

Search history

Search 1: FT=(IC=~ (A45D~)) (Results 0)
Search 2: A45D (Results 268)
Search 3: (hair and styl* and brush) (Results 4973)
Search 4: 2 and 3 (Results 11)

Title: DUAL ENDED LIP COSMETIC APPLICATOR

Abstract: A dual cosmetic container is disclosed. The container has a sleeve that has a first end and a second end, each of the ends are adapted to receive a receptacle for containing a cosmetic product. The cosmetic product in the first receptacle is different from the cosmetic product in the second receptacle. At least one of the products in one of the receptacles is a lip product.

Classifications:

International (IPC 8-9): A45D A45D33/28 A45D34/06 A45D40/00 A45D40/04 A45D40/06 A45D40/18 A45D40/24 A45D40/26 A46B11/00 B05C11/00 B43K1/06 B43K5/00 B43K5/02 B43K5/05 B43K5/06 (Advanced/Invention);

A45D34/00 A45D40/00 B05C11/00 B43K1/00 B43K5/00 (Core/Invention); A45D (Subclass/Invention)

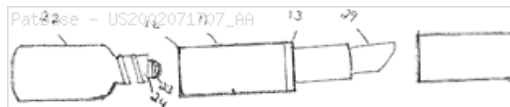
International (IPC 1-7): A45D33/28 A45D34/06 A45D40/00 A45D40/04 A45D40/06 A45D40/24 A45D40/26 A46B11/00 A46B15/00 B05C11/00 B05C17/01 B43K5/06 B43K7/06 B67D5/00

CPC: A45D34/04 A45D34/06 A45D40/04 A45D40/08 A45D40/18 A45D40/24 A45D2200/053 A45D2200/055 A45D2200/052

European: A45D34/04 A45D34/06 A45D40/04 A45D40/06 A45D40/08 A45D40/18 A45D40/24 K45D200/05D K45D200/05F K45D200/05H2 K45D40/08

US: 401/11 401/11P 401/138 401/143 401/17 401/171 401/171P 401/172 401/174 401/175 401/175S 401/179 401/18 401/183 401/183S 401/192 401/194 401/194S 401/195 401/205 401/205 401/26 401/262 401/265 401/266 401/266P 401/52 401/52P 401/6 401/6P 401/75 401/75S 401/78 401/82 401/87 401/9 401/98 401/9S D28/88

Locarno class: 28/03 28/02



Family:

Publication number	Publication date	Application number	Application date
AT395842 E	20080615	AT20020796388T	20020817
AU2002332569 AA	20030310	AU20020332569	20020817
CA108979 S	20051219	CA20040108979F	20041112
CA2457587 AA	20040219	CA20022457587	20020817
CA2457587 C	20111206	CA20022457587	20020817
CN100490700 C	20090527	CN20028016273	20020817
CN1545390 A	20041110	CN20028016273	20020817
CN3585149 D	20061129	CN200530139514F	20041105
CN3585150 D	20061129	CN200530139515F	20041105
CN3606141 D	20070131	CN200430059223F	20041105
DE60226752 D1	20080703	DE20026026752	20020817
EP1427307 A1	20040616	EP20020796388	20020817
EP1427307 B1	20080521	EP20020796388	20020817
EP1595471 A1	20051116	EP20050012068	20020817
HK1070796 A1	20091231	HK20050103744	20050503
HK1070796 A1	20050630	HK20050103744	20050503
HK1070796 A3	20050630	HK20050103744	20050503
HK1070796 B	20091231	HK20050103744	20050503
JP2005500111 T2	20050106	JP20030522332T	20020817
MXPA04001678 A1	20050411	MX2004PA01678	20020817
PL374405 A1	20051017	PL20020374405	20020817
US2002071707 AA	20020613	US20010842372	20010425
US2002090247 AA	20020711	US20010934076	20010821
US2004126179 AA	20040701	US20020210779	20020801
US2004161292 AA	20040819	US20030607725	20030627
US2005013649 AA	20050120	US20040776955	20040211
US2008131187 AA	20080605	US20070986550	20071121
US2009041528 AA	20090212	US20050408585	20050516
US6488427 BA	20021203	US20000515956	20000229
US6607323 BB	20030819	US20010934076	20010821
US6981811 BB	20060103	US20030607725	20030627
US7210870 BB	20070501	US20020210779	20020801
US7377707 BB	20080527	US20040776955	20040211
USD508297 S1	20050809	US20040205575F	20040518
USD558926 S1	20080101	US20050229339F	20050505
USD558927 S1	20080101	US20050229340F	20050505
WO03017799 A1	20030306	WO2002US26230	20020817

Priority:

US20000515956	20000229	US20000515956F	20000229	US20010842372F	20010425
US20010842372	20010425	US20010147016F	20010821	US20010147016F	20010821
US20010174016	20010821	US20010174016F	20010821	US20010934076F	20010821
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WO2002US26230	20020817	US20030607725	20030627	US20040776955	20040211
US20040776955F	20040211	US20040205575F	20040518	US20050229340F	20050505
US20050229339F	20050505	US20050408585	20050516	US20070986550	20071121

Probable Assignee: FRAGRANCE SYSTEMS INT INC

Assignee(s): (std): BREIDEBACH DIANE C ; BREIDEBACH DIANE C MILLE LAURE ; BREIDENBACH DIANE ; BREIDENBACH DIANE C ; COSMETIC CONCEPTS INC ; DIANE C BREIDENBACH ; MILLE LAURENCE W ; MILLE LAURENCE ; LAURENCE W MILLE

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Inventor(s): (std): BREIDEBACH DIANE C ; BREIDENBACH DIANE C ; BREIDENBACH DIANE C MILLE LAUR ; LAURENCE W MILLE ; MILLE LAURENCE W ; MILLE LAURENCE ; BREIDENBACH DIANE

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OROURKE; THOMAS A; BODNER AND OROURKE LLP; OROURKE THOMAS A

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT395842 E	20080615	LSGT	+	granted / extensions (spc, cpc, pte)	
AT395842 E	20081115	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT395842 E	20220817	PEXP		Calculated Patent Term Expiry	
AU2002332569 AA	20030310	LSPB	+	published / reissued	
CA108979 S	20051219	LSGT	+	granted / extensions (spc, cpc, pte)	
CA108979 S	20151219	PEXP		Calculated Patent Term Expiry	
CA2457587 AA	20040219	LSPB	+	published / reissued	
CA2457587 AA	20070719	LSSES	+EEER	EXAMINATION REQUEST	
CA2457587 C	20111206	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2457587 C	20220817	PEXP		Calculated Patent Term Expiry	
CN100490700 C	20090527	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100490700 C	20090527	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN100490700 C	20091231	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1070796 COUNTRY OF REF DOCUMENT : HK
CN100490700 C	20161012	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN100490700 C	20220817	PEXP		Calculated Patent Term Expiry	
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CN1545390 A	20041110	LSPB	+C06	PUBLICATION	
CN3585149 D	20061129	LSGT	+	granted / extensions (spc, cpc, pte)	
CN3585149 D	20141105	PEXP		Calculated Patent Term Expiry	
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CN3585150 D	20141105	PEXP		Calculated Patent Term Expiry	
CN3606141 D	20070131	LSGT	+	granted / extensions (spc, cpc, pte)	
CN3606141 D	20141105	PEXP		Calculated Patent Term Expiry	
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EP1427307 A1	20040616	LSPB	+	published /	

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EP1427307 A1	20040616	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20040322	
EP1427307 A1	20040818	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20040630	
EP1427307 A1	20061102	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20040630	
EP1427307 A1	20070801	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20040630	
EP1427307 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160823 YEAR OF FEE PAYMENT : 15	
EP1427307 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160824 YEAR OF FEE PAYMENT : 15	
EP1427307 A1	20161130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160825 YEAR OF FEE PAYMENT : 15	
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EP1427307 B1	20080806	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D	
EP1427307 B1	20081031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES 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 : 20080901	
EP1427307 B1	20081031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL 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 : 20080521	
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EP1427307 B1	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080521	
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EP1427307 B1	20090227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20080521
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EP1427307 B1	20090331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20080831
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EP1427307 B1	20090429	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20090224
EP1427307 B1	20090430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20080821
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EP1427307 B1	20170823	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 16
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EP1427307 B1	20220817	PEXP		Calculated Patent Term Expiry	
EP1595471 A1	20051116	LSPB	+	published / reissued	
EP1595471 A1	20051116	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20050604
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COUNTRY OF REF DOCUMENT : IT
 COUNTRY OF REF DOCUMENT : LI
 COUNTRY OF REF DOCUMENT : LU
 COUNTRY OF REF DOCUMENT : MC
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 COUNTRY OF REF DOCUMENT : SE
 COUNTRY OF REF DOCUMENT : SK
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EP1595471 A1	20061108	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20061005
EP1595471 A1	20070801	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20061005
EP1595471 A1	20090610	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20081122
HK1070796 A1	20050630	LSPB	+	published / reissued	
HK1070796 A1	20091231	LSPB	+	published / reissued	
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HK1070796 A3	20050630	LSPB	+	published / reissued	
HK1070796 B	20091231	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1070796 B	20250503	PEXP		Calculated Patent Term Expiry	
JP2005500111 T2	20050106	LSPB	+	published / reissued	
JP2005500111 T2	20050818	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20050817
JP2005500111 T2	20050818	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20050817
JP2005500111 T2	20071031	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20071030
JP2005500111 T2	20080401	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20080331
JP2005500111 T2	20080709	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20080708
MXPA04001678 A1	20050411	LSPB	+	published / reissued	
PL374405 A1	20051017	LSPB	+	published / reissued	
PL374405 A1	20091231	LSWD	-DISC	DECISIONS ON DISCONTINUANCE OF THE PROCEEDINGS (TAKEN AFTER THE PUBLICATION OF THE PARTICULARS OF THE APPLICATIONS)	
US2002071707 AA	20020613	LSPB	+	published / reissued	
US2002071707 AA	20041207	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2002090247 AA	20020711	LSPB	+	published / reissued	
US2004126179 AA	20040701	LSPB	+	published / reissued	
US2004161292 AA	20040819	LSPB	+	published /	

US2005013649 AA	20050120	LSPB	+	reissued published / reissued	
US2005013649 AA	20061103	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COSMETIC CONCEPTS, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:BREIDENBACH, DIANE; REEL/FRAME:018503/0177 EFFECTIVE DATE : 20061027
US2005013649 AA	20061106	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COSMETIC CONCEPTS, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MILLE, LAURENCE; REEL/FRAME:018500/0128 EFFECTIVE DATE : 20061027
US2005013649 AA	20061106	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COSMETIC CONCEPTS, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:BREIDENBACH, DIANE; REEL/FRAME:018503/0262 EFFECTIVE DATE : 20061027
US2008131187 AA	20080605	LSPB	+	published / reissued	
US2008131187 AA	20121022	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2009041528 AA	20090212	LSPB	+	published / reissued	
US2009041528 AA	20091218	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US6488427 BA	20021203	LSGT	+	granted / extensions (spc, cpc, pte)	
US6488427 BA	20021114	LSGT	PAT1	Patented Case	
US6488427 BA	20051130	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COSMETIC CONCEPTS, INC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:BREIDENBACH, DIANE; REEL/FRAME:016824/0792 EFFECTIVE DATE : 20051128
US6488427 BA	20051130	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COSMETIC CONCEPTS, INC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MILLE, LAURENCE; REEL/FRAME:016824/0815 EFFECTIVE DATE : 20051128
US6488427 BA	20060531	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6488427 BA	20100120	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6488427 BA	20140424	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6488427 BA	20141118	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BREIDENBACH, DIANE, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: COSMETIC CONCEPTS, INC.; REEL/FRAME:034385/0803 EFFECTIVE DATE : 20141106
US6488427 BA	20141118	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MILLE, LAURENCE, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: COSMETIC CONCEPTS, INC.; REEL/FRAME:034385/0803 EFFECTIVE DATE : 20141106
US6488427 BA	20160616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : FRAGRANCE SYSTEMS INTERNATIONAL, INC., NEW YORK

					OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: BREIDENBACH, DIANE; MILLE, LAURENCE; REEL/FRA: 038929/0579 EFFECTIVE DATE : 20160611	
US6488427 BA	20200229	PEXP		Calculated Patent Term Expiry		
US6607323 BB	20030819	LSGT	+	granted / extensions (spc, cpc, pte)		
US6607323 BB	20030731	LSGT	PAT1	Patented Case		
US6607323 BB	20051130	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COSMETIC CONCEPTS, INC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: MILLE, LAURENCE; REEL/FRA: 016824/0826 EFFECTIVE DATE : 20051128	
US6607323 BB	20051130	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COSMETIC CONCEPTS, INC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: BREIDENBACH, DIANE; REEL/FRA: 016824/0789 EFFECTIVE DATE : 20051128	
US6607323 BB	20070330	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US6607323 BB	20110111	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8	
US6607323 BB	20141118	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MILLE, LAURENCE, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: COSMETIC CONCEPTS, INC.; REEL/FRA: 034385/0803 EFFECTIVE DATE : 20141106	
US6607323 BB	20141118	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BREIDENBACH, DIANE, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: COSMETIC CONCEPTS, INC.; REEL/FRA: 034385/0803 EFFECTIVE DATE : 20141106	
US6607323 BB	20150113	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12	
US6607323 BB	20160616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : FRAGRANCE SYSTEMS INTERNATIONAL, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: BREIDENBACH, DIANE; MILLE, LAURENCE; REEL/FRA: 038929/0579 EFFECTIVE DATE : 20160611	
US6607323 BB	20210821	PEXP		Calculated Patent Term Expiry		
US6981811 BB	20060103	LSGT	+	granted / extensions (spc, cpc, pte)		
US6981811 BB	20051214	LSGT	PAT1	Patented Case		
US6981811 BB	20090407	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US6981811 BB	20130312	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8	
US6981811 BB	20160616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : FRAGRANCE SYSTEMS INTERNATIONAL, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: BREIDENBACH, DIANE; MILLE, LAURENCE; REEL/FRA: 038929/0579 EFFECTIVE DATE : 20160611	
US6981811 BB	20170607	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12	
US6981811 BB	20230627	PEXP		Calculated Patent Term Expiry		

US7210870 BB	20070501	LSGT	+	granted / extensions (spc, cpc, pte)	
US7210870 BB	20070411	LSGT	PAT1	Patented Case	
US7210870 BB	20101026	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7210870 BB	20140626	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7210870 BB	20160616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : FRAGRANCE SYSTEMS INTERNATIONAL, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BREIDENBACH, DIANE; MILLE, LAURENCE; REEL/FRAME:038929/0579 EFFECTIVE DATE : 20160611
US7210870 BB	20181217	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US7210870 BB	20220801	PEXP		Calculated Patent Term Expiry	
US7377707 BB	20080527	LSGT	+	granted / extensions (spc, cpc, pte)	
US7377707 BB	20080507	LSGT	PAT1	Patented Case	
US7377707 BB	20110617	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7377707 BB	20141118	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BREIDENBACH, DIANE, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: COSMETIC CONCEPTS, INC.; REEL/FRAME:034385/0803 EFFECTIVE DATE : 20141106
US7377707 BB	20141118	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MILLE, LAURENCE, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: COSMETIC CONCEPTS, INC.; REEL/FRAME:034385/0803 EFFECTIVE DATE : 20141106
US7377707 BB	20150820	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7377707 BB	20160616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : FRAGRANCE SYSTEMS INTERNATIONAL, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BREIDENBACH, DIANE; MILLE, LAURENCE; REEL/FRAME:038929/0579 EFFECTIVE DATE : 20160611
US7377707 BB	20240504	PEXP		Calculated Patent Term Expiry (PTA 83 days and a terminal disclaimer has been filed)	
USD508297 S1	20050809	LSGT	+	granted / extensions (spc, cpc, pte)	
USD508297 S1	20050720	LSGT	PAT1	Patented Case	
USD508297 S1	20190809	PEXP		Calculated Patent Term Expiry	
USD558926 S1	20080101	LSGT	+	granted / extensions (spc, cpc, pte)	
USD558926 S1	20071212	LSGT	PAT1	Patented Case	
USD558926 S1	20220101	PEXP		Calculated Patent Term Expiry	
USD558927 S1	20080101	LSGT	+	granted / extensions (spc, cpc, pte)	
USD558927 S1	20071212	LSGT	PAT1	Patented Case	
USD558927 S1	20220101	PEXP		Calculated Patent	

				Term Expiry	
WO03017799 A1	20030306	LSPB	+	published / reissued	
WO03017799 A1	20040216	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003522332 COUNTRY OF REF DOCUMENT : JP
WO03017799 A1	20040219	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2457587 COUNTRY OF REF DOCUMENT : CA
WO03017799 A1	20040220	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 20028162730 COUNTRY OF REF DOCUMENT : CN
WO03017799 A1	20040220	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 374405 COUNTRY OF REF DOCUMENT : PL
WO03017799 A1	20040223	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : PA/A/2004/001678 COUNTRY OF REF DOCUMENT : MX
WO03017799 A1	20040322	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002796388 COUNTRY OF REF DOCUMENT : EP
WO03017799 A1	20040616	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2002796388 COUNTRY OF REF DOCUMENT : EP
WO03017799 A1	20081125	LSNE	-ENPW	STARTED TO ENTER NATIONAL PHASE AND WAS WITHDRAWN OR FAILED FOR OTHER REASONS	TEXT : PEDIDO RETIRADO FACE A IMPOSSIBILIDADE DE ACEITACAO DA ENTRADA NA FASE NACIONAL POR TER SIDO INTEMPESTIVA. O PRAZO PARA ENTRADA NA FASE NACIONAL EXPIRAVA EM 21.04.2003(20 MESES - BR DESIGNADO APENAS), ELEICAO NAO COMPROVADA, E A PRETENZA ENTRADA NA FASE NACIONAL SO OCORREU EM 18.02.2004. REF DOCUMENT NUMBER : PI0212569 COUNTRY OF REF DOCUMENT : BR

Title: TOOTHED HEATED **HAIR STYLING** DEVICE AND METHOD OF MANUFACTURE

Abstract: A **hair styling** apparatus includes a pair of mating surfaces which engage one another and a handle which guides them into engagement at the manual control of a user. **Hair** to be **styled** is placed between the engaged surfaces. A plurality of pins extend from one of the surfaces and engage holes in the other of the surfaces. In another aspect of the invention, one or both surfaces may incorporate a source of dry heat. In yet another aspect of the invention, a source of steam is provided together with a trigger for discharging the steam through holes in at least one of the surfaces as an aid to **hair styling**.

