

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Life Technologies Corporation		11/21/2008	CORPORATION: DELAWARE

RECEIVING PARTY DATA

Name:	Bank of America, N.A.
Street Address:	800 Fifth Ave.
Internal Address:	Floor 17
City:	Seattle
State/Country:	WASHINGTON
Postal Code:	98104
Entity Type:	National Association:

PROPERTY NUMBERS Total: 117

Property Type	Number	Word Mark
Serial Number:	77448907	ADAPTA
Serial Number:	73659594	AIM V
Serial Number:	74059119	ALBUMAX
Serial Number:	77512570	ALGIMATRIX
Serial Number:	75565659	ALIGNX
Serial Number:	76487331	AMBISOLV
Serial Number:	74635043	BAC-TO-BAC
Serial Number:	75251424	BACULOSOMES
Serial Number:	78162870	BEACON
Serial Number:	76351860	BIOPIXELS
Serial Number:	75565658	BIOPLOT
Serial Number:	74193197	BIOPRIME
Serial Number:	76310898	CASCADE BIOLOGICS

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Serial Number:	74094975	CDNA CYCLE
Serial Number:	75164338	CELLFECTIN
Serial Number:	76137805	CELLSENSOR
Serial Number:	73789400	CELL-PORATOR
Serial Number:	75682538	CLONASE
Serial Number:	75876344	CONTIGEXPRESS
Serial Number:	74164239	COT-1 DNA
Serial Number:	75365005	DES
Serial Number:	74082996	DH5
Serial Number:	74431239	DRYEASE
Serial Number:	73624693	DYNABEADS
Serial Number:	78519202	DYNAPLEX
Serial Number:	75488297	E-GEL
Serial Number:	74628231	ELONGASE
Serial Number:	75789031	EPLIFE
Serial Number:	74628232	EXPRESS FIVE
Serial Number:	75365002	FASTTRACK
Serial Number:	75601200	GATEWAY
Serial Number:	73780290	GEL-MIX
Serial Number:	77512626	GELTRES
Serial Number:	76028479	GENEBLAZER
Serial Number:	75341746	GENEHOGS
Serial Number:	76013179	GENERACER
Serial Number:	75433616	GENESTORM
Serial Number:	73417562	GENETICIN
Serial Number:	75008382	GENETRAPPER
Serial Number:	75884386	GENOMAX
Serial Number:	76444156	GENOMBENCH
Serial Number:	76244699	GIBCO
Serial Number:	75220975	HISTOSTAIN
Serial Number:	73713899	HORIZON
Serial Number:	77081390	IBLOT
Serial Number:	75891644	INFORMAX
Serial Number:	78205822	INVITROGEN
Serial Number:	75912326	INVITROGEN

Serial Number:	74350547	KARYOMAX
Serial Number:	76443027	LABSHARE
Serial Number:	77449034	LANTHASCREEN
Serial Number:	75161465	LIBRARY EFFICIENCY
Serial Number:	75266108	LIFE TECHNOLOGIES
Serial Number:	73789399	LIPOFECTIN
Serial Number:	73602903	MAK-6
Serial Number:	75341538	MAPPAIRS
Serial Number:	78519221	MATCHPRO
Serial Number:	73780291	MAX EFFICIENCY
Serial Number:	76310897	
Serial Number:	78454972	MOZAIC
Serial Number:	74573820	MULTI-MARK
Serial Number:	76206983	MYARRAY
Serial Number:	77168069	NEUROBASAL
Serial Number:	78420228	NOVEX
Serial Number:	74315047	NUPAGE
Serial Number:	78675753	OMNIA
Serial Number:	75365003	ONE SHOT
Serial Number:	74439495	OPTIMAB
Serial Number:	73524026	OPTI-MEM
Serial Number:	78162873	PANVERA
Serial Number:	78153691	PATHBLAZER
Serial Number:	77118975	PD-DIRECT
Serial Number:	73207574	PHYTAGAR
Serial Number:	75298002	PLATINUM
Serial Number:	75248539	POWEREASE
Serial Number:	78140821	PROTOARRAY
Serial Number:	75365000	PZERO
Serial Number:	73612202	REACT
Serial Number:	75251874	RECO
Serial Number:	77119010	REVOLUTION
Serial Number:	76381179	RLSYSTEM
Serial Number:	76551242	SECORE
Serial Number:	74554587	SEEBLUE

Serial Number:	77448997	SELECTSCREEN
Serial Number:	74551780	SILVERXPRESS
Serial Number:	75877158	SOFTWARE SOLUTION FOR BIO-MEDICINE
Serial Number:	77378903	SPOT-LIGHT
Serial Number:	76154297	SPOT-LIGHT
Serial Number:	75040887	STAINLEASE
Serial Number:	78506277	STEALTH
Serial Number:	75161446	STEMPRO
Serial Number:	78207004	SUPERSCRIPT
Serial Number:	75829704	SYNTH-A-FREEZE
Serial Number:	74107159	TA CLONING
Serial Number:	76037345	THE PROTEIN COMPANY
Serial Number:	75365004	TOPO
Serial Number:	76422395	UNICHECK
Serial Number:	76097356	UNIMATCH
Serial Number:	76097355	UNITRAY
Serial Number:	78734788	UTYPE
Serial Number:	74531175	VECTOR NTI
Serial Number:	76443022	VECTOR NTI ADVANCE
Serial Number:	76443026	VECTOR XPRESSION
Serial Number:	76028480	VIVID
Serial Number:	75465638	WESTERNBREEZE
Serial Number:	75582439	WETWARE
Serial Number:	75864264	XCELL SURELOCK
Serial Number:	76242167	XCELLERATED T CELLS
Serial Number:	78110587	XCYTE
Serial Number:	76416946	XEOCHIP
Serial Number:	76416947	XEOTRON
Serial Number:	76406384	XEOTRON X
Serial Number:	75365001	ZERO BLUNT
Serial Number:	78421879	Z'-LYTE
Serial Number:	75864266	ZOOM
Serial Number:	75864265	ZOOM
Serial Number:	75177103	ZYMED

CORRESPONDENCE DATA

Fax Number: (212)859-4000
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 212-859-8000
Email: teas@friedfrank.com
Correspondent Name: Arianne de Govia
Address Line 1: One New York Plaza
Address Line 2: Fried, Frank, Harris, Shriver & Jacobson
Address Line 4: New York, NEW YORK 10004

ATTORNEY DOCKET NUMBER:	30029-191
NAME OF SUBMITTER:	Arianne de Govia
Signature:	/arianne de govia/
Date:	12/05/2008

Total Attachments: 24
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Grant of Security Interest
in United States Patents and Trademarks

FOR GOOD AND VALUABLE CONSIDERATION, receipt and sufficiency of which are hereby acknowledged, Life Technologies Corporation, a Delaware Corporation (the "Grantor"), having its chief executive office at 5791 Van Allen Way, Carlsbad, California, 92008, hereby grants to Bank of America, N.A., as Collateral Agent, (the "Grantee"), with offices at 800 Fifth Avenue, Floor 17, Seattle, Washington, 98104, a security interest in all of the Assignor's right, title and interest in, to and under the following (all of the following items or types of property being herein collectively referred to as the "Patent and Trademark Collateral"), whether presently existing or hereafter arising or acquired:

(i) each United States patent and patent application, including each Patent and Patent Application referred to on Schedule A;

(ii) each United States trademark, trademark registration and trademark application, and all of the goodwill of the business connected with the use of, and symbolized by, each trademark, trademark registration and trademark application, including each Trademark, Trademark Registration and Trademark Application referred to in Schedule B; and


(iii) all products and proceeds of the foregoing, including any claim by the Grantor against third parties for past, present or future infringement of any Patent, or past, present or future infringement or dilution of any Trademark or Trademark registration, including any Patent or Trademark listed on Schedule A or B, or for injury to the goodwill associated with any Trademark or Trademark registration.

