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Rev. 10/02)PATENTS ONLY PATENTS ONLY U.S. Patent and Trademark Of			
OMB No. 0651-0027 (exp. 06/30/2005 Tab Setting ⇔ ⇔ ▼ ▼ ▼			
To the Honorable Commissioner of Patents and Trademarks: Ple	ase record the attached original documents or copy thereof		
Name of conveying party(ies):	Name and address of receiving party(ies):		
<u> </u>			
Visible Genetics, Inc.	Name: Bayer HealthCare LLC		
	Street Address: <u>511 Benedict Avenue</u>		
Additional name(s) of conveying party(ies) attached? Tyes No	City: <u>Tarrytown</u> State: <u>NY</u> Zip: <u>10591</u>		
Nature of conveyance:	Additional name(s) & address(es) attached? Yes No		
☐ Security Agreement ☐ Change of Name	}		
Other			
Execution Date (s) April 1, 2003			
4. Application number(s) or patent number(s):	-		
If this document is being filed together with a new application, the			
A. Patent Application No.(s)	B. Patent No.(s)		
See attached Exhibit A	See attached Exhibit B		
	ached? 🛛 Yes 🗌 No		
5.Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and registrations involved: 75		
	7. Total fee (37 CFR 3.41) \$3,000.00		
Name: Christopher L. Wight, Reg. No. 31,680	☐ Enclosed		
Street address: Holland & Hart	Authorized to be charged to deposit account		
555 17 th Street, Suite 3200			
City: <u>Denver</u> State: <u>CO</u> Zip: <u>80201</u>	8. Deposit account number:		
	08-2623		
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9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is			
true copy of the original document.			
Christopher L. Wight	April 7, 2004		
Name of person signing Sign	aturo Date		
Total number of pages comprising cove	r sheet∕⊣24		

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignments, Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313

Exhibit A (Continuation of Cover Sheet No. 4)

Patent Applications Assigned By Visible Genetics, Inc. To Bayer Healthcare LLC

Serial No.	Title	Filing Date
09/907,001	Micro-Electrophoresis Chip for Moving and Separating Nucleic Acids and Other Charged Molecules	07/16/01
10/217,615	Method, Apparatus and Kits for Sequencing of Nucleic Acid Using Multiple Dyes	08/12/02
09/147,916	Method and Apparatus for Alignment of Signals for Use in DNA Base-Calling	03/23/99
09/818,182	Method and Kit for Quantification and Nucleic Acid Sequencing of Nucleic Acid Analytes in a Sample	03/27/01
09/065,748	Method Sequencing of Nucleic Acid Polymers	04/24/98
10/082,546	Method and Kit for Quantification and Nucleic Acid Sequencing of Nucleic Acid Analytes in a Sample	02/25/02
09/786,105	Method and Kit for the Characterization of Antibiotic- Resistance Mutations in Mycobacterium Tuberculosis	02/26/01
09/536,111	Method for Alignment of DNA Sequences with Increased Read- Length and Accuracy	03/24/00
09/802,110	Method, Compositions and Kit for Detection and Identification of Microorganisms	03/07/01
09/565,249	Nucleic Acid Sequencing with Simultaneous Quantification	05/05/00

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Serial No.	Title	Filing Date
08/766,189	Method and Kit for HLA Class I Typing	12/12/96
10/212,710	System and Method for Analyzing Resistance of a Pathogen to One or More Treatments	08/08/02
10/177,224	Method and Apparatus for DNA Sequencing	06/21/02
09/827,432	Method and Apparatus for Alignment of DNA Sequencing Data Traces	04/06/01
09/652,331	Electrophoresis Gel Cassette	08/31/00
PCT/US02/ 06632	Method and Primers for Evaluating HIV 1 Mutations	03/05/02
10/295,964	Electrophoretic Trace Simulator	11/15/02

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Exhibit B (Continuation of Cover Sheet No. 4)

