

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM404360

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	Security Interest (Revolving Loan)		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
IMMUNETICS, INC.		10/28/2016	Corporation: MASSACHUSETTS
RECEIVING PARTY DATA			
Name:	MIDCAP FUNDING IV TRUST, AS AGENT		
Street Address:	7255 Woodmont Avenue, Suite 200		
City:	Bethesda		
State/Country:	MARYLAND		
Postal Code:	20814		
Entity Type:	Statutory Trust: DELAWARE		
PROPERTY NUMBERS Total: 5			
Property Type	Number	Word Mark	
Registration Number:	1428259	IMMUNETICS	
Registration Number:	1430040	MINIBLOTTER	
Registration Number:	1576132	MINIBLOT	
Registration Number:	3786262	BACTX	
Registration Number:	4711618	BACTX	
CORRESPONDENCE DATA			
Fax Number:	7036106200		
<i>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.</i>			
Phone:	7036106100		
Email:	boxip@hoganlovells.com		
Correspondent Name:	Valerie Brennan, Hogan Lovells US LLP		
Address Line 1:	7930 Jones Branch Drive, 9th Floor		
Address Line 2:	Attn: Box Intellectual Property		
Address Line 4:	McLean, VIRGINIA 22102		
NAME OF SUBMITTER:	Valerie Brennan		
SIGNATURE:	/vb/		
DATE SIGNED:	11/03/2016		
Total Attachments: 32			

OP \$140.00 1428259

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement is entered into as of the 28th day of October, 2016 by and between **MIDCAP FUNDING IV TRUST**, a Delaware statutory trust ("Agent"), **IMMUNETICS, INC.**, a Massachusetts corporation (together with any other Person that joins this agreement as a Grantor, each a "Grantor" and collectively, the "Grantors").

RECITALS

A. The Lenders have agreed to make certain advances of money and to extend certain financial accommodation to the Grantors and the original Credit Parties (the "Credit Extensions") in the amounts and manner set forth in that certain Credit, Security and Guaranty Agreement (Revolving Loan), by and between Agent, the Lenders and Grantor dated as of October 4, 2016 (as the same may be amended, modified or supplemented from time to time, the "Credit Agreement"; capitalized terms used herein are used as defined in the Credit Agreement). The Lenders are willing to make the Credit Extensions to the Grantors and the original Credit Parties thereunder, but only upon the condition, among others, that the Grantors shall grant to Agent, for the ratable benefit of the Lenders, a security interest in certain Copyrights, Trademarks, Patents, and Mask Works (as each term is described below) to secure the obligations of the Grantors under the Credit Agreement.

B. Pursuant to the terms of the Credit Agreement, each Grantor has granted to Agent, for the ratable benefit of the Lenders, a security interest in all of such Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Credit Agreement, each Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure its obligations under the Credit Agreement, each Grantor grants and pledges to Agent, for the ratable benefit of the Lenders, a security interest in all of such Grantor's right, title and interest in, to and under its intellectual property, other than Excluded Assets (as defined in the Credit Agreement) (all of which shall collectively be called the "Intellectual Property Collateral"), including, without limitation, the following (to the extent that they are not Excluded Assets):

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights that may be available to such Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the

same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the “Patents”);

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of such Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the “Trademarks”);

(f) All mask works or similar rights available for the protection of semiconductor chips, now owned or hereafter acquired, including, without limitation those set forth on Exhibit D attached hereto (collectively, the “Mask Works”);

(g) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) All licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(i) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(j) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

This security interest is granted in conjunction with the security interest granted to Agent, for the ratable benefit of the Lenders, under the Credit Agreement. The rights and remedies of Agent with respect to the security interest granted hereby are in addition to those set forth in the Credit Agreement and the other Financing Documents, and those which are now or hereafter available to Agent as a matter of law or equity. Each right, power and remedy of Agent provided for herein or in the Credit Agreement or any of the Financing Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Agent of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Credit Agreement or any of the other Financing Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Agent, of any or all other rights, powers or remedies.

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT AND THE RIGHTS, REMEDIES AND OBLIGATIONS OF THE PARTIES HERETO, AND ANY CLAIM, CONTROVERSY OR DISPUTE ARISING UNDER OR RELATED TO THIS AGREEMENT, THE RELATIONSHIP OF THE PARTIES, AND/OR THE INTERPRETATION AND ENFORCEMENT OF THE RIGHTS AND DUTIES OF THE PARTIES AND ALL OTHER MATTERS RELATING HERETO OR ARISING HEREFROM (WHETHER SOUNDING IN CONTRACT LAW, TORT LAW OR OTHERWISE), SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK, WITHOUT REFERENCE TO ITS CONFLICT OF LAW PROVISIONS (OTHER THAN SECTION 5-1401 OF THE GENERAL OBLIGATIONS LAW). EACH GRANTOR HEREBY CONSENTS TO THE JURISDICTION OF ANY STATE OR FEDERAL COURT LOCATED IN THE STATE OF NEW YORK IN THE CITY OF NEW YORK, BOROUGH OF MANHATTAN, AND IRREVOCABLY AGREES THAT, SUBJECT TO