THIS GRANT is granted in conjunction with the security interests granted to the Grantee pursuant to the Security Agreement among the Grantor, the Grantee and certain other parties dated as of November 21, 2008, as amended, modified or supplemented from time to time (the "Security Agreement").

THIS GRANT has been granted in conjunction with the security interest granted to the Grantee under the Security Agreement. The rights and remedies of the Grantee with respect to the security interest granted herein are without prejudice to, and are in addition to those set forth in the Security Agreement, all terms and provisions of which are incorporated herein by reference. In the event that any provisions of this Agreement are deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall govern.

IN WITNESS WHEREOF, the undersigned have executed this Agreement as of
the 21 day of November, 2008.

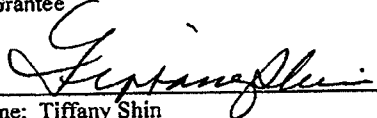
LIFE TECHNOLOGIES CORPORATION, as
Grantor

By: 
Name: David H. Smith
Title: Authorized Officer

[Life Technologies Corporation – Signature Page for Short Form IP Security Agreement]

TRADEMARK
REEL: 003902 FRAME: 0617

BANK OF AMERICA, N.A., as Collateral Agent,
as Grantee

By: 
Name: Tiffany Shin
Title: Assistant Vice President

Signature Page - IP Security Agreement

TRADEMARK
REEL: 003902 FRAME: 0618

Schedule A
Patents and Patent Applications

Serial Number	Title	Application Status
6669334	Nucleotide analogs for nucleic acid labeling and detection	Issued
6804647	Method of detecting nucleic acid sequences	Issued
7009708	Vertical gel slab electrophoresis apparatus	Issued
7248196	Adjustable-height vertical gel slab electrophoresis apparatus	Issued
7010113	Electrophoresis sequencing apparatus	Issued
7010112	Electrophoresis sequencing apparatus tray	Issued
7147209	Liquid container delivery and storage system	Issued
6834629	Reverse transcriptase and method for its production	Issued
7671156	Cloned genes encoding reverse transcriptase lacking mase h activity	Issued
7825260	Cloned genes encoding reverse transcriptase lacking mase h activity	Issued
8614260	Cloned genes encoding reverse transcriptase lacking mase h activity	Issued
90003803	Reexamination of usp # 5,244,797 - cloned genes encoding reverse transcriptase lacking mase h activity	Issued
8798458	Cloned genes encoding reverse transcriptase lacking mase h activity	Issued
9220330	Cloned genes encoding reverse transcriptase lacking mase h activity	Issued
9220329	Cloned genes encoding reverse transcriptase lacking mase h activity	Issued
11182574	Methods and systems for in silico experimental design and for providing a biotechnology product to a customer	Pending
11183295	Method for providing protein microarrays	Pending
7273646	Process of producing highly transformable cells and cells produced thereby	Issued
7049074	Reaction tray assembly for membrane hybridizations	Issued
7048421	Reaction tray for membrane hybridizations	Issued
7344674	Amplification of nucleic acid sequences using oligonucleotides of random sequences as primers	Issued
7552407	Amplification of nucleic acid sequences using oligonucleotides of random sequences as primers	Issued
7360120	Process for controlling contamination of nucleic acid amplification reactions	Issued
8183354	Process for controlling contamination of nucleic acid amplification reactions	Pending
8221465	Process for controlling contamination of nucleic acid amplification reactions	Issued
8962701	Process for controlling contamination of nucleic acid amplification reactions	Issued
9344491	Process for controlling contamination of nucleic acid amplification reactions	Issued
9782516	Process for controlling contamination of nucleic acid amplification reactions	Issued
7391930	Cloning and expression of t5 dna polymerase	Issued
7494531	Cloning and expression of t5 dna polymerase reduced in 3' to 5' exonuclease activity	Issued
7826945	Cloning and expression of t5 dna polymerase reduced in 3'-to -5	Issued

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
8688176	Cloning and expression of t5 dna polymerase reduced in 3' to 5' exonuclease activity	Issued
7496283	Cloned kpni restriction modification system	Issued
7822047	Cloned kpni restriction modification system	Issued
10937042	Bimolecular optical probes	Pending
11258363	Compositions and methods for analyzing biomolecules using mass spectroscopy	Pending
7535021	Host expressing ngoaiii restriction endonuclease and modification methylase from neisseria	Issued
12181155	Radio frequency identifiers in biological science	Pending
7593930	Method for enzymatic regeneration of cell culture media and media kits therefore	Issued
8124508	Media concentrate technology	Issued
8444678	Media concentrate technology	Issued
7691801	A system for delivering oxygen to a cell culture medium	Issued
7972366	Method for delivering oxygen to a cell culture medium	Issued
12221094	Feeding buffers, systems, and methods for in vitro synthesis of biomolecules	Pending
7924795	Vacuum clamped multi-sample filtration apparatus and method	Issued
8038071	Method for altering a nucleotide sequence	Issued
7710332	Assays employing anchimeric assistance cleavage	Issued
7715623	Use of exo-sample nucleotides in gene cloning	Issued
7880009	Use of exo-sample nucleotides in gene cloning	Issued
11290804	Reverse two-hybrid system for identification of interaction domains	Pending
12206562	Reverse two-hybrid system for identification of interaction domains	Pending
8246921	Use of deoxyinosine containing primers to balance primer efficiency in the amplification of nucleic acid molecules (as amended)	Issued
8755736	Use of primers containing nucleotides having altered base pairing characteristics in the amplification of nucleic acid molecules (as amended)	Issued
9893345	Use of predetermined nucleotides having altered base pairing characteristics in the amplification of nucleic acid molecules	Issued
10396315	Use of predetermined nucleotides having altered base pairing characteristics in the amplification of nucleic acid molecules	Issued
11410976	Use of predetermined nucleotides having altered base pairing characteristics in the amplification of nucleic acid molecules	Issued
11768865	Use of predetermined nucleotides having altered base pairing characteristics in the amplification of nucleic acid molecules	Pending
11322748	System and method for controlling access to a local inventory storage system via a remote e-commerce application	Pending
7866362	Cloning and expressing restriction endonucleases and modification methylases from xanthomonas	Issued
8034402	Cloning and expressing restriction endonucleases and modification methylases from xanthomonas	Issued
7923497	Closure for a container	Issued
7941370	N4-methyl-2'-deoxycytidine 5'-triphosphate and its use in polymerase-	Issued

