

PATENT ASSIGNMENT

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Isis Pharmaceuticals, Inc.	08/14/2007

RECEIVING PARTY DATA

Name:	Ibis Biosciences, Inc.
Street Address:	1896 Rutherford Road
City:	Carlsbad
State/Country:	CALIFORNIA
Postal Code:	92008

PROPERTY NUMBERS Total: 10

Property Type	Number
Application Number:	09798007
Application Number:	10319290
Application Number:	10318881
Application Number:	10319342
Application Number:	10318463
Application Number:	10435307
Application Number:	10430253
Application Number:	11233630
Application Number:	11331978
Application Number:	11331987

CORRESPONDENCE DATA

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PATENT

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REEL: 019691 FRAME: 0371

CH \$400.00 09798007

Correspondent Name: Ibis Biosciences, Inc.
Address Line 1: 1896 Rutherford Road
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ATTORNEY DOCKET NUMBER:

IBIS ASSIGNMENT

NAME OF SUBMITTER:

Laura Eames

Total Attachments: 19

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ASSIGNMENT

WHEREAS, Isis Pharmaceuticals, Inc. a Delaware corporation having its principal office at 1896 Rutherford Road, Carlsbad, California 92008 (hereinafter referred to as the "Assignor") is the assignee of record of the inventions listed in "Table A"; and

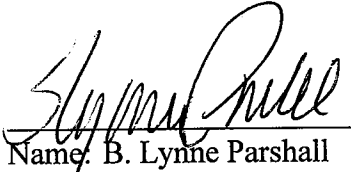
WHEREAS, Ibis Biosciences, Inc., a Delaware corporation having its principal office at 1896 Rutherford Road, Carlsbad, California 92008 (hereinafter referred to as the "Assignee") desires to acquire the entire interest in the same;

NOW, THEREFORE, for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor, hereby does assign and transfer unto Assignee, the entire right, title and interest in and to the patents and the applications listed in "Table A" throughout the world, including, without limitation, any letters patent which may issue thereon, and any subsequent application claiming priority to the above-identified application under reissue, reexamination, division, continuation-in-part, extension or continuation thereof and all rights of priority under international conventions arising from said applications; the same for its legal representatives and assigns, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made;

AND, Assignor hereby binds itself, legal representatives, employees, successors and assigns to properly execute, without further consideration other than in reimbursement of directly related, reasonable expenses, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to perfect title in the patents and applications and carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid Assignee, its legal representatives, successors and assigns, to obtain and enforce proper protection for the inventions in all countries throughout the world, including to communicate to Assignee, its representatives or agents, any facts relating to the inventions, the patents or applications, including evidence for purposes of interference, opposition or other legal proceedings, whenever requested; testify in any interference, opposition or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

Assignor hereby authorizes and requests the issuing authority to record this assignment of the patents and applications in "Table A" and to issue any and all patents on said applications to Assignee, as assignee of the entire interest in the such patents.

IN WITNESS WHEREOF, I have executed this Assignment on the date shown below on behalf of Isis Pharmaceuticals, Inc.

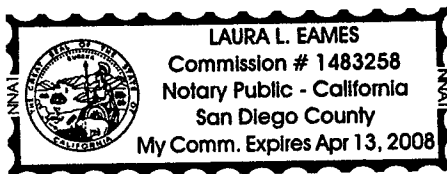

Name: B. Lynne Parshall

Title: Chief Financial Officer and Executive Vice President

Address: Isis Pharmaceuticals, Inc.
1896 Rutherford Road
Carlsbad, California 92008

August 14, 2007
DATE

On this 14th day of August, 2007, before me, the undersigned, a Notary Public for the state, personally appeared B. Lynne Parshall, personally known to me/proved to me on the basis of satisfactory evidence to be the person who subscribed the foregoing Assignment and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the Assignment the person, or the entity on behalf of which the person acted, executed the Assignment.



[SEAL]

WITNESS my hand and official seal.


Signature of Notary

Table A

Docket Number	Country	Serial Number	Filing Date	Patent Number	Title
DIBIS-0002AU	Australia	2002244250	3/4/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002AU3	Australia	2003298030	12/5/2003		METHOD FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS
DIBIS-0002AU5	Australia	2003302236	12/5/2003		METHOD FOR RAPID FORENSIC ANALYSIS OF MITOCHONDRIAL DNA AND CHARACTERIZATION OF MITOCHONDRIAL DNA HETEROPLASMY
DIBIS-0002CA	Canada	2439655	3/4/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002CA3	Canada	2508584	12/5/2003		METHOD FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS
DIBIS-0002CA5	Canada	2510007	12/5/2003		METHOD FOR RAPID FORENSIC ANALYSIS OF MITOCHONDRIAL DNA AND CHARACTERIZATION OF MITOCHONDRIAL DNA HETEROPLASMY
DIBIS-0002CN	China	2809122.1	3/4/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002EP	European Patent Convention	2709785.6	3/4/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002EP3	European Patent Convention	3796752.8	12/5/2003		METHOD FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS
DIBIS-0002EP5	European Patent Convention	3810055.8	12/5/2003		METHOD FOR RAPID FORENSIC ANALYSIS OF MITOCHONDRIAL DNA AND CHARACTERIZATION OF MITOCHONDRIAL DNA HETEROPLASMY
DIBIS-0002IL	Israel	157661	3/4/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002IN	India	1136/KOLNP/2003	3/4/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002JP	Japan	2002-570692	3/4/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002JP3	Japan	2005-508488	12/5/2003		METHOD FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS
DIBIS-0002MX	Mexico	PA/A/2003/007927	3/4/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002NZ	New Zealand	527857	3/4/2002	527857	METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002PH	Philippines	1-2003-500824	3/4/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002RU	Russian Federation	2003129269	3/4/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002SG	Singapore	200304628-1	3/4/2002	98824	METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002US	United States	09/798,007	3/2/2001		METHOD FOR DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002US.C1	United States	10/319,290	12/13/2002		METHOD FOR DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002US.C2	United States	10/318,881	12/13/2002		METHOD FOR DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002US.C3	United States	10/319,342	12/13/2002		METHOD FOR DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002US.C4	United States	10/318,463	12/13/2002		METHOD FOR DETECTION AND IDENTIFICATION OF BIOAGENTS

