

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Mallinckrodt, LLC	04/19/2012
RECEIVING PARTY DATA	
Name:	MediBeacon Development, LLC
Street Address:	4041 Forest Park Avenue
Internal Address:	Suite 250
City:	St. Louis
State/Country:	MISSOURI
Postal Code:	63108
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13263999
CORRESPONDENCE DATA	
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Address Line 4:	St. Louis, MISSOURI 63132
ATTORNEY DOCKET NUMBER:	MEDI0017-501-US
NAME OF SUBMITTER:	Dennis A. Bennett

Total Attachments: 29  
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## ASSIGNMENT

WHEREAS, **Mallinckrodt LLC**, a Delaware Limited Liability Company, with its registered office at 675 McDonnell Blvd., Hazelwood, Missouri 63042 ("ASSIGNOR") is the owner of certain inventions which are disclosed in the patents, patent applications and/or provisional patent applications identified on **EXHIBIT A** Intellectual Property as attached hereto;

AND, WHEREAS, **MediBeacon Development, LLC**, a Missouri Limited Liability Company ("Buyer") with its registered office at 4041 Forest Park Avenue, Suite 250, St. Louis, Missouri 63108 USA (hereinafter referred to as "ASSIGNEE") desires to acquire the entire, exclusive right, title and interest in and to said inventions and any and all patents to be obtained therefor as identified on **EXHIBIT A** Intellectual Property as attached hereto;

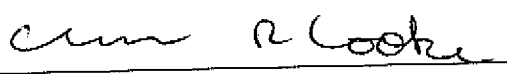
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, its successors, assigns and legal representatives, the full, entire and exclusive right, title and interest in and to said inventions, all improvements thereto, and all: (i) patent applications, including any provisional or utility patent applications, or a continuation (in whole or in-part) or division thereof, (ii) any patent issuing from any such patent application, (iii) any international or foreign national counterpart patent application or patent of any such patent application or patent, (iv) any re-issue, re-examination, substitution addition, extension or confirmation of any of the foregoing, and (v) any patent or patent application claiming priority from any of the foregoing, with respect to clauses (i) through (v) all and only as listed on Exhibit A attached hereto; and ASSIGNOR hereby authorizes and requests the Commissioner of US Patents and Trademarks and the other patent offices where applications and/or registrations set forth in Exhibit A are pending or filed or issued to issue all patents for said invention, or patents resulting there from to the said ASSIGNEE of our entire right, title and interest.

ASSIGNOR further agrees to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives in any country of the world.

ASSIGNOR requests that any and all patents for said inventions be issued to said assignee, its successor, assigns and legal representatives, or to such nominees as it may designate.

**Mallinckrodt LLC**

By:

  
Christine R. Cooke  
Assistant Secretary

Date:

April 19, 2012

CaseNumber	SubCase	Country	AppNumber	FileDate	AppTitle	PatNumber	IssDate
1000:H		CA	2283566	09-Sep-1999	Method of Measuring Physiological Function	2283566	22-Jul-2008
1000:H		EP	98903793.2	29-Jan-1998	Method of Measuring Physiological Function		
1000:H		JP	539555/1998	29-Jan-1998	Method of Measuring Physiological Function		
1000:H		US	08/816332	13-Mar-1997	Method of Measuring Physiological Function	5928625	27-Jul-1999
1000:H		WO	US98/01624	29-Jan-1998	Method of Measuring Physiological Function		
1000:H	1	CA	2360421	20-Jan-2000	Method of Measuring Physiological Function		
1000:H	1	DE	00902449.8	20-Jan-2000	Method of Measuring Physiological Function	60041814.6-08	18-Mar-2009
1000:H	1	EP	00902449.8	20-Jan-2000	Method of Measuring Physiological Function	1154802	18-Mar-2009
1000:H	1	ES	00902449.8	20-Jan-2000	Method of Measuring Physiological Function	1154802	18-Mar-2009
1000:H	1	FR	00902449.8	20-Jan-2000	Method of Measuring Physiological Function	1154802	18-Mar-2009
1000:H	1	GB	00902449.8	20-Jan-2000	Method of Measuring Physiological Function	1154802	18-Mar-2009

