RP 606/86R 606/94 606/94P

**Family:**

Publication number	Publication date	Application number	Application date
EP2300094 A1	20110330	EP20090759267	20090602
EP2300094 A4	20111102	EP20090759267	20090602
EP2300094 B1	20130724	EP20090759267	20090602
US2009299327 AA	20091203	US20090476848	20090602
US2009299374 AA	20091203	US20090476922	20090602
US2009299401 AA	20091203	US20090477016	20090602
US2009301643 AA	20091210	US20090477088	20090602
US2009306589 AA	20091210	US20090477084	20090602
US2010076437 AA	20100325	US20090477005	20090602
US2010152654 AA	20100617	US20090476993	20090602
US2010241152 AA	20100923	US20090477057	20090602
US2010241153 AA	20100923	US20090477077	20090602
US2010241178 AA	20100923	US20090477048	20090602
US2011198019 AA	20110818	US20100954030	20101124
US2014324092 AA	20141030	US20140263546	20140428
US2017050004 AA	20170223	US20160344066	20161104
US8708955 BB	20140429	US20090477084	20090602
US9186488 BB	20151117	US20090477088	20090602
US9504811 BB	20161129	US20090477077	20090602
WO09149108 A1	20091210	WO2009US46008	20090602

Priority:

US20080057986P 20080602	US20080086739P 20080806	US20080105385P 20081014
US20090205866P 20090122	US20090476922 20090602	US20090476848 20090602
US20090477016 20090602	US20090477088 20090602	US20090477084 20090602
US20090477005 20090602	US20090476993 20090602	US20090477057 20090602
US20090477077 20090602	US20090477048 20090602	WO2009US46008 20090602
US20100954030 20101124	US20140263546 20140428	US20160344066 20161104

Probable Assignee: LOMA VISTA MEDICAL INC

Assignee(s): (std): ADAMS CHRISTOPHER M ; DOWNS ROLAND J ; HOLWEGER JON M ; LOMA VISTA MEDICAL INC ; TILSON ALEXANDER Q ; SCHEEFF MARK C ; LORNA VISTA MEDICAL INC ; SCHEEFF MARK CHRISTOPHER ; TILSON ALEXANDER QUILLIN

Inventor(s): (std): ADAMS CHRISTOPHER M ; ADAMS CHRISTOPHER MICHAEL ; DOWNS ROLAND J ; HOLWEGER JON M ; HOLWEGER JON MICHAEL ; SCHEEFF MARK C ; SCHEEFF MARK CHRISTOPHER ; TILSON ALEXANDER Q ; TILSON ALEXANDER QUILLIN

Agent(s): THOMA MICHAEL ; LEVINE BAGADE HAN LLP ; KING AND SCHICKLI PLLC ; LEVINE DAVID A 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 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
EP2300094 A1	20110330	LSPB	+	published / reissued	
EP2300094 A1	20110330	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20110118
EP2300094 A1	20110615	LSSES	+R17P	REQUEST FOR EXAMINATION FILED (CORRECTION)	EFFECTIVE DATE : 20101228
EP2300094 A1	20111102	LSSES	+A4	DESPATCH OF SUPPLEMENTARY SEARCH REPORT	EFFECTIVE DATE : 20111006
EP2300094 A1	20111102	LSRE	RIC1	CLASSIFICATION (CORRECTION)	IPC : A61M 29/00 20060101AFI20110929BHEP
EP2300094 A1	20111102	LSRE	RIC1	CLASSIFICATION (CORRECTION)	IPC : B29C 41/02 20060101ALI20110929BHEP
EP2300094 A1	20120711	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20120606
EP2300094 A1	20130220	LSRE	RIC1	CLASSIFICATION (CORRECTION)	IPC : A61M 25/10 20130101AFI20130116BHEP
EP2300094 A1	20130724	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2300094 A1	20130731	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2300094 A1	20130815	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 623041 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T EFFECTIVE DATE : 20130815
EP2300094 A1	20130828	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2300094 A1	20130919	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602009017452 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130919
EP2300094 A1	20131215	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 623041 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T EFFECTIVE DATE : 20130724
EP2300094 A1	20131218	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20130724
EP2300094 A1	20131227	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2300094 A1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : PT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20131125
EP2300094 A1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : SE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : NO DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20131024

EP2300094 A1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CY DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130710
EP2300094 A1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : BE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : HR DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
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EP2300094 A1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : IS DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20131124
EP2300094 A1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : FI DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : NL DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : PL DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : SI DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : GR DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20131025
EP2300094 A1	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LV DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140331	LSLE	-PG25	LAPSED IN A	REF COUNTRY CODE : CY

				CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : DK DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : RO DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : SK DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CZ DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : EE DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : IT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : ES DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20140702	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20140425
EP2300094 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20140528 YEAR OF FEE PAYMENT : 06
EP2300094 A1	20140731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20140610 YEAR OF FEE PAYMENT : 06
EP2300094 A1	20140807	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602009017452 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140425
EP2300094 A1	20140829	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20140528 YEAR OF FEE PAYMENT : 06
EP2300094 A1	20141128	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20140609 YEAR OF FEE PAYMENT : 06
EP2300094 A1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	REF COUNTRY CODE : MC DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A

				ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LU DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20140602
EP2300094 A1	20150130	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2300094 A1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : CH DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20140630
EP2300094 A1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : LI DESCRIPTION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES EFFECTIVE DATE : 20140630
EP2300094 A1	20150731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20150527 YEAR OF FEE PAYMENT : 07
EP2300094 A1	20150731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20150527 YEAR OF FEE PAYMENT : 07
EP2300094 A1	20150831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20150609 YEAR OF FEE PAYMENT : 07
EP2300094 A1	20150831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20150608 YEAR OF FEE PAYMENT : 07
EP2300094 A1	20160331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : MT DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20160516	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2300094 A1	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : BG DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : HU DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO EFFECTIVE DATE : 20090602
EP2300094 A1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	REF COUNTRY CODE : TR DESCRIPTION : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT EFFECTIVE DATE : 20130724
EP2300094 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : GB PAYMENT DATE : 20160601 YEAR OF FEE PAYMENT : 08

EP2300094 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : DE PAYMENT DATE : 20160524 YEAR OF FEE PAYMENT : 08
EP2300094 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : IE PAYMENT DATE : 20160609 YEAR OF FEE PAYMENT : 08
EP2300094 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	REF COUNTRY CODE : FR PAYMENT DATE : 20160516 YEAR OF FEE PAYMENT : 08
EP2300094 B1	20130724	LSGT	+	granted / extensions (spc, cpc, pte)	
US2009299327 AA	20091203	LSPB	+	published / reissued	
US2009299374 AA	20091203	LSPB	+	published / reissued	
US2009299401 AA	20091203	LSPB	+	published / reissued	
US2009301643 AA	20091210	LSPB	+	published / reissued	
US2009301643 AA	20090821	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TILSON, ALEXANDER QUILLIN; SCHEEFF, MARK CHRISTOPHER; REEL/FRAME:023131/0422 EFFECTIVE DATE : 20090603
US2009306589 AA	20091210	LSPB	+	published / reissued	
US2009306589 AA	20090821	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TILSON, ALEXANDER QUILLIN; SCHEEFF, MARK CHRISTOPHER; REEL/FRAME:023131/0092 EFFECTIVE DATE : 20090602
US2010076437 AA	20100325	LSPB	+	published / reissued	
US2010076437 AA	20090817	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC.,CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TILSON, ALEXANDER QUILLIN; SCHEEFF, MARK CHRISTOPHER; REEL/FRAME:023105/0821 EFFECTIVE DATE : 20090602
US2010076437 AA	20090817	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC.,CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TILSON, ALEXANDER QUILLIN; SCHEEFF, MARK CHRISTOPHER; US-ASSIGNMENT DATABASE UPDATED:20100325; REEL/FRAME:23105/821 EFFECTIVE DATE : 20090602
US2010152654 AA	20100617	LSPB	+	published / reissued	
US2010152654 AA	20091231	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC.,CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TILSON, ALEXANDER QUILLIN; SCHEEFF, MARK CHRISTOPHER; REEL/FRAME:023725/0280 EFFECTIVE DATE : 20090602
US2010152654 AA	20091231	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC.,CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TILSON, ALEXANDER QUILLIN; SCHEEFF, MARK CHRISTOPHER; REEL/FRAME:23725/280 EFFECTIVE DATE : 20090602

US2010152654 AA	20091231	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : DEVELOPMENT AND MANUFACTURING AGREEMENT; ASSIGNOR: CUBIC TECH CORPORATION; REEL/FRAME: 023876/0339 EFFECTIVE DATE : 20080416
US2010152654 AA	20091231	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : DEVELOPMENT AND MANUFACTURING AGREEMENT; ASSIGNOR: CUBIC TECH CORPORATION; REEL/FRAME: 23876/339 EFFECTIVE DATE : 20080416
US2010241152 AA	20100923	LSPB	+	published / reissued	
US2010241152 AA	20091231	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: TILSON, ALEXANDER QUILLIN; SCHEEFF, MARK CHRISTOPHER; DOWNS, ROLAND J.; AND OTHERS; SIGNING DATES FROM 20080416 TO 20090603; REEL/FRAME: 023725/0235
US2010241153 AA	20100923	LSPB	+	published / reissued	
US2010241153 AA	20091231	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: CUBIC TECH CORPORATION; REEL/FRAME: 023725/0302 EFFECTIVE DATE : 20080416
US2010241153 AA	20091231	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: TILSON, ALEXANDER QUILLIN; SCHEEFF, MARK CHRISTOPHER; REEL/FRAME: 023725/0323 EFFECTIVE DATE : 20090603
US2010241153 AA	20120917	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : SETTLEMENT AGREEMENT; ASSIGNOR: CUBIC TECH CORPORATION; REEL/FRAME: 028999/0812 EFFECTIVE DATE : 20100819
US2010241153 AA	20120917	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: DOWNS, ROLAND J.; ADAMS, CHRISTOPHER MICHAEL; HOLWEGGER, JON MICHAEL; REEL/FRAME: 028971/0275 EFFECTIVE DATE : 20100310
US2010241178 AA	20100923	LSPB	+	published / reissued	
US2010241178 AA	20091231	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: TILSON, ALEXANDER QUILLIN; SCHEEFF, MARK CHRISTOPHER; REEL/FRAME: 023725/0348 EFFECTIVE DATE : 20090602
US2010241178 AA	20091231	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: CUBIC TECH CORPORATION; REEL/FRAME: 023725/0326 EFFECTIVE DATE : 20080416
US2010241178 AA	20120917	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: DOWNS, ROLAND J.;

