

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4345944

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST IN CERTAIN PATENTS

CONVEYING PARTY DATA

Name	Execution Date
WELLS FARGO BANK, NATIONAL ASSOCIATION	03/30/2017

RECEIVING PARTY DATA

Name:	LANTHEUS HOLDINGS, INC.
Street Address:	331 TREBLE COVE ROAD
City:	NORTH BILLERICA
State/Country:	MASSACHUSETTS
Postal Code:	01862
Name:	LANTHEUS MEDICAL IMAGING, INC.
Street Address:	331 TREBLE COVE ROAD
City:	NORTH BILLERICA
State/Country:	MASSACHUSETTS
Postal Code:	01862
Name:	LANTHEUS MI REAL ESTATE, LLC
Street Address:	331 TREBLE COVE ROAD
City:	NORTH BILLERICA
State/Country:	MASSACHUSETTS
Postal Code:	01862

PROPERTY NUMBERS Total: 126

Property Type	Number
Patent Number:	8084056
Patent Number:	8658205
Patent Number:	8685441
Patent Number:	8747892
Patent Number:	5919967
Patent Number:	5846517
Patent Number:	6548047
Patent Number:	6524553
Patent Number:	6676929
Patent Number:	6943692

PATENT

Property Type	Number
Patent Number:	6969507
Patent Number:	7060248
Patent Number:	6656448
Patent Number:	7175829
Patent Number:	7344702
Patent Number:	8226929
Patent Number:	7566442
Patent Number:	9161997
Patent Number:	7485283
Patent Number:	8263042
Patent Number:	7824659
Application Number:	61302477
Application Number:	61315376
Patent Number:	8852553
Patent Number:	9266846
Patent Number:	8491868
Patent Number:	9408927
Patent Number:	8569713
Patent Number:	8822950
Application Number:	13264276
Patent Number:	8877157
Patent Number:	9393329
Patent Number:	8936777
Patent Number:	9388125
Patent Number:	9550000
Application Number:	14352742
Application Number:	14420810
Application Number:	12713890
Patent Number:	6130231
Patent Number:	8361438
Application Number:	13916205
Application Number:	13571911
Patent Number:	5109160
Application Number:	61178006
Patent Number:	5205290
Patent Number:	5228446
Patent Number:	5230882
Patent Number:	5352435

Property Type	Number
Patent Number:	5281408
Patent Number:	5305757
Patent Number:	5469854
Patent Number:	5348016
Patent Number:	8394356
Application Number:	13361771
Application Number:	12014154
Patent Number:	5456900
Patent Number:	5431900
Patent Number:	5585112
Patent Number:	5542935
Patent Number:	5397902
Patent Number:	5769080
Patent Number:	5830430
Patent Number:	5456901
Patent Number:	5705187
Patent Number:	5547656
Application Number:	90004720
Patent Number:	5527521
Application Number:	90004719
Patent Number:	5715824
Patent Number:	5656211
Patent Number:	5853752
Patent Number:	6033645
Patent Number:	6528039
Patent Number:	6231834
Patent Number:	6056938
Patent Number:	6071494
Patent Number:	6511648
Patent Number:	6358976
Patent Number:	6884407
Patent Number:	6537520
Patent Number:	6511649
Patent Number:	6548044
Patent Number:	6861045
Patent Number:	6743412
Patent Number:	6689337
Patent Number:	6683163

Property Type	Number
Patent Number:	6773696
Patent Number:	7018611
Patent Number:	6800273
Patent Number:	7255875
Patent Number:	7011815
Patent Number:	7052673
Patent Number:	7060250
Patent Number:	7229606
Patent Number:	7138643
Patent Number:	6998107
Application Number:	11184271
Patent Number:	7344705
Patent Number:	7344698
Application Number:	11346884
Patent Number:	8017105
Application Number:	11526302
Application Number:	11526312
Application Number:	11840070
Application Number:	11959569
Application Number:	61682185
Application Number:	61794277
Application Number:	61785623
Application Number:	61724866
Application Number:	61724868
Application Number:	61772723
Application Number:	61772601
Application Number:	61716468
Application Number:	61773797
Application Number:	61716473
Application Number:	61773804
Application Number:	61793467
Application Number:	61801461
Application Number:	61776716
Application Number:	61779947
Application Number:	61780132
PCT Number:	US1336027
Application Number:	14075214
Application Number:	14075233