CaseNumber	SubCase	Country	AppNumber	FileDate	AppTitle	PatNumber	IssDate
1000:H	1	IT	00902449.8	20-Jan-2000	Method of Measuring Physiological Function	1154802	18-Mar-2009
1000:H	1	JP	2000-600703	20-Jan-2000	Method of Measuring Physiological Function		
1000:H	1	NL	00902449.8	20-Jan-2000	Method of Measuring Physiological Function	1154802	18-Mar-2009
1000:H	1	US	09/258148	26-Feb-1999	Method of Measuring Physiological Function	6228344	08-May-2001
1000:H	1	WO	US00/01322	20-Jan-2000	Method of Measuring Physiological Function		
1000:H	2	EP	05077066.8	29-Jan-1998	Method of Measuring Physiological Function		
1000:H	2	US	09/327951	08-Jun-1999	Method of Measuring Physiological Function		
1000:H	3	EP	05077082.5	20-Jan-2000	Method of Measuring Physiological Function		
1000:H	3	US	10/435738	12-May-2003	Method of Measuring Physiological Function		
1000:H	4	EP	07075440.3	30-May-2007	Method of Measuring Physiological Function		
1000:H	D1	JP	2007-161427	19-Jun-2007	Method of Measuring Physiological Function		

CaseNumber	SubCase	Country	AppNumber	FileDate	AppTitle	PatNumber	IssDate
1170:H		au	33738/99	31-Mar-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY	766290	31-Mar-1999
1170:H		CA	2326650	31-Mar-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY		
1170:H		DE	99915152.5	31-Mar-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY	69941371.0-08	02-Sep-2009
1170:H		EP	99915152.5	31-Mar-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY	1189645	02-Sep-2009
1170:H		ES	99915152.5	31-Mar-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY	1189645	02-Sep-2009
1170:H		FR	99915152.5	31-Mar-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY	1189645	02-Sep-2009
1170:H		GB	99915152.5	31-Mar-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY	1189645	02-Sep-2009
1170:H		IT	99915152.5	31-Mar-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY	1189645	02-Sep-2009
1170:H		JP	2000-542054	31-Mar-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY	4560209	30-Jul-2010

CaseNumber	SubCase	Country	AppNumber	FileDate	AppTitle	PatNumber	IssDate
1170:H		NL	99915152.5	31-Mar-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY	1189645	02-Sep-2009
1170:H		US	09/646765	21-Sep-2000	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY	6423547	23-Jul-2002
1170:H		WO	US99/07061	31-Mar-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY		
1170:H	1	au	62445/00	03-Oct-2000	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY		
1170:H	1	CA	2322344	29-Sep-2000	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY		
1170:H	1	EP	00310690.3	01-Dec-2000	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY		
1170:H	1	JP			NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY		
1170:H	1	US	09/457347	08-Dec-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY		
1170:H	2	EP	09075280.9	31-Mar-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY		

CaseNumber	SubCase	Country	AppNumber	FilDate	AppTitle	PatNumber	IssDate
1170:H	3	EP	10179855.1	31-Mar-1999	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY		
1170:H	P	US	60/080658	03-Apr-1998	NONCOVALENT BIOCONJUGATES USEFUL FOR DIAGNOSIS AND THERAPY		
1256:H		EP	01918287.2	01-Mar-2001	SIMULTANEOUS MEASUREMENT OF PHYSIOLOGICAL		
1256:H		JP	2001-564804	01-Mar-2001	SIMULTANEOUS MEASUREMENT OF PHYSIOLOGICAL		
1256:H		US	09/519455	06-Mar-2000	SIMULTANEOUS MEASUREMENT OF PHYSIOLOGICAL	6280703	28-Aug-2001
1256:H		WO	US01/06589	01-Mar-2001	SIMULTANEOUS MEASUREMENT OF PHYSIOLOGICAL		
1256:H	1	EP	05076919.9	22-Aug-2005	SIMULTANEOUS MEASUREMENT OF PHYSIOLOGICAL		
1321:H		AT	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009
1321:H		CA	2373475	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS		