					ADAMS, CHRISTOPHER MICHAEL; HOLWEGGER, JON MICHAEL; REEL/FRAME:028971/0275 EFFECTIVE DATE : 20100310
US2010241178 AA	20120917	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : SETTLEMENT AGREEMENT; ASSIGNOR:CUBIC TECH CORPORATION; REEL/FRAME:028999/0812 EFFECTIVE DATE : 20100819
US2011198019 AA	20110818	LSPB	+	published / reissued	
US2011198019 AA	20101124	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TILSON, ALEXANDER QUILLIN; SCHEEFF, MARK CHRISTOPHER; REEL/FRAME:025420/0642 EFFECTIVE DATE : 20090603
US2014324092 AA	20141030	LSPB	+	published / reissued	
US2017050004 AA	20170223	LSPB	+	published / reissued	
US8708955 BB	20140429	LSGT	+	granted / extensions (spc, cpc, pte)	
US9186488 BB	20151117	LSGT	+	granted / extensions (spc, cpc, pte)	
US9504811 BB	20161129	LSGT	+	granted / extensions (spc, cpc, pte)	
WO09149108 A1	20091210	LSPB	+	published / reissued	
WO09149108 A1	20101203	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

Title: "INFLATABLE MEDICAL DEVICES"

Abstract: Source: US2013190796A Inflatable medical devices and methods for making and using the same are disclosed. The devices can be medical invasive balloons, such as those used for transcatheter heart valve implantation, such as balloons used for transcatheter aortic-valve implantation. The balloons can have high strength, fiber-reinforced walls.

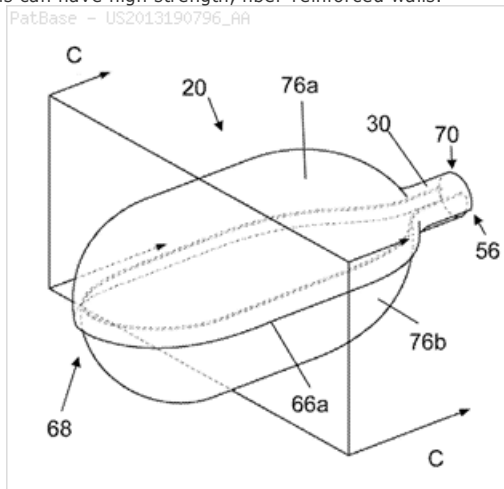
Classifications:

International (IPC 8-9): A61F2/04 A61F2/24 A61F2/958 A61M25/10 A61M29/00 A61M29/02 B29C53/38 C07D401/04 (Advanced/Invention); A61B18/00 A61B18/08 A61B18/14 A61F2/958 A61M25/01 B29C53/60 B29L31/00 (Advanced/Non-invention)

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AU2012207362 AA	20120726	AU20120207362	20120118
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WO2011US43925	20110713	WO2012US21753	20120118	US20120979186	20120118
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Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2012207362 AA	20120726	LSPB	+	published / reissued	

AU2012207362 AA	20161110	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2012207362 BB	20160714	LSGT	+	granted / extensions (spc, cpc, pte)	
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CN103415316 A	20131127	LSPB	+C06	PUBLICATION	
CN103415316 A	20170322	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103415316 B	20170322	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP2593171 A2	20130522	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20130205
EP2593171 A2	20151223	LSAS	RAP1	TRANSFER OF RIGHTS OF AN EP PUBLISHED APPLICATION	OWNER NAME : LOMA VISTA MEDICAL, INC.,
EP2665509 A1	20131127	LSPB	+	published / reissued	
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EP2665509 A1	20151223	LSAS	RAP1	TRANSFER OF RIGHTS OF AN EP PUBLISHED APPLICATION	OWNER NAME : LOMA VISTA MEDICAL, INC.,
EP2665509 A1	20160803	LSES	+RA4	DESPATCH OF SUPPLEMENTARY SEARCH REPORT	EFFECTIVE DATE : 20160701
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US2014066896 AA	20120125	LSAS	AS	ASSIGNMENT	OWNER NAME : LOMA VISTA MEDICAL, INC., CALIFORNIA DESCRIPTION : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:TILSON, ALEXANDER Q.; DREYER, PAUL J.; BARHAM, MITCHELL C.; AND OTHERS; SIGNING DATES FROM 20120118

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WO12009486 A3	20130320	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 13810153 COUNTRY OF REF DOCUMENT : US
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WO12099979 A1	20130717	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013550570 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A
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WO12099979 A1	20130815	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2827481 COUNTRY OF REF DOCUMENT : CA
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