Property Type	Number
Application Number:	62060291
Application Number:	62098453

CORRESPONDENCE DATA

Fax Number: (212)310-8007

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 212.310.8717

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Correspondent Name: JACQUELINE DIAZ

Address Line 1: WEIL, GOTSHAL & MANGES LLP

Address Line 2: 767 FIFTH AVENUE

Address Line 4: NEW YORK, NEW YORK 10153

NAME OF SUBMITTER:	JACQUELINE DIAZ
SIGNATURE:	/JACQUELINE DIAZ/
DATE SIGNED:	03/30/2017

Total Attachments: 11

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RELEASE OF SECURITY INTEREST IN CERTAIN PATENTS

This RELEASE OF SECURITY INTEREST IN CERTAIN PATENTS (this “Release”), dated as of March 30, 2017 (the “Effective Date”), is made by WELLS FARGO BANK, NATIONAL ASSOCIATION, in its capacity as collateral agent for the Secured Parties (as defined in the below-defined Collateral Agreement) (in such capacity, together with its successors and assigns in such capacity, the “Agent”), in favor of LANTHEUS HOLDINGS, INC., a Delaware corporation (“Holdings”), LANTHEUS MEDICAL IMAGING, INC., a Delaware corporation (the “Borrower”) and LANTHEUS MI REAL ESTATE, LLC, a Delaware limited liability company (“LMI Real Estate”) and, together with Holdings and the Borrower, collectively, the “Grantors”).

WHEREAS, pursuant to that certain Second Amended and Restated Guarantee and Collateral Agreement, dated as of June 30, 2015, by and among the Agent, the Grantors and certain other parties thereto (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Collateral Agreement”), the Grantors granted to the Agent, in its capacity as collateral agent for the Secured Parties, a security interest in and to certain collateral;

WHEREAS, pursuant to the Collateral Agreement, (i) the Grantors executed and delivered that certain Grant of a Security Interest – Patents, dated as of May 10, 2010 (the “Original Patent Security Agreement”), in favor of BMO Harris Bank N.A. (formerly known as Harris N.A.) (“BMO”); (ii) BMO executed and delivered that certain Assignment of Security Interests in Patents, dated as of July 3, 2013 (the “Patent Assignment Agreement”), in favor of the Agent; (iii) the Grantors executed and delivered that certain Amendment Number One to Grant of Security Interest – Patents, dated as of July 3, 2013 (the “First Amendment to Patent Security Agreement”), in favor of the Agent; and (iv) the Grantors executed and delivered that certain Amendment Number Two to Grant of Security Interest – Patents, dated as of June 30, 2015 (the “Second Amendment to Patent Security Agreement”); the Original Patent Security Agreement, as amended by the Patent Assignment Agreement, the First Amendment to Patent Security Agreement and the Second Amendment to Patent Security Agreement, the “Patent Security Agreement”), in favor of the Agent, and each of the aforementioned agreements has been recorded with the United States Patent and Trademark Office;

WHEREAS, (i) the Original Patent Security Agreement was recorded with the United States Patent and Trademark Office on May 13, 2010 at Reel/Frame 024390/0733; (ii) the Patent Assignment Agreement was recorded with the United States Patent and Trademark Office on July 3, 2013 at Reel/Frame 030740/0335; (iii) the First Amendment to Patent Security Agreement was recorded with the United States Patent and Trademark Office on July 3, 2013 at Reel/Frame 030747/0814; and (iv) the Second Amendment to Patent Security Agreement was recorded with the United States Patent and Trademark Office on June 30, 2015 at Reel/Frame 036039/0633; and

WHEREAS, the Agent has agreed to release, discharge, terminate and cancel its security interest in certain specified collateral;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby agrees as follows:

1. Defined Terms. All capitalized terms used, but not otherwise defined herein, shall have the respective meanings ascribed to them in or otherwise referenced in the Collateral Agreement or the Patent Security Agreement, as applicable.