Table A

Docket Number	Country	Serial Number	Filing Date	Patent Number	Title
DIBIS-0002US.C5	United States	10/435,307	5/9/2003		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002US.C6	United States	10/430,253	5/6/2003		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002US.C7	United States	11/233,630	9/23/2005		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002US.C8	United States	11/331,978	1/13/2006		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002US.C9	United States	11/331,987	1/13/2006		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002US.D1	United States	10/156,608	5/24/2002	7108974	METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002US.P1	United States	10/326,047	12/18/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS FOR ENVIRONMENTAL TESTING
DIBIS-0002US.P2	United States	10/660,997	9/12/2003		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS IN EPIDEMIOLOGICAL AND FORENSIC INVESTIGATIONS
DIBIS-0002US.P3	United States	10/660,122	9/11/2003		METHOD FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS
DIBIS-0002US.P4	United States	10/660,996	9/12/2003		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS FOR ENVIRONMENTAL AND PRODUCT TESTING
DIBIS-0002US.P5	United States	10/660,998	9/12/2003		METHOD FOR RAPID FORENSIC ANALYSIS OF MITOCHONDRIAL DNA AND CHARACTERIZATION OF MITOCHONDRIAL DNA HETEROPLASMY
DIBIS-0002USC10	United States	11/682,259	3/5/2007		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS IN EPIDEMIOLOGICAL AND FORENSIC INVESTIGATIONS
DIBIS-0002WO	Patent Cooperation Treaty	PCT/US02/06763	3/4/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0002WO2	Patent Cooperation Treaty	PCT/US03/38795	12/5/2003		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS IN EPIDEMIOLOGICAL AND FORENSIC INVESTIGATIONS
DIBIS-0002WO3	Patent Cooperation Treaty	PCT/US03/38830	12/5/2003		METHOD FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS
DIBIS-0002WO4	Patent Cooperation Treaty	PCT/US03/38757	12/5/2003		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS FOR ENVIRONMENTAL AND PRODUCT TESTING
DIBIS-0002WO5	Patent Cooperation Treaty	PCT/US03/38505	12/5/2003		METHOD FOR RAPID FORENSIC ANALYSIS OF MITOCHONDRIAL DNA AND CHARACTERIZATION OF MITOCHONDRIAL DNA HETEROPLASMY
DIBIS-0002ZA	South Africa	2003/6810	3/4/2002	2003/6810	METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0003US	United States	09/891,793	6/26/2001		METHODS FOR PROVIDING BACTERIAL BIOAGENT CHARACTERIZING INFORMATION

Table A

Docket Number	Country	Serial Number	Filing Date	Patent Number	Title
DIBIS-0003US.C1	United States	10/439,690	5/16/2003		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT THEREBY
DIBIS-0003US.C2	United States	10/439,706	5/16/2003		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT THEREBY
DIBIS-0003US.C3	United States	11/674,538	2/13/2007		SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT THEREBY
DIBIS-0003US.D1	United States	10/340,321	1/10/2003		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT THEREBY
DIBIS-0003US.D2	United States	10/340,482	1/10/2003		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT THEREBY
DIBIS-0003US.D3	United States	10/340,461	1/10/2003		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT THEREBY
DIBIS-0003US.D4	United States	10/340,483	1/10/2003		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT THEREBY
DIBIS-0003US.P1	United States	10/323,210	12/18/2002		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT FOR ENVIRONMENTAL TESTING THEREBY
DIBIS-0003US.P2	United States	10/754,415	1/9/2004		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT THEREBY
DIBIS-0003WO	Patent Cooperation Treaty	PCT/US02/20336	6/26/2002		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT THEREBY
DIBIS-0003WO2	Patent Cooperation Treaty	PCT/US2005/000386	1/7/2005		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT THEREBY

Table A

Docket Number	Country	Serial Number	Filing Date	Patent Number	Title
DIBIS-0004US.L	United States	60/369,405	4/1/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS
DIBIS-0004WO	Patent Cooperation Treaty	PCT/US03/009802	3/31/2003		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF VIRAL BIOAGENTS
DIBIS-0005US.L	United States	60/397,365	7/19/2002		METHODS FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS USingapore A MICROFLUIDICS CHIP
DIBIS-0005USA	United States	10/521,662	1/18/2005		METHODS FOR MASS SPECTROMETRY ANALYSIS UTILIZING AN INTEGRATED MICROFLUIDICS SAMPLE PLATFORM
DIBIS-0005WO	Patent Cooperation Treaty	PCT/US03/22835	7/21/2003		METHODS FOR MASS SPECTROMETRY ANALYSIS UTILIZING AN INTEGRATED MICROFLUIDICS SAMPLE PLATFORM
DIBIS-0006US.L	United States	60/398,246	7/24/2002		METHOD FOR DETERMINATION OF BASE COMPOSITION OF OLIGONUCLEOTIDES FROM ISOTOPICALLY RESOLVED MASS SPECTRA
DIBIS-0007US.L	United States	60/401,584	8/6/2002		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT THEREBY
DIBIS-0008US.L	United States	60/415,786	10/2/2002		PROPYNE MODIFIED AMPLIFICATION PRIMERS
DIBIS-0009US.L	United States	60/431,319	12/6/2002		UNIVERSAL PATHOGEN DIAGNOSTICS IN HUMANS
DIBIS-0010US.L	United States	60/433,197	12/12/2002		METHOD FOR DETERMINATION OF BASE COMPOSITION OF OLIGONUCLEOTIDE FROM ISOTOPICALLY RESOLVED MASS SPECTRA
DIBIS-0011US.L	United States	60/433,499	12/12/2002		APPLICATIONS OF TIGER TECHNOLOGY TO GENOTYPING: CHARACTERIZATION OF SNPS, VNTRS AND CDNAS
DIBIS-0012AU	Australia	2003297687	12/5/2003		METHODS FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS
DIBIS-0012CA	Canada	2508726	12/5/2003		METHODS FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS
DIBIS-0012EP	European Patent Convention	3814656.9	12/5/2003		METHODS FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS
DIBIS-0012JP	Japan	2005-508560	12/5/2003		METHODS FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS
DIBIS-0012US	United States	10/323,233	12/18/2002		METHODS FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS IN BLOOD, BODILY FLUIDS, AND BODILY TISSUES
DIBIS-0012US.P1	United States	10/728,486	12/5/2003		METHODS FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS
DIBIS-0012WO	Patent Cooperation Treaty	PCT/US03/38761	12/5/2003		METHODS FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS

Table A

Docket Number	Country	Serial Number	Filing Date	Patent Number	Title
DIBIS-0013US	United States	10/323,438	12/18/2002		METHODS FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS IN FORENSIC STUDIES
DIBIS-0014US	United States	10/323,186	12/18/2002		METHODS FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS IN FOOD PRODUCTS AND COSMETICS
DIBIS-0015US	United States	10/326,642	12/18/2002		METHODS FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS IN CONTAINERS
DIBIS-0015US.C1	United States	10/808,932	3/25/2004		METHODS FOR RAPID DETECTION AND IDENTIFICATION OF BACTERIAL BIOAGENTS
DIBIS-0015US.C2	United States	10/814,754	3/31/2004		METHODS FOR RAPID DETECTION AND IDENTIFICATION OF VIRAL BIOAGENTS
DIBIS-0016US	United States	10/326,051	12/18/2002		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS IN ORGANS FOR TRANSPLANTATION
DIBIS-0017US	United States	10/325,527	12/18/2002		METHODS FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS ASSOCIATED WITH HOST VERSUS GRAFT AND GRAFT VERSUS HOST REJECTIONS
DIBIS-0018US	United States	10/325,526	12/18/2002		METHODS FOR RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS IN LIVESTOCK
DIBIS-0019US	United States	10/326,050	12/18/2002		METHODS FOR RAPID DETECTION AND IDENTIFICATION OF THE ABSENCE OF BIOAGENTS
DIBIS-0020US	United States	10/323,211	12/18/2002		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT IN BLOOD, BODILY FLUIDS, AND BODILY TISSUES THEREBY
DIBIS-0021US	United States	10/326,643	12/18/2002		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT IN FORENSIC STUDIES THEREBY
DIBIS-0022US	United States	10/326,046	12/18/2002		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT IN FOOD PRODUCTS AND COSMETICS THEREBY
DIBIS-0023US	United States	10/326,644	12/18/2002		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT IN CONTAINERS THEREBY

