

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
Molecular Probes, Inc.	11/21/2008

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

PROPERTY NUMBERS Total: 97

Property Type	Number
Application Number:	07083458
Application Number:	07083459
Application Number:	07994992
Application Number:	07410837
Application Number:	07509360
Application Number:	08028319
Application Number:	07623600
Application Number:	08484151
Application Number:	07629596
Application Number:	07654881
Application Number:	07704287
Application Number:	07748860
Application Number:	08088894
Application Number:	07749255

PATENT

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Application Number:	08026633
Application Number:	08336285
Application Number:	08638261
Application Number:	08910090
Application Number:	08180763
Application Number:	07783182
Application Number:	07786767
Application Number:	08045758
Application Number:	07833006
Application Number:	07843360
Application Number:	07882299
Application Number:	08247108
Application Number:	08038918
Application Number:	08375360
Application Number:	08043665
Application Number:	08090890
Application Number:	08146328
Application Number:	08148847
Application Number:	08206081
Application Number:	08914439
Application Number:	08063870
Application Number:	08143440
Application Number:	08383298
Application Number:	08180543
Application Number:	08246790
Application Number:	08247013
Application Number:	08336284
Application Number:	08384945
Application Number:	08798390
Application Number:	08400026
Application Number:	08444895
Application Number:	08485033
Application Number:	09129015
Application Number:	08544226
Application Number:	09266697

Application Number:	08702396
Application Number:	08696544
Application Number:	08631202
Application Number:	09632251
Application Number:	08856422
Application Number:	08686858
Application Number:	08740184
Application Number:	08749684
Application Number:	08749753
Application Number:	08845301
Application Number:	08862746
Application Number:	08935963
Application Number:	09429739
Application Number:	09556464
Application Number:	09652905
Application Number:	09664315
Application Number:	09495882
Application Number:	09570343
Application Number:	09632927
Application Number:	09922333
Application Number:	10713670
Application Number:	11560579
Application Number:	09968401
Application Number:	09969853
Application Number:	11150596
Application Number:	11313890
Application Number:	09970215
Application Number:	11182122
Application Number:	10026302
Application Number:	10634336
Application Number:	11538010
Application Number:	10005050
Application Number:	10428192
Application Number:	10703816
Application Number:	10821522

Application Number:	10840712
Application Number:	12167210
Application Number:	10916822
Application Number:	10943463
Application Number:	10956868
Application Number:	11005861
Application Number:	11005860
Application Number:	11241323
Application Number:	11199641
Application Number:	11218032
Application Number:	11622900
Application Number:	11371465
Application Number:	11432814

CORRESPONDENCE DATA

Fax Number: (212)859-4000

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Email: teas@friedfrank.com

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Address Line 2: Fried, Frank, Harris, Shriver & Jacobson

Address Line 4: New York, NEW YORK 10004

ATTORNEY DOCKET NUMBER:	30029-191
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NAME OF SUBMITTER:	Arianne de Govia
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Total Attachments: 9

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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, Molecular Probes, Inc., an Oregon corporation (the "Grantor"), having its chief executive office at 29851 Willow Creek Road, Eugene, Oregon, 97402, 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.

MOLECULAR PROBES, INC., as Grantor

By: David H. Smith

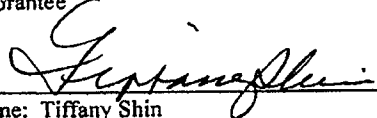
Name: David H. Smith

Title: Authorized Officer

[Molecular Probes, Inc. – Signature Page for Short Form IP Security Agreement]