2. Release of Specified Collateral. The Agent, without representation or warranty of any kind, hereby (a) terminates the Patent Security Agreement and (b) releases, discharges, terminates and cancels

all of its security interest in and to the Collateral (as defined in the Patent Security Agreement), including, without limitation, the patents and patent applications set forth on Schedule A attached hereto (collectively, the “Released Patent Collateral”), arising under the Collateral Agreement and the Patent Security Agreement, and hereby reassigns, grants and conveys to the Grantors any and all of the Agent’s right, title and interest, if any, in, to and under the Released Patent Collateral.

3. Further Assurances. The Agent hereby agrees to take all such further actions and provide to the Grantors and its successors, assigns or other legal representatives, all such cooperation and assistance (including, without limitation, the execution and delivery of any and all documents or other instruments) as may be reasonably requested by the Grantors, and at the Grantors’ sole cost and expense, to effect the release of the security interest contemplated hereby.

4. Recordation. The Agent authorizes and requests that the Commissioner of Patents and Trademarks and any other applicable government officer record this Release.

5. Governing Law. **THIS RELEASE AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES UNDER THIS RELEASE SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK.**

[Signature Page Follows]

IN WITNESS WHEREOF, the Agent has caused this Release to be executed by its duly authorized representative as of the date first above written.

**WELLS FARGO BANK, NATIONAL
ASSOCIATION**, acting in its capacity as
collateral agent

By: Keith Gregson
Name: Keith Gregson
Title: Authorized Signatory

[SIGNATURE PAGE TO ABL PATENT RELEASE]

**PATENT
REEL: 042115 FRAME: 0722**

SCHEDULE A

Title	Filing Date	Appl. No.	Grant Date	Grant No.	Owner
PREPARATION OF A LIPID BLEND AND A PHOSHOLIPID SUSPENSION CONTAINING THE LIPID BLEND	09/22/2003	10667931	12/27/2011	8084056	Lantheus Medical Imaging, Inc.
PREPARATION OF A LIPID BLEND AND A PHOSPHOLIPID SUSPENSION CONTAINING THE LIPID BLEND	08/01/2011	13195734	02/25/2014	8658205	Lantheus Medical Imaging, Inc.
PREPARATION OF A LIPID BLEND AND A PHOSPHOLIPID SUSPENSION CONTAINING THE LIPID BLEND	07/23/2013	13949105	04/01/2014	8685441	Lantheus Medical Imaging, Inc.
PREPARATION OF A LIPID BLEND AND A PHOSPHOLIPID SUSPENSION CONTAINING THE LIPID BLEND	07/25/2013	13950348	06/10/2014	8747892	Lantheus Medical Imaging, Inc.
PROCESS FOR SYNTHESIZING PHOSPHODIESTERS	04/11/1997	08833745	07/06/1999	5919967	Lantheus Medical Imaging, Inc.
METHODS FOR DIAGNOSTIC IMAGING USING A RENAL CONTRAST AGENT AND A VASODILATOR	01/30/1997	08790550	01/30/1997	5846517	Lantheus Medical Imaging, Inc.
THERMAL PREACTIVATION OF GASEOUS PRECURSOR FILLED COMPOSITIONS	09/15/1997	08929847	04/15/2003	6548047	Lantheus Medical Imaging, Inc.
QUINOLONE VITRONECTIN RECEPTOR ANTAGONIST PHARMACEUTICALS	03/30/1999	09281209	02/25/2003	6524553	Lantheus Medical Imaging, Inc.
DIAGNOSTIC IMAGING CONTRAST AGENTS WITH EXTENDED BLOOD RETENTION	12/20/2001	10034522	01/13/2004	6676929	Lantheus Medical Imaging, Inc.
APPARATUS AND METHODS FOR ON-LINE MONITORING OF FLUORINATED MATERIAL IN HEADSPACE OF VIAL	02/01/2002	10062206	09/13/2005	6943692	Lantheus Medical Imaging, Inc.
IMAGING SEXUAL RESPONSE	11/08/2002	10291900	11/29/2005	6969507	Lantheus Medical Imaging, Inc.
MATRIX METALLOPROTEINASE INHIBITORS	08/21/2003	10645272	06/13/2006	7060248	Lantheus Medical Imaging, Inc.
MATRIX METALLOPROTEINASE INHIBITORS	02/14/2001	09783249	12/02/2003	6656448	Lantheus Medical Imaging, Inc.
CONTRAST-ENHANCED DIAGNOSTIC IMAGING METHOD FOR MONITORING INTERVENTIONAL THERAPIES	10/08/2004	10961872	02/13/2007	7175829	Lantheus Medical Imaging, Inc.