Patents Assigned By Visible Genetics, Inc. To Bayer Healthcare LLC

Patent No.	Title	Issue Date
5,507,934	Apparatus for Preparing Gels for Use in Electrophoretic Separations and Similar Applications	04/16/96
5,543,018	Method and Apparatus for Automated Electrophoresis Using Light Polarization Detector	08/06/96
5,545,527	Method for Testing for Mutation in DNA from a Patient Sample	08/13/96
5,550,020	Method, Reagents and Kit for Diagnosis and Targeted Screening for Retinoblastoma	08/27/96
5,552,283	Method, Reagents and Kit for Diagnosis and Targeted Screening for P53 Mutations	09/03/96
5,599,434	Electrophoresis Gels and Gel Holders Having Adhesive Affixed Fiber Spacers and Method of Making Same	02/04/97
5,618,398	Electrophoresis Gels and Gel Holders Having Fiber Spacers and Method of Making Same	04/08/97
5,627,022	Microgels for Use in Medical Diagnosis and Holders Useful in Fabricating Same	05/06/97
5,710,628	Automated Electrophoresis and Fluorescence Detection Apparatus and Method	01/20/98
5,712,476	Electrophoresis and Fluorescence Detection Method	01/27/98

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Patent No.	Title	Issue Date
5,776,737	Method and Composition for Internal Identification of Samples	07/07/98
5,776,767	Virtual DNA Sequencer	07/07/98
5,786,142	Electrophoresis and Fluorescence Detection Method	07/28/98
5,789,168	Method for Single-Tube Sequencing of Nucleic Acid Polymers	08/04/98
5,795,722	Method and Kit for Quantification and Nucleic Acid Sequencing of Nucleic Acid Analytes in a Sample	08/18/98
5,830,657	Method for Single-Tube Sequencing of Nucleic Acid Polymers	11/03/98
5,834,189	Method for Evaluation of Polymorphic Genetic Sequences, and the Use Thereon in Identification of HLA Types	11/10/98
5,853,979	Method and System for DNA Sequence Determination and Mutation Detection with Reference to a Standard	12/29/98
5,885,431	Microgels for Use in Medical Diagnosis and Methods of Making and Using Same	03/23/99
5,888,731	Method for Identification of Mutations Using Ligation of Multiple Oligonucleotide Probes	03/30/99
5,888,736	Method, Compositions and Kit for Detection and Identification of Microorganisms	03/30/99
5,897,842	Method and Apparatus for Thermal Cycling and for Automated Sample Preparation with Thermal Cycling	04/27/99
5,900,131	Method and Apparatus for Automated Electrophoresis Using Light Polarization Detector	05/04/99

Title	Issue Date
Method and Kit for Amplification, Sequencing and Typing of Classical HLA I Genes	06/08/99
Method and Apparatus for Alignment of Signals for Use in DNA Based-Calling	06/29/99
Method and Apparatus for DNA- Sequencing Using Reduced Number of Sequencing Mixtures	11/09/99
Automated Electrophoresis and Fluorescence Detection Apparatus and Method	12/21/99
Apparatus for Preparing Gels for Use in Electrophoretic Separations and Similar Applications	12/28/99
Method and Kit for Evaluation of HIV Mutations	12/28/99
Compositions and Methods for Diagnosis of Mutations of the von Hippel-Lindau Tumor Suppressor Gene	01/11/00
High Dynamic Range Apparatus for Separation and Detection of Polynucleotide Fragments	01/11/00
Method and Apparatus for Improving Electrophoresis Resolution	02/15/00
Method for Identification of Mutations Using Ligation of Multiple Oligonucleotide Probes	02/15/00
Method, Reagent and Kit for Genotyping of Human Papillomavirus	04/04/00
	Method and Kit for Amplification, Sequencing and Typing of Classical HLA I Genes Method and Apparatus for Alignment of Signals for Use in DNA Based-Calling Method and Apparatus for DNA-Sequencing Using Reduced Number of Sequencing Mixtures Automated Electrophoresis and Fluorescence Detection Apparatus and Method Apparatus for Preparing Gels for Use in Electrophoretic Separations and Similar Applications Method and Kit for Evaluation of HIV Mutations Compositions and Methods for Diagnosis of Mutations of the von Hippel-Lindau Tumor Suppressor Gene High Dynamic Range Apparatus for Separation and Detection of Polynucleotide Fragments Method and Apparatus for Improving Electrophoresis Resolution Method for Identification of Mutations Using Ligation of Mutations Using Ligation of Multiple Oligonucleotide Probes Method, Reagent and Kit for Genotyping of Human