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
	catalyzed acid syntheses	
7937508	Cationic lipids	Issued
7918765	Dna sizing control standards for electrophoretic analyses	Issued
8678854	Method for the rapid and ultra-sensitive detection of leukemic cells	Issued
7986551	Cloning and expression restriction endonucleases from haemophilus	Issued
8002032	Cloning and expressing restriction endonucleases and modification methylaes from caryophanon	Issued
8068188	Cloning and expression of alul restriction endonuclease	Issued
8103769	Method of nucleic acid sequence selection	Issued
8525140	Method of nucleic acid sequence selection	Issued
8450555	Genetic immunization with cationic lipids	Issued
10906246	Genetic immunization with cationic lipids	Issued
11609005	Genetic immunization with cationic lipids	Pending
8274397	Composition and methods for transfecting eukaryotic cells	Issued
8746896	Composition and methods for transfecting eukaryotic cells	Issued
8160670	Protein size marker ladder	Issued
8195866	Novel reagents for intracellular delivery of macromolecules	Issued
9326106	Novel reagents for intracellular delivery of macromolecules	Issued
11192758	Novel reagents for intracellular delivery of macromolecules	Pending
8893523	Nucleic acid marker ladder for estimating mass	Issued
9666890	Nucleic acid marker ladder for estimating mass	Issued
10410176	Nucleic acid marker ladder for estimating mass	Issued
11534575	Nucleic acid marker ladder for estimating mass	Pending
8145518	Cloned nsii restriction-modification system	Issued
8563266	Cloned nsii restriction-modification system	Issued
11322627	System and method for offering and managing online purchasing card transactions	Pending
8171232	Highly packed polycationic ammonium, sulfonium and phosphonium lipids	Issued
8782783	Highly packed polycationic ammonium, sulfonium and phosphonium lipids	Issued
9187676	Highly packed polycationic ammonium, sulfonium and phosphonium lipids	Issued
9648492	Highly packed polycationic ammonium, sulfonium and phosphonium lipids	Issued
10131539	Highly packed polycationic ammonium, sulfonium and phosphonium lipids	Issued
10762914	Highly packed polycationic ammonium, sulfonium and phosphonium lipids	Allowed
11931075	Highly packed polycationic ammonium, sulfonium and phosphonium lipids	Pending
8229284	Thermophilic dna polymerase	Issued
8300226	Cloned sst1/saci restriction-modified system	Issued
8687623	Methods of producing a ssti/saci restriction-modification system (as amended)	Issued

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
8370190	Cloned dna polymerases from thermotoga neapolitana	Issued
9238471	Cloned dna polymerases from thermotoga maritima and mutants thereof	Issued
11760681	Cloned dna polymerases from thermotoga and mutants thereof	Pending
8537400	Cloned dna polymerases from thermotoga neapolitana and mutants thereof	Issued
8706706	Cloned dna polymerases from thermotoga and mutants thereof	Issued
8706702	Cloned dna polymerases from thermotoga maritima and mutants thereof	Issued
9236615	Cloned dna polymerases from thermotoga neapolitana	Issued
8329969	Enhancement of lipid cationic transfections in the presence of serum	Issued
8419949	Gel casting system	Issued
393134	Autoradiogram reader	Issued
8663002	Recombinational cloning using engineered recombination sites	Issued
10796868	Recombinational cloning using engineered recombination sites	Issued
9005476	Recombinational cloning using engineered recombination sites	Issued
9233493	Recombinational cloning using engineered recombination sites	Issued
9233492	Recombinational cloning using engineered recombination sites	Issued
9432085	Recombinational cloning using engineered recombination sites	Issued
9498074	Recombinational cloning using engineered recombination sites	Issued
10058292	Recombinational cloning using engineered recombination sites	Issued
10058291	Recombinational cloning using engineered recombination sites	Pending
10162879	Recombinational cloning using engineered recombination sites	Pending
8658130	Peptide-enhanced cationic lipid transfections	Issued
8818200	Peptide-enhanced transfections	Issued
9039780	Peptide-enhanced transfections	Issued
10200879	Peptide-enhanced transfections	Pending
11333982	Peptide-enhanced transfections	Pending
9558421	Mutant dna polymerases and uses thereof	Pending
10947352	Mutant dna polymerases and uses thereof	Pending
8597799	Enzyme cooler with porous foam refrigerator block	Issued
11324816	Alkyl phosphine detergent products and extraction processes	Pending
8790820	Method capable of increasing competency of bacterial cell transformation	Issued
9895202	Method capable of increasing competency of bacterial cell transformation	Issued
11608192	Method capable of increasing competency of bacterial cell transformation	Pending
8191669	Method of adenoviral-medicated cell transfection	Issued
8792299	Hematopoietic cell culture nutrient supplement	Issued
10716619	Hematopoietic cell culture nutrient supplement	Pending
12192832	Hematopoietic cell culture nutrient supplement	Pending
8795395	Cloning and expression of rat liver and porcine liver ribonuclease inhibitor	Issued
8910731	Mammalian ribonuclease inhibitors and use thereof	Issued

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
9603613	Methods for identification and isolation of specific nucleotide sequences in cdna and genomic dna	Issued
9005477	Apparatus and method for drying solutions containing macromolecules	Issued
9741735	Apparatus and method for drying solutions containing macromolecules	Issued
979382793	Stable compositions for nucleic acid amplification and sequencing	Pending
9741664	Stable compositions for nucleic acid amplification and sequencing	Pending
12129597	Stable compositions for nucleic acid amplification and sequencing	Pending
9472065	Mutants of green fluorescent protein	Issued
8826426	Method for increasing the viability and transformation ability of bacteria during or after storage at low temperatures (as amended)	Issued
9227742	Method for increasing viability and transformation efficiency of bacteria during storage at low temperatures	Issued
10120163	Method for lyophilizing competent cells	Issued
11214800	Method for lyophilizing competent cells	Pending
8949142	Animal cell culture media comprising plant-derived nutrients	Issued
12209078	Animal cell culture media comprising non-animal or plant-derived nutrients	Pending
11151647	Serum-free mammalian cell culture medium, and uses thereof	Pending
9695926	Defined systems for epithelial cell culture and use thereof	Issued
11348553	Defined systems for epithelial cell culture and use thereof	Pending
9004068	Methods for production of proteins	Issued
10728766	Methods for production of proteins	Issued
11329418	Methods of production of proteins	Issued
11329401	Methods for production of proteins	Issued
11618723	Methods for production of proteins	Pending
11618725	Methods for production of proteins	Pending
8971675	Methods for preventing inhibition of nucleic acid synthesis by pyrophosphate	Issued
9883183	Methods for preventing inhibition of nucleic acid synthesis by pyrophosphate	Issued
10861378	Methods for preventing inhibition of nucleic acid synthesis by pyrophosphate	Issued
9019160	Polymerases for analyzing or typing polymorphic nucleic acid fragments and uses thereof	Issued
9891332	Polymerases for analyzing or typing polymorphic nucleic acid fragments and uses thereof	Pending
8770502	Method and apparatus for automated dispensing	Issued
9226610	Method and apparatus for automated dispensing	Issued
11368996	Isotopically-labeled proteome standards	Pending
8778082	Nucleic acid-free thermostable enzymes and methods of production thereof	Issued
9229967	Nucleic acid-free thermostable enzymes and methods of production thereof	Issued
9866816	Nucleic acid-free thermostable enzymes and methods of production thereof	Issued