Title	Filing Date	Appl. No.	Grant Date	Grant No.	Owner
CONTRAST AGENTS FOR MYOCARDIAL PERFUSION IMAGING	02/10/2005	11055498	03/18/2008	7344702	Lantheus Medical Imaging, Inc.
CONTRAST AGENTS FOR MYOCARDIAL PERFUSION IMAGING	01/15/2008	12014161	07/24/2012	8226929	Lantheus Medical Imaging, Inc.
INTEGRIN TARGETED IMAGING AGENTS	01/09/2008	11971818	07/28/2009	7566442	Lantheus Medical Imaging, Inc.
CONTRAST AGENTS FOR MYOCARDIAL PERFUSION IMAGING	06/21/2012	13529756	10/20/2015	9161997	Lantheus Medical Imaging, Inc.
CONTRAST AGENTS FOR MYOCARDIAL PERFUSION IMAGING	04/25/2005	11113486	02/03/2009	7485283	Lantheus Medical Imaging, Inc.
CONTRAST AGENTS FOR MYOCARDIAL PERFUSION IMAGING	12/19/2008	12339694	09/11/2012	8263042	Lantheus Medical Imaging, Inc.
METHODS OF MAKING RADIOLABELED TRACERS AND PRECURSORS THEREOF	07/25/2006	11492729	11/02/2010	7824659	Lantheus Medical Imaging, Inc.
-----	02/08/2010	61302477			Lantheus Medical Imaging, Inc.
-----	03/18/2010	61315376			Lantheus Medical Imaging, Inc.
N-ALKOXYAMIDE CONJUGATES AS IMAGING AGENTS	12/21/2012	13723333	10/07/2014	8852553	Lantheus Medical Imaging, Inc.
N-ALKOXYAMIDE CONJUGATES AS IMAGING AGENTS	09/02/2014	14474566	02/23/2016	9266846	Lantheus Medical Imaging, Inc.
LIGANDS FOR IMAGING CARDIAC INNERVATION	05/14/2010	12448575	07/23/2013	8491868	Lantheus Medical Imaging, Inc.
CONTRAST AGENTS FOR APPLICATIONS INCLUDING PERFUSION IMAGING	12/21/2010	12919600	08/09/2016	9408927	Lantheus Medical Imaging, Inc.
RADIONUCLIDE GENERATOR AND METHOD OF STERILIZATION	02/21/2012	13320216	10/29/2013	8569713	Lantheus Medical Imaging, Inc.
RADIONUCLIDE GENERATOR AND METHOD OF STERILIZATION	10/16/2013	14055343	09/02/2014	8822950	Lantheus Medical Imaging, Inc.
STABILIZATION OF RADIOPHARMACEUTICAL COMPOSITIONS USING ASCORBIC ACID	06/07/2012	13264276			Lantheus Medical Imaging, Inc.
N-ALKOXYAMIDE CONJUGATES AS IMAGING AGENTS	08/27/2012	13382689	11/04/2014	8877157	Lantheus Medical Imaging, Inc.