Patent No.	Title	Issue Date
6,054,036	Electrophoresis Gels and Gel Holders Having Fiber Spacers and Method of Making Same	04/25/00
6,063,567	Method, Reagents and Kit for Diagnosis and Targeted Screening for Retinoblastoma	05/16/00
6,071,726	Method Reagents and Kit for Diagnosis and Screening for P53 Mutations	06/06/00
6,083,699	Method for Bi-Directional Sequence of Nucleic Acid Polymers	07/04/00
6,110,339	Nanofabricated Separation Matrix for Analysis of Biopolymers and Methods of Making and Using Same	08/29/00
6,110,344	Gel-Forming Insert for Electrophoresis Gels	08/29/00
6,136,172	Gel-Forming Insert for Electrophoresis Gels	10/24/00
6,176,990	Micro-Electrophoresis Chip for Separating Nucleic Acids and Other Charged Molecules	01/23/01
6,214,555	Method, Compositions and Kits for Detection	04/10/01
6,225,062	Method and Kit for Direct Isothermal Sequencing of Nucleic Acids	05/01/01
6,228,577	Method, Reagent and Kit for Genotyping of Human Papillomavirus	05/08/01

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Patent No.	Title	Issue Date
6,261,430	Micro-Electrophoresis Chip for Moving and Separating Nucleic Acids and Other Charged Molecules	07/17/01
6,265,152	Method and Kit for Evaluation of HIV Mutations	07/24/01
6,270,963	Method for Testing for Mutations in DNA from a Patient Sample	08/07/01
6,303,303	Method and System for DNA Sequence Determination and Mutation Detection	10/16/01
6,397,150	Method and Apparatus for Sequencing of DNA Using an Internal Calibrant	05/28/02
6,403,303	Method and Reagents for Testing for Mutations in the BRCA1 Gene	06/11/02
6,404,907	Method for Sequencing Nucleic Acids with Reduced Errors	06/11/02
6,413,718	Method Sequencing of Nucleic Acid Polymers	07/02/02
6,432,634	Method, Apparatus and Kits for Sequencing of Nucleic Acid Using Multiple Dyes	08/13/02
6,436,641	Method and Apparatus for DNA Sequencing	08/20/02
6,440,664	Apparatus Sequencing of Nucleic Acid Using Multiple Dyes	08/27/02
6,503,704	Method, Reagent and Kit for Genotyping of Human Papillomavirus	01/07/03
6,554,987	Method and Apparatus for Alignment of Signals for Use in DNA Base-Calling	04/29/03

PATENT ASSIGNMENT

WHEREAS, VISIBLE GENETICS INC., a corporation incorporated under the laws of the Province of Ontario, Canada, having its principal office at 700 Bay Street, Suite 1000, Toronto Ontario, Canada M5G 1Z6 (hereinafter "ASSIGNOR"), is the owner of the United States patents and patent applications and other patents and patent applications listed on Schedules "A" through "T" hereto and any inventions covered thereby (hereinafter referred to as the "Patents"); and

WHEREAS, BAYER HEALTHCARE LLC, a limited liability corporation incorporated under the laws of the state of Delaware, having an office at 511 Benedict Avenue, Tarrytown New York, USA 10591 (hereinafter "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to the Patents;

NOW, THEREFORE, for the sum of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR by these presents does hereby sell, assign, transfer and set over unto ASSIGNEE, its successors and assigns, the entire right, title and interest in and to the Patents and in and to all international priority rights relating thereto throughout the world and in and to any continuations, divisions, reissues, reexaminations and extensions thereof along with any and all rights of enforcement with respect thereto including (without limitation) the right to sue for infringement thereof and for recovery of damages or royalties related thereto.