AGENT'S ELECTION, ALL ACTIONS OR PROCEEDINGS ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE OTHER FINANCING DOCUMENTS SHALL BE LITIGATED IN SUCH COURTS. EACH GRANTOR EXPRESSLY SUBMITS AND CONSENTS TO THE JURISDICTION OF THE AFORESAID COURTS AND WAIVES ANY DEFENSE OF FORUM NON CONVENIENS. EACH GRANTOR HEREBY WAIVES PERSONAL SERVICE OF ANY AND ALL PROCESS AND AGREES THAT ALL SUCH SERVICE OF PROCESS MAY BE MADE UPON SUCH GRANTOR BY CERTIFIED OR REGISTERED MAIL, RETURN RECEIPT REQUESTED, ADDRESSED TO SUCH GRANTOR AT THE ADDRESS SET FORTH IN SECTION 12.3 OF THE CREDIT AGREEMENT AND SERVICE SO MADE SHALL BE COMPLETE TEN (10) DAYS AFTER THE SAME HAS BEEN POSTED.

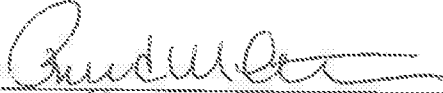
In addition to and without limitation of any of the foregoing, this Intellectual Property Security Agreement shall be subject to all of the terms and conditions contained in Sections 13.4, 13.9, 13.11 and 13.12 of the Credit Agreement, *mutatis mutandis*.

[Signature page follows.]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

IMMUNETICS, INC.

By: 
Name: Richard M. Allice
Title: Treasurer

Address:

700 Nickerson Road, Suite 200
Marlborough, MA 01752
Attn: Chief Financial Officer
E-Mail: CFO@oxfordimmunotec.com

AGENT:

MIDCAP FUNDING IV TRUST

By: Apollo Capital Management, L.P.,
its investment manager

By: Apollo Capital Management GP, LLC,
its general partner

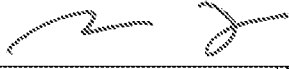
By: 
Name: Maurice Amsellem
Title: Authorized Signatory

EXHIBIT A

Copyrights

None.

EXHIBIT B

Patents

See attached.

Tuesday, October 11, 2018

Patent List (by Case Number)

Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number
IMA-00401	United States of America		ORD	09/29/1859	14-Apr-1999					Abandoned			04616-401
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: SYSTEM AND METHODS FOR INTERPRETING IMMUNOBLOT TEST RESULTS													
IMA-00425	United States of America		ORD	US99/08160	14-Apr-1999	WO99/53288	21-Oct-1999			Completed			04616-425
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: SYSTEMS AND METHODS FOR INTERPRETING IMMUNOBLOT TEST RESULTS													
IMA-00460	United States of America		PRO	60/081679	14-Apr-1998					Expired			
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: YME WESTERN BLOT INTERPRETIVE SOFTWARE													
IMA-00560	United States of America		PRO	60/081690	14-Apr-1998					Expired			04616-560
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: MEMBRANE IMMUNOASSAY FOR CHLAMYDIA IDENTIFICATION													
IMA-00601	United States of America		PRI	08/398608	06-Mar-1995					Transferred			04616-601
<u>Owner Name:</u> Immunetics <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: ASSAYS FOR COMPOUNDS IN CONSUMABLE ITEMS													

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Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number
IMA-00625			ORD	US96/02828	01-Mar-1996	WO96/27795	12-Sep-1996			Transferred			04616-625
Patent Cooperation Treaty													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name:													
Title: ASSAYS FOR COMPOUNDS IN CONSUMABLE ITEMS													
IMA-00630			PCT	526960/96	01-Mar-1996					Transferred			04616-630
Japan													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name: Yusa and Hara													
Title: ASSAYS FOR COMPOUNDS IN CONSUMABLE ITEMS													
IMA-00640			PCT	50912/96	01-Mar-1996					Transferred			04616-640
Australia													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name: Davies Collison Cave													
Title: ASSAYS FOR COMPOUNDS IN CONSUMABLE ITEMS													
IMA-00641			DIV		01-Mar-1996					Transferred			04616-640
Australia													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name: Davies Collison Cave													
Title: ASSAYS FOR COMPOUNDS IN CONSUMABLE ITEMS													
IMA-00650			PCT	22147/15	01-Mar-1996					Transferred			04616-650
Canada													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name: Smart & Biggar (Montreal Office)													
Title: ASSAYS FOR COMPOUNDS IN CONSUMABLE ITEMS													
Attorneys: HPR TKD													
Client Reference:													
Agent Reference: 64371-131													

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REEL: 005915 FRAME: 0663

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Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number
IMA-00690	European Patent Convention		PCT	96907163.8	01-Mar-1996	0813681	29-Dec-1997			Transferred			04616-680
<u>Owner Name:</u> Immunetics <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Verner Shipley LLP <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> 30382													
IMA-01301	United States of America		ORD	09/123282	28-Jul-1998					Abandoned			04616-01301
<u>Owner Name:</u> Immunetics <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
IMA-01325	Patent Cooperation Treaty		ORD	US98/15888	28-Jul-1998	WO99/01325	04-Feb-1999			Completed			04616-01325
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
<u>Title:</u> ASSAYS AND DEVICES FOR IDENTIFYING TRYPANOSOMA CRUZI INFECTION													
IMA-01360	United States of America		PRO	60/053959	28-Jul-1997					Expired			04616-01360
<u>Owner Name:</u> Immunetics <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
<u>Title:</u> SPECIFIC ASSAYS AND DEVICES FOR IDENTIFYING TRYPANOSOMA CRUZI INFECTION													
IMA-01701	United States of America		PRI	09/045630	19-Mar-1998			6194160	27-Feb-2001	Granted			04616-1701
<u>Owner Name:</u> Immunetics <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
<u>Title:</u> SYSTEMS AND METHODS FOR RAPID BLOT SCREENING													