Title	Filing Date	Appl. No.	Grant Date	Grant No.	Owner
N-ALKOXYAMIDE CONJUGATES AS IMAGING AGENTS	09/22/2014	14492896	07/19/2016	9393329	Lantheus Medical Imaging, Inc.
METHODS AND APPARATUS FOR SYNTHESIZING IMAGING AGENTS, AND INTERMEDIATES THEREOF	11/26/2012	13577674	01/20/2015	8936777	Lantheus Medical Imaging, Inc.
COMPOSITIONS, METHODS, AND SYSTEMS FOR THE SYNTHESIS AND USE OF IMAGING AGENTS	02/27/2013	13697287	07/12/2016	9388125	Lantheus Medical Imaging, Inc.
COMPOSITIONS, METHODS, AND SYSTEMS FOR THE SYNTHESIS AND USE OF IMAGING AGENTS	06/30/2014	14343627	01/24/2017	9550000	Lantheus Medical Imaging, Inc.
COMPOSITIONS COMPRISING ASCORBIC ACID AND AN IMAGING AGENT AND RELATED METHODS	07/18/2014	14352742			Lantheus Medical Imaging, Inc.
COMPOSITIONS, METHODS, AND SYSTEMS FOR THE SYNTHESIS AND USE OF IMAGING AGENTS	02/10/2015	14420810			Lantheus Medical Imaging, Inc.
NOVEL INTEGRIN RECEPTOR ANTAGONISTS	02/26/2010	12713890			Lantheus Medical Imaging, Inc.
NOVEL INTEGRIN RECEPTOR ANTAGONISTS	11/26/1997	08980016	10/10/2000	6130231	Lantheus Medical Imaging, Inc.
N-ALKOXYAMIDE CONJUGATES AS IMAGING AGENTS	01/08/2009	12350628	01/29/2013	8361438	Lantheus Medical Imaging, Inc.
LIGANDS FOR IMAGING CARDIAC INNERVATION	06/12/2013	13916205			Lantheus Medical Imaging, Inc.
METHODS AND APPARATUS FOR SYNTHESIZING IMAGING AGENTS, AND INTERMEDIATES THEREOF	08/10/2012	13571911			Lantheus Medical Imaging, Inc.
STERILIZABLE RADIONUCLIDE GENERATOR AND METHOD FOR STERILIZING THE SAME	10/12/1990	07596273	04/28/1992	5109160	Lantheus Medical Imaging, Inc.
-----	05/13/2009	61178006			Lantheus Medical Imaging, Inc.
LOW DENSITY MICROSPHERES AND THEIR USE AS CONTRAST AGENTS FOR COMPUTED TOMOGRAPHY	04/05/1991	07680984	04/27/1993	5205290	Lantheus Medical Imaging, Inc.
GAS FILLED LIPOSOMES AND THEIR USE AS ULTRASONIC CONTRAST AGENTS	06/18/1991	07717084	07/20/1993	5228446	Lantheus Medical Imaging, Inc.
LIPOSOMES AS CONTRAST AGENTS FOR ULTRASONIC IMAGING AND METHODS FOR PREPARING THE SAME	01/08/1992	07818069	07/27/1993	5230882	Lantheus Medical Imaging, Inc.