CaseNumber	SubCase	Country	AppNumber	FileDate	AppTitle	PatNumber	IssDate
1321:H		CH	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009
1321:H		DE	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	60042522.3-08	08-Jul-2009
1321:H		DK	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009
1321:H		EP	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009
1321:H		ES	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009
1321:H		FI	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009
1321:H		FR	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009

CaseNumber	SubCase	Country	AppNumber	FileDate	AppTitle	PatNumber	IssDate
1321:H		GB	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009
1321:H		GR	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009
1321:H		IE	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009
1321:H		IT	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009
1321:H		JP	2000-619463	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS		
1321:H		NL	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009
1321:H		PT	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009

CaseNumber	SubCase	Country	AppNumber	FileDate	AppTitle	PatNumber	IssDate
1321:H		SE	00926343.5	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	1178830	08-Jul-2009
1321:H		US	09/325769	04-Jun-1999	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS	6217848	17-Apr-2001
1321:H		WO	US00/11060	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS		
1321:H	1	US	10/418916	21-Apr-2003	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS		
1321:H	D1	EP	08075854.3	26-Apr-2000	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS		
1321:H	P	US	60/135060	20-May-1999	NOVEL CYANINE AND INDOCYANINE DYE BIOCONJUGATES FOR BIOMEDICAL APPLICATIONS		
1446:H		EP	01906572.1	17-Jan-2001	TUNABLE INDOCYANINE DYES FOR BIOMEDICAL APPLICATIONS		

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1446:H		JP	2001-552798	17-Jan-2001	TUNABLE INDOCYANINE DYES FOR BIOMEDICAL APPLICATIONS		
1446:H		US	09/484320	18-Jan-2000	TUNABLE INDOCYANINE DYES FOR BIOMEDICAL APPLICATIONS	6180087	30-Jan-2001
1446:H		WO	US01/01467	17-Jan-2001	TUNABLE INDOCYANINE DYES FOR BIOMEDICAL APPLICATIONS		
1446:H	1	US	09/637518	10-Aug-2000	TUNABLE INDOCYANINE DYES FOR BIOMEDICAL APPLICATIONS	6264920	24-Jul-2001
1446:H	2	US	09/863971	23-May-2001	TUNABLE INDOCYANINE DYES FOR BIOMEDICAL APPLICATIONS	6641798	04-Nov-2003
1446:H	3	US	10/654033	03-Sep-2003	TUNABLE INDOCYANINE DYES FOR BIOMEDICAL APPLICATIONS	7198778	03-Apr-2007
1446:H	D2	US	11/682032	05-Mar-2007	TUNABLE INDOCYANINE DYES FOR BIOMEDICAL APPLICATIONS	7514069	07-Apr-2009
1448:H		EP	01942624.6	17-Jan-2001	DENDRIMER PRECURSOR DYES FOR IMAGING		
1448:H		JP	2001-553766	17-Jan-2001	DENDRIMER PRECURSOR DYES FOR IMAGING		
1448:H		US	09/484322	18-Jan-2000	DENDRIMER PRECURSOR DYES FOR IMAGING	6395257	28-May-2002

CaseNumber	SubCase	Country	AppNumber	FileDate	AppTitle	PatNumber	IssDate
1448:H		WO	US01/01407	17-Jan-2001	DENDRIMER PRECURSOR DYES FOR IMAGING		
1448:H	1	US	09/864011	23-May-2001	DENDRIMER PRECURSOR DYES FOR IMAGING	6706254	16-Mar-2004
1448:H	2	CA	US2005/00742 9	09-Mar-2005	DENDRIMER PRECURSOR DYES FOR IMAGING		
1448:H	2	CN	US2005/00742 9	09-Mar-2005	DENDRIMER PRECURSOR DYES FOR IMAGING		
1448:H	2	EP	05724881.7	09-Mar-2005	DENDRIMER PRECURSOR DYES FOR IMAGING		
1448:H	2	IN	US2005/00742 9	09-Mar-2005	DENDRIMER PRECURSOR DYES FOR IMAGING		
1448:H	2	JP	US2005/00742 9	09-Mar-2005	DENDRIMER PRECURSOR DYES FOR IMAGING		
1448:H	2	US	10/800531	15-Mar-2004	DENDRIMER PRECURSOR DYES FOR IMAGING	7790144	07-Sep-2010
1448:H	2	WO	US2005/00742 9	09-Mar-2005	DENDRIMER PRECURSOR DYES FOR IMAGING		
1448:H	3	US	11/075792	09-Mar-2005	RECEPTOR-AVID EXOGENOUS OPTICAL CONTRAST AND THERAPEUTIC AGENTS	7504087	17-Mar-2009
1448:H	4	US	11/146377	06-Jun-2005	DENDRIMER PRECURSOR DYES FOR IMAGING	7767194	03-Aug-2010
1448:H	5	US	12/470310	21-May-2009	DENDRIMER PRECURSOR DYES FOR IMAGING		