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REEL: 005915 FRAME: 0664



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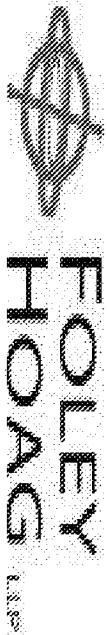
Patent List (by Case Number)

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Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number
IMA-01725			ORD	US99/05790	17-Mar-1999	WO99/47928	23-Sep-1999			Completed			04616-1725
Patent Cooperation Treaty													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name:													
Attorneys: HPR TKD													
Client Reference:													
Agent Reference:													
Title:SYSTEMS AND METHODS FOR RAPID BLOT SCREENING													
IMA-02001			CON	08/939778	29-Sep-1997					Abandoned			04616-2001
United States of America													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name:													
Attorneys: HPR TKD													
Client Reference:													
Agent Reference:													
Title:RAPID FLOW-THROUGH BINDING ASSAYS APPARATUS AND METHOD													
IMA-02002			CIP	09/106824	29-Jun-1998			6303389	16-Oct-2001	Abandoned			04616-2002
United States of America													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name:													
Attorneys: HPR TKD													
Client Reference:													
Agent Reference:													
Title:RAPID FLOW-THROUGH BINDING ASSAY APPARATUS AND METHOD													
IMA-02025			ORD	US98/13573	29-Jun-1998	WO99/00655	07-Jan-1999			Nationaliz			04616-2025
Patent Cooperation Treaty													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name:													
Attorneys: HPR TKD													
Client Reference:													
Agent Reference:													
Title:RAPID FLOW-THROUGH BINDING ASSAYS APPARATUS AND METHOD													
IMA-02030			PCT							Closed			04616-2030
Japan													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name: Yusa and Hara													
Attorneys: HPR TKD													
Client Reference:													
Agent Reference: I-466-1													
Title:RAPID FLOW-THROUGH BINDING ASSAYS APPARATUS AND METHOD													

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REEL: 005915 FRAME: 0665



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Patent List (by Case Number)

Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number
IMA-02040	Australia		PCT							Closed			04616-2040
<u>Owner Name:</u> Immunetics <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Sheiston JP <u>Title:</u> RAPID FLOW-THROUGH BINDING ASSAYS APPARATUS AND METHOD <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> 26552AUP00													
IMA-02050	Canada		PCT							Closed			04616-2050
<u>Owner Name:</u> Immunetics <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Borden Ladrer Garvais, LLP <u>Title:</u> RAPID FLOW-THROUGH BINDING ASSAYS APPARATUS AND METHOD <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> PAT745547W-1													
IMA-02080			PCT							Abandoned			04616-2080
<u>Owner Name:</u> Immunetics <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Marks & Clerk (Scotland-Glasgow) <u>Title:</u> RAPID FLOW-THROUGH BINDING ASSAYS APPARATUS AND METHOD <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> P10292EP													
IMA-02101	United States of America		PRI							Abandoned			04616-2101
<u>Owner Name:</u> Immunetics <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> <u>Title:</u> MODIFIED WESTERN BLOT MEMBRANE AND METHOD FOR DETECTING LYME DISEASE AND TICK-BORNE DISEASES <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
IMA-02102	United States of America		CIP							Abandoned			04616-2102
<u>Owner Name:</u> Immunetics <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> <u>Title:</u> MEMBRANE IMMUNOASSAYS FOR DETECTION OF MULTIPLE TICK-BORNE DISEASES <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													



**FOLEY
HOAG**

L.L.P.

Tuesday, October 11, 2011

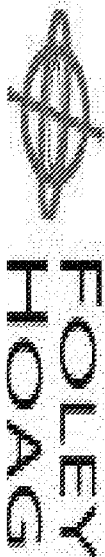
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Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number
IMA-02125			ORD	US98/19245	14-Sep-1998	WO99/13333	18-Mar-1999			Completed			
Patent Cooperation Treaty													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name:													
Attorneys: HPR TKD													
Title:MODIFIED WESTERN BLOT MEMBRANE AND METHOD FOR DETECTING LYME DISEASE AND TICK-BORNE DISEASES													
IMA-02126			ORD	US99/21814	20-Sep-1999	WO01/20325	22-Mar-2001			Completed			04616-2126
Patent Cooperation Treaty													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name:													
Attorneys: HPR TKD													
Title:MEMBRANE IMMUNOASSAYS FOR DETECTION OF MULTIPLE TICK-BORNE DISEASES													
IMA-02201			PRI	08/928155	12-Sep-1997					Abandoned			04616-2201
United States of America													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name:													
Attorneys: HPR TKD													
Client Reference:													
Agent Reference:													
Title:WESTERN BLOT AND METHOD FOR DETECTING BABESIA													
IMA-02301			PRI	08/928908	12-Sep-1997					Abandoned			04616-2301
United States of America													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name:													
Attorneys: HPR TKD													
Client Reference:													
Agent Reference:													
Title:COMBINATION IMMUNOASSAY													
IMA-02601			PRI	09/444918	24-Nov-1999					Abandoned			04616-2601
United States of America													
Owner Name: Immunetics													
Client Name: 04616 Immunetics, Inc.													
Agent Name:													
Attorneys: HPR TKD													
Client Reference:													
Agent Reference:													
Title:MEMBRANE IMMUNOASSAYS FOR DETECTION OF HUMAN IMMUNODEFICIENCY VIRUS													