AND ASSIGNEE by its execution hereof hereby accepts the within sale, assignment, transfer and setting over.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks and any other official of any applicable patent office to issue Letters Patent on the Patents, as applicable, and on any and all divisions and continuations thereof, to ASSIGNEE, its successors, legal representatives and assigns, in accordance herewith.

Dated at Tarrytown, New York this 2003. day of

VISIBLE GENETICS INC.

By: Title:

Thomas G. Tithecott

Patent Assignment Schedule A

UNITED STATES PATENTS AND PATENT APPLICATIONS

ISSUED PATENTS

US	Title	Issue Date
Patent		
5,507,934	Apparatus for preparing gels for use in electrophoretic separations and similar applications	April 16, 1996
5,543,018	Method and apparatus for automated electrophoresis using light polarization detector	August 6, 1996
5,545,527	Method for testing for mutations in DNA from a patient sample	August 13, 1996
5,550,020	Method, reagents and kit for diagnosis and targeted screening for Retinoblastoma	August 27, 1996
5,552,283	Method, Reagents and Kit for Diagnosis and Targeted Screening for P53 Mutations	September 3, 1996
5,599,434	Electrophoresis Gels and Gel Holders Having Adhesive Affixed Fiber Spacers and Method of Making Same	February 4, 1997
5,618,398	Electrophoresis Gels and Gel Holders Having Fiber Spacers and Method of Making Same	April 8, 1997
5,627,022	Microgels for use in medical diagnosis and holders useful in fabricating same	May 6, 1997
5,710,628	Automated electrophoresis and fluorescence detection apparatus and method	January 20, 1998
5,712,476	Electrophoresis and fluorescence detection apparatus	January 27, 1998
5,776,737	Method and composition for internal identification of samples	July 7, 1998
5,776,767	Virtual DNA sequencer	July 7, 1998
5,786,142	Electrophoresis and fluorescence detection method	July 28, 1998
5,789,168	Method for amplification and sequencing of nucleic acid polymers	August 4, 1998
5,795,722	Method and kit for quantification and nucleic acid sequencing for nucleic acid analytes in a sample	August 18, 1998
5,830,657	Method for Single-tube Sequencing of nucleic acid polymers	November 3, 1998
5,834,189	Method for evaluation of polymorphic genetic sequences, and the use Thereof in identification of HLA Types	November 10, 1998
5,853,979	Method and system for DNA sequence determination and mutation detection with reference to a standard	December 29, 1998
5,885,431	Microgels for use in medical diagnosis and methods of making and using same	March 23, 1999
5,888,731	Method for identification of mutations using ligation	March 30, 1999