Table A

Docket Number	Country	Serial Number	Filing Date	Patent Number	Title
DIBIS-0025US	United States	10/326,641	12/18/2002		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT ASSOCIATED WITH HOST VERSUS GRAFT AND GRAFT VERSUS HOST REJECTIONS THEREBY
DIBIS-0026US	United States	10/324,721	12/18/2002		A SECONDARY STRUCTURE DEFINING DATABASE AND METHODS FOR DETERMINING IDENTITY AND GEOGRAPHIC ORIGIN OF AN UNKNOWN BIOAGENT IN LIVESTOCK THEREBY
DIBIS-0027US.L	United States	60/443,443	1/29/2003		BACTERIAL SPECIES DIFFERENTIATION
DIBIS-0028US.L	United States	60/443,788	1/30/2003		AIR SAMPLE DETECTION OF UNKNOWN PATHOGENS
DIBIS-0029US.L	United States	60/447,529	2/14/2003		RAPID METHODS OF SCANNING A BODY FOR INFECTIOUS AGENTS
DIBIS-0030US	United States	10/796,867	3/9/2004		METHODS OF DETECTION AND NOTIFICATION OF BIOAGENT CONTAMINATION
DIBIS-0030US.L	United States	60/453,607	3/10/2003		METHODS OF DETECTION AND NOTIFICATION OF BIOAGENT CONTAMINATION
DIBIS-0030WO	Patent Cooperation Treaty	PCT/US2004/007236	3/10/2004		METHODS OF DETECTION AND NOTIFICATION OF BIOAGENT CONTAMINATION
DIBIS-0031US.L	United States	60/454,165	3/12/2003		METHODS FOR DETECTING BIOAGENTS IN WATER TOWERS AND METHODS FOR PROVIDING INFORMATION REGARDING BIOAGENT STATUS
DIBIS-0032US.L	United States	60/461,494	4/9/2003		METHODS FOR TRACKING TERRORIST TRAVELS BY RAPID DETECTION AND IDENTIFICATION OF BIOAGENTS ASSOCIATED THEREWITH
DIBIS-0033US.L	United States	60/461,449	4/9/2003		MATRIX ASSISTED LASER DESORPTION IONIZATION (MALDI) WITH A HOLLOW FIBER WAVEGUIDE
DIBIS-0035US	United States	10/418,514	4/18/2003		METHODS AND APPARATUS FOR GENETIC EVALUATION
DIBIS-0035US	United States	10/418,514	4/18/2003		METHODS AND APPARATUS FOR GENETIC EVALUATION
DIBIS-0035WO	Patent Cooperation Treaty	PCT/US2004/011877	4/16/2004		METHODS AND APPARATUS FOR GENETIC EVALUATION
DIBIS-0036US.L	United States	60/466,009	4/26/2003		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF VIRAL BIOAGENTS (as amended)
DIBIS-0037US.L	United States	60/467,768	5/2/2003		METHOD FOR RAPID DETECTION AND IDENTIFICATION OF VIRAL BIOAGENTS IN DIAGNOSIS OF ETIOLOGY OF SARS
DIBIS-0038US.L	United States	60/468,743	5/7/2003		SIMULTANEOUS PARALLEL DETECTION OF SARS AND OTHER CORONA VIRUS SPECIES
DIBIS-0039US	United States	10/845,052	5/12/2004		AUTOMATIC IDENTIFICATION OF BIOAGENTS
DIBIS-0039US.L	United States	60/470,175	5/12/2003		INSTRUMENT FOR IDENTIFYING UNKNOWN BIOAGENTS

Table A

Docket Number	Country	Serial Number	Filing Date	Patent Number	Title
DIBIS-0039WO	Patent Cooperation Treaty	PCT/US2004/015123	5/12/2004		AUTOMATIC IDENTIFICATION OF BIOAGENTS
DIBIS-0040US.L	United States	60/469,972	5/13/2003		PROPYNE MODIFIED PRIMERS IN THE IDENTIFICATION OF UNKNOWN BIOAGENTS
DIBIS-0041AU	Australia	2004239340	5/13/2004		METHODS FOR RAPID PURIFICATION OF NUCLEIC ACIDS FOR SUBSEQUENT ANALYSIS BY MASS SPECTROMETRY BY SOLUTION CAPTURE
DIBIS-0041CA	Canada	2525498	5/13/2004		METHODS FOR RAPID PURIFICATION OF NUCLEIC ACIDS FOR SUBSEQUENT ANALYSIS BY MASS SPECTROMETRY BY SOLUTION CAPTURE
DIBIS-0041CN	China	2.0048E+11	5/13/2004		METHODS FOR RAPID PURIFICATION OF NUCLEIC ACIDS FOR SUBSEQUENT ANALYSIS BY MASS SPECTROMETRY BY SOLUTION CAPTURE
DIBIS-0041EP	European Patent Convention	4752257.8	5/13/2004		METHODS FOR RAPID PURIFICATION OF NUCLEIC ACIDS FOR SUBSEQUENT ANALYSIS BY MASS SPECTROMETRY BY SOLUTION CAPTURE
DIBIS-0041JP	Japan	2006-533082	5/13/2004		METHODS FOR RAPID PURIFICATION OF NUCLEIC ACIDS FOR SUBSEQUENT ANALYSIS BY MASS SPECTROMETRY BY SOLUTION CAPTURE
DIBIS-0041KR	South Korea	10-2005-7021495	5/13/2004		METHODS FOR RAPID PURIFICATION OF NUCLEIC ACIDS FOR SUBSEQUENT ANALYSIS BY MASS SPECTROMETRY BY SOLUTION CAPTURE
DIBIS-0041US	United States	10/844,122	5/12/2004		METHODS FOR RAPID PURIFICATIONS OF NUCLEIC ACIDS FOR SUBSEQUENT ANALYSIS BY MASS SPECTROMETRY BY SOLUTION CAPTURE
DIBIS-0041US.L	United States	60/470,547	5/13/2003		SAMPLE PREPARATION OF PCR PRODUCTS
DIBIS-0041US2	United States	10/844,938	5/12/2004		METHOD FOR RAPID PURIFICATION OF NUCLEIC ACIDS FOR SUBSEQUENT ANALYSIS BY MASS SPECTROMETRY BY SOLUTION CAPTURE
DIBIS-0041US2P1	United States	10/943,344	9/17/2004		METHOD FOR RAPID PURIFICATION OF NUCLEIC ACIDS FOR SUBSEQUENT ANALYSIS BY MASS SPECTROMETRY BY SOLUTION CAPTURE
DIBIS-0041WO	Patent Cooperation Treaty	PCT/US2004/015196	5/13/2004		METHODS FOR RAPID PURIFICATION OF NUCLEIC ACIDS FOR SUBSEQUENT ANALYSIS BY MASS SPECTROMETRY BY SOLUTION CAPTURE
DIBIS-0041WO2	Patent Cooperation Treaty	PCT/US2005/033707	9/19/2005		METHOD FOR RAPID PURIFICATION OF NUCLEIC ACIDS FOR SUBSEQUENT ANALYSIS BY MASS SPECTROMETRY BY SOLUTION CAPTURE
DIBIS-0042US.L	United States	60/472,237	5/20/2003		METHOD FOR PHYLOGENETIC ANALYSIS