Title	Filing Date	Appl. No.	Grant Date	Grant No.	Owner
IONOPHORE CONTAINING LIPOSOMERS FOR ULTRASOUND IMAGING	10/27/1992	07967974	10/04/1994	5352435	Lantheus Medical Imaging, Inc.
LOW DENSITY MICROSPHERES AND THEIR USE AS CONTRAST AGENTS FOR COMPUTED TOMOGRAPHY	01/19/1993	07980594	01/25/1994	5281408	Lantheus Medical Imaging, Inc.
GAS FILLED LIPOSOMES AND THEIR USE AS ULTRASONIC CONTRAST AGENTS	02/12/1993	08017683	04/26/1994	5305757	Lantheus Medical Imaging, Inc.
METHODS OF PREPARING GAS-FILLED LIPOSOMES	06/11/1993	08076239	11/28/1995	5469854	Lantheus Medical Imaging, Inc.
APPARATUS FOR PREPARING GAS FILLED LIPOSOMES FOR USE AS ULTRASONIC CONTRAST AGENTS	07/07/1993	08088268	09/20/1994	5348016	Lantheus Medical Imaging, Inc.
DIAGNOSTIC IMAGING CONTRAST AGENTS WITH EXTENDED BLOOD RETENTION	08/29/2011	13220103	03/12/2013	8394356	Lantheus Medical Imaging, Inc.
PREPARATION OF A LIPID BLEND AND A PHOSPHOLIPID SUSPENSION CONTAINING THE LIPID BLEND	01/30/2012	13361771			Lantheus Medical Imaging, Inc.
COMPOSITION COMPRISING LOW DENSITY MICROSPHERES	01/15/2008	12014154			Lantheus Medical Imaging, Inc.
LOW DENSITY MICROSPHERES AND THEIR USE AS CONTRAST AGENTS FOR COMPUTED TOMOGRAPHY	09/07/1993	08116982	10/10/1995	5456900	Lantheus Medical Imaging, Inc.
ESTER-SUBSTITUTED DIAMINEDITHIOLS AND RADIOLABELED COMPLEXES THEREOF	10/20/1993	08139894	07/11/1995	5431900	Lantheus Medical Imaging, Inc.
METHOD OF PREPARING GAS AND GASEOUS PRECURSOR-FILLED MICROSPHERES	11/30/1993	08159687	12/17/1996	5585112	Lantheus Medical Imaging, Inc.
NOVEL THERAPEUTIC DELIVERY SYSTEMS RELATED APPLICATIONS	11/30/1993	08160232	08/6/1996	5542935	Lantheus Medical Imaging, Inc.
APPARATUS AND METHOD FOR THE PREPARATION OF A RADIOPHARMACEUTICAL FORMULATION	12/15/1993	08167685	03/14/1995	5397902	Lantheus Medical Imaging, Inc.
GAS FILLED LIPOSOMES AND THEIR USE AS ULTRASONIC CONTRAST AGENTS	02/22/1994	08199462	06/23/1998	5769080	Lantheus Medical Imaging, Inc.
NOVEL CATIONIC LIPIDS AND THE USE THEREOF	02/21/1995	08391938	11/03/1998	5830430	Lantheus Medical Imaging, Inc.
LIPOSOMES AS CONTRAST AGENTS FOR ULTRASONIC IMAGING	11/03/1998	08395683	10/10/1995	5456901	Lantheus Medical Imaging, Inc.
NOVEL COMPOSITIONS OF LIPIDS AND STABILIZING	04/05/1995	08417238	01/06/1998	5705187	Lantheus Medical Imaging, Inc.

Title	Filing Date	Appl. No.	Grant Date	Grant No.	Owner
MATERIALS					
LOW DENSITY MICROSPHERES AND THEIR USE AS CONTRAST AGENTS FOR COMPUTED TOMOGRAPHY, AND IN OTHER APPLICATIONS	05/24/1995	08449090	08/20/1996	5547656	Lantheus Medical Imaging, Inc.
LOW DENSITY MICROSPHERES AND THEIR USE AS CONTRAST AGENTS FOR COMPUTED TOMOGRAPHY, AND IN OTHER APPLICATIONS	08/08/1997	90004720			Lantheus Medical Imaging, Inc.
LOW DENSITY MICROSPHERES AND SUSPENSIONS AND THEIR USE AS CONTRAST AGENTS FOR COMPUTED TOMOGRAPHY AND IN OTHER APPLICATIONS	06/01/1995	08456738	06/18/1996	5527521	Lantheus Medical Imaging, Inc.
LOW DENSITY MICROSPHERES AND SUSPENSIONS AND THEIR USE AS CONTRAST AGENTS FOR COMPUTED TOMOGRAPHY AND IN OTHER APPLICATIONS	08/08/1997	90004719			Lantheus Medical Imaging, Inc.
METHODS OF PREPARING GAS-FILLED LIPOSOMES	06/06/1995	08471250	02/10/1998	5715824	Lantheus Medical Imaging, Inc.
APPARATUS AND METHOD FOR MAKING GAS-FILLED VESICLES OF OPTIMAL SIZE	06/07/1995	08482294	08/12/1997	5656211	Lantheus Medical Imaging, Inc.
METHODS OF PREPARING GASEOUS PRECURSOR-FILLED MICROSPHERES	06/06/1995	08487230	12/29/1998	5853752	Lantheus Medical Imaging, Inc.
METHODS FOR DIAGNOSTIC IMAGING BY REGULATING THE ADMINISTRATION RATE OF A CONTRAST AGENT	06/19/1996	08666129	03/07/2000	6033645	Lantheus Medical Imaging, Inc.
LOW DENSITY MICROSPHERES AND THEIR USE AS CONTRAST AGENTS FOR COMPUTED TOMOGRAPHY AND IN OTHER APPLICATIONS	06/18/1997	08878233	03/04/2003	6528039	Lantheus Medical Imaging, Inc.
IMPROVED METHODS FOR ULTRASOUND IMAGING INVOLVING THE USE OF A CONTRAST AGENT AND MULTIPLE IMAGES AND PROCESSING OF SAME	12/02/1997	08982829	05/15/2001	6231834	Lantheus Medical Imaging, Inc.
NOVEL CATIONIC LIPIDS AND THE USE THEREOF	05/05/1998	09073181	05/02/2000	6056938	Lantheus Medical Imaging, Inc.
METHODS FOR DIAGNOSTIC IMAGING USING A CONTRAST AGENT AND A RENAL VASODILATOR	08/28/1998	09143304	06/06/2000	6071494	Lantheus Medical Imaging, Inc.