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
10342237	Nucleic acid-free thermostable enzymes and methods of production thereof	Issued
11135535	Nucleic acid-free thermostable enzymes and methods of production thereof	Pending
9023790	Dry powder cells and cell culture reagents and methods of production thereof	Issued
9606314	Dry powder cells and cell culture reagents and methods of production thereof	Pending
12018035	Dry powder cell culture products and methods of production thereof	Pending
10685802	Dry powder cells and cell culture reagents and methods of production thereof	Pending
11024051	Dry powder cells and cell culture reagents and methods of production thereof	Pending
11669827	Dry powder cell culture products and methods of production thereof	Pending
11969338	Dry powder cell culture products and methods of production thereof	Pending
11396287	Methods and compositions for introducing biopolymers into cells	Pending
9064057	Recombinant methods for making reverse transcriptases and mutants thereof	Issued
9245025	Compositions and methods for reverse transcription of nucleic acid molecules	Issued
9245026	Compositions and methods for reverse transcription of nucleic acid molecules	Issued
10292604	Recombinant method for making rsv reverse transcriptases and mutants thereof (as amended on 9/29/2005)	Issued
11690715	Compositions and methods for reverse transcription of nucleic acid molecules	Pending
10816886	Methods for production and purification of nucleic acid molecules	Pending
9472067	Nucleic acid ladders	Issued
11083297	Nucleic acid ladders	Pending
9154156	Gel loading adapter	Issued
9576900	Methods, for reducing adventitious agents and toxins and cell culture reagents produced thereby	Issued
8857496	Automated liquid manufacturing system	Issued
9411226	Automated liquid manufacturing system	Issued
9790623	Automated liquid manufacturing system	Issued
10084089	Automated liquid manufacturing system	Issued
11493850	Automated liquid manufacturing system	Pending
9472066	Compositions and methods for reverse transcriptase-polymerase chain reaction(rt-pcr)	Issued
10224334	Compositions and methods for reverse transcriptase-polymerase chain reaction (rt-pcr)	Issued
10861469	Compositions and methods for reverse transcriptase-polymerase chain reaction (rt-pcr)	Pending
9134672	Methods and compositions for cloning nucleic acid molecules	Issued
10960510	Methods and compositions for cloning nucleic acid molecules	Pending
9613903	Nucleic acid ladders	Pending

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
11044620	Multi-component inhibitors of nucleic acid polymerases	Pending
11341870	Multi-component inhibitors of nucleic acid polymerases	Pending
9296280	Recombinational cloning using nucleic acids having recombination sites	Issued
12207382	Recombinational cloning using nucleic acids having recombination sites	Pending
12233836	Recombinational cloning using nucleic acids having recombination sites	Pending
9855797	Recombinational cloning using nucleic acids having recombination sites	Pending
10815730	Recombinational cloning using nucleic acids having recombination sites	Pending
9907719	Recombinational cloning using nucleic acids having recombination sites	Pending
10893235	Recombinational cloning using nucleic acids having recombination sites	Issued
9159496	Normalized nucleic acid libraries and methods of production thereof	Issued
11851353	Normalized nucleic acid libraries and methods of production thereof	Pending
9361740	Regulated expression of recombinant proteins using rna viruses	Issued
2000562058	Regulated expression of recombinant proteins using rna viruses	Pending
989434345	High fidelity polymerases and uses thereof	Pending
2000507692	High fidelity polymerases and uses thereof	Pending
9677574	High fidelity polymerases and uses thereof	Pending
11071848	Method for isolating and recovering target dna or rna molecules having a desired nucleotide sequence	Pending
10141971	Apparatus for washing magnetic particles	Issued
9266935	Compositions and methods for enhanced synthesis of nucleic acid molecules	Issued
10899139	Methods for producing polypeptides through enhanced synthesis of encoding nucleic acid molecules	Issued
9438365	New transfection reagents	Issued
10629522	Transfection reagents	Issued
11040562	Transfection reagents	Issued
11040662	Transfection reagents	Pending
11040687	Transfection reagents	Allowed
11617614	New transfection reagents	Issued
11617625	Transfection reagents	Allowed
11112933	Collections of matched biological reagents and methods for identifying matched reagents	Pending
11371354	Collections of matched biological reagents and methods for identifying matched reagents	Pending
9533548	Substantially pure reverse transcriptases and methods of production thereof	Issued
11212807	Substantially pure reverse transcriptases and methods of production thereof	Pending

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
9650339	Metal binding compounds and their use in cell culture medium compositions	Issued
12135926	Metal binding compounds and their use in cell culture medium compositions	Pending
9438358	Compositions and methods for recombinational cloning of nucleic acid molecules	Issued
11539556	Compositions and methods for recombinational cloning of nucleic acid molecules	Pending
9608066	Compositions and methods for enhanced sensitivity and specificity of nucleic acid synthesis	Issued
11852156	Compositions and methods for enhanced sensitivity and specificity of nucleic acid synthesis	Pending
11539347	Compositions and methods for enhanced sensitivity and specificity of nucleic acid synthesis	Pending
11357416	Electro-blotting devices, systems, and kits and methods for their use	Pending
11465850	Electro-blotting devices, systems, and kits, and methods for their use	Pending
12171880	Electro-blotting devices, systems, and kits and methods for their use	Pending
9515513	Cdna synthesis improvements	Issued
11480575	Cdna synthesis improvements	Pending
9599452	Rapid growing microorganisms for biotechnology applications	Issued
10704912	Rapid growing microorganisms for biotechnology applications	Issued
11677927	Rapid growing microorganisms for biotechnology applications	Pending
9517466	Compositions and methods for use in recombinational cloning of nucelic acids	Pending
9576555	Method of deblocking labeled oligonucleotides	Issued
2375060	Methods for deblocking of labeled oligonucleotides	Pending
9377219	Methods for deblocking of labeled oligonucleotides	Pending
2000619814	Methods for deblocking of labeled oligonucleotides	Pending
10365644	Method for deblocking of labeled oligonucleotides	Pending
9952851	Identifying subjects suitable for tooisomerase ii inhibitor treatment	Issued
10173525	Chromogenic in situ hybridization methods, kits, and compositions	Pending
11840860	Chromogenic in situ hybridization methods, kits, and compositions	Pending
11840874	Chromogenic in situ hybridization methods, kits, and compositions	Pending
11840877	Chromogenic in situ hybridization methods, kits, and compositions	Pending
9574111	Compositions and methods for labeling of nucleic acid molecules	Issued
10405608	Compositions and methods for labeling of nucleic acid molecules	Issued
12111834	Compositions and methods for labeling of nucleic acid molecules	Pending
11530851	Methods of manipulating and sequencing nucleic acid molecules using transposition and recombination	Pending
9599594	Primers and methods for the detection and discrimination of nucleic acids	Pending
10932045	Primers and methods for the detection and discrimination of nucleic acids	Pending
11417264	Identification of cancer biomarkers and phosphorylated proteins	Pending
11444171	Separation and purification of nucleic acid from paraffin-containing	Pending