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Docket Number	Country	Serial Number	Filing Date	Patent Number	Title
DIBIS-0043US.L	United States	60/500,729	9/4/2003		WHOLE GENOME AMPLIFICATION OF MINUSCULE TRACES OF HUMAN DNA BY MULTIPLE DISPLACEMENT AMPLIFICATION
DIBIS-0044US.L	United States	60/501,926	9/11/2003		METHODS FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS
DIBIS-0049US.L	United States	60/509,978	10/8/2003		WHOLE GENOME AMPLIFICATION
DIBIS-0050US	United States	10/964,571	10/12/2004		DATABASE FOR MICROBIAL INVESTIGATIONS
DIBIS-0050US.L	United States	60/509,911	10/9/2003		DATABASE FOR MICROBIAL INVESTIGATIONS
DIBIS-0050WO	Patent Cooperation Treaty	PCT/US2004/033742	10/12/2004		DATABASE FOR MICROBIAL INVESTIGATIONS
DIBIS-0051US.L	United States	60/542,510	2/6/2004		METHOD FOR IDENTIFICATION OF CORONA VIRUSES
DIBIS-0052US	United States	11/059,776	2/17/2005		METHODS FOR CONCURRENT IDENTIFICATION AND QUANTIFICATION OF AN UNKNOWN BIOAGENT
DIBIS-0052US.L	United States	60/545,425	2/18/2004		METHOD OF QUANTIFICATION OF BIOAGENTS IN A SAMPLE
DIBIS-0052WO	Patent Cooperation Treaty	PCT/US2005/005168	2/18/2005		METHODS FOR CONCURRENT IDENTIFICATION AND QUANTIFICATION OF AN UNKNOWN BIOAGENT
DIBIS-0053US.L	United States	60/548,428	2/25/2004		SYSTEM AND METHOD FOR RAPID THROUGHPUT PURIFICATION OF AN AMPLIFIED NUCLEIC ACID MIXTURE
DIBIS-0054US.L	United States	60/550,023	3/3/2004		METHOD FOR IDENTIFICATION OF ADVENTITIOUS VIRAL AGENTS IN CELL SUBSTRATES
DIBIS-0054US1	United States	11/070,632	3/2/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF ALPHAVIRUSES
DIBIS-0054WO	Patent Cooperation Treaty	PCT/US2005/007404	3/3/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF ALPHAVIRUSES
DIBIS-0055US	United States	10/807,019	3/23/2004		METHODS FOR RAPID FORENSIC ANALYSIS OF MITOCHONDRIAL DNA
DIBIS-0056CA	Canada	2560946	3/22/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF VIRAL HEMORRHAGIC FEVER VIRUSES
DIBIS-0056EP	European Patent Convention	5751872.2	3/22/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF VIRAL HEMORRHAGIC FEVER VIRUSES
DIBIS-0056JP	Japan	TBD	3/22/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF VIRAL HEMORRHAGIC FEVER VIRUSES
DIBIS-0056US.L	United States	60/555,520	3/22/2004		METHOD OF IDENTIFICATION OF VIRUSES THAT CAUSE VIRAL HEMORRHAGIC FEVERS
DIBIS-0056US1	United States	11/085,320	3/21/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF VIRAL HEMORRHAGIC FEVER VIRUSES
DIBIS-0056WO	Patent Cooperation Treaty	PCT/US2005/009557	3/22/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF VIRAL HEMORRHAGIC FEVER VIRUSES

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DIBIS-0057AU	Australia	2005322640	2/18/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF UNKNOWN BACTERIA
DIBIS-0057EP	European Patent Convention	5856582.1	2/18/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF UNKNOWN BACTERIA
DIBIS-0057JP	Japan	TBD	2/18/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF UNKNOWN BACTERIA
DIBIS-0057US.L	United States	60/559,754	4/5/2004		COMPOSITIONS FOR USE IN IDENTIFICATION OF UNKNOWN BACTERIA
DIBIS-0057US1	United States	11/060,135	2/17/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0057WO1	Patent Cooperation Treaty	PCT/US2005/005356	2/18/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0057WO2	Patent Cooperation Treaty	PCT/US2005/006133	2/18/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF UNKNOWN BACTERIA
DIBIS-0058AU	Australia	2004248107	4/23/2004		METHODS FOR IDENTIFICATION OF CORONAVIRUSES
DIBIS-0058CA	Canada	2521508	4/23/2004		METHODS FOR IDENTIFICATION OF CORONAVIRUSES
DIBIS-0058EP	European Patent Convention	4775904.8	4/23/2004		METHODS FOR IDENTIFICATION OF CORONAVIRUSES
DIBIS-0058JP	Japan	2006-532460	4/23/2004		METHODS FOR IDENTIFICATION OF CORONAVIRUSES
DIBIS-0058JP	Japan	2006-532460	4/23/2004		METHODS FOR IDENTIFICATION OF CORONAVIRUSES
DIBIS-0058SG	Singapore	200506282-3	4/23/2004		METHODS FOR IDENTIFICATION OF CORONAVIRUSES
DIBIS-0058SG.D1	Singapore	200600545-8	4/23/2004		METHODS FOR IDENTIFICATION OF CORONAVIRUSES
DIBIS-0058US	United States	10/829,826	4/22/2004		METHODS FOR IDENTIFICATION OF CORONAVIRUSES
DIBIS-0058WO	Patent Cooperation Treaty	PCT/US2004/012671	4/23/2004		METHODS FOR IDENTIFICATION OF CORONAVIRUSES
DIBIS-0059CA	Canada	TBD	5/24/2005		MASS SPECTROMETRY WITH SELECTIVE ION FILTRATION BY DIGITAL THRESHOLDING
DIBIS-0059US	United States	11/136,134	5/24/2005		MASS SPECTROMETRY WITH SELECTIVE ION FILTRATION BY DIGITAL THRESHOLDING
DIBIS-0059US.L	United States	60/574,042	5/24/2004		METHOD FOR CHEMICAL NOISE REDUCTION OF ESI-TOF MASS SPECTRA OF MULTIPLY CHARGED ANALYTES
DIBIS-0059WO	Patent Cooperation Treaty	PCT/US2005/018337	5/24/2005		MASS SPECTROMETRY WITH SELECTIVE ION FILTRATION BY DIGITAL THRESHOLDING
DIBIS-0060US	United States	10/853,660	5/25/2004		METHODS FOR RAPID FORENSIC ANALYSIS OF MITOCHONDRIAL DNA
DIBIS-0060WO	Patent Cooperation Treaty	PCT/US2005/018031	5/24/2005		METHODS FOR RAPID FORENSIC ANALYSIS OF MITOCHONDRIAL DNA