Classifications:

International (IPC 8-9): A45D1/00 A45D1/04 A45D1/06 A45D1/14 A45D1/18 (Advanced/Invention)

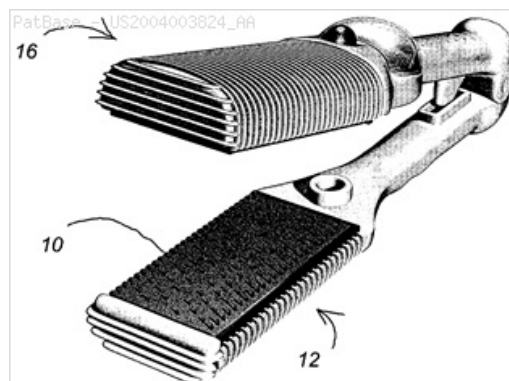
International (IPC 1-7): A45D1/00 A45D1/04

CPC: A45D1/06 A45D1/18 A45D2001/008

European: A45D1/06 A45D1/18 K45D1/00V

US: 132/224 D28/35

Locarno class: 28/03



Family:

Publication number	Publication date	Application number	Application date
AU2003220386 AA	20030929	AU20030220386	20030314
AU2003220386 BB	20080214	AU20030220386	20030314
BRPI0308469 A	20050125	BR2003PI08469	20030314
CA2479160 AA	20040914	CA20032479160	20030314
CA2479160 C	20100831	CA20032479160	20030314
CN100484432 C	20090506	CN200610138290	20030314
CN1315422 C	20070516	CN20038009740	20030314
CN1649523 A	20050803	CN20038009740	20030314
CN1989869 A	20070704	CN200610138290	20030314
CN1989870 A	20070704	CN200610138291	20030314
CN1989870 B	20100526	CN200610138291	20030314
EA008217 B1	20070427	EA20040001215	20030314
EA200401215 A1	20050825	EA20040001215	20030314
EP1487295 A2	20041222	EP20030716687	20030314
IN03187DN2004 A	20070413	IN2004DN03187	20041015
IN233365 B	20090327	IN2004DN03187	20041015
MXPA04008975 A1	20050617	MX2004PA08975	20030314
US2004003824 AA	20040108	US20030390579	20030314
US7341064 BB	20080311	US20030390579	20030314
USD501275 S1	20050125	US20030177850F	20030314
USD516242 S1	20060228	US20050221125F	20050107
WO03077702 A2	20030925	WO2003US08295	20030314
WO03077702 A3	20040122	WO2003US08295	20030314

Priority:

US20020364610 20020315	US20020364610P 20020315	US20020364610P 20020315
US20030177850F 20030314	US20030177850 20030314	US20030390579 20030314
US20030390579F 20030314	WO2003US08295 20030314	US20050221125F 20050107

Probable Assignee: HABIBI MASOOD

Assignee(s): (std): HABIBI MASOOD ; MASOOD HABIBI

Inventor(s): (std): HABIBI MASOOD ; MASOOD HABIBI

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; FASKEN MARTINEAU DUMOULIN LLP; THELEN REID BROWN RAYSMAN AND STEINER LLP; RITCHIE DAVID B; DAVID B; HAL; THELEN REID AND PRIEST LLP

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2003220386 AA	20030929	LSPB	+	published / reissued	
AU2003220386 BB	20080214	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2003220386 BB	20080612	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED	

				(STANDARD PATENT)	
AU2003220386 BB	20151008	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2003220386 BB	20230314	PEXP		Calculated Patent Term Expiry	
BRPI0308469 A	20050125	LSPB	+	published / reissued	
BRPI0308469 A	20121106	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0308469 A	20130226	LSRV	B09B	DECISION: REFUSAL	TEXT : INDEFIRO O PEDIDO DE ACORDO COM O(S) ARTIGO(S) 80, 11, 13 E 25 DA LPI.
BRPI0308469 A	20131008	LSAL	B12B	APPEAL: APPEAL AGAINST REFUSAL	
BRPI0308469 A	20160524	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE A 13A ANUIDADE.
BRPI0308469 A	20160927	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	TEXT : EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2368 DE 24-05-2016 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
CA2479160 AA	20040914	LSPB	+	published / reissued	
CA2479160 AA	20080225	LSES	+EEER	EXAMINATION REQUEST	
CA2479160 AA	20170425	LSLE	-MKLA	LAPSED	EFFECTIVE DATE : 20170314
CA2479160 C	20100831	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2479160 C	20230314	PEXP		Calculated Patent Term Expiry	
CN100484432 C	20090506	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100484432 C	20090506	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN100484432 C	20230314	PEXP		Calculated Patent Term Expiry	
CN1315422 C	20070516	LSGT	+	granted / extensions (spc, cpc, pte)	
CN1315422 C	20070516	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN1315422 C	20230314	PEXP		Calculated Patent Term Expiry	
CN1649523 A	20050803	LSPB	+	published / reissued	
CN1649523 A	20050803	LSPB	+C06	PUBLICATION	
CN1989869 A	20070704	LSPB	+	published / reissued	
CN1989869 A	20070704	LSPB	+C06	PUBLICATION	

CN1989870 A	20070704	LSPB	+	published / reissued	
CN1989870 A	20070704	LSPB	+C06	PUBLICATION	
CN1989870 B	20100526	LSGT	+	granted / extensions (spc, cpc, pte)	
CN1989870 B	20100526	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN1989870 B	20230314	PEXP		Calculated Patent Term Expiry	
EA008217 B1	20070427	LSGT	+	granted / extensions (spc, cpc, pte)	
EA008217 B1	20151230	LSLE	-MM4A	LAPSE OF A EURASIAN PATENT DUE TO NON-PAYMENT OF RENEWAL FEES WITHIN THE TIME LIMIT IN THE FOLLOWING DESIGNATED STATE(S)	COUNTRY OF REF DOCUMENT : RU
EA008217 B1	20230314	PEXP		Calculated Patent Term Expiry	
EA200401215 A1	20050825	LSPB	+	published / reissued	
EP1487295 A2	20041222	LSPB	+	published / reissued	
EP1487295 A2	20041222	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20041015
EP1487295 A2	20141210	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20141110
EP1487295 A2	20151028	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20150521
IN03187DN2004 A	20070413	LSPB	+	published / reissued	
IN233365 B	20090327	LSGT	+	granted / extensions (spc, cpc, pte)	
IN233365 B	20241015	PEXP		Calculated Patent Term Expiry	
MXPA04008975 A1	20050617	LSPB	+	published / reissued	
MXPA04008975 A1	20080818	LSGT	+FG	GRANT OR REGISTRATION	
US2004003824 AA	20040108	LSPB	+	published / reissued	
US7341064 BB	20080311	LSGT	+	granted / extensions (spc, cpc, pte)	
US7341064 BB	20080220	LSGT	PAT1	Patented Case	
US7341064 BB	20120309	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7341064 BB	20160311	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7341064 BB	20160411	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7341064 BB	20160503	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20160311
US7341064 BB	20241219	PEXP		Calculated Patent Term	

				Expiry (PTA 646 days)	
USD501275 S1	20050125	LSGT	+	granted / extensions (spc, cpc, pte)	
USD501275 S1	20050106	LSGT	PAT1	Patented Case	
USD501275 S1	20190125	PEXP		Calculated Patent Term Expiry	
USD516242 S1	20060228	LSGT	+	granted / extensions (spc, cpc, pte)	
USD516242 S1	20200228	PEXP		Calculated Patent Term Expiry	
WO03077702 A2	20030925	LSPB	+	published / reissued	
WO03077702 A3	20040914	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2479160 COUNTRY OF REF DOCUMENT : CA
WO03077702 A3	20040914	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003220386 COUNTRY OF REF DOCUMENT : AU
WO03077702 A3	20040915	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : PA/A/2004/008975 COUNTRY OF REF DOCUMENT : MX
WO03077702 A3	20040917	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003716687 COUNTRY OF REF DOCUMENT : EP
WO03077702 A3	20041015	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200401215 COUNTRY OF REF DOCUMENT : EA
WO03077702 A3	20041015	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 3187/DELNP/2004 COUNTRY OF REF DOCUMENT : IN
WO03077702 A3	20041029	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 20038097400 COUNTRY OF REF DOCUMENT : CN
WO03077702 A3	20041222	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2003716687 COUNTRY OF REF DOCUMENT : EP
WO03077702 A3	20060622	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP
WO03077702 A3	20060622	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : JP

Title: **STYLING** AND CURLING HAIRBRUSH

Abstract: A **styling** and curling hairbrush 1 having an elongated tubular body 6 with an interior hollow volume along the longitudinal extent to forming air channel 7. A hot air stream 17 enters the open end of body 6. Body 6 has air exit openings 9 connecting the air channel 7 with the outer shell surface of the tubular body 6. Several bristle rows B1-B3 are distributed circumferentially on the tubular body. An air stream divider 3 is in front of the bristle rows B1-B3. A hot air stream 17 is divided by the air stream divider into an air stream 18 flowing into the air channel 7 and one flowing along the outer shell surface of the tubular body 6. The bristle rows B1-B3 of the **brush** 1 are spaced apart from one another. Each bristle row B1-B3 is next to an air guidance element L1-L3 closed in the radial direction and forming at least one flow channel 12, 16 and is open toward at least an adjacent bristle row B1, B2, B3.

Classifications:

International (IPC 8-9): A45D2/36 A45D1/00 A45D20/10 A45D20/48 A45D20/50 A45D20/52 A45D6/06 A46B15/00

A46B9/02 (Advanced/Invention);

A45D2/00 (Advanced/Non-invention);

A45D1/00 A45D2/00 A45D20/00 A45D6/00 A46B15/00

A46B9/00 (Core/Invention);

A45D2/00 (Core/Non-invention);

A45D A46B (Subclass/Invention)

International (IPC 1-7): A45D A45D1/00 A45D2/36 A45D20/10

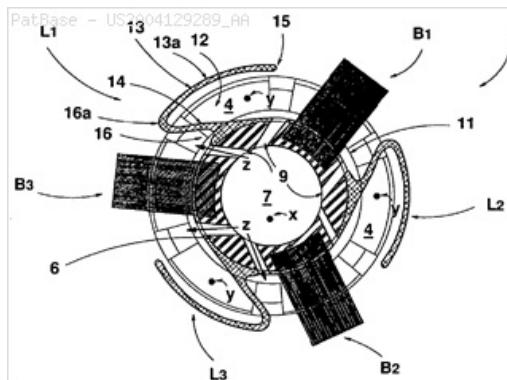
A45D20/48 A45D20/50 A45D20/52 A45D6/06 A46B A46B15/00

A46B9/02

CPC: A45D2/00 A45D20/50

European: A45D20/50 K45D2/00

US: 132/228 132/272 34/96



Family:

Publication number	Publication date	Application number	Application date
AT308258 E	20051115	AT20030021790T	20030926
AU2003255185 AA	20040624	AU20030255185	20031021
AU2003255185 BB	20081204	AU20030255185	20031021
CN2674925 Y	20050202	CN200320124957U	20031203
DE20218783 U1	20040513	DE20022018783U	20021203
DE50301538 D1	20051208	DE20035001538	20030926
DK1425986 T3	20060320	DK20030021790T	20030926
EP1425986 A1	20040609	EP20030021790	20030926
EP1425986 B1	20051102	EP20030021790	20030926
HK1057965 A2	20040408	HK20030108820	20031203
JP2004181241 A2	20040702	JP20030401941	20031201
JP4241349 B2	20090318	JP20030401941	20031201
KR101028179 B1	20110408	KR20030087145	20031203
KR20040050046 A	20040614	KR20030087145	20031203
TW200422007 A	20041101	TW20030128678	20031016
TWI290823 B	20071211	TW20030128678	20031016
US2004129289 AA	20040708	US20030725765	20031202
US7124763 BB	20061024	US20030725765	20031202

Priority:

DE20022018783U 20021203 DE20035001538 20030926

Probable Assignee: WIK FAR EAST LTD

Assignee(s): (std): WEIJIA ELECTRICS CO LTD ; WIK FAR EAST LIMITED ; WIK FAR EAST LTD ; HAFEMANN KLAUS

Assignee(s): WEIJIA ELECTRICS CO ; WIK FAR EAST LTD NORTH POINT

Inventor(s): (std): HAFEMANN KLAUS ; HOFFMAN KLAUS ; KLAUS HOFFMAN ; KLAUS HAFEMANN

Agent(s): PATENT ATTORNEY SERVICES; PATENT LAW OFFICES OF RICK MARTIN PC; MARGARET

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AT308258 E	20051115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT308258 E	20071215	LSLE	-REN	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT308258 E	20230926	PEXP		Calculated Patent Term Expiry	
AU2003255185 AA	20040624	LSPB	+	published / reissued	
AU2003255185 BB	20081204	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2003255185 BB	20090402	LSGT	+FGA	LETTERS PATENT SEALED OR	

				GRANTED (STANDARD PATENT)		
AU2003255185 BB	20140515	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED		
AU2003255185 BB	20231021	PEXP		Calculated Patent Term Expiry		
CN2674925 Y	20050202	LSGT	+	granted / extensions (spc, cpc, pte)		
CN2674925 Y	20050202	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL		
CN2674925 Y	20140205	LSLE	-C17	CESSATION OF PATENT RIGHT		
CN2674925 Y	20131203	PEXP		Calculated Patent Term Expiry		
DE20218783 U1	20040513	LSGT	+	granted / extensions (spc, cpc, pte)		
DE20218783 U1	20040513	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20040513	
DE20218783 U1	20051229	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	EFFECTIVE DATE : 20051027	
DE20218783 U1	20090205	LSGT	+R151	TERM OF PROTECTION EXTENDED TO 8 YEARS	EFFECTIVE DATE : 20081202	
DE20218783 U1	20110210	LSGT	+R152	TERM OF PROTECTION EXTENDED TO 10 YEARS	EFFECTIVE DATE : 20101209	
DE20218783 U1	20121231	LSLE	-R071	EXPIRY OF RIGHT		
DE20218783 U1	20130101	LSLE	-R071	EXPIRY OF RIGHT		
DE20218783 U1	20121203	PEXP		Calculated Patent Term Expiry		
DE50301538 D1	20061123	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION		
DK1425986 T3	20060320	LSGT	+	granted / extensions (spc, cpc, pte)		
DK1425986 T3	20230926	PEXP		Calculated Patent Term Expiry		
EP1425986 A1	20040609	LSPB	+	published / reissued		
EP1425986 A1	20040609	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20040205	
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EP1425986 B1	20051102	LSGT	+	granted / extensions (spc, cpc, pte)		

EP1425986 B1	20051102	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL 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 : 20051102
EP1425986 B1	20051102	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20051102
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EP1425986 B1	20051115	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1425986 B1	20060202	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060202
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EP1425986 B1	20060403	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL 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 : 20060403
EP1425986 B1	20060503	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20060503
EP1425986 B1	20060628	LSWD	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FD4D
EP1425986 B1	20060930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060930
EP1425986 B1	20060930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060930
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EP1425986 B1	20071124	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060926
EP1425986 B1	20071231	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : WIK FAR EAST LTD. EFFECTIVE DATE : 20060930
EP1425986 B1	20080630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20051102
EP1425986 B1	20080731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20051102
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EP1425986 B1	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL 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 : 20051102
EP1425986 B1	20111031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20110926 YEAR OF FEE PAYMENT : 9

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	20130131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20121008 YEAR OF FEE PAYMENT : 10
EP1425986 B1	20130417	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : V1 EFFECTIVE DATE : 20130401
EP1425986 B1	20130529	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20120926
EP1425986 B1	20130603	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : EBP
EP1425986 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120926
EP1425986 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130401
EP1425986 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20121001
EP1425986 B1	20140430	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1425986 B1	20140627	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20140530
EP1425986 B1	20140703	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 50301538 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140401
EP1425986 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130930
EP1425986 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130930
EP1425986 B1	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140401

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EP1425986 B1	20230926	PEXP		Calculated Patent Term Expiry	
HK1057965 A2	20040408	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1057965 A2	20041215	LSFE	+PF	PATENT IN FORCE	
HK1057965 A2	20111209	LSLE	-PEU	SHORT-TERM PATENTS EXPIRED	EFFECTIVE DATE : 20111202
HK1057965 A2	20231203	PEXP		Calculated Patent Term Expiry	
JP2004181241 A2	20040702	LSPB	+	published / reissued	
JP2004181241 A2	20061026	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20061025
JP2004181241 A2	20081106	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2004181241 A2	20081202	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20081202
JP2004181241 A2	20081204	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2004181241 A2	20090108	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20081222
JP2004181241 A2	20090109	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP2004181241 A2	20090109	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP4241349 B2	20090318	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4241349 B2	20120117	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 4
JP4241349 B2	20140109	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP4241349 B2	20231201	PEXP		Calculated Patent Term Expiry	
KR101028179 B1	20110408	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101028179 B1	20140402	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	
KR101028179 B1	20231203	PEXP		Calculated Patent Term Expiry	
KR20040050046 A	20040614	LSPB	+	published / reissued	
KR20040050046 A	20081202	LSSES	A201	REQUEST FOR EXAMINATION	
KR20040050046 A	20110210	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20040050046 A	20110401	LSGT	+GRNT	WRITTEN DECISION TO	

TW200422007 A	20041101	LSPB	+	GRANT published / reissued	
TWI290823 B	20071211	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI290823 B	20140911	LSLE	-MM4A	ANNULMENT OR LAPSE OF PATENT DUE TO NON- PAYMENT OF FEES	
TWI290823 B	20231016	PEXP		Calculated Patent Term Expiry	
US2004129289 AA	20040708	LSPB	+	published / reissued	
US2004129289 AA	20040311	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : WIK FAR EAST LTD., CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HAFEMANN, KLAUS; REEL/FRAME:015077/0500 EFFECTIVE DATE : 20031216
US7124763 BB	20061024	LSGT	+	granted / extensions (spc, cpc, pte)	
US7124763 BB	20100414	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7124763 BB	20141024	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7124763 BB	20141124	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7124763 BB	20141216	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20141024
US7124763 BB	20250228	PEXP		Calculated Patent Term Expiry (PTA 454 days)	

Title: **HAIR** DESIGN SYSTEM AND ITS APPLICATIONS

Abstract: As shown in Fig. 1, a hairstyle design system comprises an image-processing device 1, an input/output device 2, a graphic system 3, a display device 4, a head-development drawing information-storage device 5, and a hairstyle-design information-storage device 6. In other words, the beautician or the customer designs a desired hairstyle while looking at the display device 4. Information on the designed hairstyle is stored in the head-development drawing information-storage device 5 as numerals and/or symbols assigned to each of a plurality of divided sections. When processing **hair**, the beautician displays a head-development drawing on the display device 4, and by referring to the drawing the beautician cuts or applies permanent wave to the **hair** in order to design a hairstyle precisely as desired by the customer and reproduce a predetermined hairstyle accurately.