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REEL: 005915 FRAME: 0667



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Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number
IMA-02701	United States of America		ORD	10/138654	03-May-2002	0003514-A1	02-Jan-2003	7105311	12-Sep-2006	Granted	03-May-2022		04616-2701
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u>													
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS													
IMA-02702	United States of America		CIP	10/852644	24-May-2004	0178542-A1	02-Aug-2007	7262019	28-Aug-2007	Granted	03-May-2022		04616-2702
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u>													
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS													
IMA-02703	United States of America		DIV	10/914492	09-Aug-2004	0042696-A1	24-Feb-2005	7125517	24-Oct-2006	Granted	03-May-2022		04616-2703
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u>													
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS													
IMA-02704	United States of America		CON	11/510272	25-Aug-2006	0148707-A1	28-Jun-2007			Abandoned			04616-2704
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u>													
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS													
IMA-02725	Patent Cooperation Treaty		ORD	US02/13845	03-May-2002	WO02/090961	14-Nov-2002			Nationaliz			04616-2725
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u>													
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS													



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Tuesday, October 11, 2011

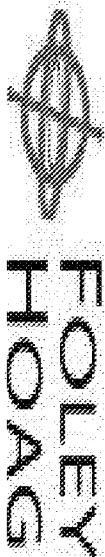
Patent List (by Case Number)

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Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number
IMA-02750	Canada		PCT	2446246	03-May-2002					Abandoned			04616-2750
<u>Owner Name:</u> Immunetics, Inc.													
<u>Client Name:</u> 04616 Immunetics, Inc.													
<u>Agent Name:</u> Smart & Biggar (Montreal Office)													
<u>Title:</u> SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS													
<u>Attorneys:</u> HPR TKD													
<u>Client Reference:</u>													
<u>Agent Reference:</u> 76149-38													
IMA-02760	United States of America		PRO	60/298597	03-May-2001					Expired			04616-2760
<u>Owner Name:</u> Immunetics, Inc.													
<u>Client Name:</u> 04616 Immunetics, Inc.													
<u>Agent Name:</u>													
<u>Title:</u> SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS													
<u>Attorneys:</u> HPR TKD													
<u>Client Reference:</u>													
<u>Agent Reference:</u>													
IMA-02761	United States of America		PRO	60/334807	15-Nov-2001					Expired			04616-2761
<u>Owner Name:</u> Immunetics, Inc.													
<u>Client Name:</u> 04616 Immunetics, Inc.													
<u>Agent Name:</u>													
<u>Title:</u> SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS													
<u>Attorneys:</u> HPR TKD													
<u>Client Reference:</u>													
<u>Agent Reference:</u>													
IMA-02780	European Patent Convention		PCT	02729102.0	03-May-2002	1390729	25-Feb-2004			Abandoned			04616-2780
<u>Owner Name:</u> Immunetics, Inc.													
<u>Client Name:</u> 04616 Immunetics, Inc.													
<u>Agent Name:</u> Mathys & Squire Intellectual Property													
<u>Title:</u> SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS													
<u>Attorneys:</u> HPR TKD													
<u>Client Reference:</u>													
<u>Agent Reference:</u> HVA/26081EP													
IMA-02860	United States of America		PRO	60/291680	17-May-2001					Abandoned			04616-2860
<u>Owner Name:</u> Immunetics, Inc.													
<u>Client Name:</u> 04616 Immunetics, Inc.													
<u>Agent Name:</u>													
<u>Title:</u> SYSTEMS AND METHODS FOR THE DETECTION OF BACTERIAL CONTAMINATION OF PLATELET UNITS													

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REEL: 005915 FRAME: 0669



Tuesday, October 11, 2016

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Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number
IMA-02861	United States of America		PRO	60/329443	15-Oct-2001					Abandoned			04616-2861
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u>													
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: SYSTEMS AND METHODS FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELET UNITS													
IMA-02862	United States of America		PRO	60/381572	17-May-2002					Expired			04616-2862
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u>													
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: SYSTEMS AND METHODS FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELET UNITS													
IMA-02901	United States of America	R	CLP	1/14/13977	28-Apr-2006	0269982-A1	30-Nov-2006	7598054	06-Oct-2009	Granted	07-Nov-2024		04616-2901
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u>													
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: RAPID PEPTIDOLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS													
IMA-02902	United States of America	R	CLP	12/57/4590	06-Oct-2009	0227353-A1	09-Sep-2010	8450079	28-May-2013	Granted	20-Oct-2025		04616-2902
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u>													
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: METHOD FOR DETECTING BACTERIA (as amended 1-29-13 NOA by Examiner)													
IMA-02903	United States of America	R	CON	13/898683	21-May-2013	0011218-A1	09-Jan-2014	8841086	23-Sep-2014	Granted	22-Oct-2024		04616-02903
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u>													
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>													
Title: KIT FOR DETECTING BACTERIAL CONTAMINATION (as amended per 5-16-14 NOA)													



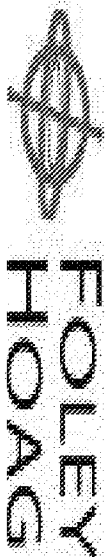
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L.L.P.