Title	Filing Date	Appl. No.	Grant Date	Grant No.	Owner
VITRONECTIN RECEPTOR ANTAGONIST PHARMACEUTICALS	12/17/1999	09465300	01/28/2003	6511648	Lantheus Medical Imaging, Inc.
INTEGRIN RECEPTOR ANTAGONISTS	02/22/2000	09510379	03/19/2002	6358976	Lantheus Medical Imaging, Inc.
METHODS FOR DIAGNOSTIC IMAGING INVOLVING THE USE OF A CONTRAST AGENT AND A CORONARY VASODILATOR	05/18/2000	09573265	04/26/2005	6884407	Lantheus Medical Imaging, Inc.
PHARMACEUTICALS FOR THE IMAGING OF ANGIOGENIC DISORDERS	06/21/2000	09599295	03/25/2003	6537520	Lantheus Medical Imaging, Inc.
VITRONECTIN RECEPTOR ANTAGONIST PHARMACEUTICALS	06/21/2000	09599364	01/28/2003	6511649	Lantheus Medical Imaging, Inc.
IMAGING SEXUAL RESPONSE	11/21/2000	09718161	04/15/2003	6548044	Lantheus Medical Imaging, Inc.
CONTRAST-ENHANCED DIAGNOSTIC IMAGING METHOD FOR MONITORING INTERVENTIONAL THERAPIES	09/08/2000	09887706	03/01/2005	6861045	Lantheus Medical Imaging, Inc.
VITRONECTIN RECEPTOR ANTAGONIST PHARMACEUTICALS	09/07/2001	09947783	06/01/2004	6743412	Lantheus Medical Imaging, Inc.
VITRONECTIN RECEPTOR ANTAGONIST PHARMACEUTICALS	09/07/2001	09948390	02/10/2004	6689337	Lantheus Medical Imaging, Inc.
VITRONECTIN RECEPTOR ANTAGONIST PHARMACEUTICALS	09/07/2001	09948807	01/27/2004	6683163	Lantheus Medical Imaging, Inc.
CONTRAST AGENT COMPRISING LOW DENSITY MICROSPHERES	10/25/2002	10280844	08/10/2004	6773696	Lantheus Medical Imaging, Inc.
VITRONECTIN RECEPTOR ANTAGONIST PHARMACEUTICALS	10/26/2002	10281015	03/28/2006	7018611	Lantheus Medical Imaging, Inc.
IMAGING SEXUAL RESPONSE	11/08/2002	10291900	11/29/2005	6969507	Lantheus Medical Imaging, Inc.
PHARMACEUTICALS FOR THE IMAGING OF ANGIOGENIC DISORDERS	01/14/2003	10342081	10/05/2004	6800273	Lantheus Medical Imaging, Inc.
INTEGRIN TARGETED IMAGING AGENTS	01/24/2003	10351463	08/14/2007	7255875	Lantheus Medical Imaging, Inc.
DIAGNOSTIC IMAGING CONTRAST AGENTS WITH EXTENDED BLOOD RETENTION	01/30/2003	10354723	03/14/2006	7011815	Lantheus Medical Imaging, Inc.
PHARMACEUTICALS FOR THE IMAGING OF ANGIOGENIC DISORDERS	07/18/2003	10622246	05/30/2006	7052673	Lantheus Medical Imaging, Inc.
DIAGNOSTIC IMAGING CONTRAST AGENTS WITH EXTENDED BLOOD RETENTION	01/12/2004	10755506	06/13/2006	7060250	Lantheus Medical Imaging, Inc.
DIAGNOSTIC IMAGING CONTRAST AGENTS WITH EXTENDED BLOOD RETENTION	01/12/2004	10755507	06/12/2007	7229606	Lantheus Medical Imaging, Inc.