Serial Number	Title	Application Status
	samples	
11552063	Separation and purification of nucleic acid from paraffin-containing samples	Pending
9732914	Use of multiple recombination sites with unique specificity in recombinational cloning	Issued
10640422	Use of multiple recombination sites with unique specificity in combinational cloning	Issued
11971052	Use of multiple recombination sites with unique specificity in combinational cloning	Pending
27189117	Ter sites and ter binding proteins	Pending
2008154222	Ter sites and ter binding proteins	Pending
527679	Ter sites and ter binding proteins	Issued
10633690	Compounds and methods for molecular biology	Pending
11106715	Compositions and methods for molecular biology	Pending
9808124	High fidelity reverse transcriptases and uses thereof	Issued
11265159	High fidelity reverse transcriptases and the uses thereof	Pending
9845157	Thermostable reverse transcriptases and uses thereof	Issued
11437681	Thermostable reverse transcriptases and uses thereof	Pending
10105937	Culture medium for cell growth and transfection	Pending
11552783	Culture medium for cell growth and transfection	Pending
9852093	Method, system, and computer program product for measuring unit activity of an enzyme	Issued
11369715	Method for introducing antisense oligonucleotides into eucaryotic cells	Pending
12052682	Dna polymerase blends and mutant dna polymerases	Pending
12152606	Compositions and methods for use in isolation of nucleic acid molecules	Pending
10014128	Compositions and methods for rapidly generating recombinant nucleic acid molecules	Issued
12112649	Methods and compositions for generating recombinant nucleic acid molecules	Pending
9245615	Microarrays and uses therefor	Pending
10035368	Microarrays and uses therefor	Pending
8839468	Morphotides-novel shape and structure libraries	Issued
9274711	Methods useful for nucleic acid sequencing using modified nucleotides comprising phenylboronic acid	Issued
9937837	Delivery of functional protein sequences by translocating polypeptides	Issued
10046667	Reagent for the isolation of rna	Issued
8221939	System for ph-neutral longlife precast electrophoresis gel	Issued
8730678	System for ph-neutral stable electrophoresis gel	Issued
9228875	System for ph-neutral stable electrophoresis gel	Issued
9229392	System for ph-neutral stable electrophoresis gel	Issued
9229388	System for ph-neutral stable electrophoresis gel	Issued
9228813	System for ph-neutral stable electrophoresis gel	Issued
9728378	System for ph-neutral stable electrophoresis gel	Issued
10369565	System for ph-neutral stable electrophoresis gel	Allowed

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
9012257	Sample buffer and methods for high resolution gel electrophoresis of denatured nucleic acids	Issued
9059604	Gel electrophoresis apparatus having cam-activated clamp and methods of use	Issued
9546574	Methods and articles for labeling polymer gels	Issued
10272822	Methods, articles and kits for labeling polymer gels	Issued
12039705	Methods, articles and kits for labeling polymer gels	Pending
11475260	Liquid protein markers for native gel electrophoresis	Pending
9935280	Methods and reagents for directional cloning using topoisomerase	Issued
11053187	Methods and reagents for molecular cloning	Pending
11736803	Methods of random mutagenesis and methods of modifying nucleic acids using translesion dna polymerases	Pending
10091538	Improved in vitro synthesis system	Pending
8119313	Direct cloning of pcr amplified nucleic acids	Issued
8683237	Direct cloning of pct amplified nucleic acids	Issued
8518835	System for isolating and identifying eukaryotic cells transfected with genes and vectors, host cells and methods thereof	Issued
9315363	Apparatus and method for concurrent chemical synthesis	Issued
9875204	Apparatus and method for concurrent chemical synthesis	Pending
12127790	Dna polymerases and mutants thereof	Pending
10102188	Methods and apparatus for electrophoresis of prior-cast, hydratable separation media	Issued
10464258	Methods and apparatus for low resistance electrophoresis of prior-cast, hydratable separation media	Allowed
9906792	Device and methods for subdividing and filtering gel material and extracting molecules therefrom	Issued
11840164	Highly homogeneuous molecular markers for electrophoresis	Pending
8716680	Plastic mold for electrophoresis gel	Issued
10005876	Methods and compositions for synthesis of nucleic acid molecules using multiple recognition sites	Issued
10792035	Methods and compositions for synthesis of nucleic acid molecules using multiple recognition sites	Issued
11612445	Methods and compositions for synthesis of nucleic acid molecules using multiple recognition sites	Pending
11612957	Methods and compositions for synthesis of nucleic acid molecules using multiple recognition sites	Pending
11873313	Pseudo-tissues and uses thereof	Pending
10445097	Nested pcr employing degradable primers	Issued
8573620	Coated plastic mold for electrophoresis gel	Issued
11434513	Dry powder cell culture products containing lipid and methods of production thereof	Pending
10622088	Viral vectors containing recombination sites	Pending
8093105	Method and apparatus for drying electrophoresis gels	Issued
8511183	Method and apparatus for drying electrophoresis gels	Issued
10618852	Method for providing genomic clones	Pending

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
8518598	Covalently cross-linked, mixed-bed agarose-polyacrylamide matrices for electrophoresis and chromatography	Issued
10762492	Rapid growing microorganisms for biotechnology applications	Pending
9881565	Method for rapid amplification of dna	Issued
11741596	Method for rapid amplification of dna	Pending
12019785	Methods and compositions for detecting promoter activity and expressing fusion proteins	Pending
11427580	Cell line and methods for determining viral titer	Pending
12176664	Cell line and methods for determining viral titer	Pending
12189665	Compositions and methods for preparing short rna molecules and other nucleic acids	Pending
10870131	Chamber-forming electrophoresis cassette cover	Issued
10805536	Novel attached cell lines	Issued
12112803	Methods and compositions for seamless cloning of nucleic acid molecules	Pending
10821128	Methods of synthesizing and labeling nucleic acid molecules	Pending
10895427	Solution phase electrophoresis device, components, and methods	Pending
10843526	Solution phase electrophoresis device, components, and methods	Pending
10946472	Composite compositions for electrophoresis	Pending
9633172	A facile method and apparatus for the analysis of biological macromolecules in two dimensions using common and familiar electrophoresis formats	Allowed
10949471	Homogenous populations of molecules	Pending
10948453	Apparatus for concurrent electrophoresis in a plurality of gels	Pending
10961308	Isoelectric focusing gels and methods of use thereof	Pending
8882756	Recombinase mediated dna therapies	Issued
9301153	Recombinase mediated dna modifications	Issued
8353079	Method and kit for detecting nucleic acid cleavage utilizing a covalently attached fluorescent tag	Issued
8626520	Method for detecting and quantitating nucleic acid impurities in biochemical preparations	Issued
9467628	A method for quantitating competitive binding of molecules to proteins utilizing fluorescence polarization	Issued
8904376	Compositions for cytochrome p450 biotransformation reactions	Issued
11537034	Kinase and phosphatase activity measurement using fluorescence polarization	Pending
9239355	Process for reverse transcriptase activity measurement using fluorescence polarization	Issued
9344995	Process for glucuronidation screening	Issued
9455202	Process for glucuronidation screening	Issued
7980283	Quantitative detection of macromolecules with fluorescent oligonucleotides	Issued
9030872	Quantitative detection of macromolecules with fluorescent oligonucleotides	Issued
10954951	Compositions and methods for synthesizing, purifying and detecting	Pending