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DIBIS-0061US.L	United States	60/576,760	6/2/2004		METHODS FOR MANAGEMENT OF NUCLEIC ACID SAMPLES AND DATA OBTAINED THEREFROM
DIBIS-0062US	United States	11/073,362	3/3/2005		RAPID IDENTIFICATION OF MICROBIAL AGENTS
DIBIS-0062WO	Patent Cooperation Treaty	PCT/US2005/007022	3/3/2005		RAPID IDENTIFICATION OF MICROBIAL AGENTS
DIBIS-0063US	United States	11/209,439	8/23/2005		METHODS FOR RAPID IDENTIFICATION OF RECOMBINANT ORGANISMS
DIBIS-0063US.L	United States	60/604,329	8/24/2004		METHOD FOR RAPID IDENTIFICATION OF GENETICALLY ENGINEERED VIRUSES
DIBIS-0063WO	Patent Cooperation Treaty	PCT/US2005/30058	8/24/2005		METHODS FOR RAPID IDENTIFICATION OF RECOMBINANT ORGANISMS
DIBIS-0064US.L	United States	60/581,741	6/21/2004		METHOD AND DATABASE FOR RAPID FORENSIC ANALYSIS OF MITOCHONDRIAL DNA
DIBIS-0065US	United States	10/891,337	7/14/2004		METHODS FOR REPAIRING DEGRADED DNA
DIBIS-0065WO	Patent Cooperation Treaty	PCT/US2005/024799	7/13/2005		METHODS FOR REPAIRING DEGRADED DNA
DIBIS-0066US.L	United States	60/598,408	8/2/2004		DATABASE FOR MICROBIAL INVESTIGATIONS
DIBIS-0067US.L	United States	60/598,400	8/2/2004		METHOD OF MICROBIAL FORENSIC ANALYSIS
DIBIS-0068US.L	United States	60/615,387	9/30/2004		PROCESS FOR AUTOMATED DISCOVERY OF NEW VIRUSES
DIBIS-0069US.L	United States	60/632,862	12/3/2004		METHODS AND COMPOSITIONS FOR IDENTIFICATION AND STRAIN TYPING OF MEMBERS OF THE BACTERIAL GENUS ACINETOBACTER
DIBIS-0070US.L	United States	60/639,068	12/22/2004		DETERMINATION OF BASE COMPOSITION OF NUCLEIC ACIDS
DIBIS-0071US.L	United States	60/648,188	1/28/2005		METHODS AND COMPOSITIONS FOR IDENTIFICATION AND STRAIN TYPING OF MEMBERS OF THE BACTERIAL GENUS CAMPYLOBACTER
DIBIS-0072US.L	United States	60/658,248	3/3/2005		METHOD FOR IDENTIFICATION OF ADVENTITIOUS VIRAL AGENTS
DIBIS-0073US.L	United States	60/671,003	4/13/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF ADENOVIRUSES
DIBIS-0073US1	United States	11/404,561	4/12/2006		COMPOSITIONS FOR IDENTIFICATION OF ADENOVIRUSES
DIBIS-0073WO	Patent Cooperation Treaty	PCT/US2006/014178	4/12/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF ADENOVIRUSES
DIBIS-0074US.L	United States	60/674,118	4/21/2005		COMPOSITIONS FOR IDENTIFICATION OF METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS
DIBIS-0075US	United States	11/491,376	7/21/2006		METHODS FOR RAPID IDENTIFICATION AND QUANTITATION OF NUCLEIC ACID VARIANTS
DIBIS-0075US.L	United States	60/701,404	7/21/2005		METHODS FOR RAPID IDENTIFICATION AND QUANTITATION OF NUCLEIC ACID VARIANTS

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Docket Number	Country	Serial Number	Filing Date	Patent Number	Title
DIBIS-0075WO	Patent Cooperation Treaty	PCT/US2006/028397	7/21/2006		METHODS FOR RAPID IDENTIFICATION AND QUANTITATION OF NUCLEIC ACID VARIANTS
DIBIS-0076US.L	United States	60/705,631	8/3/2005		CODON ANALYSIS BY ESI/MS
DIBIS-0077US.L	United States	60/732,539	11/1/2005		METHODS FOR RAPID ANALYSIS OF DRUG RESISTANCE IN INFECTIOUS ORGANISMS
DIBIS-0078US1	United States	11/210,516	8/24/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF ORTHOPOXVIRUSES
DIBIS-0078US1	United States	11/210,516	8/24/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF ORTHOPOXVIRUSES
DIBIS-0079US.L	United States	60/720,843	9/27/2005		PROCESS FOR DISCOVERY OF UNKNOWN VIRUSES
DIBIS-0080US.L	United States	60/728,017	10/17/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF INFLUENZA VIRUSES
DIBIS-0080US1	United States	11/582,930	10/17/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF INFLUENZA VIRUSES
DIBIS-0080US2	United States	11/582,859	10/17/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF INFLUENZA VIRUSES
DIBIS-0080US3	United States	11/582,875	10/17/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF INFLUENZA VIRUSES
DIBIS-0080US4	United States	11/582,873	10/17/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF INFLUENZA VIRUSES
DIBIS-0080US5	United States	11/582,860	10/17/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF INFLUENZA VIRUSES
DIBIS-0080US6	United States	11/582,865	10/17/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF INFLUENZA VIRUSES
DIBIS-0080US7	United States	11/582,864	10/17/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF INFLUENZA VIRUSES
DIBIS-0080US8	United States	11/582,863	10/17/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF INFLUENZA VIRUSES
DIBIS-0080WO	Patent Cooperation Treaty	PCT/US2006/040747	10/17/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF INFLUENZA VIRUSES
DIBIS-0081US.L	United States	60/740,617	11/28/2005		COMPOSITIONS FOR USE IN IDENTIFICATION OF ADVENTITIOUS CONTAMINANT VIRUSES
DIBIS-0081WO	Patent Cooperation Treaty	PCT/US2006/061307	11/28/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF ADVENTITIOUS CONTAMINANT VIRUSES
DIBIS-0082US.L	United States	60/771,101	2/6/2006		METHODS FOR RAPID HUMAN FORENSICS ANALYSIS BY MASS SPECTROMETRY
DIBIS-0083US.C1	United States	11/683,241	3/7/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0083US.C2	United States	11/683,254	3/7/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0083US.C3	United States	11/683,280	3/7/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0083US.C4	United States	11/683,286	3/7/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0083US.C5	United States	11/683,302	3/7/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0083US.C6	United States	11/683,311	3/7/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0083US.C7	United States	11/683,351	3/7/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA

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DIBIS-0083US.C8	United States	11/683,360	3/7/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0083US.C9	United States	11/683,370	3/7/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0083US1	United States	11/409,535	4/21/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0083USC10	United States	11/685,579	3/13/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0083USC11	United States	11/685,598	3/13/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0083USC12	United States	11/685,603	3/13/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0083USC13	United States	11/685,610	3/13/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0083WO	Patent Cooperation Treaty	PCT/US2006/015160	4/21/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF DRUG RESISTANCE GENES AND VIRULENCE FACTORS IN STAPHYLOCOCCUS AUREUS
DIBIS-0084US.L	United States	60/773,124	2/13/2006		COMPOSITIONS FOR GENOTYPING OF ACINETOBACTER BAUMANNII
DIBIS-0085US1	United States	11/368,233	3/3/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF ADVENTITIOUS VIRUSES
DIBIS-0085WO	Patent Cooperation Treaty	PCT/US2006/007747	3/3/2006		COMPOSITIONS FOR USE IN IDENTIFICATION OF ADVENTITIOUS VIRUSES
DIBIS-0086US.L	United States	60/790,499	4/6/2006		COMPOSITIONS FOR THE USE IN IDENTIFICATION OF FUNGI
DIBIS-0086US.L	United States	60/790,499	4/6/2006		COMPOSITIONS FOR THE USE IN IDENTIFICATION OF FUNGI
DIBIS-0088US.L	United States	60/808,636	5/25/2006		METHODS FOR IDENTIFICATION OF SEPSIS-CAUSING BACTERIA
DIBIS-0088US.L	United States	60/808,636	5/25/2006		METHODS FOR IDENTIFICATION OF SEPSIS-CAUSING BACTERIA
DIBIS-0089US.L	United States	60/825,703	9/14/2006		TARGETED WHOLE GENOME AMPLIFICATION
DIBIS-0093US.L	United States	60/896,801	3/23/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF MIXED POPULATIONS OF BIOAGENTS
DIBIS-0096US.L	United States	60/896,813	3/23/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
DIBIS-0097US.L	United States	60/896,822	3/23/2007		COMPOSITIONS FOR USE IN IDENTIFICATION OF BACTERIA
IBBR-122.EP	European Patent Convention	903344	1/19/2000		METHODS AND APPARATUS FOR EXTERNAL ACCUMULATION AND PHOTODISSOCIATION OF IONS PRIOR TO MASS SPECTROMETRIC ANALYSIS
IBBR-122.US	United States	09/235,528	1/22/1999	6,342,393	METHODS AND APPARATUS FOR ACCUMULATION AND PHOTODISSOCIATION OF IONS IN AN ION RESERVOIR EXTERNAL TO A MASS ANALYZER
IBBR-122.USC1	United States	09/927,666	8/10/2001		METHODS AND APPARATUS FOR ACCUMULATION AND PHOTODISSOCIATION OF IONS PRIOR TO MASS SPECTROMETRIC ANALYSIS

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Docket Number	Country	Serial Number	Filing Date	Patent Number	Title
IBBR-122.USC2	United States	10/458,847	6/11/2003		METHODS AND APPARATUS FOR ACCUMULATION AND PHOTODISSOCIATION OF IONS PRIOR TO MASS SPECTROMETRIC ANALYSIS
IBBR-122.WO	Patent Cooperation Treaty	PCT/US00/01251	1/19/2000		ACCUMULATION AND PHOTODISSOCIATION OF IONS IN AN ION RESERVOIR EXTERNAL TO A MASS ANALYZER
IBBR-123.DE	Germany	100 84 700.5	5/30/2000		(TRACKING ONLY) EXTERNAL SHUTTER FOR ELECTROSPRAY IONIZATION MASS SPECTROMETRY
IBBR-123.GB	Great Britain	200530.4	5/30/2000	GB2368187	(TRACKING ONLY) EXTERNAL SHUTTER FOR ELECTROSPRAY IONIZATION MASS SPECTROMETRY
IBBR-123.WO	Patent Cooperation Treaty	PCT/US00/14800	5/30/2000		(TRACKING ONLY) EXTERNAL SHUTTER FOR ELECTROSPRAY IONIZATION MASS SPECTROMETRY
IBBR-124.US	United States	10/163,434	6/4/2002		SYSTEMS AND METHOD OF A GATED ELECTROSPRAY INTERFACE WITH VARIABLE FLOW RATE FOR HIGH THROUGHPUT MASS SPECTROMETRIC ANALYSIS
IBBR-124.USC1	United States	10/939,753	9/13/2004	7,095,017	SYSTEMS AND METHOD OF A GATED ELECTROSPRAY INTERFACE WITH VARIABLE FLOW RATE FOR HIGH THROUGHPUT MASS SPECTROMETRIC ANALYSIS
IBBR-125.CA	Canada	2,450,351	6/11/2002		SYSTEMS AND METHODS FOR INDUCING INFRARED MULTIPHOTON DISSOCIATION WITH A HOLLOW FIBER WAVEGUIDE
IBBR-125.EP	European Patent Convention	2734764	6/11/2002		SYSTEMS AND METHODS FOR INDUCING INFRARED MULTIPHOTON DISSOCIATION WITH A HOLLOW FIBER WAVEGUIDE
IBBR-125.US	United States	10/167,269	6/11/2002	6,717,137	SYSTEMS AND METHODS FOR INDUCING INFRARED MULTIPHOTON DISSOCIATION WITH A HOLLOW FIBER WAVEGUIDE
IBBR-125.WO	Patent Cooperation Treaty	PCT/US02/18413	6/11/2002		SYSTEMS AND METHODS FOR INDUCING INFRARED MULTIPHOTON DISSOCIATION WITH A HOLLOW FIBER WAVEGUIDE
IBIS-0002CA	Canada	2,198,261	8/23/1995		OLIGORIBONUCLEOTIDE ASSAY FOR NOVEL ANTIBIOTICS
IBIS-0002CH	Switzerland	804454	8/23/1995	804454	OLIGORIBONUCLEOTIDE ASSAY FOR NOVEL ANTIBIOTICS
IBIS-0002DE	Germany	804454	8/23/1995	695 33 092.6	OLIGORIBONUCLEOTIDE ASSAY FOR NOVEL ANTIBIOTICS
IBIS-0002EP	European Patent Convention	95930926.1	8/23/1995	804454	OLIGORIBONUCLEOTIDE ASSAY FOR NOVEL ANTIBIOTICS
IBIS-0002FR	France	804454	8/23/1995	804454	OLIGORIBONUCLEOTIDE ASSAY FOR NOVEL ANTIBIOTICS
IBIS-0002GB	Great Britain	804454	8/23/1995	804454	OLIGORIBONUCLEOTIDE ASSAY FOR NOVEL ANTIBIOTICS

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IBIS-0002IT	Italy	804454	8/23/1995	804454	OLIGORIBONUCLEOTIDE ASSAY FOR NOVEL ANTIBIOTICS
IBIS-0002US	United States	08/294,450	8/23/1994		OLIGORIBONUCLEOTIDE ASSAY FOR NOVEL ANTIBIOTICS
IBIS-0002US.P1	United States	08/498,402	7/5/1995	5,712,096	OLIGORIBONUCLEOTIDE ASSAY FOR NOVEL ANTIBIOTICS
IBIS-0005EP	European Patent Convention	99921921.5	5/12/1999		GENERATION OF VIRTUAL COMBINATORIAL LIBRARIES OF COMPOUNDS
IBIS-0005JP	Japan	2000-548804	5/12/1999		GENERATION OF VIRTUAL COMBINATORIAL LIBRARIES OF COMPOUNDS
IBIS-0005US.C1	United States	09/753,869	1/3/2001		A METHOD OF IDENTIFYING IN SILICO EACH COMPOUND OF A VIRTUAL LIBRARY (as amended)
IBIS-0005WO	Patent Cooperation Treaty	PCT/US99/10493	5/12/1999		GENERATION OF VIRTUAL COMBINATORIAL LIBRARIES OF COMPOUNDS
IBIS-0006EP	European Patent Convention	99922956	5/12/1999		GENERATION OF COMBINATORIAL LIBRARIES OF COMPOUNDS CORRESPONDING TO VIRTUAL LIBRARIES OF COMPOUNDS
IBIS-0006JP	Japan	2000-548281	5/12/1999		GENERATION OF COMBINATORIAL LIBRARIES OF COMPOUNDS CORRESPONDING TO VIRTUAL LIBRARIES OF COMPOUNDS
IBIS-0006US	United States	09/076,214	5/12/1998		GENERATION OF COMBINATORIAL LIBRARIES OF COMPOUNDS CORRESPONDING TO VIRTUAL LIBRARIES OF COMPOUNDS
IBIS-0006US.D1	United States	09/400,150	9/21/1999		GENERATION OF COMBINATORIAL LIBRARIES OF COMPOUNDS CORRESPONDING TO VIRTUAL LIBRARIES OF COMPOUNDS
IBIS-0006WO	Patent Cooperation Treaty	PCT/US99/10383	5/12/1999		GENERATION OF COMBINATORIAL LIBRARIES OF COMPOUNDS CORRESPONDING TO VIRTUAL LIBRARIES OF COMPOUNDS
IBIS-0008	United States	60/085,092	5/12/1998		SMALL MOLECULE TARGETING OF RNA STRUCTURES
IBIS-0010US	United States	09/200,355	11/25/1998		IDENTIFICATION OF DISEASE PREDICTIVE NUCLEIC ACIDS
IBIS-0010US	United States	09/200,355	11/25/1998	6,451,524	IDENTIFICATION OF DISEASE PREDICTIVE NUCLEIC ACIDS
IBIS-0010US.C1	United States	10/109,213	3/27/2002		IDENTIFICATION OF DISEASE PREDICTIVE NUCLEIC ACIDS
IBIS-0010WO	Patent Cooperation Treaty	PCT/US99/27710	11/22/1999		IDENTIFICATION OF DISEASE PREDICTIVE NUCLEIC ACIDS
IBIS-0011US	United States	09/200,107	11/25/1998		IN SITU BINARY SYNTHESIS OF BIOLOGICALLY EFFECTIVE MOLECULES
IBIS-0011US	United States	09/200,107	11/25/1998	6,492,111	IN SITU BINARY SYNTHESIS OF BIOLOGICALLY EFFECTIVE MOLECULES
IBIS-0011US.C1	United States	10/209,761	8/1/2002		IN SITU BINARY SYNTHESIS OF BIOLOGICALLY EFFECTIVE MOLECULES

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IBIS-0011WO	Patent Cooperation Treaty	PCT/US99/27681	11/22/1999		IN SITU BINARY SYNTHESIS OF BIOLOGICALLY EFFECTIVE MOLECULES
IBIS-0012US.L	United States	60/110,024	11/25/1998		IDENTIFICATION OF DISEASE PREDICTIVE NUCLEIC ACIDS
IBIS-0015US	United States	09/310,907	5/12/1999		MOLECULAR INTERACTION SITES OF VIMENTIN RNA AND METHODS OF MODULATING THE SAME
IBIS-0015US.P1	United States	10/135,017	4/24/2002		MOLECULAR INTERACTION SITES OF VIMENTIN RNA AND METHODS OF MODULATING THE SAME
IBIS-0015WO	Patent Cooperation Treaty	PCT/US03/12608	4/24/2003		MOLECULAR INTERACTION SITES OF VIMENTIN RNA AND METHODS OF MODULATING THE SAME
IBIS-0016US	United States	09/310,761	5/12/1999		MOLECULAR INTERACTION SITES OF ORNITHINE DECARBOXYLASE RNA AND METHODS OF MODULATING THE SAME
IBIS-0017US	United States	09/310,844	5/12/1999	6,969,763	MOLECULAR INTERACTION SITES OF INTERLEUKIN-2 RNA AND METHODS OF MODULATING THE SAME
IBIS-0018US	United States	09/310,762	5/12/1999		MOLECULAR INTERACTION SITES OF INTERLEUKIN-4 RNA AND METHODS OF MODULATING THE SAME
IBIS-0022WO	Patent Cooperation Treaty	PCT/US02/05008	2/21/2002		METHOD FOR IDENTIFYING LIGAND BINDING SITES IN A BIOMOLECULE
IBIS-0023AU	Australia	2002323224	8/19/2002		MOLECULAR INTERACTION SITES OF 16S RIBOSOMAL RNA AND METHODS OF MODULATING THE SAME
IBIS-0023CA	Canada	2,458,228	8/19/2002		MOLECULAR INTERACTION SITES OF 16S RIBOSOMAL RNA AND METHODS OF MODULATING THE SAME
IBIS-0023EP	European Patent Convention	2757188.4	8/19/2002		MOLECULAR INTERACTION SITES OF 16S RIBOSOMAL RNA AND METHODS OF MODULATING THE SAME
IBIS-0023IL	Israel	160399	8/19/2002		MOLECULAR INTERACTION SITES OF 16S RIBOSOMAL RNA AND METHODS OF MODULATING THE SAME
IBIS-0023JP	Japan	2003-523675	8/19/2002		MOLECULAR INTERACTION SITES OF 16S RIBOSOMAL RNA AND METHODS OF MODULATING THE SAME
IBIS-0023SG	Singapore	200400815-7	8/19/2002		MOLECULAR INTERACTION SITES OF 16S RIBOSOMAL RNA AND METHODS OF MODULATING THE SAME
IBIS-0023US.L	United States	60/313,890	8/21/2001		MOLECULAR INTERACTION SITES OF 16S RIBOSOMAL RNA AND METHODS OF MODULATING THE SAME
IBIS-0023WO	Patent Cooperation Treaty	PCT/US02/26212	8/19/2002		MOLECULAR INTERACTION SITES OF 16S RIBOSOMAL RNA AND METHODS OF MODULATING THE SAME
IBIS-0024AU	Australia	2002331638	8/19/2002		MOLECULAR INTERACTION SITES OF RNASE P RNA AND METHODS OF MODULATING THE SAME
IBIS-0024CA	Canada	2,457,318	8/19/2002		MOLECULAR INTERACTION SITES OF RNASE P RNA AND METHODS OF MODULATING THE SAME