Tuesday, October 11, 2018

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Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number	Action Due	Due Date	Indicator
IMA-02904	United States of America	R	CON	14/096468	04-Dec-2013	0329304-A1	06-Nov-2014			Abandoned			04616-02904			
<p><u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u></p> <p><u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u></p>																
Title:RAPID PEPTIDOLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION																
IMA-02905	United States of America	R	CON	14/872808	01-Oct-2015	US-2016-0201109-A1	14-Jul-2016			Published			04616-02905			
<p><u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u></p> <p><u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u></p>																
Title:RAPID PEPTIDOLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION																
IMA-02925		R	ORD	US04/035160	22-Oct-2004	WO05/045065	19-May-2005			Nationaliz			04616-2925			
<p><u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u></p> <p><u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u></p>																
Title:RAPID PEPTIDOLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS																
IMA-02926		R	ORD	US07/010397	30-Apr-2007	WO07/127459	08-Nov-2007			Completed			04616-2926			
<p><u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u></p> <p><u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u></p>																
Title:RAPID PEPTIDOLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS																
IMA-02927		R	ORD	US10/051627	06-Oct-2010	WO11/044234	14-Apr-2011			Nationaliz			04616-2927			
<p><u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u></p> <p><u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u></p>																
Title:RAPID PEPTIDOLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION																



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Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number
IIMA-02930	Japan	R	PCT	2006-538135	22-Oct-2004	4777898	08-Jul-2011			Granted			04616-2930
Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Yanagida & Associates Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS Attorneys: HPR TKD Client Reference: Agent Reference: PCT8420JAF													
IIMA-02933	South Africa	R	PCT	2006/04418	22-Oct-2004	2006/04418	28-Nov-2007			Abandoned			04616-2933
Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Spoor & Fisher Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS Attorneys: HPR TKD Client Reference: Agent Reference: PA141920ZA													
IIMA-02940	Australia	R	PCT	2004/287061	22-Oct-2004	2004/287061	21-Apr-2011			Abandoned			04616-2940
Owner Name: Immunetics Client Name: 04616 Immunetics, Inc. Agent Name: Shelston JP Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS Attorneys: HPR TKD Client Reference: Agent Reference: 50358AUP00													
IIMA-02950	Canada	R	PCT	2543939	22-Oct-2004	2543939	13-May-2014			Granted			04616-2950
Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Riches, McKenzie & Herbert Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS Attorneys: HPR TKD Client Reference: Agent Reference: P25306													
Action Due CA Reissue Letter CA Reissue Deadline-1mo Deadline to File CA Reissue File CA Reissue ?													
Due Date 13-Nov-2017 13-Apr-2018 13-May-2018 13-May-2018 13-May-2018													
Indicator Due Date Due Date Final Due Date													
IIMA-02960	United States of America		PRO	60/516576	31-Oct-2003					Expired			04616-2960
Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS Attorneys: HPR TKD Client Reference: Agent Reference:													

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Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number
IMA-02980		R	PCT	04796195.8	22-Oct-2004	1692299	23-Aug-2006	1692299	29-Jul-2009	Granted			04616-2980
<p>Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Kilburn and Strode Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS</p> <p>Attorneys: HPR TKD Client Reference: P40843EP-KNJL/SMG Agent Reference: P40843EP-KNJL/SMG</p>													
IMA-02982	Belgium		EPP	04796195.8	22-Oct-2004	1692299	23-Aug-2006	1692299	29-Jul-2009	Abandoned			04616-2982
<p>Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Kilburn and Strode Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS</p> <p>Attorneys: HPR TKD Client Reference: P40843EP-KNJL/SMG Agent Reference: P40843EP-KNJL/SMG</p>													
IMA-02984	France		EPP	04796195.8	22-Oct-2004	1692299	23-Aug-2006	1692299	29-Jul-2009	Granted			04616-2984
<p>Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Kilburn and Strode Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS</p> <p>Attorneys: HPR TKD Client Reference: P40843EP-KNJL/SMG Agent Reference: P40843EP-KNJL/SMG</p>													
IMA-02985	Germany		EPP	04796195.8	22-Oct-2004	1692299	23-Aug-2006	602004022325.5-08	29-Jul-2009	Granted			04616-2985
<p>Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Kilburn and Strode Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS</p> <p>Attorneys: HPR TKD Client Reference: N40843DE Agent Reference: N40843DE</p>													
IMA-02987	Italy		EPP	04796195.8	22-Oct-2004	1692299	23-Aug-2006	1692299	29-Jul-2009	Granted			04616-2987
<p>Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Kilburn and Strode Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS</p> <p>Attorneys: HPR TKD Client Reference: P40843EP-KNJL/SMG Agent Reference: P40843EP-KNJL/SMG</p>													