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
	biomolecules	
8878801	Promiscuous g-protein compositions and their use	Issued
9118497	Photon reducing agents for fluorescence assays	Issued
9120516	Photon reducing agents for reducing undesired light emission in assays	Issued
9122477	Photon reducing agents for use in fluorescence assays	Issued
9759629	Photon reducing agents for fluorescence assays	Issued
11047074	Photon reducing agents for fluorescence assays	Pending
9129192	Fluorescent protein sensors of post-translational modifications	Issued
11775067	Fluorescent protein sensors of post-translational modifications	Pending
9067612	Use of inhibitors in reporter assays	Issued
9167040	Non-optimal kozaks sequences	Issued
9306542	Optical probes and assays	Issued
11780059	Optical probes and assays	Pending
9301395	Optical molecular sensors for cytochrome p450 activity	Issued
9301525	Optical molecular sensors for cytochrome p450 activity	Issued
9995961	Optical molecular sensors for cytochrome p450 activity	Issued
9458927	Optical molecular sensors for cytochrome p450 activity	Issued
10327022	Method for detecting the interaction of compounds with cytochrome p450 using optical molecular sensors (as amended on 1/17/2006)	Issued
11531136	Optical molecular sensors for cytochrome p450 activity	Pending
11953770	Optical molecular sensors for cytochrome p450 activity	Pending
11371240	Modified fluorescent proteins	Pending
10903529	Kinase and phosphatase assays	Pending
11485957	Kinase and phosphatase assays	Pending
10936343	Multiplex binding and activity assays	Pending
11000371	Nucleic acid molecules containing recombination sites and methods of using the same	Pending
9736632	Isolation of nucleic acids	Issued
12137125	Isolation of nucleic acids	Pending
10111064	Magnetic particle composition	Issued
10516203	Materials and methods relating to polyions and substance delivery	Issued
10516204	Methods,compositions and kits for cell separation	Pending
12056858	Tagged polyfunctional reagents capable of reversibly binding target substances in a ph-dependent manner	Pending
10565951	Nucleic acid isolation	Pending
29202527	Plunger	Issued
12062031	Target sequences for synthetic molecules	Pending
11131744	Compositions, kits, and methods for calibration in mass spectrometry	Pending
10971606	Compositions, methods and kits for biarsenical fluorophore labeling	Pending
10996737	Methods, compositions, and kits for protein crystallization	Pending
9156323	Sense mrna therapy	Pending
12185012	Sense mrna therapy	Pending
10357826	Oligonucleotide compositions with enhanced efficiency	Pending
11776313	Double-stranded oligonucleotides	Pending

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
12062380	Double-stranded oligonucleotides	Pending
11556149	Methods of light activated release of ligands from endosomes	Pending
29195865	Gel cassette opener	Issued
10749348	Waveguide comprising scattered light detectable particles	Allowed
11497093	Labels, containers, system and method for providing reagents	Pending
12135988	Labels, containers, system and method for providing reagents	Pending
11535960	In vitro protein synthesis systems for membrane proteins that include adolipoproteins and phospholipid adolipoprotein particles	Pending
12040798	Isolated phospholipid-protein particles	Pending
PCTUS0855 567	Isolated phospholipid-protein particles	Pending
11446562	Method for analyzing biological data sets	Pending
11407910	Electroporation apparatus and methods	Pending
29228061	Electroporation vessel	Issued
11733112	Fluidic methods for devices for parallel chemical reactions	Pending
10533208	Array oligomer synthesis and use	Pending
11748680	Apparatus and method for fluid delivery to a hybridization station	Pending
12045514	Method for providing microarrays	Pending
9360786	Optical device utilizing optical waveguides and mechanical light-switch	Issued
11222029	Ssb-dna polymerase fusion proteins	Pending
11552505	Three frame cdna expression libraries for functional screening of proteins	Pending
11555975	Materials and methods for the purification of polyelectrolytes, particularly nucleic acids	Pending
12179526	Method for quantifying phosphokinase activity on proteins	Pending
11869686	Methods and compositions for diagnosing neoplastic disease	Pending
12189051	Methods and compositions for diagnosing neoplastic disease	Pending
10087229	Methods of using fet labeled oligonucleotides that include a 3'-5' exonuclease resistant quencher domain and compositions for practicing the same	Issued
10222943	Methods of using fet labeled oligonucleotides that include a 3'-5' exonuclease resistant quencher domain and compositions for practicing the same	Issued
11198924	Methods of using fet labeled oligonucleotides that include a 3'-5' exonuclease resistant quencher domain and compositions for practicing the same	Pending
11530915	Methods of using fet labeled oligonucleotides that include a 3'-5' exonuclease resistant quencher domain and compositions for practicing the same	Pending
12197739	Methods of using fet labeled oligonucleotides that include a 3'-5' exonuclease resistant quencher domain and compositions for practicing the same	Pending
11567726	E-commerce systems and methods	Pending
11674657	Transilluminator base and scanner for imaging fluorescent gels	Pending
11764170	Transilluminator base and scanner for imaging fluorescent gels	Pending

Serial Number	Title	Application Status
11614785	Compositions and methods for improving resolution of biomolecules separated on polyacrylamide gels	Pending
11781251	Sharply resolving labeled protein molecular weight standards	Pending
11624686	Methods for measuring real time kinase activity	Pending
11672841	Cellular assays for signaling receptors	Pending
11669105	Compositions and methods for detecting and quantifying toxic substances in disease states	Pending
11773544	Media for high level protein expression in bacteria	Pending
12168023	Versatile media for high level protein expression in bacteria	Pending
11837180	Sensor proteins and assay methods	Pending
11766003	Composition and methods for expressing reporter molecules in mammalian cells	Pending
11870795	System and method for identifying test kit types	Pending
9566014	A method of detecting an analyte in a sample using semiconductor nanocrystals as detectable labels	Issued
9887914	A method of detecting an analyte in a sample using semiconductor nanocrystals as detectable labels	Issued
12123446	A method of detecting an analyte in a sample using semiconductor nanocrystals as detectable label	Pending
9815510	Loop probe hybridization assay for polynucleotide analysis	Issued
9815585	Methods of using semiconductor nanocrystals in bead-based nucleic acid assays	Issued
10716063	Loop probe hybridization assay for polynucleotide analysis	Issued
9766273	Oligonucleotide-tagged semiconductor nanocrystals for microarray and fluorescence in situ hybridization	Pending
9827013	Differentiable spectral bar code methods and systems	Issued
9827256	Spatial positioning of spectrally labeled beads	Issued
9827076	Two-dimensional spectral imaging system	Issued
10832635	Two-dimensional spectral imaging system	Pending
10374652	Micelles comprising semiconductor nanocrystals and uses thereof	Pending
10735608	Method for enhancing transport of semiconductor nanocrystals across biological membranes	Pending
11682063	Cells having a spectral signature and methods of preparations and use thereof	Pending
11776537	Proteome standards for mass spectrometry	Pending
11848412	Methods, cassettes, gels and apparatuses for isolation and collection of biomolecules from electrophoresis gels	Pending
9557275	Aza-benzazolium containing cyanine dyes	Issued
10683753	Aza-benzazolium containing cyanine dyes	Issued
11756765	Aza-benzazolium containing cyanine dyes	Pending
11675030	Modified carbocyanine dyes and their conjugates	Pending
11675033	Modified carbocyanine dyes and their conjugates	Pending
11675037	Modified carbocyanine dyes and their conjugates	Pending
12129671	Modified carbocyanine dyes and their conjugates	Pending
12129641	Modified carbocyanine dyes and their conjugates	Pending