5,888,736	of multiple oligonucleotide probes	
	Mathad annuacitions and let for detection and	March 30, 1999
	Method compositions and kit for detection and identification of microorganisms	March 30, 1999
	Method and apparatus for thermal cycling and for	April 27, 1999
	automated sample preparation with thermal cycling	Apin 27, 1999
	Method and apparatus for automated electrophoresis	May 4, 1999
	using light polarization detector	1Vlay 4, 1999
	Method and kit for amplification, sequencing and	June 8, 1999
	typing of classical HLA class I genes	34,10 6, 1999
	Method and apparatus for alignment of signals for use	June 29, 1999
	in DNA base calling	23, 1333
	Method and Apparatus for DNA-Sequencing Using	November 9, 1999
· ·	Reduced Number of Sequencing Mixtures	
	Automated electrophoresis and fluorescence detection	December 21, 1999
	apparatus and method	, , , , , , , , , , , , , , , , , , , ,
	Apparatus for Preparing Gels for Use in	December 28, 1999
	Electrophoretic Separations and Similar Applications	
6,007,983	Method and Kit for Evaluation of HIV Mutations	December 28, 1999
6,013,436	Compositions and Methods for Diagnosis of Mutation	January 11, 2000
ļi	in the Von Hippel-Lindau Tumor Suppressor Gene	
6,014,213	High Dynamic Range Apparatus for Separation and	January 11, 2000
	Detection of Polynucleotide Fragments	
	Method and Apparatus for Improving Electrophoresis	February 15, 2000
	resolution	
· ·	Method for Identification of Mutations Using Ligation	February 15, 2000
	of Multiple Oligonucleotide Probes	
	Method, Reagent and Kit for Genotyping of Human	April 4, 2000
	Papillomavirus	105 0000
	Electrophoresis Gels and Gel Holders Having Fiber	April 25, 2000
	Spacers and Method of Making Same	Mary 16, 2000
· ·	Method for Diagnosis and Targeted Screening for	May 16, 2000
	Retinoblastoma	June 6, 2000
ľ	Method, reagents and kit for diagnosis and targeted screening for P53 mutations	Julie 0, 2000
	Method for Bi-directional Sequencing of Nucleic Acid	July 4, 2000
I	Polymers	July 4, 2000
	Nanofabricated Separation Matrix for Analysis of	August 29, 2000
	Biopolymers and Methods of Making and Using Same	114gust 25, 2000
	Gel-forming Insert for Electrophoresis Gels	August 29, 2000
	Gel-Forming Insert For Electrophoresis Gels	October 24, 2000
	Micro-electrophoresis Chip for Moving and	January 23, 2001
	Separating Nucleic Acids and Other Charged	, -,
i i	Molecules	
	Method, Compositions and Kit for detection	April 10, 2001
	Method and Kit for Direct Isothermal Sequencing of	May 1, 2001
	Nucleic Acids	

6,228,577	Method, Reagent and Kit for Genotyping of Human Papillomavirus	May 8, 2001
6,261,430	Micro- Electrophoresis Chip for Separating Nucleic Acids and Other Charged Molecules	July 17, 2001
6,265,152	Method and Kit for Evaluation of HIV Mutations	July 24, 2001
6,270,963	Method for Testing for Mutations in DNA From A Patient Sample	August 7, 2001
6,303,303	Method and system for DNA sequence determination and mutation detection	October 16, 2001
6,397,150	Method and apparatus for sequencing DNA using an internal calibrant	May 28, 2002
6,403,303	Method and reagents for testing for mutations in the BRCA1 gene	June 11, 2002
6,404,907	Method for sequencing nucleic acids with reduced errors	June 11, 2002
6,413,718	Method for sequencing of nucleic acid polymers	July 2, 2002
6,432,634	Method, Apparatus and Kits for Sequencing of Nucleic Acids Using Multiple Dyes	August 13, 2002
6,436,641	Method and Apparatus for DNA Sequencing	August 20, 2002
6,440,664	Method, Apparatus and Kits for Sequencing of Nucleic Acids Using Multiple Dyes	August 27, 2002
6,503,704	Method, reagent and kit for genotyping human papillomavirus	January 7, 2003

PATENT APPLICATIONS

Serial No.	Filing Date	Title
08/860,158	Jun 19/1997	Method and Composition for Internal Identification of Samples for Nucleic Acid Sequencing
09/907,001	Jul 16/2001	Micro- Electrophoresis Chip for Separating Nucleic Acids and Other Charged Molecules
10/217,615	August 12, 2002	Method, Apparatus and Kits for Sequencing of Nucleic Acids Using Multiple Dyes
09/147,916	Mar 23/1999	Method and Apparatus for Alignment of Signals for Use in Base Calling
10/032,924	Dec 26/2001	Method and Reagents for Testing for Mutations in the Brca1 Gene
09/818,182	Mar 27/2001	Method and Kit for Evaluation of HIV Mutations
09/065,748	Apr 24/1998	Method for Sequencing of Nucleic Acid Polymers
10/082,546	Feb 25/2002	Method and Kit for Quantification and Nucleic Acid Sequencing for Nucleic Acid Analytes in A Sample
09/786,105	Feb 26/2001	Method and kit for the characterization of antibiotic resistance mutations in Mycobacterium Tuberculosis
09/536,111	Mar 24/2000	Method for alignment of DNA sequences with enhanced accuracy and read length