Classifications:

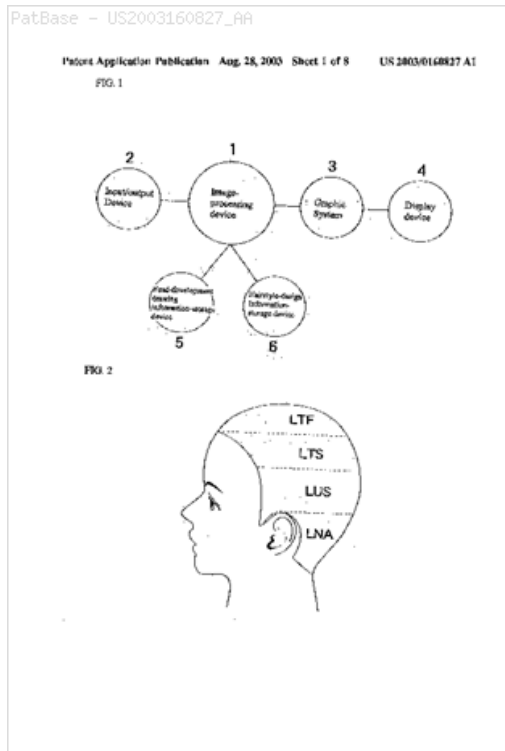
International (ipc 8-9): A45D A45D44/00 G06F G06F17/40 G06F17/50 G06Q G06Q50/00 G06Q50/10 G06T1/00 G06T17/40 G06T3/00 G09B19/10 G09B9/00 (Advanced/Invention); G06F17/50 G06F3/01 G06Q50/00 (Advanced/Non-invention); A45D44/00 G06F17/50 (Core/Invention)

International (ipc 1-7): A45D44/00 G06F17/40 G06F17/50 G06F17/60 G06Q50/00 G06T1/00 G06T3/00 G09B9/00 G09G5/00

CPC: A45D44/005 A45D2007/001 A45D2007/007

European: A45D44/00S K45D7/00B K45D7/00T

US: 345/419 345/634 345/771 345/964 434/377 434/94 434/99 715/771 715/771P



Family:

Publication number	Publication date	Application number	Application date
AT324634 E	20060515	AT20010945751T	20010702
AU2001267897 AA	20020114	AU20010267897	20010702
AU2001267897 BB	20051110	AU20010267897	20010702
AU200167897 A1	20020114	AU20010067897	20010702
AU200167897 A5	20020114	AU20010067897	20010702
BRPI0112125 A	20030909	BR2001PI12125	20010702
CA2414539 AA	20021231	CA20012414539	20010702
CN1188064 C	20050209	CN20018011175	20010702
CN1450871 A	20031022	CN20018011175	20010702
DE60119115 D1	20060601	DE20016019115	20010702
DE60119115 D1	20060601	DE20016019115T	20010702
DE60119115 T2	20060831	DE20016019115T	20010702
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ES2258534 T3	20060901	ES20010945751T	20010702
HK1052621 A1	20060908	HK20030105021	20030711
HK1052621 B	20060908	HK20030105021	20030711
HU0301327 AB	20030828	HU20030001327	20010702
JP2002083011 A2	20020322	JP20000375398	20001211
JP2004220617 A2	20040805	JP20040021184	20040129
JP3542958 B2	20040714	JP20000375398	20001211
JP4651950 B2	20110316	JP20040021184	20040129
KR20030026935 A	20030403	KR20027017238	20010702
MXPA02012710 A1	20030425	MX2002PA12710	20010702
NO20026276 A	20030225	NO20020006276	20021230
NO20026276 A0	20021230	NO20020006276	20021230
NZ523431 A	20030926	NZ20010523431	20010702
PL359392 A1	20040823	PL20010359392	20010702
TW592647 B	20040621	TW20010116207	20010703
US2003160827 AA	20030828	US20030312190	20030226
US6994552 BB	20060207	US20030312190	20030226
WO0201984 A1	20020110	WO2001JP05702	20010702

Priority:

JP20000200542 20000703
JP20040021184 20040129

JP20000375398 20001211

WO2001JP05702 20010702

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Inventor(s): HIRATA ; YAMASHITA

Agent(s): FB RICE; FB RICE PTY LTD; SIM AND MCBURNEY; WONG YAU CHUN; KNOBBE MARTENS OLSON AND BEAR LLP

Designated states: AT AU BE BR CA CH CN CY DE DK ES FI FR GB GR HU ID IE IN IT KR LI LU MC MX NL NO NZ PL PT RO RU SE SG TR US

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT324634 E	20060515	LSGT	+	granted / extensions (spc, cpc, pte)	
AT324634 E	20061015	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT324634 E	20210702	PEXP		Calculated Patent Term Expiry	
AU2001267897 AA	20020114	LSPB	+	published / reissued	
AU2001267897 BB	20051110	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2001267897 BB	20060309	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2001267897 BB	20100128	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2001267897 BB	20210702	PEXP		Calculated Patent Term Expiry	
AU200167897 A1	20020114	LSPB	+	published / reissued	
BRPI0112125 A	20030909	LSPB	+	published / reissued	
BRPI0112125 A	20050412	LSAS	B25G	REQUESTED CHANGE OF HEADQUARTER APPROVED	
BRPI0112125 A	20090324	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE A 6A E 7A ANUIDADES.
BRPI0112125 A	20100406	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	TEXT : REFERENTE AO DESPACHO 8.6 DA RPI 1994 DE 24/03/2009
CA2414539 AA	20021231	LSPB	+	published / reissued	
CA2414539 AA	20040812	LSES	+EEER	EXAMINATION REQUEST	
CA2414539 AA	20090702	LSLE	-FZDE	DEAD	
CN1188064 C	20050209	LSGT	+	granted / extensions (spc, cpc, pte)	
CN1188064 C	20050209	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN1188064 C	20100922	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN1188064 C	20210702	PEXP		Calculated Patent Term Expiry	
CN1450871 A	20031022	LSPB	+	published / reissued	
CN1450871 A	20031022	LSPB	+C06	PUBLICATION	
DE60119115 D1	20070516	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60119115 D1	20070516	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60119115 D1	20100520	LSLE	-8339	CEASED/NON-PAYMENT OF THE	

DE60119115 D1	20100520	LSLE	-8339	ANNUAL FEE CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE60119115 T2	20060831	LSGT	+	granted / extensions (spc, cpc, pte)	
DE60119115 T2	20070516	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60119115 T2	20210702	PEXP		Calculated Patent Term Expiry	
DE60119115 T8	20100520	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
EP1302125 A1	20030416	LSPB	+	published / reissued	
EP1302125 A1	20030416	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20030123
EP1302125 A1	20040512	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : PHILD CO., LTD.
EP1302125 A4	20050202	LSSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20041221
EP1302125 A4	20050202	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7A 45D 44/00 A
EP1302125 A4	20050202	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7G 06F 17/40 B
EP1302125 A4	20050202	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7G 06F 17/60 B
EP1302125 A4	20060419	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : G06Q 50/00 20060101ALI20060227BHEP
EP1302125 A4	20060419	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : G06F 17/40 20060101AFI20060227BHEP
EP1302125 A4	20060419	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A45D 44/00 20060101ALI20060227BHEP
EP1302125 B1	20060426	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1302125 B1	20060426	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL 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 : 20060426
EP1302125 B1	20060426	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060426
EP1302125 B1	20060426	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060426
EP1302125 B1	20060426	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL 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 : 20060426
EP1302125 B1	20060426	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060426
EP1302125 B1	20060426	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1302125 B1	20060531	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1302125 B1	20060726	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060726
EP1302125 B1	20060726	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060726
EP1302125 B1	20060731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060731
EP1302125 B1	20060803	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20060402024 COUNTRY OF REF DOCUMENT : GR
EP1302125 B1	20060901	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2258534 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP1302125 B1	20060908	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1052621 COUNTRY OF REF DOCUMENT : HK
EP1302125 B1	20060926	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060926
EP1302125 B1	20061031	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1302125 B1	20070404	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20070129
EP1302125 B1	20071124	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20070621 YEAR OF FEE PAYMENT : 7
EP1302125 B1	20080731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE :

				NATIONAL OFFICE TO EPO]	LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060702
EP1302125 B1	20081031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20080711 YEAR OF FEE PAYMENT : 8
EP1302125 B1	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060426
EP1302125 B1	20081128	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20080718 YEAR OF FEE PAYMENT : 8
EP1302125 B1	20081128	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20080714 YEAR OF FEE PAYMENT : 8
EP1302125 B1	20081128	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20080703 YEAR OF FEE PAYMENT : 8
EP1302125 B1	20091030	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20090812 YEAR OF FEE PAYMENT : 9
EP1302125 B1	20091130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20090701 YEAR OF FEE PAYMENT : 9
EP1302125 B1	20100401	LSLE	-NLV4	NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20100201
EP1302125 B1	20100423	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20100331
EP1302125 B1	20100430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20090731
EP1302125 B1	20100430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20090720 YEAR OF FEE PAYMENT : 9
EP1302125 B1	20100531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20090702 YEAR OF FEE PAYMENT : 9
EP1302125 B1	20100630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20100202
EP1302125 B1	20100730	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20090702
EP1302125 B1	20110323	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20100702
EP1302125 B1	20110531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-

				EPO]	PAYMENT OF DUE FEES LAPSED DATE : 20100702
EP1302125 B1	20110616	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : ES OWNER : PHITEN CO., LTD REF LEGAL EVENT CODE : PC2A EFFECTIVE DATE : 20110606
EP1302125 B1	20110630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20110202
EP1302125 B1	20110729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20100702
EP1302125 B1	20110818	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20110818
EP1302125 B1	20110930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20100927
EP1302125 B1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20100703
EP1302125 B1	20120928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20100201
EP1302125 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20080702
EP1302125 B1	20160301	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : ML REF DOCUMENT NUMBER : 20060402024 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20110202
EP1302125 B1	20210702	PEXP		Calculated Patent Term Expiry	
ES2258534 T3	20060901	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2258534 T3	20210702	PEXP		Calculated Patent Term Expiry	
HK1052621 A1	20060908	LSPB	+	published / reissued	
HK1052621 A1	20110218	LSLE	-PC	PATENT CEASED (I.E. PATENT HAS LAPSED DUE TO THE FAILURE TO PAY THE RENEWAL FEE)	EFFECTIVE DATE : 20100702
HK1052621 A1	20230711	PEXP		Calculated Patent Term Expiry	
HK1052621 B	20060908	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1052621 B	20230711	PEXP		Calculated Patent Term Expiry	
HU0301327 AB	20030828	LSPB	+	published / reissued	
HU0301327 AB	20070502	LSLE	-FD9A	LAPSE OF PROVISIONAL PROTECTION DUE TO NON-PAYMENT OF FEES	
JP2002083011 A2	20020322	LSPB	+	published / reissued	

JP2002083011 A2	20040130	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20040129
JP2002083011 A2	20040130	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20040129
JP2002083011 A2	20040317	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2002083011 A2	20040323	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20040323
JP2002083011 A2	20040408	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20040402
JP2002083011 A2	20040409	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2004220617 A2	20040805	LSPB	+	published / reissued	
JP2004220617 A2	20071206	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20071205
JP2004220617 A2	20100922	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20100921
JP2004220617 A2	20101112	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20101111
JP2004220617 A2	20101112	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A712 EFFECTIVE DATE : 20101111
JP2004220617 A2	20101201	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2004220617 A2	20101208	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20101207
JP2004220617 A2	20101209	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2004220617 A2	20101224	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20101215
JP2004220617 A2	20101224	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2004220617 A2	20101227	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP3542958 B2	20040714	LSGT	+	granted / extensions (spc, cpc, pte)	
JP3542958 B2	20070417	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP3542958 B2	20080325	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 5
JP3542958 B2	20090414	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 6
JP3542958 B2	20090619	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 6
JP3542958 B2	20090619	LSAS	S111	REQUEST FOR CHANGE OF OWNERSHIP OR PART	TEXT : JAPANESE INTERMEDIATE CODE: R313111

OF OWNERSHIP					
JP3542958 B2	20090709	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 6
JP3542958 B2	20090729	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 6
JP3542958 B2	20090729	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP3542958 B2	20091208	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 7
JP3542958 B2	20120131	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 9
JP3542958 B2	20130212	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 10
JP3542958 B2	20140409	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP3542958 B2	20201211	PEXP		Calculated Patent Term Expiry	
JP4651950 B2	20110316	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4651950 B2	20131224	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP4651950 B2	20240129	PEXP		Calculated Patent Term Expiry	
KR20030026935 A	20030403	LSPB	+	published / reissued	
KR20030026935 A	20060406	LSES	A201	REQUEST FOR EXAMINATION	
KR20030026935 A	20070725	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20030026935 A	20080104	LSRV	-E601	DECISION TO REFUSE APPLICATION	
MXPA02012710 A1	20030425	LSPB	+	published / reissued	
MXPA02012710 A1	20060607	LSGT	+FG	GRANT OR REGISTRATION	
MXPA02012710 A1	20100412	LSAS	GB	TRANSFER OR ASSIGNMENT	
NO20026276 A	20030225	LSPB	+	published / reissued	
NZ523431 A	20030926	LSPB	+	published / reissued	
NZ523431 A	20040130	LSGT	+PSEA	PATENT SEALED	
NZ523431 A	20050729	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	
NZ523431 A	20080731	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	
NZ523431 A	20110729	LSFE	+RENEW	RENEWAL (RENEWAL FEES ACCEPTED)	
NZ523431 A	20150130	LSLE	-LAPS	PATENT LAPSED	
PL359392 A1	20040823	LSPB	+	published / reissued	
PL359392 A1	20090731	LSWD	-DISC	DECISIONS ON DISCONTINUANCE OF THE PROCEEDINGS (TAKEN AFTER THE PUBLICATION OF THE PARTICULARS OF THE APPLICATIONS)	
TW592647 B	20040621	LSGT	+	granted / extensions (spc, cpc, pte)	
TW592647 B	20100411	LSLE	-MM4A	ANNULMENT OR LAPSE OF PATENT DUE TO NON-PAYMENT OF FEES	
TW592647 B	20210703	PEXP		Calculated Patent Term Expiry	

US2003160827 AA	20030828	LSPB	+	published / reissued	
US2003160827 AA	20030224	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PHILD CO., LTD., JAPAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HIRATA, YOSHIHIRO; YAMASHITA, YUKO; REEL/FRAME:013763/0762; SIGNING DATES FROM 20030127 TO 20030129
US6994552 BB	20060207	LSGT	+	granted / extensions (spc, cpc, pte)	
US6994552 BB	20090220	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6994552 BB	20091215	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PHITEN CO., LTD., JAPAN OLDPARTY : MERGER; ASSIGNOR:PHILD CO., LTD.; REEL/FRAME:023649/0775 EFFECTIVE DATE : 20090421
US6994552 BB	20140207	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6994552 BB	20140310	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6994552 BB	20140401	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20140207
US6994552 BB	20240103	PEXP		Calculated Patent Term Expiry (PTA 311 days)	
WO0201984 A1	20020110	LSPB	+	published / reissued	
WO0201984 A1	20021216	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 018111750 COUNTRY OF REF DOCUMENT : CN
WO0201984 A1	20021218	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : PA/A/2002/012710 COUNTRY OF REF DOCUMENT : MX
WO0201984 A1	20021218	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020027017238 COUNTRY OF REF DOCUMENT : KR
WO0201984 A1	20021224	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 523431 COUNTRY OF REF DOCUMENT : NZ
WO0201984 A1	20021227	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002/02748 COUNTRY OF REF DOCUMENT : TR
WO0201984 A1	20021230	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : IN/PCT/2002/2170/CHE COUNTRY OF REF DOCUMENT : IN
WO0201984 A1	20021231	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2414539 COUNTRY OF REF DOCUMENT : CA
WO0201984 A1	20030106	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2003 200300001 COUNTRY OF REF DOCUMENT : RO KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO0201984 A1	20030108	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2001267897 COUNTRY OF REF DOCUMENT : AU
WO0201984 A1	20030123	LSNP	+WWE	WIPO INFORMATION:	REF DOCUMENT NUMBER :

				ENTRY INTO NATIONAL PHASE	2001945751 COUNTRY OF REF DOCUMENT : EP
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WO0201984 A1	20030416	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2001945751 COUNTRY OF REF DOCUMENT : EP
WO0201984 A1	20030926	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 523431 COUNTRY OF REF DOCUMENT : NZ
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WO0201984 A1	20060426	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2001945751 COUNTRY OF REF DOCUMENT : EP

Title: HAND-HELD **HAIR STYLING** DEVICE

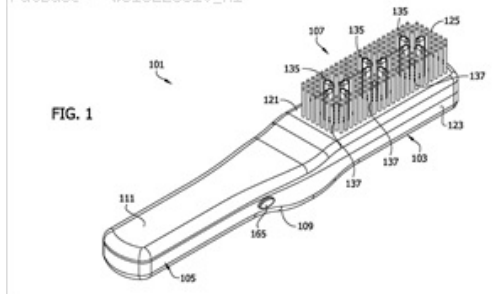
Abstract: A hand-held **hair styling** device (101) has a body (103) having a wider side (121) between narrower sides (123). A plurality of rotatable bases (137) are mounted on the body (103) for rotation relative to the body (103). The rotatable bases (137) each have an exposed surface (149) facing generally away from the body (103). A plurality of **hair styling** elements (135) extending generally away from the body (103) are mounted on the exposed surface (149) of each of rotatable base (137) for rotation relative to the body (103) with the respective rotatable base (137). A handle (105) extends from the body (103) in a direction that is substantially perpendicular to an axis of rotation of at least one of the rotatable bases (137).