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REEL: 005915 FRAME: 0673

Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number
IMA-02988	Ireland	EPP		04796195.8	22-Oct-2004	1692299	23-Aug-2006	1692299	29-Jul-2009	Abandoned	22-Oct-2024		04616-2988
<p><u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Kilburn and Strode <u>Title:</u>RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> P40843EP-KNJL/SMG</p>													
IMA-02991	Netherlands	EPP		04796195.8	22-Oct-2004	1692299	23-Aug-2006	1692299	29-Jul-2009	Granted	22-Oct-2024		04616-2991
<p><u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Kilburn and Strode <u>Title:</u>RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> P40843EP-KNJL/SMG</p>													
IMA-02993	Spain	EPP		04796195.8	22-Oct-2004	1692299	23-Aug-2006	1692299	29-Jul-2009	Abandoned	22-Oct-2024		04616-2993
<p><u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Kilburn and Strode <u>Title:</u>RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> P40843EP-KNJL/SMG</p>													
IMA-02995	Switzerland	EPP		04796195.8	22-Oct-2004	1692299	23-Aug-2006	1692299	29-Jul-2009	Abandoned	22-Oct-2024		04616-2995
<p><u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Kilburn and Strode <u>Title:</u>RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> P40843EP-KNJL/SMG</p>													
IMA-02996	United Kingdom	EPP		04796195.8	22-Oct-2004	1692299	23-Aug-2006	1692299	29-Jul-2009	Granted	22-Oct-2024		04616-2996
<p><u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Kilburn and Strode <u>Title:</u>RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS <u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> P40843EP-KNJL/SMG</p>													



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Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number
IMA-03001	United States of America		ORD	11/130651	17-May-2005	0277185-A1	15-Dec-2005			Abandoned			04616-03001
Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Title: BINDING ASSAY DEVICE WITH RESERVOIR Attorneys: HPR TKD Client Reference: Agent Reference:													
IMA-03025			ORD	US05/017240	17-May-2005	W005/16185	08-Dec-2005			Completed			04616-3025
Patent Cooperation Treaty Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Title: BINDING ASSAY DEVICE WITH RESEVOIR Attorneys: HPR TKD Client Reference: Agent Reference:													
IMA-03060	United States of America		PRO	60/571956	18-May-2004					Expired			04616-03060
Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Title: BINDING ASSAY DEVICE WITH RESERVOIR Attorneys: HPR TKD Client Reference: Agent Reference:													
IMA-03101	United States of America		PCT	09/914176	01-Mar-2000			9109260	18-Aug-2015	Granted			04616-3101
Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Title: IDENTIFICATION OF BACTERIA BY AMPLIFICATION AND PROBING Attorneys: HPR TKD Client Reference: Agent Reference:													
Action Due: 01-Mar-2020 Re-Issue Deadline: 18-Aug-2017 Indicator: Final													

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REEL: 005915 FRAME: 0675



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Patent List (by Case Number)

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Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number	Indicator
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IMA-03201	United States of America		ORD	13/657394	22-Oct-2012	0244258-A1	19-Sep-2013			Published			04616.03201	
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Owner Name: Immunetics, Inc.
 Client Name: 04616 Immunetics, Inc.
 Agent Name:

Attorneys: HPR TKD
 Client Reference:
 Agent Reference:

Action Due
 Res/Notice of Appeal 28-Oct-2016 Due Date
 Res/Notice of Appeal 28-Nov-2016 Due Date
 Appeal-1st Ext
 Res/Notice of Appeal 28-Dec-2016 Due Date
 Appeal-2nd Ext
 2 Wk Notice of Appeal 14-Jan-2017 Due Date
 Appeal/CON
 1 Wk Notice of Appeal 21-Jan-2017 Due Date
 Appeal/CON
 Response/Appeal/CON 28-Jan-2017 Final
 Deadline

Title:SENSITIVE AND SPECIFIC ASSAY FOR BABESIA SPP.

IMA-03225			ORD	US12/061333	22-Oct-2012	WO13/059795	25-Apr-2013			Completed			04616.03225	
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Owner Name: Immunetics, Inc.
 Client Name: 04616 Immunetics, Inc.
 Agent Name:

Attorneys: HPR TKD
 Client Reference:
 Agent Reference:

Title:SENSITIVE AND SPECIFIC ASSAY FOR BABESIA SPP.

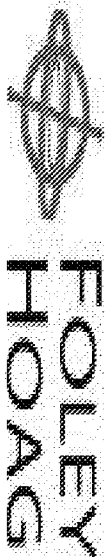
IMA-03260	United States of America		PRO	61/549612	20-Oct-2011					Expired			04616-3260	
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Owner Name: Immunetics, Inc.
 Client Name: 04616 Immunetics, Inc.
 Agent Name:

Attorneys: HPR TKD
 Client Reference:
 Agent Reference:

Title:SENSITIVE AND SPECIFIC ASSAY FOR BABESIA SPP.