09/802,110	Mar 07/2001	Method, Compositions and Kit for Detection of Microorganisms and bi- directional Sequencing of Nucleic Acid Polymers
09/565,249	May 05/2000	Nucleic Acid Sequencing With Simultaneous quantitation
08/766,189	Dec 12/1996	Method and Kit for HLA Class I Typing
10/212,710	Aug 8/2002	System and method for analyzing Resistance of a Pathogen to One or More Treatments
10/177,224	July 21, 2002	Method and apparatus for DNA sequencing
09/827,432	Apr 06/2001	Method and Apparatus for Alignment of DNA Sequencing Data Traces
09/652,331	Aug 31/2000	Electrophoresis Gel Cassette
PCT/US02/06632	Mar 5/2002	Method for Evaluating HIV-1 Mutations
10/295,964	November 15, 2002	Electrophoretic trace simulator

Patent Assignment Schedule B

AUSTRALIAN PATENTS AND PATENT APPLICATIONS

ISSUED PATENTS

Reg. No.	Title	Issue Date
690795	Method for testing for mutations in DNA From a patient sample	July 7, 1995
719685	Virtual DNA sequencer	August 31, 2000
691062	Microgels for medical diagnosis and methods of making and using same	August 20, 1998
695871	Apparatus for preparing gels for use in electrophoretic separations and similar applications	December 10, 1998
703564	Apparatus for preparing gels for use in electrophoretic separations and similar applications	March 25, 1999
700410	Method and system for DNA sequence determination and mutation detection	April 22, 1999
702083	Microelectrophoresis chip for moving and separating nucleic acids and other charged molecules	May 27, 1999
704962	Method for identification of mutations using ligation of multiple oligonucleotide probes.	May 13, 1999
710328	Electrophoresis gels and gel holders having fiber spacers and method of making same	January 20, 2000
705355	Electrophoresis gels and gel holders having adhesive affixed fiber spacers and method of making same	August 26, 1999
718670	Method for evaluation of polymorphic genetic sequences, and the use thereof in identification of HLA types	August 3, 2000
698921	Nanofabricated separation matrix for analysis of biopolymers and methods of making and using same.	February 25, 1999

PATENT APPLICATIONS

Application No.	Filing Date	Title
93493/98	Sep 28/1998	Method and kit for evaluation of HIV mutations
57935/00	Sep 13/2000	Method and kit for evaluation of HIV mutations

Patent Assignment Schedule C

UNITED KINGDOM PATENTS AND PATENT APPLICATIONS

PATENT APPLICATIONS

Appl. No.	Filing Date	Title
95943490.3	Not	Method for testing for mutations in DNA from a patient sample
	available	
0023049.0	September	Method and kit for evaluation of HIV mutations
	20, 2000	
2377272A	April 12,	Method and apparatus for DNA sequencing
	2001	

ISSUED PATENTS

Reg. No.	Title	Issue Date
2304411B	Method reagents and kit for diagnosis and targeted screening for Retinoblastoma	February 10, 1999
2311370B	Provision of internal identification to a sample comprising a target nucleic acid, prior to sequence analysis	December 2, 1998

Patent Assignment Schedule D

EUROPEAN PATENT OFFICE PATENTS AND PATENT APPLICATIONS

ISSUED PATENTS

Reg. No.	Title	Issue Date
0789841B1	Apparatus for Preparing Gels for Use in Electrophoretic	May 3, 2000
	Separations and Similar Applications	
0835442B1	Method and System for DNA Sequence Determination and	March 10, 1999
	Mutation Detection	
0847449B1	Method for Identification of Mutations Using Ligation of	May 17, 2000
	Multiple Oligonucleotide Probes.	
0870059B1	Method for Evaluation of Polymorphic Genetic Sequences,	April 17, 2002
	and the Use Thereof in Identification of HLA Types	
0896632B1	Method Compositions and Kit for Detection and	June 26, 2002
	Identification of Microorganisms	