Classifications:

International (IPC 8-9): A45D A45D2/00 A45D24/00 A45D24/10 A45D24/14 A45D24/16 A45D6/00 A45D7/00 A46B13/02 A46B15/00 A46B7/04 A46B7/06 A46B7/08 (Advanced/Invention); A45D (Subclass/Invention)

CPC: A45D2/00 A45D6/00 A45D24/10 A45D24/14

PatBase - WO18223310_A1



Family:

Publication number	Publication date	Application number	Application date
AU2017314294 AA	20190103	AU20170314294	20171016
AU2018205086 AA	20190117	AU20180205086	20180315
CA2998930 AA	20180322	CA20172998930	20171016
CA3012222 AA	20180724	CA20183012222	20180315
CN109414099 A	20190301	CN201880000828	20180315
CN109475210 A	20190315	CN201780003351	20171016
CO20180003696 A2	20180710	CO20180003696	20180406
DE202018105072 U1	20190124	DE201820105072U	20180315
EP3429421 A1	20190123	EP20170840547	20171016
EP3429421 A4	20190320	EP20170840547	20171016
EP3439501 A1	20190213	EP20180734740	20180315
HK1238856 A2	20180504	HK20170110792	20171024
IL260549 A0	20190228	IL20170260549	20171016
JP2018202141 A2	20181227	JP20180060141	20180327
SG11201801577V A1	20190130	SG20181101577	20171016
TW201902388 A	20190116	TW20180119638	20180607
TW201902389 A	20190116	TW20170141958	20171130
TWI644635 B	20181221	TW20170141958	20171130
TWM566507 Y	20180911	TW20170217845U	20171130
WO18223310 A1	20181213	WO2017CN087427	20170607
WO18223576 A1	20181213	WO2017CN106352	20171016
WO18223744 A1	20181213	WO2018CN079174	20180315

Priority:

WO2017CN087427 20170607 WO2017CN06352 20171016 WO2017CN106352 20171016
 WO2018CN079174 20180315 JP20180060141 20180327

Probable Assignee: WORLD WIDE DAILY HOLDINGS CO LTD

Assignee(s): (std): WORLD WIDE DAILY HOLDING CO LTD ; WORLD WIDE DAILY HOLDINGS CO LTD ; WORLD WIDE STATIONERY MFG CO LTD

Assignee(s): TO CHUN YUEN ; WORLD WIDE STATIONERY MFG CO

Inventor(s): (std): TO CHUN YUEN

Inventor(s): CHUN YUEN TO

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR; CAROLINA MERCEDES DAZA MONTALVO; FORREST STUART; ZHONGZI IP; SAMEJIMA MUTSUMI; OKABE HIROSHI; INABA KAZUHISA; ZHONGZI LAW OFFICE

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
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CA2998930 AA	20180322	LSPB	+	published / reissued	
CA3012222 AA	20180724	LSPB	+	published / reissued	
CN109414099 A	20190301	LSPB	+	published / reissued	
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CN109475210 A	20190315	LSPB	+	published / reissued	
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DE202018105072 U1	20190124	LSGT	R207	UTILITY MODEL SPECIFICATION	
DE202018105072 U1	20280315	PEXP		Calculated Patent Term Expiry	
EP3429421 A1	20190123	LSPB	+	published / reissued	
EP3429421 A1	20190123	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20180222
EP3429421 A4	20190320	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20190214
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EP3439501 A1	20190313	LSWD	-18W	APPLICATION WITHDRAWN	EFFECTIVE DATE : 20190204
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TW201902388 A	20190116	LSPB	+	published / reissued	
TW201902389 A	20190116	LSPB	+	published / reissued	
TWI644635 B	20181221	LSGT	+	granted / extensions (spc, cpc, pte)	
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WO18223576 A1	20181213	LSPB	+	published / reissued	
WO18223576 A1	20180222	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO	REF DOCUMENT NUMBER : 2017840547

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WO18223576 A1	20180711	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 260549 COUNTRY OF REF DOCUMENT : IL
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WO18223744 A1	20190117	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2018205086 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20180315 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :

Title: **HAIR** STRAIGHTENING AND **STYLING** DEVICE

Abstract: A **brush** for **styling hair** has a handle connected to a head with the head having a longitudinal axis and a number of stationary teeth and a number of movable teeth. The stationary teeth and the movable teeth both are arranged in a number of rows. The stationary teeth and the movable teeth are aligned with one another in a first position. The movable teeth traverse an amount in a direction substantially parallel to the longitudinal axis to a second position. The movable teeth in the second position are misaligned relative to the stationary teeth. The stationary teeth and the movable teeth tension **hair** disposed therethrough.

Classifications:

International (IPC 8-9): A45D A45D2/00 A45D24/06

A45D7/02 (Advanced/Invention);

A45D2/44 (Advanced/Non-invention);

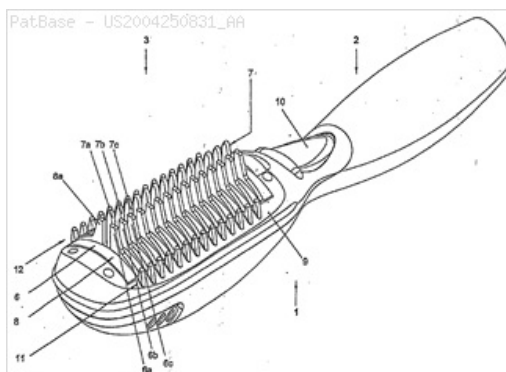
A45D2/00 A45D24/00 A45D7/00 (Core/Invention)

International (IPC 1-7): A45D2/00 A45D2/44 A45D20/08 A45D24/04 A45D7/02

CPC: A45D2/002 A45D2/44

European: A45D2/00S1 K45D2/44

US: 132/129 132/137 132/142 132/271



Family:

Publication number	Publication date	Application number	Application date
AT324813 E	20060615	AT20010971531T	20010925
AU2001291529 AA	20030407	AU20010291529	20010925
CN1545389 A	20041110	CN20018023627	20010925
DE60119394 D1	20060608	DE20016019394	20010925
DE60119394 D1	20060608	DE20016019394T	20010925
DE60119394 T2	20070614	DE20016019394T	20010925
EP1429638 A1	20040623	EP20010971531	20010925
EP1429638 B1	20060503	EP20010971531	20010925
ES2263656 T3	20061216	ES20010971531T	20010925
HK1068525 A1	20050429	HK20050100803	20050131
HK1068525 A3	20050429	HK20050100803	20050131
NZ531659 A	20060929	NZ20010531659	20010925
PT1429638 T	20060929	PT20010971531T	20010925
US2004250831 AA	20041216	US20040490619	20040803
US7490615 BB	20090217	US20040490619	20040803
WO03026457 A1	20030403	WO2001BE00167	20010925

Priority:

NZ20010531659 20010925 US20010490619 20010925 WO2001BE00167 20010925

Probable Assignee: CONAIR CORP

Assignee(s): (std): CONAIR ; FACO S ; FACO SA ; RIZZUTO LEANDRO

Assignee(s): FACO S A ; CONAIR CORP

Inventor(s): (std): RIZZUTO LEANDRO ; LEANDRO RIZZUTO

Agent(s): HALFORDS IP; 302 308 25 2504; CRUZ LAWRENCE; LAWRENCE

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 PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
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CN1545389 A	20041110	LSPB	+C06	PUBLICATION	
CN1545389 A	20061227	LSDW	-C20	PATENT RIGHT	

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DE60119394 T2	20210925	PEXP		Calculated Patent Term Expiry	
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EP1429638 B1	20120831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120403
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EP1429638 B1	20161230	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20160831 YEAR OF FEE PAYMENT : 16
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				OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	YEAR OF FEE PAYMENT : 16
EP1429638 B1	20170822	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 17
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EP1429638 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170822 YEAR OF FEE PAYMENT : 17
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EP1429638 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180928 YEAR OF FEE PAYMENT : 18
EP1429638 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20180928 YEAR OF FEE PAYMENT : 18
EP1429638 B1	20210925	PEXP		Calculated Patent Term Expiry	

ES2263656 T3	20061216	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2263656 T3	20210925	PEXP		Calculated Patent Term Expiry	
HK1068525 A1	20050429	LSPB	+	published / reissued	
HK1068525 A3	20050429	LSPB	+	published / reissued	
NZ531659 A	20060929	LSPB	+	published / reissued	
NZ531659 A	20070126	LSGT	+PSEA	PATENT SEALED	
PT1429638 T	20060929	LSGT	+	granted / extensions (spc, cpc, pte)	
PT1429638 T	20210925	PEXP		Calculated Patent Term Expiry	
US2004250831 AA	20041216	LSPB	+	published / reissued	
US2004250831 AA	20040803	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONAIR CORPORATION, CONNECTICUT OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RIZZUTO, LEANDRO; REEL/FRA:015713/0951 EFFECTIVE DATE : 20040603
US7490615 BB	20090217	LSGT	+	granted / extensions (spc, cpc, pte)	
US7490615 BB	20090128	LSGT	PAT1	Patented Case	
US7490615 BB	20120706	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7490615 BB	20160801	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7490615 BB	20240803	PEXP		Calculated Patent Term Expiry	
WO03026457 A1	20030403	LSPB	+	published / reissued	
WO03026457 A1	20040219	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2001971531 COUNTRY OF REF DOCUMENT : EP
WO03026457 A1	20040301	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2001291529 COUNTRY OF REF DOCUMENT : AU
WO03026457 A1	20040310	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 531659 COUNTRY OF REF DOCUMENT : NZ
WO03026457 A1	20040312	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 20018236278 COUNTRY OF REF DOCUMENT : CN
WO03026457 A1	20040623	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2001971531 COUNTRY OF REF DOCUMENT : EP
WO03026457 A1	20040803	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10490619 COUNTRY OF REF DOCUMENT : US
WO03026457 A1	20050913	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP
WO03026457 A1	20060503	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2001971531 COUNTRY OF REF DOCUMENT : EP

Title: **HAIR** CARE ATTACHMENTS AND DEVICES

Abstract: A **hair** care device including a main housing (3) and **hair** engagement means (2), the main housing (3) includes a hollow compartment interconnecting an upstream end (4) and a downstream end (5), the upstream end (4) includes means for connecting to the outlet nozzle of an air-blowing device (98), the **hair** engagement means (2) include a plurality of elongated teeth (12) which are thermally conductive and which generally extend along the direction of air blowing from said downstream end (5) when the upstream end (4) of the device is connected to the air-blowing device (98) with the air-blowing device in its normal operating conditions.

Classifications:

International (IPC 8-9): A45D2/00 A45D20/08 A45D20/12

A45D20/50 (Advanced/Invention);

A45D20/50 (Advanced/Non-invention);

A45D2/00 A45D20/00 (Core/Invention)

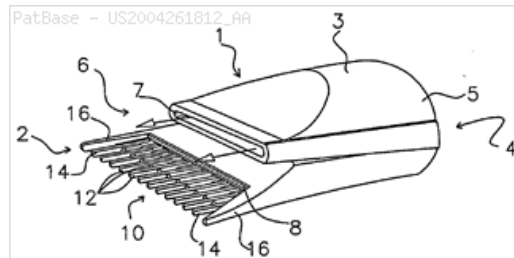
International (IPC 1-7): A45D2/00 A45D20/08 A45D20/12

A45D20/50

CPC: A45D2/002 A45D20/12 A45D20/50

European: A45D2/00S1 A45D20/12 K45D20/50

US: 132/271



Family:

Publication number	Publication date	Application number	Application date
AT324058 E	20060515	AT20020800689T	20021008
AU2001008154 A0	20011101	AU2001PR08154	20011008
AU2002362716 AA	20030422	AU20020362716	20021008
AU815401 A0	20011101	AU2001PR08154	20011008
CN2742829 Y	20051130	CN20029000008U	20021008
DE60211015 D1	20060601	DE20026011015	20021008
DE60211015 D1	20060601	DE20026011015T	20021008
DE60211015 T2	20070111	DE20026011015T	20021008
EP1450641 A1	20040901	EP20020800689	20021008
EP1450641 B1	20060426	EP20020800689	20021008
US2004261812 AA	20041230	US20040491915	20040408
US7152610 BB	20061226	US20020491915	20021008
WO03030675 A1	20030417	WO2002IB04133	20021008
WO03030675 C1	20051215	WO2002IB04133	20021008

Priority:

AU2001PR08154 20011008 WO2002IB04133 20021008

Probable Assignee: DICKSON INDUSTRIAL CO LTD

Assignee(s): (std): CHIDA INDUSTRY CO LTD ; CSAVAS EMMERICH ANTHONY ; DAVIES PAUL R ; OWLING PTY LTD ; DICKSON INDUSTRIAL CO LTD

Assignee(s): DICKSON INDUSTRIAL CO LTD SAN PO KONG ; DICKSON INDUSTRIAL CO ; CHIDA INDUSTRY CO

Inventor(s): (std): SHAFANS I D ; CSAVAS EMMERICH ANTHONY

Inventor(s): I D SHAFANS

Agent(s): FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; BUCHANAN INGERSOLL AND ROONEY PC

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

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AT324058 E	20060515	LSGT	+	granted / extensions (spc, cpc, pte)	
AT324058 E	20061015	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT324058 E	20221008	PEXP		Calculated Patent Term Expiry	
AU2002362716 AA	20030422	LSPB	+	published / reissued	
CN2742829 Y	20051130	LSGT	+	granted / extensions (spc, cpc, pte)	
CN2742829 Y	20051130	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN2742829 Y	20110202	LSLE	-C17	CESSATION OF PATENT RIGHT	
CN2742829 Y	20121008	PEXP		Calculated Patent Term Expiry	
DE60211015 D1	20061012	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS	PARTYTYPE : OWNER OWNER : DICKSON

				OF THE PATENT OWNER	INDUSTRIAL CO. LTD., SAN PO KONG, KOWLOON,
DE60211015 D1	20061012	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : DICKSON INDUSTRIAL CO. LTD., SAN PO KONG, KOWLOON,
DE60211015 D1	20061012	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : DICKSON INDUSTRIAL CO. LTD., SAN PO KONG, KOWLOON,
DE60211015 D1	20061012	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : DICKSON INDUSTRIAL CO. LTD., SAN PO KONG, KOWLOON,
DE60211015 D1	20070516	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
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DE60211015 T2	20070111	LSGT	+	granted / extensions (spc, cpc, pte)	
DE60211015 T2	20070516	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
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DE60211015 T2	20221008	PEXP		Calculated Patent Term Expiry	
EP1450641 A1	20040901	LSPB	+	published / reissued	
EP1450641 A1	20040901	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20040428
EP1450641 A1	20041027	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20040914
EP1450641 A1	20060426	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060426
EP1450641 A1	20060426	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060426
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EP1450641 A1	20060426	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060426
EP1450641 A1	20060426	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

LAPSED DATE : 20060426					
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EP1450641 A1	20060426	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1450641 A1	20060531	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1450641 A1	20060719	LSAS	RAP2	RIGHTS OF A PATENT TRANSFERRED	PARTY TYPE : OWNER OWNER : DICKSON INDUSTRIAL CO. LTD.
EP1450641 A1	20060726	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060726
EP1450641 A1	20060726	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060726
EP1450641 A1	20060806	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES 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 : 20060806
EP1450641 A1	20060926	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060926
EP1450641 A1	20061009	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	COUNTRY OF REF DOCUMENT : IE

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EP1450641 A1	20061031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20061031
EP1450641 A1	20061031	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
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EP1450641 A1	20070404	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20070129
EP1450641 A1	20080131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20071115 YEAR OF FEE PAYMENT : 6
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EP1450641 A1	20080731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20061008
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EP1450641 A1	20081128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20060426

EP1450641 A1	20090624	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20081008
EP1450641 A1	20090724	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20090630
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EP1450641 A1	20091130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20081008
EP1450641 B1	20060426	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1450641 B1	20221008	PEXP		Calculated Patent Term Expiry	
US2004261812 AA	20041230	LSPB	+	published / reissued	
US2004261812 AA	20040913	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DICKSON INDUSTRIAL CO., LTD., CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CSAVAS, EMMERICH ANTHONY; REEL/FRAME:015781/0153 EFFECTIVE DATE : 20040629
US7152610 BB	20061226	LSGT	+	granted / extensions (spc, cpc, pte)	
US7152610 BB	20101226	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US7152610 BB	20110124	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US7152610 BB	20230426	PEXP		Calculated Patent Term Expiry (PTA 200 days)	
WO03030675 A1	20030417	LSPB	+	published / reissued	
WO03030675 A1	20021008	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 02900008.4 COUNTRY OF REF DOCUMENT : CN
WO03030675 A1	20040408	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10491915 COUNTRY OF REF DOCUMENT : US
WO03030675 A1	20040408	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002362716 COUNTRY OF REF DOCUMENT : AU
WO03030675 A1	20040428	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002800689 COUNTRY OF REF DOCUMENT : EP
WO03030675 A1	20040901	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2002800689 COUNTRY OF REF DOCUMENT : EP
WO03030675 C1	20051215	LSRE	CR1	CORRECTION OF ENTRY IN SECTION I	TEXT : IN PCT GAZETTE 16/2003 REPLACE "(71, 72) CSAVAS, EMMERICH, ANTHONY [AU/AU]" BY "(72, 75) CSAVAS, EMMERICH, ANTHONY [AU/AU]" REPLACER (71, 72)

WO03030675 C1	20051215	LSRE	CR1	CORRECTION OF ENTRY IN SECTION I	CSAVAS, EMMERICH, ANTHONY [AU/AU]" TEXT : IN PCT GAZETTE 16/2003 REPLACE "(71, 72) CSAVAS, EMMERICH, ANTHONY çAU/AU!" BY "(72, 75) CSAVAS, EMMERICH, ANTHONY çAU/AU!" REPLACER (71, 72) CSAVAS, EMMERICH, ANTHONY çAU/AU!"
WO03030675 C1	20060426	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2002800689 COUNTRY OF REF DOCUMENT : EP
WO03030675 C1	20060522	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP
WO03030675 C1	20060522	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : JP

Title: **HAIR** TREATMENT APPLICATOR

Abstract: A **hair** treatment applicator for applying a **hair** treatment product composition to **hair** of a user by passing the applicator through the **hair** in a predetermined direction, the applicator comprising a handle; and a head comprising a body and a retaining structure, the head being connected to said handle, said body having a base and the retaining structure comprising a pair of opposed blades extending downwardly from the base and proximate the edge of the base, the pair of opposed blades being disposed coincident with the direction of use, said opposed blades defining a retaining volume adapted to receive the **hair** treatment product composition.