Serial Number	Title	Application Status
10118204	Antibody complexes and methods for immunolabeling	Pending
10467550	Antibody complexes and methods for immunolabeling	Pending
12047131	Antibody complexes and methods for immunolabeling	Pending
12060834	Labeling of immobilized proteins using dipyrrometheneboron difluoride dyes	Pending
11552275	Compositions and methods for detection and isolation of phosphorylated molecules	Pending
11697103	Compositions and methods for detection and isolation of phosphorylated molecules	Pending
11871031	Site-specific labeling of affinity peptides in fusion proteins	Pending
12117689	Site-specific labeling of affinity tags in fusion proteins	Pending
12099020	Unsymmetrical cyanine dimer compounds and their application	Pending
11782244	Cyanine compounds and their application as quenching compounds	Pending
10980139	Fluorinated resorufin compounds and their application	Allowed
12015476	Fluorinated resorufin compounds and their application	Pending
12040850	Environmental sensitive fluorogenic compounds and their application for singlet oxygen and protein detection	Pending
11871596	Pyrenyloxysulfonic acid fluorescent agents	Pending
12099085	Optically-detectable enzyme substrates and their method of use	Pending
11054758	Composition, method and kit for reducing background staining	Pending
11873185	Composition, method and kit for reducing background staining	Pending
11873281	Composition, method and kit for reducing background staining	Pending
11157467	Fluorescent isotope tags and their method of use	Pending
12177057	Fluorescent isotope tags and their method of use	Pending
12180273	Fluorescent metal ion indicators with large stokes shifts	Pending
11870238	Chemical probe compounds that become fluorescent upon reduction, and methods for their use	Pending
11674140	Labeling and detection of post translationally modified proteins	Pending
11674136	Oligosaccharide modification and labeling of proteins	Pending
11674623	Labeling and detection of nucleic acids	Pending
11535458	Violet laser excitable dyes and their method of use	Pending
12057258	Control of chemical modification	Pending
11555127	Immunosorbent assay support and method of use	Pending
11626842	Device and methods for quantifying analytes	Pending
12158641	Fluorescent ion indicators for cadmium and lanthanide ion detection	Pending
12096790	Optical in vivo imaging contrast agents and methods of use	Pending
11772063	Uniform fluorescent microsphere with hydrophobic surfaces	Pending
11774554	Fluorogenic protein kinase substrates	Pending
10032809	Flow synthesis of quantum dot nanocrystals	Issued
10726716	Flow synthesis of quantum dot nanocrystals	Issued
9846430	Methods and compositions for polynucleotide analysis using generic capture sequences	Issued
9841237	Surface-modified semiconductive and metallic nanoparticles having enhanced dispersibility in aqueous media	Issued
10716971	Surface-modified semiconductive and metallic nanoparticles having	Issued

Serial Number	Title	Application Status
	enhanced dispersibility in aqueous media	
10717288	Surface-modified semiconductive and metallic nanoparticles having enhanced dispersibility in aqueous media	Issued
12013371	Method for preparing surface-modified semiconductive and metallic nanoparticles having enhanced dispersibility in aqueous media	Pending
10198635	Luminescent nanoparticles and methods for their preparation	Issued
10985249	Luminescent nanoparticles and methods for their preparation	Issued
11670565	Methods for the preparation of luminescent nanoparticles using two solvents	Pending
10263366	Method of semiconductor nanoparticle synthesis	Issued
11564160	Method of semiconductor nanocrystal synthesis	Pending
11011827	Preparation of stable, bright luminescent nanoparticles having compositionally engineered properties	Pending
12027133	Quantum dot-encoded bead set for calibration and quantification of multiplexed assays, and methods for their use	Pending
12054332	Isolation of nucleic acid	Pending
12130926	Isolation of nucleic acid	Pending
12130959	Isolation of nucleic acid	Pending
9794230	Simultaneous stimulation and concentration of cells	Issued
9960264	Simultaneous stimulation and concentration of cells	Issued
10133236	Simultaneous stimulation and concentration of cells	Issued
10187467	Activation and expansion of cells	Pending
10350305	Activation and expansion of cells	Pending
10762210	Activation and expansion of cells	Allowed
10984351	Activation and expansion of cells	Pending
11001921	Activation and expansion of cells	Pending
11070841	Activation and expansion of cells	Pending
11091361	T cell therapy for the treatment of cachexia and chronic diseases	Pending
11627279	Compositions and methods for restoring immune responsiveness in patients with immunological defects	Pending
10729822	Compositions and methods for eliminating undesired subpopulations of t cells in patients with immunological defects related to autoimmunity and organ or hematopoietic stem cell transplantation	Pending
10900046	Compositions and methods for eliminating undesired subpopulations of t cells in patients with immunological defects related to autoimmunity and organ or hematopoietic stem cell transplantation	Pending
11674304	Generation and isolation of antigen-specific t cells	Pending
10946912	Compositions and methods to accelerate hematologic recovery	Pending
11400071	Compositions and methods for the treatment of burns and sepsis	Pending
12041482	Immunoassay for cross-reacting substances	Pending
12180473	Cell culture processing devices and methods	Pending
10251467	Method for using division arrested cells in screening assays	Issued
11775708	Method for using division arrested cells in screening assays	Pending
12138218	Method for using division arrested cells in screening assays	Pending
11813413	Cell free assay for determining a substance of interest and molecular	Pending

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
	complexes used therefore	
11915689	Multiplex array useful for assaying protein-protein interaction	Pending
11687549	Methods for assaying protein-protein interactions	Pending
11927588	Fluorogenic ph sensitive dyes and their method of use	Pending
12016415	Compositions and methods for genetic manipulation and monitoring of cell lines	Pending
11966747	Detection apparatus	Pending
11874117	Methods for hla typing	Pending
9436159	Functionalized nanocrystals and their use in labeling for strand synthesis or sequence determination	Issued
9437076	Nanocrystals having polynucleotide strands and their use to form dendrimers in a molecular amplification system	Issued
9904744	Nanocrystals having polynucleotide strands and their use to form dendrimers in a signal amplification system	Issued
10975642	Nanocrystals having polynucleotide strands and their use to form dendrimers in a signal amplification system	Pending
9372729	Functionalized nanocrystals and their use in detection systems	Issued
9394635	Functionalized nanocrystals as visual tissue-specific imaging agents, and methods for fluorescence imaging	Issued
10367063	Fluorescent nanocrystal-embedded microspheres for fluorescence analyses	Issued
10417303	Fluorescent ink compositions comprising functionalized fluorescent nanocrystals	Issued
10842327	Methods for identification and verification	Issued
10884528	Fluorescent ink compositions comprising functionalized fluorescent nanocrystals	Pending
9577761	Fluorescent nanocrystal-labeled microspheres for fluorescence analysis	Issued
9590421	Purification of functionalized fluorescent nanocrystals	Issued
9633953	Fluorescent nanocrystal-embedded microspheres for fluorescence analyses	Issued
9755407	Fluorescent ink compositions comprising functionalized fluorescent nanocrystals	Issued
9783469	Functionalized encapsulated fluorescent nanocrystals	Issued
10866929	Functionalized encapsulated fluorescent nanocrystals	Issued
11301050	Functionalized encapsulated fluorescent nanocrystals	Issued
10245082	Nanocrystals	Issued
10409940	Functionalized fluorescent nanocrystal compositions and methods of making	Issued
10410108	Highly luminescent functionalized semiconductor nanocrystals for biological and physical applications	Issued
10952701	Nanocrystals	Issued
11685343	Functionalized fluorescent nanocrystal compositions and methods for their preparation	Pending
9419134	Fluorescence filter cube for fluorescence detection and imaging	Issued
9458752	Lipophilic, functionalized nanocrystals and their use for fluorescence	Issued