PATENT APPLICATIONS

App. No.	Filing Date	Title
95943490.3	July 7, 1995	Method for testing for mutations in DNA from a patient sample
96940962.2	December 12,1996	Virtual DNA sequencer
95939836.3	October 31, 1995	Microgels for use in medical diagnosis and methods of making and using same
95926644.6	July 7,1995	Method, reagents and kit for diagnosis and targeted screening for P53 Mutations
95943037.2	December 12, 1995	Automated electrophoresis and fluorescence detection apparatus
96921542.5	June 7, 1996	Micro-electrophoresis Chip for Moving and Separating Nucleic Acids and Other Charged Molecules
96940960.6	May 29, 1998	Electrophoresis Gels and Gel Holders Having Fiber Spacers and Method of Making Same
00201823.2	December 12, 1996	Electrophoresis Gels and Gels Holders Having Fiber Spacers and Methods of Making Same
97922519.0	April 29,1997	Method for amplification and sequencing of nucleic acid
97922520.8	April 29,1997	Method for Single-Tube Sequencing of Nucleic Acid Polymers
98910 551.5	March 18, 1998	Method and kit for quantification and nucleic acid sequencing for nucleic acid analytes in a sample
98910550-7	March 18,1998	High Dynamic Range Apparatus for Separation and Detection of Polynucleotide Fragments
98944941.8	September 28,1998	Method and Evaluation of HIV Mutations
98947253.5	October 9, 1998	Method and Kit for amplification, sequencing and typing of Classical HLA Class I Genes
99955301.9	November 16, 2000	Method, reagent and kit for genotyping of human Papillomavirus
99926212.4	June 25, 1999	Method for Sequencing nucleic acids with reduced errors

99957813.1	June 20, 2001	Method and Kit for the characterization of antibiotic resistance mutations in mycobacterium tuberculosis
1280935	April 12, 2001	Method and apparatus for DNA sequencing

Patent Assignment Schedule E

GERMAN PATENTS AND PATENT APPLICATIONS

ISSUED PATENTS

Reg. No.	Title	Issue Date
69516714	Apparatus for preparing gels for use in electrophoretic	July 6, 2001
•	separations and similar applications	

PATENT APPLICATIONS

Filing Date	Title
Not available	Method for Testing for Mutations in DNA From A Patient Sample
December14,	Method and Composition for Internal Identification of Samples for
1995	Nucleic Acid Sequencing
June 28,	Method and System for DNA Sequence Determination and Mutation
1996	Detection
May 24,	Determination of Nucleic Acid Sequences and Diagnostic Applications
2002	Thereof
April 20,	Method for Sequencing Nucleic Acid Polymers
	Not available December14, 1995 June 28, 1996 May 24, 2002

Patent Assignment Schedule F

CHINESE PATENTS

Reg. No.	Title	Issue Date
ZL 95195939.5	Microgels for use in medical diagnosis and	December 10, 1999
	methods of making and using same]

Patent Assignment Schedule G

JAPANESE PATENT APPLICATIONS

Application	Filing Date	Title	
No.	T-1 07/1005	Mathed for recting for myreticae in DNA from a patient comple	
8-506838	Jul 07/1995	Method for testing for mutations in DNA from a patient sample	
8-514875	Oct 31/1995	Microgels for Medical Diagnosis and Methods of Making and Using Same	
514781/96	Oct 31/1995	Apparatus for Preparing Gels for Use in Electrophoretic Separations and Similar Applications	
519158/96	Dec 12/1995	Automated electrophoresis and fluorescence detection apparatus	
505254/97	Jun 28/1996	Method and System for DNA Sequence Determination and Mutation Detection	
50327 4/9 7	Jun 07/1996	Micro-electrophoresis chip for moving and separating nucleic acids and other charged molecules	
510612/97	Aug 26/1996	Method for Identification of Mutations Using Ligation of Multiple Oligonucleotide Probes.	
09-521569	Dec 12/1996	Electrophoresis Gels and Gel Holders Having Fiber Spacers and Method of Making Same	
09-521570	Dec 12/1996	Electrophoresis Gels and Gel Holders Having Adhesive Affixed Fiber Spacers and Method of Making Same	
523796/97	Dec 19/1996	Method for evaluation of polymorphic genetic sequences, and the use thereof in identification of HLA types	
503252/97	Jun 07/1996	Nanofabricated Separation Matrix for Analysis of Biopolymers and Methods of Making and Using Same.	
2000-513978	Маг 24/2000	Method and Kit for Evaluation of HIV Mutations	
2000-516060	Apr 10/2000	Method and kit for amplification, sequencing and typing of classical HLA class I genes	
2000-552310	Nov 27/2000	Method, reagent and kit for genotyping of human Papillomavirus	
2000-588389	Jun 15/2001	Method and Kit for the characterization of antibiotic-resistance mutations in Mycobacterium Tuberculosis	