Classifications:

International (IPC 8-9): A45D A45D19/02

A45D24/04 (Advanced/Invention);

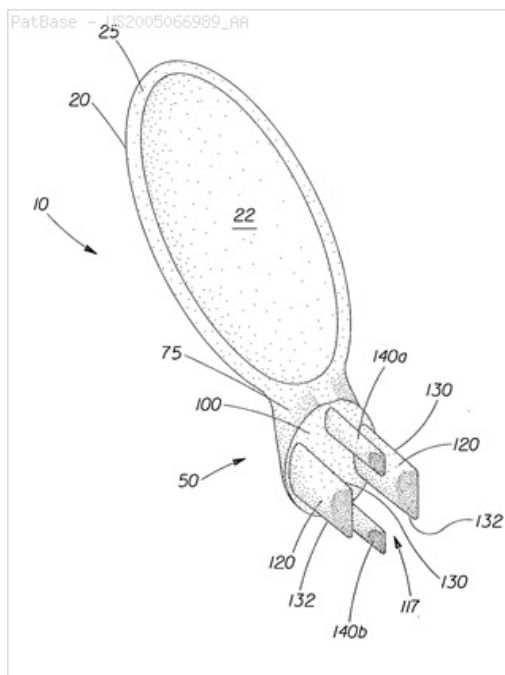
A45D19/00 (Advanced/Non-invention)

International (IPC 1-7): A45D19/02 A45D24/04 A61K7/13

CPC: A45D19/02 A45D2019/0091

European: A45D19/02 K45D19/00T6S

US: 132/126 132/142



Family:

Publication number	Publication date	Application number	Application date
AU2004275886 AA	20050407	AU20040275886	20040925
AU2004275886 BB	20080508	AU20040275886	20040925
BRPI0414769 A	20061121	BR2004PI14769	20040925
CA2537516 AA	20060302	CA20042537516	20040925
CA2537516 C	20100914	CA20042537516	20040925
CN100475079 C	20090408	CN200480026434	20040925
CN1852670 A	20061025	CN200480026434	20040925
EP1670333 A1	20060621	EP20040785262	20040925
HK1095713 A1	20070518	HK20070102829	20070315
HK1095713 A3	20070518	HK20070102829	20070315
JP2007503270 T2	20070222	JP20060524968T	20040925
JP4304208 B2	20090729	JP20060524968T	20040925
MXPA06002325 A1	20060522	MX2006PA02325	20040925
TH73165 A	20051201	TH20041003696	20040923
US2005066989 AA	20050331	US20040949832	20040924
US7475688 BB	20090113	US20040949832	20040924
WO05029999 A1	20050407	WO2004US31987	20040925

Priority:

US20030505897P 20030925

US20040949832 20040924

WO2004US31987 20040925

Probable Assignee: NOXELL CORP

Assignee(s): (std): BRANGI ANNE MARIE ; COLACIOPPO KEITH ; PROCTER AND GAMBLE ; THE PROCTER AND GAMBLE COMPANY

Assignee(s): PROCTER AND GAMBLE CO ; GALLERIA CO ; JPMORGAN CHASE BANK NA ; NOXELL CORP

Inventor(s): (std): ANNE MARIE BRANGI ; BRANGI ANNE MARIE ; COLACIOPPO KEITH ; KEITH COLACIOPPO ; MARIE COLACIOPPO KEITH BRANGI ; MARIE BRANGI ANNE

Inventor(s): COLACIOPPO KEITH BRANGI ANNE MARIE ; BRANGI ANNE

Agent(s): PHILLIPS ORMONDE FITZPATRICK; MBM INTELLECTUAL PROPERTY LAW LLP; LLOYD WISE AND CO; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; KRASOVEC MELISSA; DRESSMAN MARIANNE; ROSNELL TARA M

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2004275886 AA	20050407	LSPB	+	published / reissued	
AU2004275886 BB	20080508	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2004275886 BB	20080904	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2004275886 BB	20170525	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : NOXELL CORPORATION OLDPARTY : FORMER OWNER(S): THE PROCTER & GAMBLE COMPANY
AU2004275886 BB	20180419	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2004275886 BB	20240925	PEXP		Calculated Patent Term Expiry	
BRPI0414769 A	20061121	LSPB	+	published / reissued	
BRPI0414769 A	20140422	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE A 6A ANUIDADE.
BRPI0414769 A	20140527	LSFE	B08H	APPLICATION FEES: DECISION CANCELLED	TEXT : REFERENTE AO DESPACHO PUBLICADO NA RPI 2259 DE 22/04/2014.
BRPI0414769 A	20151208	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE AS ANUIDADES EM DEBITO.
BRPI0414769 A	20170530	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	
CA2537516 AA	20060302	LSPB	+	published / reissued	
CA2537516 AA	20060302	LSES	+EEER	EXAMINATION REQUEST	
CA2537516 C	20100914	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2537516 C	20181106	LSLE	-MKLA	LAPSED	EFFECTIVE DATE : 20180925
CA2537516 C	20240925	PEXP		Calculated Patent Term Expiry	
CN100475079 C	20090408	LSGT	+	granted / extensions (spc, cpc, pte)	
CN100475079 C	20090408	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN100475079 C	20130419	LSWD	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : WD REF DOCUMENT NUMBER : 1095713 COUNTRY OF REF DOCUMENT : HK
CN100475079 C	20240925	PEXP		Calculated Patent Term Expiry	
CN1852670 A	20061025	LSPB	+	published / reissued	
CN1852670 A	20061025	LSPB	+C06	PUBLICATION	
EP1670333 A1	20060621	LSPB	+	published / reissued	

EP1670333 A1	20060621	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20060217
EP1670333 A1	20060830	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20060801
EP1670333 A1	20100804	LSRV	-18R	APPLICATION REFUSED	EFFECTIVE DATE : 20100325
HK1095713 A1	20070518	LSPB	+	published / reissued	
HK1095713 A3	20070518	LSPB	+	published / reissued	
JP2007503270 T2	20070222	LSPB	+	published / reissued	
JP2007503270 T2	20080827	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20080826
JP2007503270 T2	20081127	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20081126
JP2007503270 T2	20090107	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20090106
JP2007503270 T2	20090404	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20090403
JP2007503270 T2	20090416	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2007503270 T2	20090422	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20090421
JP2007503270 T2	20090423	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2007503270 T2	20090430	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20090427
JP2007503270 T2	20090501	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP2007503270 T2	20090501	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP4304208 B2	20090729	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4304208 B2	20090428	LSFE	R100	特許料納付書 Patent fee payment form	
JP4304208 B2	20120510	LSFE	R20	特許料納付書 Patent fee payment form	
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JP4304208 B2	20130514	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250

JP4304208 B2	20140501	LSFE	R20	特許料納付書 Patent fee payment form	
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JP4304208 B2	20150430	LSFE	R20	特許料納付書 Patent fee payment form	
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JP4304208 B2	20160428	LSFE	R20	特許料納付書 Patent fee payment form	
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JP4304208 B2	20170810	LSFE	R20	特許料納付書 Patent fee payment form	
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JP4304208 B2	20180524	LSFE	R20	特許料納付書 Patent fee payment form	
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JP4304208 B2	20240925	PEXP		Calculated Patent Term Expiry	
MXPA06002325 A1	20060522	LSPB	+	published / reissued	
MXPA06002325 A1	20090911	LSGT	+FG	GRANT OR REGISTRATION	
TH73165 A	20051201	LSPB	+	published / reissued	
US2005066989 AA	20050331	LSPB	+	published / reissued	
US7475688 BB	20090113	LSGT	+	granted / extensions (spc, cpc, pte)	
US7475688 BB	20040924	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THE PROCTER & GAMBLE COMPANY, OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:COLACIOPPO, KEITH; BRANGI, ANNE MARIE; REEL/FRAME:015839/0550 EFFECTIVE DATE : 20040106
US7475688 BB	20081222	LSGT	PAT1	Patented Case	
US7475688 BB	20120625	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7475688 BB	20160627	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7475688 BB	20161004	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : JPMORGAN CHASE BANK, N.A., DELAWARE OLDPARTY : IP SECURITY AGREEMENT; ASSIGNOR:NOXELL CORPORATION; REEL/FRAME:040224/0630 EFFECTIVE DATE : 20160929
US7475688 BB	20161020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NOXELL CORPORATION, MARYLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GALLERIA CO.; REEL/FRAME:040436/0438 EFFECTIVE DATE : 20160923
US7475688 BB	20161020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GALLERIA CO., OHIO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:PROCTER AND GAMBLE COMPANY; REEL/FRAME:040437/0133

					EFFECTIVE DATE : 20160926
US7475688 BB	20161215	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GALLERIA CO., OHIO OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE THE NAME OF ASSIGNOR PREVIOUSLY RECORDED ON REEL 040437 FRAME 0133. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT; ASSIGNOR:THE PROCTER AND GAMBLE COMPANY; REEL/FRA:040941/0637 EFFECTIVE DATE : 20160926
US7475688 BB	20170629	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : JPMORGAN CHASE BANK N.A., DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:NOXELL CORPORATION; REEL/FRA:043340/0685 EFFECTIVE DATE : 20161001
US7475688 BB	20180416	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NOXELL CORPORATION, MARYLAND OLDPARTY : RELEASE BY SECURED PARTY; ASSIGNOR:JPMORGAN CHASE BANK, N.A.; REEL/FRA:045950/0161 EFFECTIVE DATE : 20180405
US7475688 BB	20251117	PEXP		Calculated Patent Term Expiry (PTA 419 days)	
WO05029999 A1	20050407	LSPB	+	published / reissued	
WO05029999 A1	20040925	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200480026434.3 COUNTRY OF REF DOCUMENT : CN
WO05029999 A1	20060217	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2004785262 COUNTRY OF REF DOCUMENT : EP
WO05029999 A1	20060223	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2006524968 COUNTRY OF REF DOCUMENT : JP
WO05029999 A1	20060228	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : PA/A/2006/002325 COUNTRY OF REF DOCUMENT : MX
WO05029999 A1	20060302	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2537516 COUNTRY OF REF DOCUMENT : CA
WO05029999 A1	20060323	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2004275886 COUNTRY OF REF DOCUMENT : AU
WO05029999 A1	20060413	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2004275886 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20040925 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO05029999 A1	20060413	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2004275886 COUNTRY OF REF DOCUMENT : AU
WO05029999 A1	20060621	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2004785262 COUNTRY OF REF DOCUMENT : EP
WO05029999 A1	20061121	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0414769 COUNTRY OF REF DOCUMENT : BR

Title: ELECTRIC HAIR-CARE BRUSH

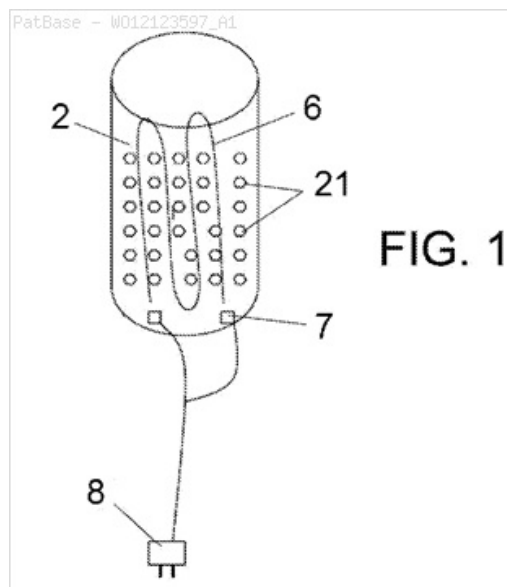
Abstract: Electric hair-care brush which comprises a handle (1) and a tubular body (2) having holes (21) through which fibres (41) helically fixed to a supporting core (4) emerge to the outside, characterized in that said brush comprises a heating element (6) which is printed on the inner or outer surface of the tubular body (2) and is integrally produced from a ceramic material, wherein said heating element is supplied with power via pins (7) which allow connection to the power supply means.

Classifications:

International (IPC 8-9): A45D20/48 A46B3/18 A46B7/00 A46B9/00 (Advanced/Invention)

CPC: A45D1/18 A45D1/04 A46B3/18 A46B15/003 A46B2200/104 A46B9/00 A45D20/48 A46B7/00

European: A45D1/04 A45D1/18 A46B15/00B3G K46B200/10E K46B3/18



Family:

Publication number	Publication date	Application number	Application date
ES2363241 AA	20110727	ES20110030357	20110315
ES2363241 BA	20120508	ES20110030357	20110315
WO12123597 A1	20120920	WO2011ES70263	20110415

Priority:

ES20110030357 20110315

Probable Assignee: DOLS PELUQUERIA IND

Assignee(s): (std); BERNAT I BERNAT JOSE MARIA ; DOLS PELUQUERIA IND ; MARQUEZ DEL AGUILA JUAN CARLOS ; MILLA JIMENEZ JORGE

Assignee(s): DOLS INDUSTRIAL DE PELUQUERIA S A ; DOLS INDUSTRIAL DE PELUQUERIA SA

Inventor(s): (std); MARQUEZ DEL AGUILA JUAN CARLOS ; MILLA JIMENEZ JORGE ; MARQUEZ DE AGUILA JUAN CARLOS ; BERNAT I BERNAT JOSE MARIA

Inventor(s): JORGE MILLA JIMENEZ ; JOSE MARIA BERNAT I BERNAT ; JUAN CARLOS MARQUEZ DE AGUILA

Agent(s): VAZQUEZ CONCEPCION; VAZQUEZ FERNANDEZ VILLA CONCEPCION

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
ES2363241 AA	20110727	LSPB	+	published / reissued	
ES2363241 BA	20120508	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2363241 BA	20120508	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 2363241 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : B1 DESIGNATED STATE(S) : EFFECTIVE DATE : 20120508
ES2363241 BA	20180924	LSLE	-FD2A	ANNOUNCEMENT OF LAPSE IN SPAIN	EFFECTIVE DATE : 20180924
ES2363241 BA	20310315	PEXP		Calculated Patent Term Expiry	
WO12123597 A1	20120920	LSPB	+	published / reissued	

WO12123597 A1	20130916	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO12123597 A1	20140409	LSNE	-122	EP: PCT APPLICATION NON- ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 11861038 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: Hairdressers' setting stand

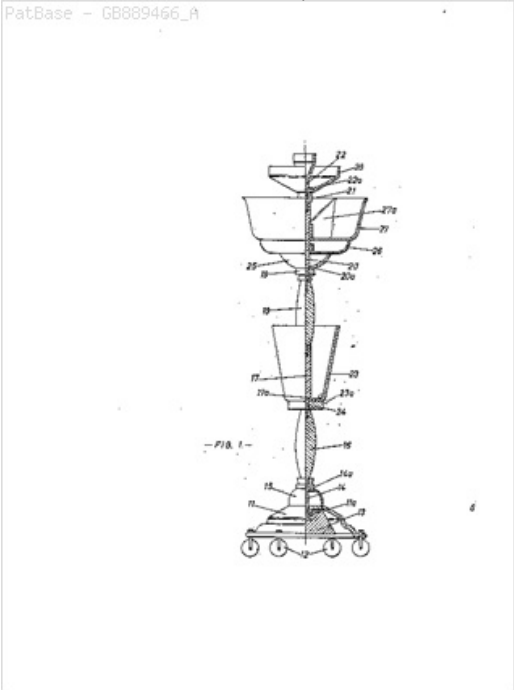
Abstract: 889,466. Drying g **hair**. SZWAJNOCH, W. June 1, 1960 [Feb. 9, 1960], No. 4497/60. Class 81 (2). [Also in Group XIV] A hairdresser's stand (see Group XIV) has a hollow column 52 with a base cover 55, sterilizing unit 58 and bowls 63, 64 slidably supported thereon and the base unit houses an air compressor 65 which delivers air via heater 66 to column 52 and thence to a nozzle or to a **brush** 74 to escape between the bristles 74d. An air conditioning unit comprising a liquid container 68, a blower 69 and atomizer 70 can supply any desired vaporizing solution to the air available to compressor 65.

Classifications:

International (IPC 8-9): A45D20/52 A45D44/02 (Advanced/Invention); A45D20/00 A45D44/00 (Core/Invention)

CPC: A45D20/52 A45D44/02

European: A45D20/52 A45D44/02



Family:

Publication number	Publication date	Application number	Application date
GB889466 A	19620214	GB19600004497	19600209

Priority:

GB19600004497 19600209

Probable Assignee: WILHELM SZWAJNOCH

Assignee(s): (std): WILHELM SZWAJNOCH

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
GB889466 A	19620214	LSGT	+	granted / extensions (spc, cpc, pte)	
GB889466 A	19800209	PEXP		Calculated Patent Term Expiry	

Title: MICRO VEIN ENHANCER

Abstract: The present invention is a Miniature Vein Enhancer that includes a Miniature Projection Head. The Miniature Projection Head may be operated in one of three modes, AFM, DBM, and RTM. The Miniature Projection Head of the present invention projects an image of the veins of a patient, which aids the practitioner in pinpointing a vein for an intravenous drip, blood test, and the like. The Miniature projection head may have a cavity for a power source or it may have a power source located in a body portion of the Miniature Vein Enhancer. The Miniature Vein Enhancer may be attached to one of several improved needle protectors, or the Miniature Vein Enhancer may be attached to a body similar to a flashlight for hand held use. The Miniature Vein Enhancer of the present invention may also be attached to a magnifying glass, a flat panel display, and the like.

Classifications:

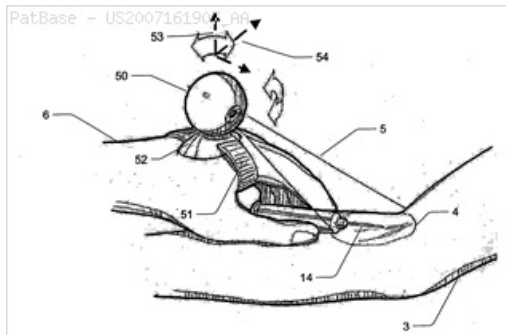
International (IPC 8-9): A61B1/07 A61B17/34 A61B18/20 A61B5/00 A61B5/02 A61B5/024 A61B5/05 A61B5/107 A61B5/117 A61B5/1171 A61B5/1172 A61B5/15 A61B5/153 A61B6/00 A61B6/08 A61B90/98 A61M5/168 A61M5/42 A61M5/46 A61N5/06 E05C1/12 E05C3/00 E05C3/02 G02B26/08 G06F1/28 G06T5/00 H01S3/00 H04N5/225 H04N5/33 H04N7/18 H04N9/31 (Advanced/Invention); A61B19/00 A61B5/024 A61B5/15 A61B90/00 A61M5/168

A61M5/42 (Advanced/Non-invention); A61B5/00 A61B5/05 A61B5/107 A61B6/00 A61M5/42 A61N5/06 E05C3/00 H04N5/225 (Core/Invention); A61B5/15 A61M5/168 (Core/Non-invention)

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European: A61B5/00P A61B5/00P1 A61B5/00P12D A61B5/00P1A A61B5/00P9 A61B5/48Y2 A61B5/68F A61M5/42D E05B1/00D E05B41/00 E05B63/20 G06F11/30A6 G06F11/30E1 H04N5/33 H04N9/31R9P K61B17/34D1 K61B19/44H K61B19/52L4 K61B5/00P1A K61B5/024 K61B5/02D K61B5/153 K61B5/44B K61B560/04B6 K61B560/04D K61B560/04J K61M5/42D P05B63/20B P05B65/08F

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRPI0621174 A2	20151124	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE AS 8A E 9A ANUIDADES.
BRPI0621174 A2	20160329	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	TEXT : EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2342 DE 24-11-2015 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.