CaseNumber	SubCase	Country	AppNumber	FileDate	AppTitle	PatNumber	IssDate
1723:H		AU	2005280455	03-Aug-2005	METHOD OF MONITORING RENAL FUNCTION USING FLUORESCENT LANTHANIDE-DTPA COMPLEXES		
1723:H		CA	2578030	03-Aug-2005	METHOD OF MONITORING RENAL FUNCTION USING FLUORESCENT LANTHANIDE-DTPA COMPLEXES		
1723:H		CN	200580028705.3	03-Aug-2005	METHOD OF MONITORING RENAL FUNCTION USING FLUORESCENT LANTHANIDE-DTPA COMPLEXES		
1723:H		EP	05778779.8	03-Aug-2005	METHOD OF MONITORING RENAL FUNCTION USING FLUORESCENT LANTHANIDE-DTPA COMPLEXES		
1723:H		IL	181490	03-Aug-2005	METHOD OF MONITORING RENAL FUNCTION USING FLUORESCENT LANTHANIDE-DTPA COMPLEXES		
1723:H		IN	812/CHENP/2007	03-Aug-2005	METHOD OF MONITORING RENAL FUNCTION USING FLUORESCENT LANTHANIDE-DTPA COMPLEXES		

CaseNumber	SubCase	Country	AppNumber	FileDate	AppTitle	PatNumber	IssDate
1723:H		JP	2007-529884	03-Aug-2005	METHOD OF MONITORING RENAL FUNCTION USING FLUORESCENT LANTHANIDE-DTPA COMPLEXES		
1723:H		US	11/572920	30-Jan-2007	LUMINESCENT METAL COMPLEXES FOR MONITORING	7674902	09-Mar-2010
1723:H		WO	US2005/027486	03-Aug-2005	METHOD OF MONITORING RENAL FUNCTION USING FLUORESCENT LANTHANIDE-DTPA COMPLEXES		
1723:H	D1	US	12/683851	07-Jan-2010	LUMINESCENT METAL COMPLEXES FOR MONITORING		
1723:H	P	US	60/604573	26-Aug-2004			
H-MI-00006		AU	2007225175	09-Mar-2007	PHOTOACTIVE COMPOUNDS AND COMPOSITIONS AND USES THEREOF		
H-MI-00006		CA	2645456	09-Mar-2007	PHOTOACTIVE COMPOUNDS AND COMPOSITIONS AND USES THEREOF		
H-MI-00006		CN	200780008645.8	09-Mar-2007	PHOTOACTIVE COMPOUNDS AND COMPOSITIONS AND USES THEREOF		
H-MI-00006		EP	07752879.2	09-Mar-2007	PHOTOACTIVE COMPOUNDS AND COMPOSITIONS AND USES THEREOF		

CaseNumber	SubCase	Country	AppNumber	FileDate	AppTitle	PatNumber	IssDate
H-MI-00006		IL	193706	09-Mar-2007	PHOTOACTIVE COMPOUNDS AND COMPOSITIONS AND USES THEREOF		
H-MI-00006		IN	4791/CHENP/2008	09-Mar-2007	PHOTOACTIVE COMPOUNDS AND COMPOSITIONS AND USES THEREOF		
H-MI-00006		JP	US2007/006211	09-Mar-2007	PHOTOACTIVE COMPOUNDS AND COMPOSITIONS AND USES THEREOF		
H-MI-00006		US	12/281338	02-Sep-2008	PHOTOACTIVE COMPOUNDS AND COMPOSITIONS AND USES THEREOF		
H-MI-00006		WO	US2007/006211	09-Mar-2007	PHOTOACTIVE COMPOUNDS AND COMPOSITIONS AND USES THEREOF		
H-MI-00006	P	US	60/781530	10-Mar-2006	PHOTOACTIVE COMPOUNDS AND COMPOSITIONS AND USES THEREOF		
H-MI-00006	T1	US	13/344930	06-Jan-2012	PYRAZINE DERIVATIVES FOR BIOCONJUGATION		
H-MI-00007		AU	2005322114	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION		