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Tuesday, October 11, 2016

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Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number	Indicator
IMA-03301	United States of America		ORD	14/513991	14-Oct-2014	0185208-A1	02-Jul-2015			Published			04616.03301	
<u>Owner Name:</u> IMMUNETICS INC <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u>														
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>														
<u>Action Due</u> <u>Due Date</u> <u>Indicator</u> Obtain & File 23-Oct-2016 Due Date Oath/POA-9-16-12 Req Corr OFR/RADS 23-Oct-2016 Due Date w/invent addr Req Corrected OFR/File 27-Oct-2016 Due Date ADS														

Title: LED ASSAY READER WITH TOUCHSCREEN CONTROL AND BARCODE SAMPLE ID

IMA-03302 DIV 14/665574 0054307-A1 Published 04616.03302

United States of America 23-Mar-2015 25-Feb-2016

Owner Name: IMMUNETICS INC
Client Name: 04616 Immunetics, Inc.
Agent Name: Attorneys: HPR TKD
Client Reference: Agent Reference:

Title: LED ASSAY READER WITH TOUCHSCREEN CONTROL AND BARCODE SAMPLE ID

IMA-03325 ORD US14/060462 WO15/054695 Completed 04616.03325

Patent Cooperation Treaty 14-Oct-2014 16-Apr-2015

Owner Name: IMMUNETICS INC
Client Name: 04616 Immunetics, Inc.
Agent Name: Attorneys: HPR TKD
Client Reference: Agent Reference:

Title: LED ASSAY READER WITH TOUCHSCREEN CONTROL AND BARCODE SAMPLE ID

IMA-03360 PRO 61/889874 Expired 04616.03360

United States of America 11-Oct-2013

Owner Name: Immunetics, Inc.
Client Name: 04616 Immunetics, Inc.
Agent Name: Attorneys: HPR TKD
Client Reference: Agent Reference:

Title: LED ASSAY READER WITH TOUCHSCREEN CONTROL AND BARCODE SAMPLE ID

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Case Number	Sub Case	Case Type	Application No.	Publication No.	Patent No.	Status	Exp Date	Old Case Number	Billing Number	Indicator
IMA-03401		DES	29/469583			Pending			04616.03401	
United States of America			11-Oct-2013							
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u>										
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u>										
<u>Action Due</u> <u>Due Date</u> <u>Indicator</u> 2 Mo OA-Reply 25-Oct-2016 Due Date w/DRWGS Due 2 Mo OA-Reply 25-Nov-2016 Due Date w/DRWGS 1mo Ext 2 Mo OA-Reply 25-Dec-2016 Due Date w/DRWGS 2mo Ext 2 Mo OA-Reply 25-Jan-2017 Due Date w/DRWGS 3mo Ext 2 Mo OA-Reply 25-Feb-2017 Final w/DRWGS Final										

TRADEMARK

Title: LED ASSAY READER

IMA-12933	R	PCT	2012/03203	2012/03203		Abandoned			04616.12933	
South Africa			06-Oct-2010							
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Spoor & Fisher										
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> PA155599ZA										

Title: RAPID PEPTIDOLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION

IMA-12940	R	PCT	201030350			Abandoned			04616.12940	
Australia			06-Oct-2010							
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Shelston IP										
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> 74819AUP00										

Title: RAPID PEPTIDOLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION

IMA-12941		DIV	2016201275			Abandoned			04616.12941	
Australia			06-Oct-2010							
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Shelston IP										
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> 74819AUP01 GIS/MDC/I										

Title: RAPID PEPTIDOLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION



FOLEY HOAG

L.L.P.

Tuesday, October 11, 2018

Patent List (by Case Number)

Page 18 of 19

Case Number	Country	Sub Case	Case Type	Application No.	Filing Date	Publication No.	Publication Date	Patent No.	Patent Date	Status	Exp Date	Old Case Number	Billing Number	Indicator
IMA-12950	Canada	R	PCT	2776381	06-Oct-2010	2776381	14-Apr-2011			Published			04616.12950	
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Riches, McKenzie & Herbert														
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> P17212														
<u>Action Due</u> CA Response Due in 2wks 20-Jan-2017 Due Date Due Date CA Response Due in 1wk 27-Jan-2017 Due Date Due Date CA Response due to CPO 03-Feb-2017 Final Awaiting 1st CA OA 06-Oct-2018 Due Date														

Title:RAPID PEPTIDOLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION

IMA-12980	European Patent Convention	R	PCT	10822602.8	06-Oct-2010	2486142	15-Aug-2012			Published			04616.12980	
<u>Owner Name:</u> Immunetics, Inc. <u>Client Name:</u> 04616 Immunetics, Inc. <u>Agent Name:</u> Kilburn and Strode														
<u>Attorneys:</u> HPR TKD <u>Client Reference:</u> <u>Agent Reference:</u> P54965EP-K														
<u>Title:</u> RAPID PEPTIDOLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION														
<u>Action Due</u> Status Inq- Awaiting next OA 20-Apr-2017 Due Date Due Date														

TRADEMARK

EXHIBIT C

Trademarks

See attached.

Immunitics Registered U.S. Trademarks

Typed Drawing

.....

Word Mark	IMMUNETICS
Goods and Services	IC 009. US 026. G & S: ANTIBODY SCREENING TEMPLATES. FIRST USE: 19850318. FIRST USE IN COMMERCE: 19850318
Mark Drawing Code	(1) TYPED DRAWING
Serial Number	73608457
Filing Date	July 8, 1986
Current Basis	1A
Original Filing Basis	1A
Published for Opposition	November 18, 1986
Registration Number	1428259
Registration Date	February 10, 1987
Owner	(REGISTRANT) LEVIN, ANDREW E. DBA IMMUNETICS COMPANY INDIVIDUAL UNITED STATES 145 BISHOP ALLEN DRIVE CAMBRIDGE MASSACHUSETTS 02139 (LAST LISTED OWNER) IMMUNETICS, INC. CORPORATION 27 DRYDOCK AVENUE BOSTON MASSACHUSETTS 02210
Assignment Recorded	ASSIGNMENT RECORDED
Attorney of Record	GARRETT C. DONLEY
Type of Mark	TRADEMARK
Register	PRINCIPAL
Affidavit Text	SECT 15. SECT 8 (6-YR). SECTION 8(10-YR) 20070419.
Renewal	1ST RENEWAL 20070419
Live/Dead Indicator	LIVE

Typed Drawing

.....