CA2635851 AA	20080630	LSPB	+	published / reissued	
CA2635851 AA	20111110	LSES	+EEER	EXAMINATION REQUEST	
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CA2677189 AA	20090731	LSPB	+	published / reissued	
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CA2677217 AA	20090731	LSPB	+	published / reissued	
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EP1981395 A2	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131005
EP1981395 A2	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130605
EP1981395 A2	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130605
EP1981395 A2	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131007
EP1981395 A2	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130605

EP1981395 A2	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130605
EP1981395 A2	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130605
EP1981395 A2	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130605
EP1981395 A2	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130605
EP1981395 A2	20140514	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20140306
EP1981395 A2	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130605
EP1981395 A2	20140618	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602006036713 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140306
EP1981395 A2	20140630	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1981395 A2	20140723	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20131120
EP1981395 A2	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131130
EP1981395 A2	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131130
EP1981395 A2	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130605
EP1981395 A2	20140822	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20140731
EP1981395 A2	20140827	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP1981395 A2	20140828	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 602006036713 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140603

EP1981395 A2	20140829	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140603
EP1981395 A2	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131120
EP1981395 A2	20141128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131202
EP1981395 A2	20141128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131120
EP1981395 A2	20150630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130605
EP1981395 A2	20150630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130605
EP1981395 A2	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131120
EP1981395 A2	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20061120
EP1981395 B1	20130605	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1981395 B1	20261120	PEXP		Calculated Patent Term Expiry	
EP2124728 A2	20091202	LSPB	+	published / reissued	
EP2124728 A2	20091202	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20090831
EP2124728 A2	20110302	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTY TYPE : OWNER OWNER : ACCUVEIN LLC
EP2124728 A4	20111109	LSSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	
EP2124728 A4	20111109	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATION SCHEME : IPC CLASSIFICATION SYMBOL : A61M 5/42 20060101ALI20111006BHEP
EP2124728 A4	20111109	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATION SCHEME : IPC CLASSIFICATION SYMBOL : A61B 6/00 20060101AFI20111006BHEP
EP2124728 A4	20111109	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED	CLASSIFICATION SCHEME : IPC CLASSIFICATION SYMBOL : A61B 5/00 20060101ALI20111006BHEP

BEFORE GRANT					
EP2124728 A4	20121003	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20120904
EP2124728 A4	20141203	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20140701
EP2124750 A2	20091202	LSPB	+	published / reissued	
EP2124750 A2	20091202	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20090831
EP2124750 A2	20110302	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : ACCUVEIN LLC
EP2124750 A4	20111109	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20111012
EP2124750 A4	20111109	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61B 5/00 20060101ALI20111006BHEP
EP2124750 A4	20111109	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61B 6/00 20060101AFI20111006BHEP
EP2124750 A4	20111109	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A61M 5/42 20060101ALI20111006BHEP
EP2124750 A4	20120815	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20120713
EP2124750 A4	20141203	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20140701
EP2454989 A1	20120523	LSPB	+	published / reissued	
EP2454989 A1	20120523	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20111221
EP2454989 A1	20130501	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20130403
EP2454989 A1	20140319	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20131015
JP2009523038 T2	20090618	LSPB	+	published / reissued	
JP2009523038 T2	20091111	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20091110
JP2009523038 T2	20091114	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20091113
JP2009523038 T2	20120315	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20120314
JP2009523038 T2	20120609	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120608
JP2009523038 T2	20130402	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20130401
JP2009523038 T2	20131008	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20131007
JP2013240690 A2	20131205	LSPB	+	published / reissued	
JP2013240690 A2	20140814	LSES	-A131	NOTIFICATION OF REASONS	TEXT : JAPANESE INTERMEDIATE CODE: A131

				FOR REFUSAL	EFFECTIVE DATE : 20140813
JP2013240690 A2	20141216	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20141215
JP2013240690 A2	20150528	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013240690 A2	20150602	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20150601
JP2013240690 A2	20150625	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20150622
JP2013240690 A2	20150626	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5768094 COUNTRY OF REF DOCUMENT : JP
JP2015083160 A2	20150430	LSPB	+	published / reissued	
JP2015083160 A2	20160119	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160118
JP2015083160 A2	20160531	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160531
JP2015083160 A2	20161017	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20161017
JP2015083160 A2	20170112	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20170112
JP2015083160 A2	20170612	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2015083160 A2	20170619	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20170619
JP2015083160 A2	20170713	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20170705
JP2015083160 A2	20170714	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6174006 COUNTRY OF REF DOCUMENT : JP
JP5768094 B2	20150826	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5768094 B2	20150604	LSGT	+A01	特許査定書 Decision of patent grant	
JP5768094 B2	20150623	LSFE	R100	特許料納付書 Patent fee payment form	
JP5768094 B2	20150626	LSGT	+R150	特許証 Patent certificate	
JP5768094 B2	20180621	LSFE	R20	特許料納付書 Patent fee payment form	
JP5768094 B2	20180703	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5768094 B2	20330723	PEXP		Calculated Patent Term Expiry	
JP6174006 B2	20170802	LSGT	+	granted /	

JP6174006 B2	20170622	LSGT	+A01	extensions (spc, cpc, pte) 特許査定書 Decision of patent grant
JP6174006 B2	20170711	LSFE	R100	特許料納付書 Patent fee payment form
JP6174006 B2	20170714	LSGT	+R150	特許証 Patent certificate
JP6174006 B2	20341212	PEXP		Calculated Patent Term Expiry
KR20080091359 A	20081010	LSPB	+	published / reissued
KR20080091359 A	20111121	LSES	A201	REQUEST FOR EXAMINATION
KR20080091359 A	20130329	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL
KR20080091359 A	20131226	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT
MX2008008632 A1	20081128	LSPB	+	published / reissued
MX2008008632 A1	20120201	LSGT	+FG	GRANT OR REGISTRATION
TW200840544 A	20081016	LSPB	+	published / reissued
TW200843703 A	20081116	LSPB	+	published / reissued
TW200901939 A	20090116	LSPB	+	published / reissued
TWI481388 B	20150421	LSGT	+	granted / extensions (spc, cpc, pte)
TWI481388 B	20270702	PEXP		Calculated Patent Term Expiry
US10096096 BB	20181009	LSGT	+	granted / extensions (spc, cpc, pte)
US10096096 BB	20180919	LSGT	PAT1	Patented Case
US10096096 BB	20370801	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)
US10238294 BB	20190326	LSGT	+	granted / extensions (spc, cpc, pte)
US10238294 BB	20190306	LSGT	PAT1	Patented Case
US10238294 BB	20350916	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)
US2007161907 AA	20070712	LSPB	+	published / reissued
US2007161907 AA	20071001	LSAS	AS	ASSIGNMENT PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MARSHALL, GRAHAM; REEL/FRAME:019900/0949 EFFECTIVE DATE : 20070911
US2007161907 AA	20080630	LSAS	AS	ASSIGNMENT PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:021178/0169 EFFECTIVE DATE : 20070806
US2007161907 AA	20090722	LSAS	AS	ASSIGNMENT PARTYTYPE : OWNER OWNER : ACCUVEIN LLC, NEW YORK OLDPARTY : CHANGE OF NAME;

					ASSIGNOR:VENOUSLIGHT LLC; REEL/FRAME:022989/0889 EFFECTIVE DATE : 20071207
US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I.,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
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US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
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US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J.,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.;

					REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
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US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENNE OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161907 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161907 AA	20120201	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:027634/0206 EFFECTIVE DATE : 20110727
US2007161908 AA	20070712	LSPB	+	published / reissued	
US2007161908 AA	20070824	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:019742/0014 EFFECTIVE DATE : 20070803
US2007161908 AA	20070824	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:019742/0067 EFFECTIVE DATE : 20070806
US2007161908 AA	20070831	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK

					OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ROTH, ROBERT H.; REEL/FRAME:019774/0090 EFFECTIVE DATE : 20070807
US2007161908 AA	20070831	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HUNT, DAVID; REEL/FRAME:019772/0968 EFFECTIVE DATE : 20070808
US2007161908 AA	20070831	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOCK, MARK; REEL/FRAME:019771/0416 EFFECTIVE DATE : 20070809
US2007161908 AA	20070928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MARSHALL, GRAHAM; REEL/FRAME:019895/0013 EFFECTIVE DATE : 20070911
US2007161908 AA	20090722	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN LLC, NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:VENOUSLIGHT LLC; REEL/FRAME:022989/0889 EFFECTIVE DATE : 20071207
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENNE OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI,

					CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT;

					ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161908 AA	20111021	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN LLC, NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:VENOUSLIGHT LLC; REEL/FRAME:027108/0499 EFFECTIVE DATE : 20071227
US2007161909 AA	20070712	LSPB	+	published / reissued	
US2007161909 AA	20070824	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:019742/0076 EFFECTIVE DATE : 20070803
US2007161909 AA	20070824	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:019742/0155 EFFECTIVE DATE : 20070806
US2007161909 AA	20070928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HUNT, DAVID; REEL/FRAME:019894/0681 EFFECTIVE DATE : 20070809
US2007161909 AA	20070928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOCK, MARK; REEL/FRAME:019894/0727 EFFECTIVE DATE : 20070809
US2007161909 AA	20070928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ROTH, ROBERT H.; REEL/FRAME:019894/0778 EFFECTIVE DATE : 20070807
US2007161909 AA	20070928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MARSHALL, GRAHAM; REEL/FRAME:019894/0913 EFFECTIVE DATE : 20070911
US2007161909 AA	20090722	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN LLC, NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:VENOUSLIGHT LLC; REEL/FRAME:022989/0889 EFFECTIVE DATE : 20071207
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J.,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420

US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR: ACCUVEIN L.L.C.; REEL/FRAME: 024273/0477 EFFECTIVE DATE : 20100420

US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS,TENNE OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007161909 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20070712	LSPB	+	published / reissued	
US2007162094 AA	20070824	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:019741/0723 EFFECTIVE DATE : 20070803
US2007162094 AA	20070824	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:019741/0896 EFFECTIVE DATE : 20070806
US2007162094 AA	20070831	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOCK, MARK; REEL/FRAME:019774/0244 EFFECTIVE DATE : 20070809
US2007162094 AA	20070831	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HUNT, DAVID; REEL/FRAME:019774/0327 EFFECTIVE DATE : 20070808
US2007162094 AA	20070831	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ROTH, ROBERT H.; REEL/FRAME:019774/0384 EFFECTIVE DATE : 20070807
US2007162094 AA	20070928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MARSHALL, GRAHAM; REEL/FRAME:019895/0116 EFFECTIVE DATE : 20070911
US2007162094 AA	20090722	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN LLC, NEW YORK

					OLDPARTY : CHANGE OF NAME; ASSIGNOR:VENOULIGHT LLC; REEL/FRAME:022989/0889 EFFECTIVE DATE : 20071207
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I.,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS,TENNE OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.;

					REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2007162094 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20080103	LSPB	+	published / reissued	
US2008004525 AA	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WOOD, FRED; REEL/FRAME:021705/0087 EFFECTIVE DATE : 20080707
US2008004525 AA	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:021722/0041 EFFECTIVE DATE : 20080707
US2008004525 AA	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:021705/0159 EFFECTIVE DATE : 20080707
US2008004525 AA	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

					OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:021722/0374 EFFECTIVE DATE : 20080707
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J.,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I.,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW

					YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS,TENNE OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008004525 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008012357 AA	20080117	LSPB	+	published / reissued	
US2008012357 AA	20120411	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VISION INDUSTRIES GROUP, INC., NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LIANG, LUKE; LIANG, TONG; CHEN, DAVID; SIGNING DATES FROM 20120401 TO 20120405; REEL/FRAME:028031/0439
US2008021329 AA	20080124	LSPB	+	published / reissued	
US2008021329 AA	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:021717/0417 EFFECTIVE DATE : 20080707
US2008021329 AA	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK

					OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:021722/0155 EFFECTIVE DATE : 20080707
US2008021329 AA	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:021722/0200 EFFECTIVE DATE : 20080707
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS,TENNE OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J.,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER,NEW YORK

					OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008021329 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20080131	LSPB	+	published / reissued	
US2008027317 AA	20090722	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN LLC, NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:VENOUSLIGHT LLC; REEL/FRAME:022989/0889 EFFECTIVE DATE : 20071207
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK

					OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J.,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS,TENNE OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I.,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477

					EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008027317 AA	20120201	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:027634/0206 EFFECTIVE DATE : 20110727
US2008027317 AA	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US2008045818 AA	20080221	LSPB	+	published / reissued	
US2008045818 AA	20090722	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN LLC, NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:VENOUSLIGHT LLC; REEL/FRAME:022989/0889 EFFECTIVE DATE : 20071207
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J.,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477

EFFECTIVE DATE : 20100420

US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS,TENNE OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I.,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420

US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045818 AA	20120201	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:027634/0206 EFFECTIVE DATE : 20110727
US2008045841 AA	20080221	LSPB	+	published / reissued	
US2008045841 AA	20090722	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN LLC, NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:VENOULIGHT LLC; REEL/FRAME:022989/0889 EFFECTIVE DATE : 20071207
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420

US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

					OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008045841 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENNE OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20080724	LSPB	+	published / reissued	
US2008177184 AA	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN; REEL/FRAME:021722/0423 EFFECTIVE DATE : 20080707
US2008177184 AA	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:021722/0197 EFFECTIVE DATE : 20080707
US2008177184 AA	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOCK, MARK; REEL/FRAME:021722/0366 EFFECTIVE DATE : 20080707
US2008177184 AA	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ROTH, ROB; REEL/FRAME:021722/0370 EFFECTIVE DATE : 20080707
US2008177184 AA	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HUNT, DAVID; REEL/FRAME:021722/0151 EFFECTIVE DATE : 20080707
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT;

					ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I.,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS,TENNE OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J.,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477

					EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008177184 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20081120	LSPB	+	published / reissued	
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477

EFFECTIVE DATE : 20100420

US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS,TENNE OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2008287806 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420

US2008287806 AA	20121220	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:029583/0547 EFFECTIVE DATE : 20110727
US2009002488 AA	20090101	LSPB	+	published / reissued	
US2009002488 AA	20090804	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN L.L.C., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:023051/0422 EFFECTIVE DATE : 20090803
US2009002488 AA	20090804	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN L.L.C., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WOOD, FRED; REEL/FRAME:023051/0265 EFFECTIVE DATE : 20090803
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J., NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LUCIANO, VINCENT, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, HARRY, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER, NEW YORK OLDPARTY : SECURITY AGREEMENT;

					ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CONN, MITCHELL I., NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ABOFF, RODNEY,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL, NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DI MAIO, JACK,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS,TENNE OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CAGNAZZI, CHRISTOPHER,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : GOLDMAN, DANIEL,NEW JERSEY OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LERNER, STEPHEN J.,NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VL GROUP, L.L.C., AS AGENT FOR OTHER LENDERS, TENN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20100422	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PRUNTY, THOMAS, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN L.L.C.; REEL/FRAME:024273/0477 EFFECTIVE DATE : 20100420
US2009002488 AA	20120201	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:027634/0206

					EFFECTIVE DATE : 20110727
US2009002488 AA	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US2011021925 AA	20110127	LSPB	+	published / reissued	
US2011021925 AA	20101028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; WOOD, FRED; LUCIANO, VINCENT; SIGNING DATES FROM 20101020 TO 20101021; REEL/FRAME:025209/0923
US2011021925 AA	20120201	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:027634/0206 EFFECTIVE DATE : 20110727
US2011021925 AA	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US2011021925 AA	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US2011021925 AA	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US2011021925 AA	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US2011021925 AA	20170606	LSES	ADV1	Advisory Action Mailed	
US2011021925 AA	20171024	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2011021925 AA	20171025	LSES	NFA1	Non Final Action Mailed	
US2011021925 AA	20181009	LSES	NFA1	Non Final Action Mailed	
US2011112407 AA	20110512	LSPB	+	published / reissued	
US2011112407 AA	20110708	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, L.L.C., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:AV DEVCO; REEL/FRAME:026562/0361 EFFECTIVE DATE : 20110707
US2011112407 AA	20120201	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:027634/0206 EFFECTIVE DATE : 20110727

US2011118611 AA	20110519	LSPB	+	published / reissued	
US2011118611 AA	20110708	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, L.L.C., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:AV DEVCO L.L.C.; REEL/FRAME:026562/0414 EFFECTIVE DATE : 20110707
US2011118611 AA	20120201	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:027634/0206 EFFECTIVE DATE : 20110727
US2011118611 AA	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US2011125028 AA	20110526	LSPB	+	published / reissued	
US2011125028 AA	20120201	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:027634/0206 EFFECTIVE DATE : 20110727
US2011208121 AA	20110825	LSPB	+	published / reissued	
US2011208121 AA	20140114	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MARSHALL, GRAHAM; REEL/FRAME:032111/0080 EFFECTIVE DATE : 20140107
US2011208121 AA	20140114	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ROTH, ROBERT; REEL/FRAME:032111/0071 EFFECTIVE DATE : 20140106
US2011208121 AA	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US2011208121 AA	20140204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HUNT, DAVID; REEL/FRAME:032167/0032 EFFECTIVE DATE : 20140108
US2011208121 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOCK, MARK; REEL/FRAME:032301/0721 EFFECTIVE DATE : 20140123
US2011208121 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:032301/0402 EFFECTIVE DATE : 20140128
US2011208121 AA	20140410	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF

					ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:032764/0803 EFFECTIVE DATE : 20140318
US2011248516 AA	20111013	LSPB	+	published / reissued	
US2011248516 AA	20120411	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VISION INDUSTRIES GROUP, INC., NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LIANG, LUKE; LIANG, TONG; CHEN, DAVID; SIGNING DATES FROM 20120401 TO 20120405; REEL/FRAME:028031/0652
US2012095350 AA	20120419	LSPB	+	published / reissued	
US2012095350 AA	20140129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:032284/0186 EFFECTIVE DATE : 20131223
US2012095350 AA	20140129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WOOD, FRED; REEL/FRAME:032122/0859 EFFECTIVE DATE : 20140128
US2012095350 AA	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US2012095350 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:032301/0485 EFFECTIVE DATE : 20131223
US2012095350 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:032301/0402 EFFECTIVE DATE : 20140128
US2012130221 AA	20120524	LSPB	+	published / reissued	
US2012151242 AA	20120614	LSPB	+	published / reissued	
US2012151242 AA	20110627	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : OCZ TECHNOLOGY GROUP, INC., CALIFORNIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MCGRATH, TIMOTHY P.; ROARK, ROBERT; SCHUETTE, FRANZ MICHAEL; SIGNING DATES FROM 20110620 TO 20110623; REEL/FRAME:026503/0907
US2012151242 AA	20120514	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : WELLS FARGO CAPITAL FINANCE, LLC, AS AGENT, CALIFO OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:OCZ TECHNOLOGY GROUP, INC.; REEL/FRAME:028440/0866 EFFECTIVE DATE : 20120510
US2012151242 AA	20130326	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : OCZ TECHNOLOGY GROUP, INC., CALIFORNIA OLDPARTY : RELEASE BY SECURED PARTY; ASSIGNOR:WELLS FARGO CAPITAL FINANCE, LLC, AS AGENT; REEL/FRAME:030088/0443 EFFECTIVE DATE : 20130311