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H-MI-00007		CA	2592021	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION		
H-MI-00007		CN	200580044681 .0	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION		
H-MI-00007		DE	05855315.7	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION	602005020981.6- 08	28-Apr-2010
H-MI-00007		EP	05855315.7	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION	1836175	28-Apr-2010
H-MI-00007		ES	05855315.7	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION	1836175	28-Apr-2010
H-MI-00007		FR	05855315.7	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION	1836175	28-Apr-2010

CaseNumber	SubCase	Country	AppNumber	FilDate	AppTitle	PatNumber	IssDate
H-MI-00007		GB	05855315.7	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION	1836175	28-Apr-2010
H-MI-00007		IL	183962	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION		
H-MI-00007		IN	2801/CHENP/2 007	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION		
H-MI-00007		IT	05855315.7	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION	1836175	28-Apr-2010
H-MI-00007		JP	2007-548504	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION		
H-MI-00007		US	11/721186	08-Jun-2007	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION		

CaseNumber	SubCase	Country	AppNumber	FIIDate	AppTitle	PatNumber	IssDate
H-MI-00007		WO	US2005/04673 2	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION		
H-MI-00007	D1	CN	201010122903 .9	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION		
H-MI-00007	D1	DE	07013568.6	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION	602005029847.9	31-Aug-2011
H-MI-00007	D1	EP	07013568.6	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION	1854790	31-Aug-2011
H-MI-00007	D1	ES	07013568.6	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION	1854790	31-Aug-2011
H-MI-00007	D1	FR	07013568.6	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION	1854790	31-Aug-2011

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H-MI-00007	D1	GB	07013568.6	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION	1854790	31-Aug-2011
H-MI-00007	D1	IT	07013568.6	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION	1854790	31-Aug-2011
H-MI-00007	D2	EP	08017332.1	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION		
H-MI-00007	D3	EP	09011710.2	22-Dec-2005	FLUORESCENT PYRAZINE DERIVATIVES AND METHODS OF USING THE SAME IN ASSESSING RENAL FUNCTION		
H-MI-00007	P	US	60/638611	23-Dec-2004			
H-MI-00087		AU	2006340061	11-Oct-2006	PROCESS FOR USING OPTICAL AGENTS		
H-MI-00087		CA	2616147	11-Oct-2006	PROCESS FOR USING OPTICAL AGENTS		
H-MI-00087		CN	200680034923 .2	11-Oct-2006	PROCESS FOR USING OPTICAL AGENTS		
H-MI-00087		EP	06825766.6	11-Oct-2006	PROCESS FOR USING OPTICAL AGENTS		
H-MI-00087		IL	190089	11-Oct-2006	PROCESS FOR USING OPTICAL AGENTS		

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H-MI-00087		IN	385/CHENP/2008	11-Oct-2006	PROCESS FOR USING OPTICAL AGENTS		
H-MI-00087		JP	2008-556303	11-Oct-2006	PROCESS FOR USING OPTICAL AGENTS		
H-MI-00087		US	11/995270	10-Jan-2008	PROCESS FOR USING OPTICAL AGENTS		
H-MI-00087		WO	US2006/039732	11-Oct-2006	PROCESS FOR USING OPTICAL AGENTS		
H-MI-00087	P	US	60/776782	24-Feb-2006	METHODS OF USING OPTICAL AGENTS		
H-MI-00103		CA	US2008/002521	26-Feb-2008	INTEGRATED PHOTOACTIVE SMALL MOLECULES AND USES THEREOF		
H-MI-00103		CN	200880006354.X	26-Feb-2008	INTEGRATED PHOTOACTIVE SMALL MOLECULES AND USES THEREOF		
H-MI-00103		EP	08726104.6	26-Feb-2008	INTEGRATED PHOTOACTIVE SMALL MOLECULES AND USES THEREOF		
H-MI-00103		JP	2009-551997	26-Feb-2008	INTEGRATED PHOTOACTIVE SMALL MOLECULES AND USES THEREOF		
H-MI-00103		US	12/528630	26-Feb-2008	INTEGRATED PHOTOACTIVE SMALL MOLECULES AND USES THEREOF		
H-MI-00103		WO	US2008/002521	26-Feb-2008	INTEGRATED PHOTOACTIVE SMALL MOLECULES AND USES THEREOF		