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

By: _____


Name: Tiffany Shin

Title: Assistant Vice President

Signature Page - IP Security Agreement

Schedule A
Patents and Patent Applications

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
7083458	Chemically reactive dipyrrometheneboron difluoride dyes	Issued
7083459	Xanthene dyes having a fused (c) benzo ring	Issued
7994992	Fluorescent chloramphenicol derivatives for determination of chloramphenicol acetyltransferase activity	Issued
7410837	Chemically reactive pyrenyloxy sulfonic acid dyes	Issued
7509360	Certain tricyclic and pentacyclic-hetero nitrogen rhodol dyes	Issued
8028319	Biological conjugates of fluorescent rhodol dyes	Issued
7623600	Lipophilic fluorescent glycosidase substrates	Issued
8484151	Dipyrrometheneboron difluoride labeled fluorescent microparticles	Issued
7629596	Long wavelength heteroaryl -substituted dipyrrometheneboron difluoride dyes	Issued
7654881	Fluorescent fatty acids derived from dipyrrometheneboron difluoride dyes	Issued
7704287	Ethenyl-substituted dipyrrometheneboron difluoride dyes and their synthesis	Issued
7748860	Enzymatic analysis using substrates that yield fluorescent precipitates	Issued
8088894	Enzymatic analysis using substrates that yield fluorescent precipitates	Issued
7749255	Long wavelength lipophilic fluorogenic glycosidase substrates	Issued
8026633	Fluorescent haloalkyl derivatives of reporter molecules well returned in cells	Issued
8336285	Fluorescent haloalkyl derivatives of reporter molecules well returned in cells	Issued
8638261	Photolabile caged ionophores and method of using in a membrane separation process	Issued
8910090	Haloalkyl derivatives of reporter molecules used to analyze metabolic activity in cells	Issued
8180763	Dimers of unsymmetrical cyanine dyes	Issued
7783182	Dual-fluorescence cell viability assay using ethidium homodimer and calcein am	Issued
7786767	Long wavelength chemically reactive dipyrrometheneboron difluoride dyes and conjugates	Issued
8045758	Long wavelength chemically reactive dipyrrometheneboron difluoride dyes and conjugates	Issued
7833006	Unsymmetrical cyanine dyes with a cationic side chain	Issued
7843360	Reactive derivatives of bapta used to make ion-selective chelators	Issued
7882299	Fluorescent microparticles with controllable enhanced stokes shift	Issued
8247108	Fluorescent labeling using microparticles with controllable stokes shift	Issued
8038918	Fluorescent ion-selective diaryldiaza crown ether conjugates	Issued
8375360	Fluorescent ion-selective diaryldiaza crown ether conjugates	Issued

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
8043665	Dimers of unsymmetrical cyanine dyes containing pyridinium moieties	Issued
8090890	Cyclic-substituted unsymmetrical cyanine dyes	Issued
8146328	Fluorescent assay for bacterial gram reaction	Issued
8148847	Fluorescent viability assay using cyclic-substituted unsymmetrical cyanine dyes	Issued
8206081	Intravacuolar stains for yeast and other fungi	Issued
8914439	Chemically reactive unsymmetrical cyanine dyes and their conjugates	Issued
8063870	Phenanthridium dye staining of nucleic acids in living cells	Issued
8143440	Xanthylum dyes that are well retained in mitochondria	Issued
8383298	Xanthylum dyes that are well retained in mitochondria	Issued
8180543	Photocleavable derivatives of hydroxypyrenesulfonic acids	Issued
8246790	Dibenzopyrrometheneboron difluoride dyes	Issued
8247013	Benzazolylicoumarin-based ion indicators	Issued
8336284	Alpha-carboxy caged compounds	Issued
8384945	Methods of sensing with fluorescent conjugates of metal-chelating nitrogen heterocycles	Issued
8798390	Fluorescent conjugates of metal-chelating nitrogen heterocycles	Issued
8400026	Neutral unsymmetrical cyanine dyes	Issued
8444895	Merocyanine dye protein stains and non-specific methods of use	Issued
8485033	Reactive derivatives of sulforhodamine 101 with enhanced hydrolytic stability	Issued
9129015	Reactive derivatives of sulforhodamine 101 with enhanced hydrolytic stability	Issued
8544226	Stains for acidic organelles	Issued
9266697	Cyanine dyes that stain cells and mitochondria	Issued
8702396	Lipophilic cyanine dyes with enhanced solubility and fluorescence	Issued
8696544	Dye labeled polymers as reagents for measuring polymer degradation	Issued
8631202	Fluorinated xanthene derivatives	Issued
9632251	Synthesis of fluorinated xanthene derivatives	Issued
8856422	Long wavelength dyes for infrared tracing	Issued
8686858	Conjugates of sulforhodamine fluorophores with enhanced fluorescence	Issued
8740184	Microspheres with fluorescent spherical zones	Issued
8749684	Derivatives of 6,8-difluoro-7-hydroxycoumarin	Issued
8749753	Sulfonated derivatives of 7-aminocoumarin	Issued
8845301	Assay for glutathione transferase using polyhaloaryl-substituted reporter molecules	Issued
8862746	Fluorescent labeling reagents	Issued
8935963	Sulfonated xanthene derivatives	Issued
9429739	Luminescent protein stains and their method of use	Issued
9556464	Xanthene dyes and their application as luminescence quenching compounds	Issued