Title	Filing Date	Appl. No.	Grant Date	Grant No.	Owner
METHOD AND APPARATUS FOR SEPARATING IONS OF METALLIC ELEMENTS IN AQUEOUS SOLUTION	01/22/2004	10762990	11/21/2006	7138643	Lantheus Medical Imaging, Inc.
COMPOSITION COMPRISING LOW DENSITY MICROSPHERES	06/10/2004	10864965	02/14/2006	6998107	Lantheus Medical Imaging, Inc.
IMAGING SEXUAL RESPONSE	07/18/2005	11184271			Lantheus Medical Imaging, Inc.
COMPOSITION COMPRISING LOW DENSITY MICROSPHERES	10/18/2005	11252659	03/18/2008	7344705	Lantheus Medical Imaging, Inc.
INTEGRIN TARGETED IMAGING AGENTS	12/16/2005	11305416	03/18/2008	7344698	Lantheus Medical Imaging, Inc.
STEADY STATE PERFUSION METHODS	02/03/2006	11346884			Lantheus Medical Imaging, Inc.
DIAGNOSTIC IMAGING CONTRAST AGENTS WITH EXTENDED BLOOD RETENTION	06/22/2006	11472842	09/13/2011	8017105	Lantheus Medical Imaging, Inc.
DIAGNOSTIC IMAGING CONTRAST AGENTS WITH EXTENDED BLOOD RETENTION	09/25/2006	11526302			Lantheus Medical Imaging, Inc.
DIAGNOSTIC IMAGING CONTRAST AGENTS WITH EXTENDED BLOOD RETENTION	09/25/2006	11526312			Lantheus Medical Imaging, Inc.
METHODS FOR LYMPH SYSTEM IMAGING	08/16/2007	11840070			Lantheus Medical Imaging, Inc.
PREPARATION OF PARAMAGNETIC NANOPARTICLES CONJUGATED TO LEUKOTRIENE B4 (LTB4) RECEPTOR ANTAGONISTS, AND THEIR USE AS MRI	12/19/2007	11959569			Lantheus Medical Imaging, Inc.
-----	02/26/2010	12713890			Lantheus Medical Imaging, Inc.
-----	05/13/2009	61178006			Lantheus Medical Imaging, Inc.
-----	02/08/2010	61302477			Lantheus Medical Imaging, Inc.
-----	03/18/2010	61315376			Lantheus Medical Imaging, Inc.
-----		61682185			Lantheus Medical Imaging, Inc.
-----		61794277			Lantheus Medical Imaging, Inc.
-----		61785623			Lantheus Medical Imaging, Inc.
-----		61724866			Lantheus Medical Imaging, Inc.
-----		61724868			Lantheus Medical Imaging, Inc.
-----		61772723			Lantheus Medical Imaging, Inc.
-----		61772601			Lantheus Medical Imaging, Inc.

Title	Filing Date	Appl. No.	Grant Date	Grant No.	Owner
-----		61716468			Lantheus Medical Imaging, Inc.
-----		61773797			Lantheus Medical Imaging, Inc.
-----		61716473			Lantheus Medical Imaging, Inc.
-----		61773804			Lantheus Medical Imaging, Inc.
-----		61793467			Lantheus Medical Imaging, Inc.
-----		61801461			Lantheus Medical Imaging, Inc.
-----		61776716			Lantheus Medical Imaging, Inc.
-----		61779947			Lantheus Medical Imaging, Inc.
-----		61780132			Lantheus Medical Imaging, Inc.
RADIOPHARMACEUTICAL SYNTHESIS METHODS	04/10/2013	PCT/US13/36027			Lantheus Medical Imaging, Inc.
-----		14075214			Lantheus Medical Imaging, Inc.
-----		14075233			Lantheus Medical Imaging, Inc.
-----		62060291			Lantheus Medical Imaging, Inc.
-----		62098453			Lantheus Medical Imaging, Inc.

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