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H-MI-00103	P1	US	60/892286	01-Mar-2007	INTEGRATED PHOTOACTIVE SMALL MOLECULES AND USES THEREOF		
H-MI-00104		CA			INTEGRATED PHOTOACTIVE PEPTIDES AND USES THEREOF		
H-MI-00104		CN	200880006840.1	01-Sep-2009	INTEGRATED PHOTOACTIVE PEPTIDES AND USES THEREOF		
H-MI-00104		EP	08726048.5	26-Feb-2008	INTEGRATED PHOTOACTIVE PEPTIDES AND USES THEREOF		
H-MI-00104		JP	2009-551994	26-Feb-2008	INTEGRATED PHOTOACTIVE PEPTIDES AND USES THEREOF		
H-MI-00104		US	12/528631	26-Aug-2009	INTEGRATED PHOTOACTIVE PEPTIDES AND USES THEREOF		
H-MI-00104		WO	US2008/002463	26-Feb-2008	INTEGRATED PHOTOACTIVE PEPTIDES AND USES THEREOF		
H-MI-00104	D1	JP	2009-197472	26-Feb-2008	INTEGRATED PHOTOACTIVE PEPTIDES AND USES THEREOF		
H-MI-00104	P1	US	60/892316	01-Mar-2007	INTEGRATED PHOTOACTIVE PEPTIDES AND USES THEREOF		
H-MI-00125		CA	2695197	31-Jul-2008	INTEGRATED PHOTOACTIVE AGENTS FOR REAL-TIME MONITORING OF		

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H-MI-00125		EP	08796911.9	31-Jul-2008	INTEGRATED PHOTOACTIVE AGENTS FOR REAL-TIME MONITORING OF		
H-MI-00125		JP	2010-520176	31-Jul-2008	INTEGRATED PHOTOACTIVE AGENTS FOR REAL-TIME MONITORING OF		
H-MI-00125		US	12/669497	18-Jan-2010	INTEGRATED PHOTOACTIVE AGENTS FOR REAL-TIME MONITORING OF		
H-MI-00125		WO	US2008/071700	31-Jul-2008	INTEGRATED PHOTOACTIVE AGENTS FOR REAL-TIME MONITORING OF		
H-MI-00125	P1	US	60/952915	31-Jul-2007	INTEGRATED PHOTOACTIVE AGENTS FOR REAL-TIME MONITORING OF		
H-MI-00136		AU	2007261397	20-Jun-2007	PYRAZINE DERIVATIVES WITH EXTENDED CONJUGATION AND METHODS OF USING THE SAME IN OPTICAL APPLICATIONS		
H-MI-00136		CA	2655857	20-Jun-2007	PYRAZINE DERIVATIVES WITH EXTENDED CONJUGATION AND METHODS OF USING THE SAME IN OPTICAL APPLICATIONS		

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H-MI-00136		CN	200780022906 .1	20-Jun-2007	PYRAZINE DERIVATIVES WITH EXTENDED CONJUGATION AND METHODS OF USING THE SAME IN OPTICAL APPLICATIONS		
H-MI-00136		EP	07809705.2	20-Jun-2007	PYRAZINE DERIVATIVES WITH EXTENDED CONJUGATION AND METHODS OF USING THE SAME IN OPTICAL APPLICATIONS		
H-MI-00136		IL	195876	20-Jun-2007	PYRAZINE DERIVATIVES WITH EXTENDED CONJUGATION AND METHODS OF USING THE SAME IN OPTICAL APPLICATIONS		
H-MI-00136		IN	7067/CHENP/2 008	20-Jun-2007	PYRAZINE DERIVATIVES WITH EXTENDED CONJUGATION AND METHODS OF USING THE SAME IN OPTICAL APPLICATIONS		
H-MI-00136		JP	2009-516556	20-Jun-2007	PYRAZINE DERIVATIVES WITH EXTENDED CONJUGATION AND METHODS OF USING THE SAME IN OPTICAL APPLICATIONS		