Word Mark	MINIBLOTTER
Goods and Services	IC 009. US 026. G & S: LABORATORY ANTIBODY SCREENING TEMPLATES. FIRST USE: 19850912. FIRST USE IN COMMERCE: 19851017
Mark Drawing Code	(1) TYPED DRAWING
Serial Number	73608195
Filing Date	July 7, 1986
Current Basis	1A
Original Filing Basis	1A
Published for Opposition	December 2, 1986
Registration Number	1430040
Registration Date	February 24, 1987
Owner	(REGISTRANT) LEVIN, ANDREW E. DBA IMMUNETICS COMPANY INDIVIDUAL UNITED STATES 145 BISHOP ALLEN DRIVE CAMBRIDGE MASSACHUSETTS 02139 (LAST LISTED OWNER) IMMUNETICS, INC. UNKNOWN ASSIGNEE OF 27 DRYDOCK AVE. BOSTON MASSACHUSETTS 02210
Assignment Recorded	ASSIGNMENT RECORDED
Attorney of Record	GARRETT C. DONLEY
Type of Mark	TRADEMARK
Register	PRINCIPAL
Affidavit Text	SECT 15. SECT 8 (6-YR). SECTION 8(10-YR) 20070420.
Renewal	1ST RENEWAL 20070420
Live/Dead Indicator	LIVE

Typed Drawing

.....

Word Mark	MINIBLOT
Goods and Services	IC 009. US 026. G & S: LABORATORY EQUIPMENT, NAMELY ANTIGEN IMPREGNATED MEMBRANES FOR SCIENTIFIC TESTS SUCH AS ANTIBODY SCREENING TESTS. FIRST USE: 19880913. FIRST USE IN COMMERCE: 19880913
Mark Drawing Code	(1) TYPED DRAWING
Serial Number	73783937
Filing Date	March 1, 1989
Current Basis	1A
Original Filing Basis	1A
Published for Opposition	October 17, 1989
Registration Number	1576132
Registration Date	January 9, 1990
Owner	(REGISTRANT) IMMUNETICS, INC. CORPORATION MASSACHUSETTS 27 Drydock Avenue Boston MASSACHUSETTS 02210
Attorney of Record	Garrett C. Donley
Prior Registrations	1430040
Type of Mark	TRADEMARK
Register	PRINCIPAL
Affidavit Text	SECT 15. SECT 8 (6-YR). SECTION 8(10-YR) 20100119.
Renewal	2ND RENEWAL 20100119
Live/Dead Indicator	LIVE

Word Mark BACTX

Goods and Services IC 005. US 006 018 044 046 051 052. G & S: Test kits comprising diagnostic reagents for clinical or medical laboratory use. FIRST USE: 20100322. FIRST USE IN COMMERCE: 20100322

IC 009. US 021 023 026 036 038. G & S: Test kits primarily comprising photometers, pipettes and tubes. FIRST USE: 20100322. FIRST USE IN COMMERCE: 20100322

Standard Characters Claimed

Mark Drawing Code (4) STANDARD CHARACTER MARK

Trademark Search Facility Classification Code LETTER-3-OR-MORE BACTX Combination of three or more letters as part of the mark

Serial Number 78804375

Filing Date February 1, 2006

Current Basis 1A

Original Filing Basis 1B

Published for Opposition January 22, 2008

Registration Number 3786262

Registration Date May 4, 2010

Owner (REGISTRANT) **Immunetics, Inc. CORPORATION**
 MASSACHUSETTS 27 Drydock Ave. Boston MASSACHUSETTS
 02210

Attorney of Record Charles Weinstein

Type of Mark TRADEMARK

Register PRINCIPAL

Live/Dead Indicator LIVE

Immunitics Trademarks

Oct 11, 2016 12:14:34 PM

COUNTRY	MARK	OWNER	APPL. NO.	REG. NO.	STATUS	CLASS/GOODS/SERVICES
European Union	BactX	Immunitics, Inc.		1226983	Registered	005-Medical buffer solutions, reagents and assays for testing pharmaceutical materials for microorganisms, in biological laboratories; medical buffer solutions, reagents and assays for testing clinical samples for bacterial contamination.
International Bureau (WIPO)	BactX	Immunitics, Inc.		1226983	Registered	005-Medical buffers, reagents and assays for testing pharmaceutical materials for microorganisms; medical buffers, reagents and assays for testing clinical samples for bacterial contamination.
United States of America	BACTX	Immunitics, Inc.	78804375	3786262	Registered	005-Test kits comprising diagnostic reagents for clinical or medical laboratory use. * 009-Test kits primarily comprising photometers, pipettes and tubes.
United States of America	BactX	Immunitics, Inc.	86354839	4711618	Registered	005-Medical buffer solutions, reagents and assays for testing pharmaceutical materials for microorganisms; medical buffer solutions, reagents and assays for testing clinical samples for bacterial contamination.

4 results displayed

TRADEMARK

EXHIBIT D

Mask Works

None.