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
	labeling of membranes	
9468418	Continuous flow process for production of semiconductor nanocrystals	Issued
11130567	Functionalized fluorescent nanocrystal detection system	Pending
11206403	Synthesis of highly luminescent colloidal particles	Pending
11261861	Functionalized fluorescent nanocrystals, and methods for their preparation and use	Issued
12041589	Functionalized fluorescent nanocrystals, and methods for their preparation and use	Pending
12023019	Labeling reagents and methods of their use	Pending
11554553	Kinase and ubiquination assays	Pending
11781124	Kinase and ubiquination assays	Pending
11939484	Methods and kits for detecting prostate cancer biomarkers	Pending
12047997	Adhering surfaces	Pending
12040800	Methods for selecting cells with enhanced growth and production properties	Pending
12122607	Rapid protein labeling and analysis	Pending
12058531	Compositions and methods for reusing arrays	Pending
8702659	Chromatography material	Issued
10168467	Chromatography material and a method using same	Issued
10599489	Filter with support cage	Pending
9462517	Compositions and methods for identifying modulators of transducisomes, a new class of therapeutic targets	Issued
11501473	Compositions and methods for identifying modulators of transducisomes, a new class of therapeutic targets	Pending

Schedule B
Trademarks and Trademark Applications

Trademark	Serial No.	Reg. No.
ADAPTA	77448907	N/A
AIM V	73659594	1481343
ALBUMAX	74059119	1719256
ALGIMATRIX	77512570	N/A
ALIGNX	75565659	2353298
AMBISOLV	76487331	2977183
BAC-TO-BAC	74635043	2109445
BACULOSOMES	75251424	2203572
BEACON	78162870	3081543
BIOPIXELS	76351860	2981335
BIOPLOT	75565658	2353297
BIOPRIME	74193197	1796670
CASCADE BIOLOGICS	76310898	2762479
CDNA CYCLE	74094975	1768329
CELLFECTIN	75164338	2085981
CELLSENSOR	76137805	3029571
CELL-PORATOR	73789400	1614682
CLONASE	75682538	2585782
CONTIGEXPRESS	75876344	2398119
COT-1 DNA	74164239	1828726
DES	75365005	2227652
DH5	74082996	1682542
DRYEASE	74431239	1840412
DYNABEADS	73624693	1525023
DYNAPLEX	78519202	3041296
E-GEL	75488297	2384587
ELONGASE	74628231	2044495
EPI LIFE	75789031	2399800
EXPRESS FIVE	74628232	2072285
FASTTRACK	75365002	2230273
GATEWAY	75601200	2598338
GEL-MIX	73780290	1564073
GELTREX	77512626	N/A
GENEBLAZER	76028479	2579833
GENEHOGS	75341746	2254309
GENERACER	76013179	2610352
GENESTORM	75433616	2286587
GENETICIN	73417562	1373340
GENETRAPPER	75008382	2082252
GENOMAX	75884386	2502992
GENOMBENCH	76444156	3169054
GIBCO	76244699	2694749
HISTOSTAIN	75220975	2125600
HORIZON	73713899	1539021
IBLOT	77081390	3342803

Trademark	Serial No.	Reg. No.
INFORMAX	75891644	3037009
INVITROGEN	78205822	2915159
INVITROGEN (STYLIZED)	75912326	2729601
JETQUICK	77472435	N/A
JETSTAR	77472442	N/A
KARYOMAX	74350547	1856148
LABSHARE	76443027	2914862
LANTHASCREEN	77449034	N/A
LIBRARY EFFICIENCY (SEE REMARK)	75161465	2084057
LIFE TECHNOLOGIES	77592675	N/A
LIFE TECHNOLOGIES	75266108	2250787
LINNEA	77210069	N/A
LIPOFECTIN	73789399	1595907
MAK-6	73602903	1429707
MAPPAIRS	75341538	2240330
MAPP-DS	77512481	N/A
MATCHPRO	78519221	3041299
MAX EFFICIENCY	73780291	1618226
MOUNTAIN DESIGN (DESIGN MARK)	76310897	2784739
MOZAIC	78454972	3204978
MULTI-MARK	74573820	1994069
MYARRAY	76206983	2531974
NEUROBASAL	77168069	3478886
NOVEX	78420228	3040431
NUPAGE	74315047	1772718
OMNIA	78675753	3303813
ONE SHOT (FOR COMP CELLS)	75365003	2245581
OPTIMAB	74439495	1840214
OPTI-MEM (STYLIZED)	73524026	1377838
PANVERA	78162873	2761850
PATHBLAZER	78153691	2885090
PD-DIRECT	77118975	3447580
PHYTAGAR	73207574	1186260
PLATINUM	75298002	2162046
POWEREASE	75248539	2130605
PROCELL	77569894	N/A
PROTOARRAY	78140821	3064213
PURELINK	77472411	N/A
PZERO (STYLIZED)	75365000	2250997
QDOT	78573073	N/A
RANGER	77529931	N/A
REACT (STYLIZED)	73612202	1466813
RECO	75251874	2197222
REVOLUTION	77119010	3447581
RLSYSTEM	76381179	2728360
SECORE	76551242	N/A
SEEBLUE	74554587	1923165
SELECTSCREEN	77448997	N/A

Trademark	Serial No.	Reg. No.
SILVERXPRESS	74551780	1931074
SOFTWARE SOLUTION FOR BIO-MEDI	75877158	2437731
SPOT-LIGHT	77378903	N/A
SPOT-LIGHT	76154297	2531768
STAINASE	75040887	2085405
STEALTH	78506277	N/A
STEALTH RNAI	78265679	N/A
STEMPRO	75161446	2087702
SUPERSCRIPT	78207004	2877128
SYNTH-A-FREEZE	75829704	2413904
TA CLONING	74107159	1739305
THE PROTEIN COMPANY (SUPPLEMENTAL)	76037345	2652836
TOPO	75365004	2227651
UNICHECK	76422395	2762728
UNIMATCH	76097356	2490496
UNITRAY	76097355	2533819
UTYPE	78734788	3299418
VECTOR NTI	74531175	1923416
VECTOR NTI ADVANCE	76443022	2826098
VECTOR XPRESSION	76443026	2826099
VIVID	76028480	2583327
WESTERNBREEZE	75465638	2388290
WETWARE	75582439	2545174
XCELL SURELOCK	75864264	2598637
XCELLERATED T CELLS	76242167	2971109
XCYTE	78110587	2987966
XEOCHIP	76416946	2792578
XEOTRON	76416947	2789621
XEOTRON AND X LOGO	76406384	2792539
ZERO BLUNT	75365001	2230272
Z'-LYTE	78421879	2965252
ZOOM	75864266	2459335
ZOOM	75864265	2495596
ZYMED	75177103	2093221

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