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H-MI-00136		US	12/305700	19-Dec-2008	PYRAZINE DERIVATIVES WITH EXTENDED CONJUGATION AND METHODS OF USING THE SAME IN OPTICAL APPLICATIONS		
H-MI-00136		WO	US2007/014369	20-Jun-2007	PYRAZINE DERIVATIVES WITH EXTENDED CONJUGATION AND METHODS OF USING THE SAME IN OPTICAL APPLICATIONS		
H-MI-00136	P1	US	60/805568	22-Jun-2006	PYRAZINE DERIVATIVES WITH EXTENDED CONJUGATION AND METHODS OF USING THE SAME IN OPTICAL APPLICATIONS		
H-MI-00140		AU	2007261398	20-Jun-2007	PYRAZINE DERIVATIVES AND USES THEREOF IN RENAL MONITORING		
H-MI-00140		CA	2628661	20-Jun-2007	PYRAZINE DERIVATIVES AND USES THEREOF IN RENAL MONITORING		
H-MI-00140		CN	200780001001.6	20-Jun-2007	PYRAZINE DERIVATIVES AND USES THEREOF IN RENAL MONITORING		
H-MI-00140		EP	07809706.0	20-Jun-2007	PYRAZINE DERIVATIVES AND USES THEREOF IN RENAL MONITORING		

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H-MI-00140		IL	189221	20-Jun-2007	PYRAZINE DERIVATIVES AND USES THEREOF IN RENAL MONITORING		
H-MI-00140		IN	380/CHENP/20 08	20-Jun-2007	PYRAZINE DERIVATIVES AND USES THEREOF IN RENAL MONITORING		
H-MI-00140		JP	2009-506648	20-Jun-2007	PYRAZINE DERIVATIVES AND USES THEREOF IN RENAL MONITORING		
H-MI-00140		US	11/995223	10-Jan-2008	PYRAZINE DERIVATIVES AND USES THEREOF IN RENAL MONITORING	8115000	14-Feb-2012
H-MI-00140		WO	US2007/01437 0	20-Jun-2007	PYRAZINE DERIVATIVES AND USES THEREOF IN RENAL MONITORING		
H-MI-00140	C1	US	13/343231	04-Jan-2012	PYRAZINE DERIVATIVES AND USES THEREOF IN RENAL MONITORING		
H-MI-00140	P1	US	60/815712	22-Jun-2006	PYRAZINE DERIVATIVES AND USES THEREOF IN RENAL MONITORING		
H-MI-00142		US	13/266161	25-Oct-2011	TISSUE SEALANT COMPOSITIONS, VASCULAR CLOSURE DEVICES, AND USES THEREOF		

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H-MI-00142		WO	US2010/03251 9	27-Apr-2010	TISSUE SEALANT COMPOSITIONS, VASCULAR CLOSURE DEVICES, AND USES THEREOF		
H-MI-00142	P1	US	61/172845	27-Apr-2009	TISSUE SEALANT COMPOSITIONS, VASCULAR CLOSURE DEVICES, AND USES THEREOF		
H-MI-00150		WO	US2010/04840 9	10-Sep-2010	OPTICAL MONITORING OF LEUKEMIA		
H-MI-00150	P1	US	61/241611	11-Sep-2009	OPTICAL MONITORING OF LEUKEMIA		
H-MI-00216		US	13/263999	12-Oct-2011	PYRAZINE DERIVATIVES FOR OPTICAL IMAGING AND THERAPY		
H-MI-00216		WO	US2010/03120 3	15-Apr-2010	PYRAZINE DERIVATIVES FOR OPTICAL IMAGING AND THERAPY		
H-MI-00216	P1	US	61/169800	16-Apr-2009	PYRAZINE DERIVATIVES FOR OPTICAL IMAGING AND THERAPY		
H-MI-00229		WO	US2010/04834 7	10-Sep-2010	AZULENE AND AZAAZULENE SYSTEMS FOR IMAGING, MONITORING AND THERAPY		
H-MI-00229	P1	US	61/241624	11-Sep-2009	NON-BENZENOID AROMATIC SYSTEMS FOR IMAGING, MONITORING AND THERAPY		