US2012151242 AA	20130327	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HERCULES TECHNOLOGY GROWTH CAPITAL, INC., CALIFORN OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:OCZ TECHNOLOGY GROUP, INC.; REEL/FRAME:030092/0739 EFFECTIVE DATE : 20130311
US2012151242 AA	20131111	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COLLATERAL AGENTS, LLC, NEW YORK OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:OCZ TECHNOLOGY GROUP, INC.; REEL/FRAME:031611/0168 EFFECTIVE DATE : 20130812
US2012151242 AA	20140312	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ZCO LIQUIDATING CORPORATION F/K/A OCZ TECHNOLOGY G OLDPARTY : ORDER (A) AUTHORIZING AND APPROVING THE SALE OF THE DEBTORS' POWER SUPPLY ASSETS FREE AND CLEAR OF ALL LIENS, CLAIMS, ENCUMBRANCES AND OTHER INTERESTS; AND (B) GRANTING RELATED RELIEF; ASSIGNOR:UNITED STATES BANKRUPTCY COURT FOR THE DISTRICT OF DELAWARE; REEL/FRAME:032436/0001 EFFECTIVE DATE : 20140206
US2012151242 AA	20140326	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : FIREPOWER TECHNOLOGY, INC., COLORADO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ZCO LIQUIDATING CORPORATION F/K/A OCZ TECHNOLOGY GROUP, INC.; REEL/FRAME:032528/0792 EFFECTIVE DATE : 20140207
US2012151242 AA	20140707	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2012265078 AA	20121018	LSPB	+	published / reissued	
US2012265078 AA	20140114	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MARSHALL, GRAHAM; REEL/FRAME:032111/0080 EFFECTIVE DATE : 20140107
US2012265078 AA	20140114	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ROTH, ROBERT; REEL/FRAME:032111/0071 EFFECTIVE DATE : 20140106
US2012265078 AA	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US2012265078 AA	20140204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HUNT, DAVID; REEL/FRAME:032167/0032 EFFECTIVE DATE : 20140108
US2012265078 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOCK, MARK; REEL/FRAME:032301/0721 EFFECTIVE DATE : 20140123

US2012265078 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:032301/0402 EFFECTIVE DATE : 20140128
US2012265078 AA	20140410	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:032764/0736 EFFECTIVE DATE : 20140318
US2013102905 AA	20130425	LSPB	+	published / reissued	
US2013102905 AA	20140114	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MARSHALL, GRAHAM; REEL/FRAME:032111/0080 EFFECTIVE DATE : 20140107
US2013102905 AA	20140114	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ROTH, ROBERT; REEL/FRAME:032111/0071 EFFECTIVE DATE : 20140106
US2013102905 AA	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US2013102905 AA	20140204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HUNT, DAVID; REEL/FRAME:032167/0032 EFFECTIVE DATE : 20140108
US2013102905 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:032301/0402 EFFECTIVE DATE : 20140128
US2013102905 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOCK, MARK; REEL/FRAME:032301/0721 EFFECTIVE DATE : 20140123
US2013102905 AA	20140410	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:032764/0859 EFFECTIVE DATE : 20140318
US2013102905 AA	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US2013123640 AA	20130516	LSPB	+	published / reissued	
US2013123640 AA	20140129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF

					ASSIGNORS INTEREST; ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:032284/0186 EFFECTIVE DATE : 20131223
US2013123640 AA	20140129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:032261/0429 EFFECTIVE DATE : 20140123
US2013123640 AA	20140129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WOOD, FRED; REEL/FRAME:032122/0859 EFFECTIVE DATE : 20140128
US2013123640 AA	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US2013123640 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:032301/0485 EFFECTIVE DATE : 20131223
US2014024952 AA	20140123	LSPB	+	published / reissued	
US2014024952 AA	20140129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WOOD, FRED; REEL/FRAME:032122/0859 EFFECTIVE DATE : 20140128
US2014024952 AA	20140129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:032284/0186 EFFECTIVE DATE : 20131223
US2014024952 AA	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US2014024952 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:032301/0461 EFFECTIVE DATE : 20131213
US2014024952 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:032301/0402 EFFECTIVE DATE : 20140128
US2014024952 AA	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US2014024952 AA	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC.,

					TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US2014024952 AA	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US2014100455 AA	20140410	LSPB	+	published / reissued	
US2014100455 AA	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US2014100455 AA	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US2014100455 AA	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US2014100455 AA	20170228	LSES	NFA1	Non Final Action Mailed	
US2014100455 AA	20170817	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2014100455 AA	20170824	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2014100455 AA	20171122	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2014194751 AA	20140710	LSPB	+	published / reissued	
US2014194751 AA	20141204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LUCIANO, VINCENT; GOLDMAN, RON; WOOD, FRED; AND OTHERS; SIGNING DATES FROM 20131223 TO 20140128; REEL/FRAME:034562/0171
US2014194751 AA	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US2014194751 AA	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US2014194751 AA	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

					OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US2014303506 AA	20141009	LSPB	+	published / reissued	
US2014303506 AA	20141209	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; WOOD, FRED; LUCIANO, VINCENT; AND OTHERS; SIGNING DATES FROM 20131223 TO 20140128; REEL/FRAME:034717/0514
US2014303506 AA	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US2014313300 AA	20141023	LSPB	+	published / reissued	
US2014313300 AA	20141204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WOOD, FRED; LUCIANO, VINCENT; REEL/FRAME:034562/0153 EFFECTIVE DATE : 20090803
US2014313300 AA	20141231	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:034750/0726 EFFECTIVE DATE : 20110727
US2014313300 AA	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US2014313300 AA	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US2014313300 AA	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US2014316277 AA	20141023	LSPB	+	published / reissued	
US2014316277 AA	20141204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; CONLON, STEPHEN P.; MARSHALL, GRAHAM; SIGNING DATES FROM 20140107 TO 20140318; REEL/FRAME:034562/0158
US2014316277 AA	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318

US2014316277 AA	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US2014316277 AA	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US2014350408 AA	20141127	LSPB	+	published / reissued	
US2014350408 AA	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US2014350408 AA	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US2014350408 AA	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US2015080745 AA	20150319	LSPB	+	published / reissued	
US2015080745 AA	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US2015080745 AA	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US2015080745 AA	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US2015105648 AA	20150416	LSPB	+	published / reissued	
US2015105648 AA	20140129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WOOD, FRED; REEL/FRAME:032122/0859 EFFECTIVE DATE : 20140128
US2015105648 AA	20140129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:032399/0364 EFFECTIVE DATE : 20140128
US2015105648 AA	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS

					OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US2015105648 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:032301/0402 EFFECTIVE DATE : 20140128
US2015105648 AA	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US2015105648 AA	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US2015105648 AA	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US2015105648 AA	20170627	LSES	NFA1	Non Final Action Mailed	
US2015105648 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2015105648 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US2015105648 AA	20180301	LSES	NFA1	Non Final Action Mailed	
US2015157257 AA	20150611	LSPB	+	published / reissued	
US2015157257 AA	20140129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WOOD, FRED; REEL/FRAME:032122/0859 EFFECTIVE DATE : 20140128
US2015157257 AA	20140129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:032399/0579 EFFECTIVE DATE : 20131123
US2015157257 AA	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US2015157257 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON;

					REEL/FRAME:032301/0402 EFFECTIVE DATE : 20140128
US2015157257 AA	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:032308/0084 EFFECTIVE DATE : 20131113
US2015157257 AA	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US2015157257 AA	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US2015157257 AA	20170214	LSES	NFA1	Non Final Action Mailed	
US2015157257 AA	20180525	LSES	NFA1	Non Final Action Mailed	
US2015289801 AA	20151015	LSPB	+	published / reissued	
US2015289801 AA	20140610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOCK, MARK; ROTH, ROBERT; HUNT, DAVID; SIGNING DATES FROM 20140505 TO 20140508; REEL/FRAME:033174/0745
US2015289801 AA	20141204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; MOCK, MARK; HUNT, DAVID; AND OTHERS; SIGNING DATES FROM 20140106 TO 20140318; REEL/FRAME:034562/0181
US2015289801 AA	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US2015289801 AA	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US2015289801 AA	20170428	LSES	NFA1	Non Final Action Mailed	
US2015289801 AA	20180105	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2015289801 AA	20180108	LSES	NFA1	Non Final Action Mailed	
US2015289801 AA	20180425	LSES	NFA1	Non Final Action Mailed	
US2015289801 AA	20190213	LSES	NFA1	Non Final Action Mailed	
US2015305673 AA	20151029	LSPB	+	published / reissued	
US2015305673 AA	20170616	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in	

US2015305673 AA	20170907	LSFE	+PPR1	Office of Publications Publications -- Issue Fee Payment Received	
US2015305673 AA	20170908	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2015351636 AA	20151210	LSPB	+	published / reissued	
US2015351636 AA	20170621	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2015351636 AA	20170912	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2015351636 AA	20170913	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016038078 AA	20160211	LSPB	+	published / reissued	
US2016038078 AA	20150721	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; HUNT, DAVID; ROTH, ROBERT; AND OTHERS; SIGNING DATES FROM 20140107 TO 20140513; REEL/FRAME:036139/0346
US2016038078 AA	20170719	LSES	NFA1	Non Final Action Mailed	
US2016038078 AA	20171227	LSES	+ALW2	Allowed -- Notice of Allowance Not Yet Mailed	
US2016038078 AA	20171228	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016038078 AA	20180106	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2016038078 AA	20180109	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016038078 AA	20180119	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2016038078 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2016038078 AA	20180316	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016066791 AA	20160310	LSPB	+	published / reissued	
US2016066791 AA	20150916	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LUCIANO, VINCENT; GOLDMAN, RON; WOOD, FRED; AND OTHERS; SIGNING DATES FROM 20131223 TO 20140128; REEL/FRAME:036627/0746

US2016066791 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2016066791 AA	20180601	LSES	NFA1	Non Final Action Mailed	
US2016066791 AA	20190117	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2016066791 AA	20190128	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016066791 AA	20190217	LSFE	+AWA3	Awaiting TC Resp, Issue Fee Payment Verified	
US2016066791 AA	20190222	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016135733 AA	20160519	LSPB	+	published / reissued	
US2016135733 AA	20151104	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; CONLON, STEPHEN P.; LUCIANO, VINCENT; AND OTHERS; SIGNING DATES FROM 20070803 TO 20070808; REEL/FRAME:037054/0021
US2016135733 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2016135733 AA	20180607	LSES	NFA1	Non Final Action Mailed	
US2016135733 AA	20190313	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016143580 AA	20160526	LSPB	+	published / reissued	
US2016143580 AA	20160106	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WOOD, FRED; GOLDMAN, RON; CONLOR, STEHEN P.; SIGNING DATES FROM 20131213 TO 20140128; REEL/FRAME:037508/0155
US2016143580 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2016143580 AA	20181116	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016143580 AA	20190208	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016157774 AA	20160609	LSPB	+	published / reissued	
US2016157774 AA	20151222	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

					OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON, MR; HUNT, DAVID, MR; MOCK, MARK, MR; AND OTHERS; SIGNING DATES FROM 20140106 TO 20140308; REEL/FRAME:037436/0305
US2016157774 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2016157774 AA	20180605	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2016157774 AA	20180607	LSES	NFA1	Non Final Action Mailed	
US2016157774 AA	20190325	LSES	NFA1	Non Final Action Mailed	
US2016296146 A9	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US2016296146 A9	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2016303334 AA	20161020	LSPB	+	published / reissued	
US2016303334 AA	20160413	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WOOD, FRED, MR.; GOLDMAN, RON, MR.; CONLON, STEPHEN P., MR.; AND OTHERS; SIGNING DATES FROM 20131213 TO 20140128; REEL/FRAME:038266/0005
US2016303334 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2016303334 AA	20190301	LSES	NFA1	Non Final Action Mailed	
US2016345892 A9	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2016345892 A9	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US2017000409 AA	20170105	LSPB	+	published / reissued	
US2017000409 AA	20160804	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WOOD, FRED, MR.; GOLDMAN, RON, MR.; CONLON, STEPHEN P., MR.; AND OTHERS;

					SIGNING DATES FROM 20070803 TO 20070808; REEL/FRAME:039570/0490
US2017000409 AA	20160906	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN LLC, NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:VENOUSLIGHT LLC; REEL/FRAME:039918/0209 EFFECTIVE DATE : 20071226
US2017000409 AA	20160907	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:039927/0585 EFFECTIVE DATE : 20110727
US2017000409 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2017000409 AA	20190122	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017004607 AA	20170105	LSPB	+	published / reissued	
US2017004607 AA	20170503	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2017004607 AA	20170801	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2017004607 AA	20170802	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2017156660 A9	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2017156660 A9	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US2018012343 AA	20180111	LSPB	+	published / reissued	
US2018012343 AA	20170907	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LUCIANO, VINCENT; WOOD, FRED; REEL/FRAME:043514/0109 EFFECTIVE DATE : 20090803
US2018012343 AA	20170912	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:043820/0866 EFFECTIVE DATE : 20110727
US2018012343 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131

US2018012343 AA	20180223	LSES	NFA1	Non Final Action Mailed	
US2018012343 AA	20180618	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2018014776 AA	20180118	LSPB	+	published / reissued	
US2018014776 AA	20170823	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; HUNT, DAVID; MOCK, MARK; AND OTHERS; SIGNING DATES FROM 20140106 TO 20140318; REEL/FRAME:043645/0235
US2018014776 AA	20170920	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON, MR.; HUNT, DAVID, MR.; MOCK, MARK, MR.; AND OTHERS; SIGNING DATES FROM 20140106 TO 20140318; REEL/FRAME:043636/0169
US2018014776 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2018028110 AA	20180201	LSPB	+	published / reissued	
US2018028110 AA	20170829	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; WOOD, FRED; CONLON, STEPHEN P; AND OTHERS; SIGNING DATES FROM 20131223 TO 20140128; REEL/FRAME:043433/0539
US2018028110 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2018125371 AA	20180510	LSPB	+	published / reissued	
US2018125371 AA	20171212	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; CONLON, STEPHEN P.; LUCIANO, VINCENT; AND OTHERS; SIGNING DATES FROM 20131213 TO 20140128; REEL/FRAME:044836/0526
US2018125371 AA	20180123	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; CONLON, STEPHEN P.; LUCIANO, VINCENT; AND OTHERS; SIGNING DATES FROM 20131213 TO 20140128; REEL/FRAME:045115/0273
US2018125371 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131

US2018132782 AA	20180517	LSPB	+	published / reissued	
US2018132782 AA	20171116	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WOOD, FRED; GOLDMAN, RON; CONLON, STEPHEN; AND OTHERS; SIGNING DATES FROM 20070803 TO 20070808; REEL/FRAME:044151/0578
US2018132782 AA	20171121	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:VENOUSLIGHT, LLC; REEL/FRAME:044490/0226 EFFECTIVE DATE : 20110727
US2018132782 AA	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US2018214076 AA	20180802	LSPB	+	published / reissued	
US2018214076 AA	20180312	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; HUNT, DAVID; ROTH, ROBERT; AND OTHERS; SIGNING DATES FROM 20140107 TO 20140513; REEL/FRAME:045174/0579
US2019026873 AA	20190124	LSPB	+	published / reissued	
US2019026873 AA	20180905	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:047014/0862 EFFECTIVE DATE : 20110727
US2019026873 AA	20180905	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LUCIANO, VINCENT, MR.; WOOD, FRED, MR.; REEL/FRAME:046783/0932 EFFECTIVE DATE : 20090803
US7904138 BB	20110308	LSGT	+	granted / extensions (spc, cpc, pte)	
US7904138 BB	20110216	LSGT	PAT1	Patented Case	
US7904138 BB	20121220	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:029583/0547 EFFECTIVE DATE : 20110727
US7904138 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US7904138 BB	20140807	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7904138 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318

US7904138 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US7904138 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US7904138 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US7904138 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US7904138 BB	20180906	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7904138 BB	20300106	PEXP		Calculated Patent Term Expiry (PTA 1135 days)	
US7983738 BB	20110719	LSGT	+	granted / extensions (spc, cpc, pte)	
US7983738 BB	20110629	LSGT	PAT1	Patented Case	
US7983738 BB	20120201	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:027634/0206 EFFECTIVE DATE : 20110727
US7983738 BB	20121220	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:029583/0547 EFFECTIVE DATE : 20110727
US7983738 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US7983738 BB	20150106	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7983738 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US7983738 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US7983738 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562

					EFFECTIVE DATE : 20150608
US7983738 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US7983738 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US7983738 BB	20181214	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7983738 BB	20270628	PEXP		Calculated Patent Term Expiry	
US8073531 BB	20111206	LSGT	+	granted / extensions (spc, cpc, pte)	
US8073531 BB	20111116	LSGT	PAT1	Patented Case	
US8073531 BB	20121220	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:029583/0547 EFFECTIVE DATE : 20110727
US8073531 BB	20130402	LSRE	CC	CERTIFICATE OF CORRECTION	
US8073531 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US8073531 BB	20140521	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HUNT, DAVID; MOCK, MARK; ROTH, ROBERT; SIGNING DATES FROM 20140512 TO 20140513; REEL/FRAME:033002/0564
US8073531 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8073531 BB	20150514	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8073531 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8073531 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8073531 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672

EFFECTIVE DATE : 20180131					
US8073531 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8073531 BB	20261128	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US8150500 BB	20120403	LSGT	+	granted / extensions (spc, cpc, pte)	
US8150500 BB	20120314	LSGT	PAT1	Patented Case	
US8150500 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US8150500 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8150500 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8150500 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8150500 BB	20150925	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8150500 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8150500 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8150500 BB	20291120	PEXP		Calculated Patent Term Expiry (PTA 1088 days and a terminal disclaimer has been filed)	
US8244333 BB	20120814	LSGT	+	granted / extensions (spc, cpc, pte)	
US8244333 BB	20120725	LSGT	PAT1	Patented Case	
US8244333 BB	20121220	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:029583/0547 EFFECTIVE DATE : 20110727

US8244333 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US8244333 BB	20141209	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WOOD, FRED; REEL/FRAME:034727/0843 EFFECTIVE DATE : 20141205
US8244333 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8244333 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8244333 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8244333 BB	20160203	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8244333 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8244333 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8244333 BB	20310525	PEXP		Calculated Patent Term Expiry (PTA 1461 days)	
US8255040 BB	20120828	LSGT	+	granted / extensions (spc, cpc, pte)	
US8255040 BB	20080418	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MARSHALL, GRAHAM; REEL/FRAME:020835/0476 EFFECTIVE DATE : 20080314
US8255040 BB	20120808	LSGT	PAT1	Patented Case	
US8255040 BB	20121023	LSRE	CC	CERTIFICATE OF CORRECTION	
US8255040 BB	20121220	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:029583/0547 EFFECTIVE DATE : 20110727
US8255040 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.;

					REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US8255040 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8255040 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8255040 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8255040 BB	20160203	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8255040 BB	20170328	LSRE	CC	CERTIFICATE OF CORRECTION	
US8255040 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8255040 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8255040 BB	20300918	PEXP		Calculated Patent Term Expiry (PTA 1039 days and a terminal disclaimer has been filed)	
US8295904 BB	20121023	LSGT	+	granted / extensions (spc, cpc, pte)	
US8295904 BB	20121003	LSGT	PAT1	Patented Case	
US8295904 BB	20121220	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:029583/0547 EFFECTIVE DATE : 20110727
US8295904 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US8295904 BB	20140513	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOCK, MARK; ROTH, ROBERT; HUNT, DAVID; SIGNING DATES FROM 20140505 TO 20140508; REEL/FRAME:032899/0174
US8295904 BB	20141014	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MARSHALL, GRAHAM;