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
9652905	Luminescent europium-based protein stains and their method of use	Issued
9664315	Phosphate-bound polyazaindacene derivatives of nucleotides	Issued
9495882	Detection of phosphate using coupled enzymatic reactions	Issued
9570343	Quenching oligonucleotides	Issued
9632927	Carbazolylvinyl dye protein stains	Issued
9922333	Derivatives of 1,2-dihydro-7-hydroxyquinolines containing fused rings	Issued
10713670	Derivatives of 1,2-dihydro-7-hydroxyquinolines containing fused rings	Issued
11560579	Derivatives of 1,2-dihydro-7-hydroxyquinolines containing fused rings	Pending
9968401	Modified carbocyanine dyes and their conjugates	Issued
9969853	Modified carbocyanine dyes and their conjugates	Issued
11150596	Intermediates and the synthesis of modified carbocyanine dyes and their conjugates	Pending
11313890	Modified carbocyanine dyes and their conjugates	Pending
9970215	Reagents for labeling biomolecules having aldehyde or ketone moieties	Issued
11182122	Reagents for labeling biomolecules having aldehyde or ketone moieties	Pending
10026302	Crown ether derivatives	Issued
10634336	Crown ether derivatives	Issued
11538010	Crown ether derivatives	Pending
10005050	Labeling of immobilized proteins using dipyrrometheneboron difluoride dyes	Issued
10428192	Compositions and methods for detection and isolation of phosphorylated molecules	Issued
10703816	Compositions and methods for detection and isolation of phosphorylated molecules	Pending
10821522	Compositions and methods for detection and isolation of phosphorylated molecules	Allowed
10840712	Zinc binding compounds and their method of use	Pending
12167210	Zinc binding compounds and their method of use	Pending
10916822	Cyanine compounds and their application as quenching compounds	Issued
10943463	Competitive immunoassay	Issued
10956868	Detection of immobilized nucleic acid	Pending
11005861	Methine-substituted cyanine dye compounds	Pending
11005860	Cyanine dye compounds	Allowed
11241323	Lipophilic dyes and their application for detection of myelin	Pending
11199641	Selective detection of proteins that contain two or more alpha-helical transmembrane domains	Pending
11218032	Microplates containing microsphere fluorescence standards, and methods for their use	Pending

<u>Serial Number</u>	<u>Title</u>	<u>Application Status</u>
11622900	Heavy metal binding compounds and their method of use	Pending
11371465	Monitoring and manipulating cellular transmembrane potentials using nanostructures	Pending
11432814	Fluorescent chemical compounds having high selectivity for double stranded dna, and methods for their use	Pending

Schedule B
Trademarks and Trademark Applications

<u>Trademark</u>	<u>Serial No.</u>	<u>Reg. No.</u>
ALEXA FLUOR	75789392	2372830
AMPLEX	76155381	2504021
BIOPARTICLES	74104558	1695651
BIOPROBES	76090514	2467937
BODIPY	74063220	1659311
CASCADE BLUE	73793912	1571495
CHROMATIDE	75524145	2712330
COUNTESS	77525477	N/A
CYQUANT	75040075	2015802
DAPOXYL	75524119	2278001
ELF	74555626	1954319
ENZCHEK	75524113	2291053
EZQ	76549067	2874122
FAST CAT	74063219	1659310
FLUOCELLS	75524114	2278000
FLUOREPORTER	74063221	1660456
FLUOSPHERES	74104559	1687439
FM	75065524	2066660
FUN	75524115	2276061
IMAGE-IT	76591034	3182192
LIVE/DEAD	74136110	1706084
LYSOTRACKER	75524122	2276062
MARINA BLUE	75524112	2292465
MITOTRACKER	75040036	2015799
MOLECULAR PROBES	78603302	3173226
MULTIPLYED PROTEOMICS	76499793	2800194
NANOORANGE	75040038	2015801
NEUROTRACE	76506254	2808425
OLIGREEN	75040037	2015800
OREGON GREEN	76499791	2894414
OXYBURST	74136208	1669972
PICOGREEN	74555653	1914407
PROLONG	76268666	2638833
PRO-Q	76426390	2709205
QSY	76061161	2463878
QUBIT	77570459	N/A
QUBIT	77570459	N/A
QUBIT	78800542	3263106
RIBOGREEN	75524121	2291054
SELECTFX	76578054	2996610
SLOWFADE	75063108	2028958
SNAFL	73783570	1607980
SNARF	74063218	1657904
SYBR	74555630	1917506
SYBR	75063101	2037023

<u>Trademark</u>	<u>Serial No.</u>	<u>Reg. No.</u>
SYPRO	74685583	1970102
SYTO	74555655	1917507
SYTOX	74685627	1970103
TEXAS RED	73783841	1560353
TO-PRO	75524572	2281371
TOTO	74443280	1846426
TRANSFLUOSPHERES	74555652	1914406
VYBRANT	76251189	2544868
WESTERNDOT	77529771	N/A
YO-PRO	75540095	2283221
YOYO	74443289	1850489
ZENON	76351524	2884710

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