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H-MI-00234		AU	2008237601	30-Oct-2008	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		
H-MI-00234		CA	2641297	20-Oct-2008	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		
H-MI-00234		CN	200810185844 .2	18-Dec-2008	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		
H-MI-00234		EP	08253582.4	31-Oct-2008	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		
H-MI-00234		IN	1179/CHE/200 9	22-May-2009	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		
H-MI-00234		JP	2008-284898	05-Nov-2008	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		
H-MI-00234		KR	10-2008- 70838	21-Jul-2008	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		

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H-MI-00234		NZ	569886	18-Jul-2008	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		
H-MI-00234		US	12/349773	07-Jan-2009	METHODS FOR PRODUCING N,N' ALKYLATED DIAMINOPYRAZINES		
H-MI-00234	C1	US	12/351891	12-Jan-2009	PYRAZINE DERIVATIVES AND USES THEREOF		
H-MI-00234	D1	AU	2008237606	30-Oct-2008	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		
H-MI-00234	D1	CN	200910001588.1	18-Dec-2008	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		
H-MI-00234	D1	JP	2008-284905	05-Nov-2008	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		
H-MI-00234	O	EP	08253570.9	31-Oct-2008	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		
H-MI-00234	P1	US	61/080207	11-Jul-2008	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		

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H-MI-00234	P2	US	61/082296	21-Jul-2008	PYRAZINE DERIVATIVES, METHODS OF USE, AND METHODS FOR PREPARING SAME		
H-MI-00293		CA	2747454	17-Dec-2009	MODIFIED PYRAZINE DERIVATIVES AND USES THEREOF		
H-MI-00293		EP	09804099.1	17-Dec-2009	MODIFIED PYRAZINE DERIVATIVES AND USES THEREOF		
H-MI-00293		JP		17-Dec-2009	MODIFIED PYRAZINE DERIVATIVES AND USES THEREOF		
H-MI-00293		US	13/140082	16-Jun-2011	MODIFIED PYRAZINE DERIVATIVES AND USES THEREOF		
H-MI-00293		WO	US2009/06845 3	17-Dec-2009	MODIFIED PYRAZINE DERIVATIVES AND USES THEREOF		
H-MI-00293	P1	US	61/138149	17-Dec-2008	MODIFIED PYRAZINE DERIVATIVES AND USES THEREOF		
H-MI-00295		CA	2747402	17-Dec-2009	MODIFIED PYRAZINE DERIVATIVES AND USES THEREOF		
H-MI-00295		EP	09775500.3	17-Dec-2009	MODIFIED PYRAZINE DERIVATIVES AND USES THEREOF		
H-MI-00295		JP		17-Dec-2009	MODIFIED PYRAZINE DERIVATIVES AND USES THEREOF		

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H-MI-00295		US	13/140107	16-Jun-2011	MODIFIED PYRAZINE DERIVATIVES AND USES THEREOF		
H-MI-00295		WO	US2009/06846 3	17-Dec-2009	MODIFIED PYRAZINE DERIVATIVES AND USES THEREOF		
H-MI-00295	P1	US	61/139911	22-Dec-2008	MODIFIED PYRAZINE DERIVATIVES AND USES THEREOF		
H-MI-00313 Disclosure					NEAR INFRA-RED (NIR) TRACER DYES USEFUL FOR URETER VISUALIZATION		
H-MI-00314 Disclosure					BODIPY TRACER DYES USEFUL FOR UV AND NEAR INFRA-RED (NIR) URETER VISUALIZATION		
H-MI-00132 Disclosure					SMALL MOLECULE MIMETICS OF RED FLUORESCENT PROTEIN CHROMOPHORES		