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Docket Number	Country	Serial Number	Filing Date	Patent Number	Title
IBIS-0024EP	European Patent Convention	2768616.1	8/19/2002		MOLECULAR INTERACTION SITES OF RNASE P RNA AND METHODS OF MODULATING THE SAME
IBIS-0024IL	Israel	160401	8/19/2002		MOLECULAR INTERACTION SITES OF RNASE P RNA AND METHODS OF MODULATING THE SAME
IBIS-0024JP	Japan	2003-521807	8/19/2002		MOLECULAR INTERACTION SITES OF RNASE P RNA AND METHODS OF MODULATING THE SAME
IBIS-0024SG	Singapore	200400824-9	8/19/2002		MOLECULAR INTERACTION SITES OF RNASE P RNA AND METHODS OF MODULATING THE SAME
IBIS-0024US.L	United States	60/314,020	8/21/2001		MOLECULAR INTERACTION SITES OF RNASE P RNA AND METHODS OF MODULATING THE SAME
IBIS-0024WO	Patent Cooperation Treaty	PCT/US02/26418	8/19/2002		MOLECULAR INTERACTION SITES OF RNASE P RNA AND METHODS OF MODULATING THE SAME
IBIS-0025US.L	United States	60/314,236	8/22/2001		MOLECULAR INTERACTION SITES OF HEPATITIS C VIRUS RNA AND METHODS OF MODULATION THE SAME
IBIS-0025WO	Patent Cooperation Treaty	PCT/US02/26219	8/19/2002		MOLECULAR INTERACTION SITES OF HEPATITIS C VIRUS RNA AND METHODS OF MODULATION THE SAME
IBIS-0026AU	Australia	2002336382	8/21/2002		MOLECULAR INTERACTION SITES OF 23S RIBOSOMAL RNA AND METHODS OF USE
IBIS-0026CA	Canada	2,458,205	8/21/2002		MOLECULAR INTERACTION SITES OF 23S RIBOSOMAL RNA AND METHODS OF USE
IBIS-0026EP	European Patent Convention	2773229.6	8/21/2002		MOLECULAR INTERACTION SITES OF 23S RIBOSOMAL RNA AND METHODS OF USE
IBIS-0026IL	Israel	160398	8/21/2002		MOLECULAR INTERACTION SITES OF 23S RIBOSOMAL RNA AND METHODS OF USE
IBIS-0026JP	Japan	2003-523601	8/21/2002		MOLECULAR INTERACTION SITES OF 23S RIBOSOMAL RNA AND METHODS OF USE
IBIS-0026SG	Singapore	200400814-0	8/21/2002		MOLECULAR INTERACTION SITES OF INTERACTING SITES OF 23S RIBOSOMAL RNA AND METHODS OF MODULATING THE SAME [as amended]
IBIS-0026US.L	United States	60/314,251	8/22/2001		MOLECULAR INTERACTION SITES OF 23S RIBOSOMAL RNA AND METHODS OF MODULATING THE SAME
IBIS-0026WO	Patent Cooperation Treaty	PCT/US02/26582	8/21/2002		MOLECULAR INTERACTION SITES OF 23S RIBOSOMAL RNA AND METHODS OF USE
IBIS-0029US.L	United States	60/379,229	5/9/2002		COMPUTATIONAL DETERMINATION OF ALTERNATIVE SPLICING
IBIS-0029WO	Patent Cooperation Treaty	PCT/US03/14800	5/9/2003		COMPUTATIONAL DETERMINATION OF ALTERNATIVE SPLICING
IBIS-0030US.L	United States	60/387,342	6/10/2002		DISCOVERY OF RNA STRUCTURAL ELEMENTS USING EVOLUTIONARY COMPUTATION

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Docket Number	Country	Serial Number	Filing Date	Patent Number	Title
IBIS-0030WO	Patent Cooperation Treaty	PCT/US03/18573	6/10/2003		DETECTION OF RNA STRUCTURAL ELEMENTS
IBIS-0037US	United States	09/411,748	10/1/1999	6,429,016	SYSTEM AND METHOD FOR SAMPLE POSITIONING IN A ROBOTIC SYSTEM
IBIS-0037US.D1	United States	10/153,327	5/22/2002		SYSTEM AND METHOD FOR SAMPLE POSITIONING IN A ROBOTIC SYSTEM
IBIS-0037WO	Patent Cooperation Treaty	PCT/US00/26829	9/29/2000		SYSTEM AND METHOD FOR SAMPLE POSITIONING IN A ROBOTIC SYSTEM
IBIS-0038AU	Australia	2001294769	9/27/2001	2001294769	SELF-DISPENSingapore STORAGE DEVICE
IBIS-0038CA	Canadada	2,424,786	9/27/2001		SELF-DISPENSingapore STORAGE DEVICE
IBIS-0038EP	European Patent Convention	1975443.1	9/27/2001		SELF-DISPENSingapore STORAGE DEVICE
IBIS-0038JP	Japan	2002-532354	9/27/2001		SELF-DISPENSingapore STORAGE DEVICE
IBIS-0038US	United States	09/678,434	10/3/2000	6,911,181	SELF-DISPENSingapore STORAGE DEVICE
IBIS-0038WO	Patent Cooperation Treaty	PCT/US01/30181	9/27/2001		SELF-DISPENSingapore STORAGE DEVICE
IBIS-0039WO	Patent Cooperation Treaty	PCT/US2004/019022	6/14/2004		MOLECULAR INTERACTION SITES OF CORONAVIRUS RNA AND METHODS OF MODULATION THE SAME
IBIS-0042	United States	09/310,653	5/12/1999		CHARACTERIZATION OF INTERACTIONS BETWEEN MOLECULAR INTERACTION SITES OF RNA AND LIGANDS THEREFOR
IBIS-0094	Patent Cooperation Treaty	PCT/US99/10510	5/12/1999		CHARACTERIZATION OF INTERACTIONS BETWEEN MOLECULAR INTERACTION SITES OF RNA AND LIGANDS THEREFOR
MSIBIS-0005US.L	United States	60/560,587	4/7/2004		ICATTM APPROACH TO STUDY GENE REGULATION BY ANTISENSE INHIBITION: CELLULAR RESPONSE TO TARGET PROTEIN REDUCTION
MSIBIS-0005USL2	United States	60/571,373	5/13/2004		METHODS OF CHARACTERIZING CELLULAR RESPONSE TO ANTISENSE MODULATION OF REGULATORY GENES