Patent Assignment Schedule H

FRENCH PATENT APPLICATIONS

Application No.	Filing Date	Title
0012980	October 11, 2000	Method and Kit for Evaluation of HIV Mutation
9905162	April 23,1999	Method for Sequencing of Nucleic Acid Polymers

Patent Assignment Schedule I

CANADIAN PATENT APPLICATIONS

Appl. No.	Filing Date	<u>Title</u>
2,191,233	July 7/1995	Method for testing for mutations in DNA from a patient sample
2,194,696	July 7/1995	Method for Diagnosis and Targeted Screening for Retinoblastoma
2,240,378	Dec	Virtual DNA Sequencer
	12/1996	
2,202,914	Oct	Microgels for Medical Diagnosis and Methods of Making and Using
	31/1995	Same
2,194,697	July 7/1995	Method, Reagents and Kit for Diagnosis and Targeted Screening for
		P53 Mutations
2,207,488	December	Automated Electrophoresis and Fluorescence Detection Apparatus
	12/1995	
2,225,385	Jun	Method and System for DNA Sequence Determination and Mutation
0.000.000	28/1996	Detection
2,222,628	June 7,	Micro-electrophoresis Chip for Moving and Separating Nucleic Acids
0.000.000	1996	and Other Charged Molecules
2,239,988	December	Electrophoresis Gels and Gel Holders Having Fiber Spacers and
2 220 082	12, 1996	Method of Making Same
2,239,982	December	Electrophoresis Gels and Gel Holders Having Adhesive Affixed Fiber
2,239,896	12, 1996	Spacers and Method of Making Same
2,239,890	December 19, 1996	Method for evaluation of polymorphic genetic sequences, and the use thereof in identification of HLA types
2,253,278	Apr	Method for amplification and sequencing of nucleic acid
4,233,210	29/1997	Wethor for amprineation and sequeneing of nucleic acid
2,251,809	April 16,	Method, Apparatus and Kits for Sequencing of Nucleic Acids Using
_,,	1997	Multiple Dyes.
2,259,314	June 26,	Method and Apparatus for Alignment of Signals for Use in Base
	1997	Calling
2,252,588	April 29,	Method for single-tube sequencing of nucleic acid polymers
	1997	
2,252,487	April 29,	Method Compositions and Kit for Detection and Identification of
	1997	Microorganisms
2,284,888	March 18,	High Dynamic Range Apparatus for Separation and Detection of
	1998	Polynucleotide Fragments
2,302,201	September	Method and kit for evaluation of HIV mutations
	28, 1998	
2,317,789	September	Method and kit for evaluation of HIV mutations
	14, 2000	
2,302,810	October 09,	Method and Kit for Amplification, Sequencing and Typing of
0.001.0=1	1998	Classical HLA Class I Genes
2,324,978	May 27,	Method, reagent and kit for genotyping of human Papillomavirus

	1999	
2,266,755	March 25, 1999	Method for sequencing of nucleic acid polymers
2,321,821	June 25, 1999	Method for sequencing nucleic acids with reduced errors
2,354,234	December 10, 1999	Method and Kit for the Characterization of Antibiotic Resistance Mutations In Mycobacterium Tuberculosis
2,373,044	May 8, 2000	Nucleic acid sequencing with simultaneous quantitation
2,406,618	April 12, 2001	Method and apparatus for DNA sequencing

PATENT REEL: 014499 FRAME: 0700

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