					GOLDMAN, RON; CONLON, STEPHEN P.; SIGNING DATES FROM 20060911 TO 20070806; REEL/FRAME:034011/0945
US8295904 BB	20141028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN LLC, NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:VENOUSLIGHT LLC; REEL/FRAME:034094/0955 EFFECTIVE DATE : 20071207
US8295904 BB	20141105	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:034181/0511 EFFECTIVE DATE : 20110727
US8295904 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8295904 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8295904 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8295904 BB	20160413	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8295904 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8295904 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8295904 BB	20311102	PEXP		Calculated Patent Term Expiry	
US8380291 BB	20130219	LSGT	+	granted / extensions (spc, cpc, pte)	
US8380291 BB	20070914	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:019827/0965 EFFECTIVE DATE : 20070803
US8380291 BB	20070928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:019895/0414 EFFECTIVE DATE : 20070808
US8380291 BB	20070928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.;

					REEL/FRAME:019895/0536 EFFECTIVE DATE : 20070806
US8380291 BB	20070928	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WOOD, FRED; REEL/FRAME:019895/0612 EFFECTIVE DATE : 20070808
US8380291 BB	20130130	LSGT	PAT1	Patented Case	
US8380291 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US8380291 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8380291 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8380291 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8380291 BB	20160809	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8380291 BB	20170328	LSRE	CC	CERTIFICATE OF CORRECTION	
US8380291 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8380291 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8380291 BB	20310911	PEXP		Calculated Patent Term Expiry (PTA 1570 days)	
US8391960 BB	20130305	LSGT	+	granted / extensions (spc, cpc, pte)	
US8391960 BB	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:021704/0932 EFFECTIVE DATE : 20080707
US8391960 BB	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WOOD, FRED; REEL/FRAME:021704/0928 EFFECTIVE DATE : 20080707

US8391960 BB	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:021722/0204 EFFECTIVE DATE : 20080707
US8391960 BB	20081020	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:021722/0180 EFFECTIVE DATE : 20080707
US8391960 BB	20130213	LSGT	PAT1	Patented Case	
US8391960 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US8391960 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8391960 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8391960 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8391960 BB	20160824	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8391960 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8391960 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8391960 BB	20301105	PEXP		Calculated Patent Term Expiry (PTA 1260 days and a terminal disclaimer has been filed)	
US8414039 BB	20130409	LSGT	+	granted / extensions (spc, cpc, pte)	
US8414039 BB	20130320	LSGT	PAT1	Patented Case	
US8414039 BB	20161006	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8414039 BB	20310314	PEXP		Calculated Patent Term Expiry (PTA 1354 days)	
US8463364 BB	20130611	LSGT	+	granted / extensions (spc, cpc, pte)	

US8463364 BB	20101028	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; WOOD, FRED; LUCIANO, VINCENT; SIGNING DATES FROM 20101020 TO 20101021; REEL/FRAME:025209/0923
US8463364 BB	20130522	LSGT	PAT1	Patented Case	
US8463364 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US8463364 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8463364 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8463364 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8463364 BB	20161130	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8463364 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8463364 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8463364 BB	20300820	PEXP		Calculated Patent Term Expiry (PTA 29 days)	
US8478386 BB	20130702	LSGT	+	granted / extensions (spc, cpc, pte)	
US8478386 BB	20061113	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:018592/0733 EFFECTIVE DATE : 20060929
US8478386 BB	20061204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOCK, MARK; REEL/FRAME:018577/0123 EFFECTIVE DATE : 20061114
US8478386 BB	20061204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST;

					ASSIGNOR:HUNT, DAVID; REEL/FRAME:018577/0114 EFFECTIVE DATE : 20061114
US8478386 BB	20061204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ROTH, ROBERT H.; REEL/FRAME:018577/0136 EFFECTIVE DATE : 20061115
US8478386 BB	20130612	LSGT	PAT1	Patented Case	
US8478386 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US8478386 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8478386 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8478386 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8478386 BB	20161222	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8478386 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8478386 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8478386 BB	20300923	PEXP		Calculated Patent Term Expiry (PTA 1547 days and a terminal disclaimer has been filed)	
US8489178 BB	20130716	LSGT	+	granted / extensions (spc, cpc, pte)	
US8489178 BB	20070824	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:019742/0348 EFFECTIVE DATE : 20070806
US8489178 BB	20070824	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WOOD, FRED; REEL/FRAME:019742/0518 EFFECTIVE DATE : 20070808

US8489178 BB	20070824	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:019742/0382 EFFECTIVE DATE : 20070808
US8489178 BB	20070824	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:019742/0296 EFFECTIVE DATE : 20070803
US8489178 BB	20130626	LSGT	PAT1	Patented Case	
US8489178 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US8489178 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8489178 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8489178 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8489178 BB	20170111	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8489178 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8489178 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8489178 BB	20310117	PEXP		Calculated Patent Term Expiry (PTA 1333 days)	
US8594770 BB	20131126	LSGT	+	granted / extensions (spc, cpc, pte)	
US8594770 BB	20110118	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AV DEVCO, LLC, TENNESSEE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LUCIANO, VINCENT; GOLDMAN, RON; WOOD, FRED; SIGNING DATES FROM 20101223 TO 20110104; REEL/FRAME:025645/0256
US8594770 BB	20131106	LSGT	PAT1	Patented Case	
US8594770 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK,

					MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US8594770 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8594770 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8594770 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8594770 BB	20170517	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8594770 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8594770 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8594770 BB	20311008	PEXP		Calculated Patent Term Expiry (PTA 359 days)	
US8665507 BB	20140304	LSGT	+	granted / extensions (spc, cpc, pte)	
US8665507 BB	20110118	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : AV DEVCO, LLC, TENNESSEE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:LUCIANO, VINCENT; GOLDMAN, RON; WOOD, FRED; SIGNING DATES FROM 20101123 TO 20101223; REEL/FRAME:025645/0231
US8665507 BB	20140212	LSGT	PAT1	Patented Case	
US8665507 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8665507 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8665507 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608

US8665507 BB	20170825	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8665507 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8665507 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8665507 BB	20320204	PEXP		Calculated Patent Term Expiry (PTA 464 days)	
US8706200 BB	20140422	LSGT	+	granted / extensions (spc, cpc, pte)	
US8706200 BB	20140402	LSGT	PAT1	Patented Case	
US8706200 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8706200 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8706200 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8706200 BB	20170808	LSRE	CC	CERTIFICATE OF CORRECTION	
US8706200 BB	20171013	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8706200 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8706200 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8706200 BB	20321011	PEXP		Calculated Patent Term Expiry	
US8712498 BB	20140429	LSGT	+	granted / extensions (spc, cpc, pte)	
US8712498 BB	20140409	LSGT	PAT1	Patented Case	
US8712498 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318

US8712498 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8712498 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8712498 BB	20171013	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8712498 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8712498 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8712498 BB	20310303	PEXP		Calculated Patent Term Expiry (PTA 37 days and a terminal disclaimer has been filed)	
US8730321 BB	20140520	LSGT	+	granted / extensions (spc, cpc, pte)	
US8730321 BB	20140430	LSGT	PAT1	Patented Case	
US8730321 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8730321 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8730321 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8730321 BB	20171108	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8730321 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8730321 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131

US8730321 BB	20310601	PEXP		Calculated Patent Term Expiry (PTA 1069 days)	
US8750970 BB	20140610	LSGT	+	granted / extensions (spc, cpc, pte)	
US8750970 BB	20140521	LSGT	PAT1	Patented Case	
US8750970 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8750970 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8750970 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8750970 BB	20161122	LSRE	CC	CERTIFICATE OF CORRECTION	
US8750970 BB	20171129	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8750970 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8750970 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8750970 BB	20320717	PEXP		Calculated Patent Term Expiry (PTA 96 days and a terminal disclaimer has been filed)	
US8818493 BB	20140826	LSGT	+	granted / extensions (spc, cpc, pte)	
US8818493 BB	20140806	LSGT	PAT1	Patented Case	
US8818493 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8818493 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8818493 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608

US8818493 BB	20180118	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8818493 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8818493 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8818493 BB	20320716	PEXP		Calculated Patent Term Expiry (PTA 374 days)	
US8838210 BB	20140916	LSGT	+	granted / extensions (spc, cpc, pte)	
US8838210 BB	20071001	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WOOD, FRED; REEL/FRAME:019901/0161 EFFECTIVE DATE : 20070808
US8838210 BB	20071001	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:019901/0123 EFFECTIVE DATE : 20070808
US8838210 BB	20071001	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:019901/0103 EFFECTIVE DATE : 20070806
US8838210 BB	20071001	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VENOUSLIGHT, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:019901/0072 EFFECTIVE DATE : 20070803
US8838210 BB	20140827	LSGT	PAT1	Patented Case	
US8838210 BB	20150320	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : FIRST AMENDMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035232/0585 EFFECTIVE DATE : 20150318
US8838210 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US8838210 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US8838210 BB	20180119	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8838210 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW

					YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US8838210 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US8838210 BB	20290331	PEXP		Calculated Patent Term Expiry (PTA 790 days and a terminal disclaimer has been filed)	
US8870244 BB	20141028	LSGT	+	granted / extensions (spc, cpc, pte)	
US8870244 BB	20141008	LSGT	PAT1	Patented Case	
US8870244 BB	20180223	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8870244 BB	20330201	PEXP		Calculated Patent Term Expiry (PTA 682 days)	
US9042966 BB	20150526	LSGT	+	granted / extensions (spc, cpc, pte)	
US9042966 BB	20150506	LSGT	PAT1	Patented Case	
US9042966 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608
US9042966 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US9042966 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US9042966 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US9042966 BB	20181108	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9042966 BB	20340513	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9044207 BB	20150602	LSGT	+	granted / extensions (spc, cpc, pte)	
US9044207 BB	20150513	LSGT	PAT1	Patented Case	
US9044207 BB	20150610	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., TENNESSEE OLDPARTY : RELEASE OF SECURITY INTEREST IN PATENTS; ASSIGNOR:SILICON VALLEY BANK; REEL/FRAME:035881/0803 EFFECTIVE DATE : 20150608

US9044207 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US9044207 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US9044207 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US9044207 BB	20181120	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9044207 BB	20321010	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9125629 BB	20150908	LSGT	+	granted / extensions (spc, cpc, pte)	
US9125629 BB	20140325	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MOCK, MARK; HUNT, DAVID; ROTH, ROBERT; SIGNING DATES FROM 20140318 TO 20140320; REEL/FRAME:032514/0076
US9125629 BB	20140410	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:032764/0862 EFFECTIVE DATE : 20140318
US9125629 BB	20140521	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HUNT, DAVID; ROTH, ROBERT; SIGNING DATES FROM 20140512 TO 20140513; REEL/FRAME:033002/0559
US9125629 BB	20150819	LSGT	PAT1	Patented Case	
US9125629 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US9125629 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US9125629 BB	20190222	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9125629 BB	20340305	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	

US9186063 BB	20151117	LSGT	+	granted / extensions (spc, cpc, pte)	
US9186063 BB	20151028	LSGT	PAT1	Patented Case	
US9186063 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US9186063 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US9186063 BB	20340130	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9226664 BB	20160105	LSGT	+	granted / extensions (spc, cpc, pte)	
US9226664 BB	20140723	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; CONLON, STEPHEN P.; LUCIANO, VINCENT; AND OTHERS; SIGNING DATES FROM 20070803 TO 20070808; REEL/FRAME:033427/0844
US9226664 BB	20151113	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US9226664 BB	20151216	LSGT	PAT1	Patented Case	
US9226664 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US9226664 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US9226664 BB	20340703	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9345427 BB	20160524	LSGT	+	granted / extensions (spc, cpc, pte)	
US9345427 BB	20151124	LSSES	ADV1	Advisory Action Mailed	
US9345427 BB	20160504	LSGT	PAT1	Patented Case	
US9345427 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US9345427 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY

AGREEMENT; ASSIGNOR:ACCUVEIN
INC.; REEL/FRAME:045210/0305
EFFECTIVE DATE : 20180131

US9345427 BB	20330605	PEXP		Calculated Patent Term Expiry	
US9430819 BB	20160830	LSGT	+	granted / extensions (spc, cpc, pte)	
US9430819 BB	20160810	LSGT	PAT1	Patented Case	
US9430819 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US9430819 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US9430819 BB	20340304	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9492117 BB	20161115	LSGT	+	granted / extensions (spc, cpc, pte)	
US9492117 BB	20140114	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MARSHALL, GRAHAM; REEL/FRAME:032111/0080 EFFECTIVE DATE : 20140107
US9492117 BB	20140114	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ROTH, ROBERT; REEL/FRAME:032111/0071 EFFECTIVE DATE : 20140106
US9492117 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US9492117 BB	20140204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:HUNT, DAVID; REEL/FRAME:032167/0032 EFFECTIVE DATE : 20140108
US9492117 BB	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:032301/0402 EFFECTIVE DATE : 20140128
US9492117 BB	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOCK, MARK; REEL/FRAME:032308/0115 EFFECTIVE DATE : 20140121
US9492117 BB	20140410	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF

					ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:032764/0856 EFFECTIVE DATE : 20140318
US9492117 BB	20150925	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US9492117 BB	20151218	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US9492117 BB	20161026	LSGT	PAT1	Patented Case	
US9492117 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US9492117 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US9492117 BB	20340909	PEXP		Calculated Patent Term Expiry (PTA 476 days and a terminal disclaimer has been filed)	
US9760982 BB	20170912	LSGT	+	granted / extensions (spc, cpc, pte)	
US9760982 BB	20160804	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, LLC, NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:WOOD, FRED, MR.; LUCIANO, VINCENT, MR.; REEL/FRAME:039341/0668 EFFECTIVE DATE : 20090803
US9760982 BB	20160809	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : CHANGE OF NAME; ASSIGNOR:ACCUVEIN LLC; REEL/FRAME:039631/0792 EFFECTIVE DATE : 20110727
US9760982 BB	20170823	LSGT	PAT1	Patented Case	
US9760982 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US9760982 BB	20360802	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9788787 BB	20171017	LSGT	+	granted / extensions (spc, cpc, pte)	
US9788787 BB	20150506	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; HUNT, DAVID; MOCK, MARK; AND OTHERS; SIGNING DATES FROM 20140106 TO 20140318; REEL/FRAME:035636/0844
US9788787 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE

					OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US9788787 BB	20170927	LSGT	PAT1	Patented Case	
US9788787 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US9788787 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US9788787 BB	20360419	PEXP		Calculated Patent Term Expiry (PTA 349 days)	
US9788788 BB	20171017	LSGT	+	granted / extensions (spc, cpc, pte)	
US9788788 BB	20150518	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACOUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; WOOD, FRED; CONLON, STEPHEN P.; AND OTHERS; SIGNING DATES FROM 20131223 TO 20140128; REEL/FRAME:035813/0285
US9788788 BB	20150603	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GOLDMAN, RON; WOOD, FRED; CONLON, STEPHEN P.; AND OTHERS; SIGNING DATES FROM 20140123 TO 20140128; REEL/FRAME:035829/0971
US9788788 BB	20150616	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUV FUNDING LLC, DELAWARE OLDPARTY : SECURITY INTEREST; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:035921/0562 EFFECTIVE DATE : 20150608
US9788788 BB	20170927	LSGT	PAT1	Patented Case	
US9788788 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US9788788 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US9788788 BB	20360422	PEXP		Calculated Patent Term Expiry (PTA 344 days and a terminal disclaimer has been filed)	
US9854977 BB	20180102	LSGT	+	granted / extensions (spc, cpc, pte)	
US9854977 BB	20140129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST;

					ASSIGNOR:LUCIANO, VINCENT; REEL/FRAME:032284/0186 EFFECTIVE DATE : 20131223
US9854977 BB	20140129	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WOOD, FRED; REEL/FRAME:032122/0859 EFFECTIVE DATE : 20140128
US9854977 BB	20140203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SILICON VALLEY BANK, MASSACHUSETTS OLDPARTY : SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:032152/0953 EFFECTIVE DATE : 20140131
US9854977 BB	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GOLDMAN, RON; REEL/FRAME:032301/0402 EFFECTIVE DATE : 20140128
US9854977 BB	20140211	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN, INC., NEW YORK OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CONLON, STEPHEN P.; REEL/FRAME:032301/0461 EFFECTIVE DATE : 20131213
US9854977 BB	20171213	LSGT	PAT1	Patented Case	
US9854977 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PERCEPTIVE CREDIT HOLDINGS, LP, NEW YORK OLDPARTY : PATENT SECURITY AGREEMENT; ASSIGNOR:ACCUVEIN INC.; REEL/FRAME:045210/0305 EFFECTIVE DATE : 20180131
US9854977 BB	20180131	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ACCUVEIN INC., NEW YORK OLDPARTY : TERMINATION OF INTELLECTUAL PROPERTY SECURITY AGREEMENT; ASSIGNOR:ACCUV FUNDING, LLC; REEL/FRAME:045210/0672 EFFECTIVE DATE : 20180131
US9854977 BB	20321010	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US9949688 BB	20180424	LSGT	+	granted / extensions (spc, cpc, pte)	
US9949688 BB	20180404	LSGT	PAT1	Patented Case	
US9949688 BB	20360406	PEXP		Calculated Patent Term Expiry (PTA 266 days and a terminal disclaimer has been filed)	
WO07078447 A2	20070712	LSPB	+	published / reissued	
WO07078447 A3	20080627	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2006838085 COUNTRY OF REF DOCUMENT : EP
WO07078447 A3	20080627	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2008548513 COUNTRY OF REF DOCUMENT : JP
WO07078447 A3	20080630	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2635851 COUNTRY OF REF DOCUMENT : CA
WO07078447 A3	20080701	LSNP	+WWE	WIPO	REF DOCUMENT NUMBER :

				INFORMATION: ENTRY INTO NATIONAL PHASE	MX/A/2008/008632 COUNTRY OF REF DOCUMENT : MX
WO07078447 A3	20080702	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO07078447 A3	20080730	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1020087018809 COUNTRY OF REF DOCUMENT : KR
WO07078447 A3	20111206	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0621174 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20080701
WO08005282 A2	20080110	LSPB	+	published / reissued	
WO08005282 A3	20081230	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO08005282 A3	20090129	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : RU
WO08005282 A3	20090812	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 07835907 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :
WO08094252 A2	20080807	LSPB	+	published / reissued	
WO08094252 A3	20090731	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2677217 COUNTRY OF REF DOCUMENT : CA
WO08094252 A3	20090801	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO08094252 A3	20090831	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007868094 COUNTRY OF REF DOCUMENT : EP
WO08094253 A2	20080807	LSPB	+	published / reissued	
WO08094253 A3	20090731	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2677189 COUNTRY OF REF DOCUMENT : CA
WO08094253 A3	20090801	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO08094253 A3	20090831	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007868095 COUNTRY OF REF DOCUMENT : EP
WO12011951 A1	20120126	LSPB	+	published / reissued	
WO12011951 A1	20130122	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO12011951 A1	20130821	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 11809971 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :