### OP \$140.00 14282

### 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

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:** 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

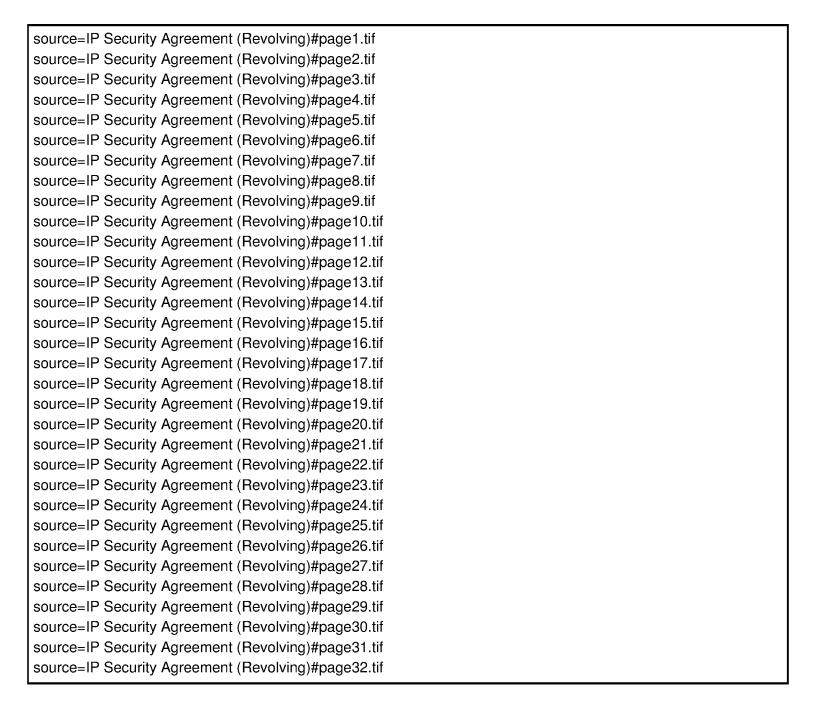
Address Line 4: McLean, VIRGINIA 22102

NAME OF SUBMITTER:	Valerie Brennan
SIGNATURE:	/vb/
DATE SIGNED:	11/03/2016

**Total Attachments: 32** 

TRADEMARK REEL: 005915 FRAME: 0653

900383766



### 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 <a href="Exhibit A">Exhibit A</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

MidCap / Oxford / IP Security Agreement (Revolving) \\DC - 036639/000034 - 9227520

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: SALCO CONTROL

Name: Ridarde M Alhado

Title: Titlasadad

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

Name: Maurice Amsellem Title: Authorized Signatory

### **EXHIBIT A**

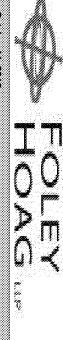
Copyrights

None.

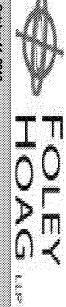
### **EXHIBIT B**

Patents

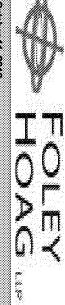
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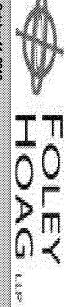
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			АММ	Attorneys: HPR TKD			Owner Name: Immunetics	<u>Own</u>
						06-Mar-1995	ρŏ	United States of America
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				Client Reference:		Inc.	Client Name: 04616 Immunetics, Inc.	Clie
			AMM	Attorneys: HPR TKD			Owner Name: Immunetics, Inc.	Own
						14-Apr-1998	ΔŠ	United States of America
	04616-560		Expired			60/081690	PRO	IMA-00560
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			AMM	Attorneys: HPR TKD			Owner Name: Immunetics, Inc.	Own
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			Expired			60/081679	PRO	IMA-00460
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				Agent Reference:			Agent Name:	Age
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			AMM	Attorneys: HPR TKD			Owner Name: Immunetics, Inc.	Own
R					21-Oct-1999	14-Apr-1999	aty	Patent Cooperation Treaty
EE	04616-425		Completed		WO99/53288	US99/08160	ORD	IMA-00425
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			АММ	Attorneys: HPR TKD			Owner Name: Immunetics, Inc.	Own
						14-Apr-1999	ΔŠ	United States of America
	04616-401		Abandoned			09/291859	ORD	IMA-00401
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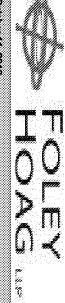


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Country	Case Type	Filing Date	Publication Date	Patent Date	Exp Date	Old Case Number	Billing Number	
IMA-00625	ORD ORD	US96/02828	WO96/27795		Transfered		04616-625	
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	Agent Name:			Agent Reference:				
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Japan		01-Mar-1996						
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	Client Name: 04616 Immunetics, Inc.	s, Inc.		Client Reference:				
	Agent Name: Yuasa and Hara Title:ASSAYS FOR COMP	<u>it Name:</u> Yuasa and Hara Title:ASSAYS FOR COMPUNDS IN CONSUMABLE ITEMS		Agent Reference: A-984-1				
IMA-00640	PCT	50912/96			Transfered		04616-640	
Australla		01-Mar-1996						
	Owner Name: Immunetics			Attorneys: HPR TKD	AMM			
	Client Name: 04616 Immunetics, Inc.	s, Inc.		Client Reference:				
	Agent Name: Davies Collison Cave Title: ASSAYS FOR COMPUND	nt Name: Davies Collison Cave  Title:ASSAYS FOR COMPUNDS IN CONSUMABLE ITEMS		Agent Reference: 1940456/PHH				
IMA-00641	DIV				Transfered		04616-640	
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	Client Name: 04616 Immunetics, Inc.	s, Inc.		Client Reference:				
	Agent Name: Davies Collison Cave Title: ASSAYS FOR COMPUND	IL NAME: DAVIES COIIISON CAVE <u>Title:</u> ASSAYS FOR COMPUNDS IN CONSUMABLE ITEMS		Agent Reference: 1940436				
IMA-00650	РСТ	2214715			Transfered		04616-650	
Canada		01-Mar-1996						
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	Client Name: 04616 Immunetics, Inc.	s, Inc.		Client Reference:				
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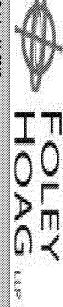


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Country Case	Туре	Filing Date	Publication Date	Patent Date	Exp Date	Old Case Number	Billing Number
IMA-00680	PCT	96907163.8	0813681		Transfered		04616-680 <b>VLA</b>
European Patent Convention		01-Mar-1996	29-Dec-1997				ΕI
Owner Name: Immunetics	unetics			Attorneys: HPR TKD	AMM		ΑD
Client Name: 04616 Immunetics, Inc.	16 Immunetics,	inc.		Client Reference:			·R/
Agent Name: Venner Shipley LLP Title: ASSAYS FOR COMPLIN	ner Shipley LLP	<u>nt Name:</u> Venner Shipley LLP Tifle: ASSAVS FOR COMPLINDS IN CONSTIMART F ITEMS	,	Agent Reference: 30382			Т
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United States of America		28-Jul-1998					
Owner Name: Immunetics	unetics			Attorneys: HPR TKD	AMM		
	04616 Immunetics, Inc.	Inc.		Client Reference:			
<u>Agent Name:</u> <u>Title:</u> SPECIFIC	C ASSAYS AND	IL NAME:  Title:SPECIFIC ASSAYS AND DEVICES FOR IDENTIFYING TRYPANOSOMA CRUZI INFECTION	NG TRYPANOSOMA CF	Agent Reference: RUZI INFECTION			
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Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc	unetics, Inc. 16 Immunetics,	Inc.		Attorneys: HPR TKD Client Reference:	AMM		
Agent Name: Title:ASSAY A	ND DEVICE FO	Agent Reference: Title: ASSAY AND DEVICE FOR IDENTIFYING TRYPANOSOMA CRUZI INFECTION (AS AMENDED)	)SOMA CRUZI INFECTI	Agent Reference: ON (AS AMENDED)			
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	unetics			Attorneys: HPR TKD	АММ		
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IMA-01701	PR	PRI 09/045630 619416		6194160	Granted		04616-1701
United States of America		19-Mar-1998		27-Feb-2001	19-Mar-2018		
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<u>litle:</u> SYSTEM	S AND METHO	ITTE:SYSTEMS AND METHODS FOR RAPID BLOT SCREENING	EENING				

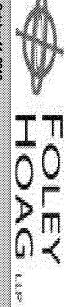




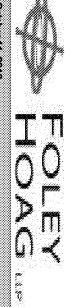
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			AMM	Attorneys: HPR TKD			Owner Name: Immunetics	Owne
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				Client Reference:		, Inc.	Client Name: 04616 Immunetics, Inc.	Clie
			AMM	Attorneys: HPR TKD			Owner Name: Immunetics	Owne
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				Agent Reference: P10292EP		otland-Glasgow)	Agent Name: Marks & Clerk (Scotland-Glasgow)	Age
						, Inc.	Client Name: 04616 Immunetics, Inc.	Clie
			AMM	Attorneys: HPR TKD			Owner Name: Immunetics	Owne
					12-Apr-2000	29-Jun-1998	ition	European Patent Convention
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			AMM	Attorneys: HPR TKD			Owner Name: Immunetics	Owne
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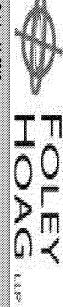
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Client Name: 046	04616 Immunetics, Inc.	Inc.		Client Reference:				R/
Agent Name:				Agent Reference:				Т
<u>Title:</u> MODIFI	ED WESTERN E	3LOT MEMBRANE AND MET	HOD FOR DETECTING	Title:MODIFIED WESTERN BLOT MEMBRANE AND METHOD FOR DETECTING LYME DISEASE AND TICK-BORNE DISEASES	DISEASES			
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Client Name: 046	04616 Immunetics, Inc.	Inc.		Client Reference:				
Agent Name:				Agent Reference:				
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Client Name: 046	04616 Immunetics, Inc.	Inc.		Client Reference:				
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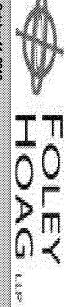


	Application No. Filing Date F	Publication No.	:	
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	02	02-Jan-2003	12-Sep-2006	03-May-2022
Owner Name: Immunetics, Inc.			Attorneys: HPR TKD	AMM
Client Name: 04616 Immunetics, Inc.		Clie	Client Reference:	
Agent Name:		Age	Agent Reference:	
Title: SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS	OR DETECTION OF ANALY	YTES IN BIOLOGICAL F.	LUIDS	
<b>CIP</b> 10/	10/852644	0178542-A1	7262019	Granted
United States of America 24-	24-May-2004 C	02-Aug-2007	28-Aug-2007	03-May-2022
Owner Name: Immunetics, Inc.			Attorneys: HPR TKD	AMM
Client Name: 04616 Immunetics, Inc.		Clie	Client Reference:	
Agent Name:		Age	Agent Reference:	
Title:SYSTEM AND METHODS FOR DETECTION OF BACILLUS ANTHRACIS RELATED ANALYTES IN	OR DETECTION OF BACILLI	US ANTHRACIS RELAT	ED ANALYTES IN BIOLOGICAL FLUIDS	FLUIDS
<b>DIV</b> 10/	10/914492	0042696-A1	7125517	Granted
United States of America 09-	09-Aug-2004 2	24-Feb-2005	24-Oct-2006	03-May-2022
Owner Name: Immunetics, Inc.			Attorneys: HPR TKD	AMM
Client Name: 04616 Immunetics, Inc.		<u>Cli</u>	Client Reference:	
Agent Name:  Agent Name:  Agent Name:  Agent Name:	OR DETECTION OF ANALY	Age YTES IN BIOLOGICAL FI	<u>Agent Reference:</u> L FLUIDS	
CON 11/	11/510272	0148707-A1		Abandoned
United States of America 25-	25-Aug-2006 2	28-Jun-2007		
Owner Name: Immunetics, Inc.			Attorneys: HPR TKD	AMM
Client Name: 04616 Immunetics, Inc.		Olie	Client Reference:	
Agent Name:		Age	Agent Reference:	
ORD US02/13845 WO02/090961	US02/13845 V	WO02/090961	FOILO	Nationaliz
	,0	14-Nov-2002		Nationaliz
Owner Name: Immunetics, Inc.				\\\\\
Client Name: 04616 Immunetics, Inc.		Clic		AMM
			Attorneys: HPR TKD Client Reference:	ZWIM

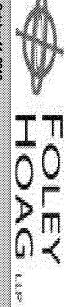


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			Agent Reference:			
			Client Reference:		04616 Immunetics, Inc.	Client Name: 046
		AMM	Attorneys: HPR TKD		າunetics, Inc.	Owner Name: Immunetics, Inc.
					17-May-2001	United States of America
04616-2860		Abandoned			PRO 60/291680	IMA-02860
			ICAL FLUIDS	OF ANALYTES IN BIOLOGI	Title:SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS	Title:SYSTEN
			Agent Reference: HVA/26081EP		Agent Name: Mathys & Squire Intellectual Property	Agent Name: Mat
			Client Reference:		04616 Immunetics, Inc.	Client Name: 046
		AMM	Attorneys: HPR TKD		nunetics, Inc.	Owner Name: Immunetics, Inc.
				25-Feb-2004	03-May-2002	European Patent Convention
04616-2780		Abandoned		1390729	PCT 02729102.0	IMA-02780
			ICAL FLUIDS	OF ANALYTES IN BIOLOGI	Title:SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS	Title:SYSTEN
			Agent Reference:			Agent Name:
			Client Reference:		04616 Immunetics, Inc.	Client Name: 046
		АММ	Attorneys: HPR TKD		Immunetics, Inc.	Owner Name: Imm
					15-Nov-2001	United States of America
04616-2761		Expired			PRO 60/334807	IMA-02761
			ICAL FLUIDS	OF ANALYTES IN BIOLOGI	Title:SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS	Title:SYSTEN
			Agent Reference:			Agent Name:
			Client Reference:		04616 Immunetics, Inc.	Client Name: 046
		AMM	Attorneys: HPR TKD		າunetics, Inc.	Owner Name: Immunetics, Inc.
					03-May-2001	United States of America
04616-2760		Expired			PRO 60/288597	IMA-02760
			ICAL FLUIDS	OF ANALYTES IN BIOLOGI	Title:SYSTEMS AND METHODS FOR DETECTION OF ANALYTES IN BIOLOGICAL FLUIDS	<u>Title:</u> SYSTEN
T			Agent Reference: 76149-38		Smart & Biggar (Montreal Office)	Agent Name: Sma
R			Client Reference:		04616 Immunetics, Inc.	Client Name: 046
ΔΓ		АММ	Attorneys: HPR TKD		າunetics, Inc.	Owner Name: Immunetics, Inc
)FI					03-May-2002	Canada
04616-2750 <b>V.A</b>		Abandoned			<b>PCT</b> 2446246	IMA-02750
Billing Number	Old Case Number	Exp Date	Patent Date	Publication Date	Type Filing Date	Country Case
		Status	Patent No.	Publication No.	Case Application No.	Case Number Sub
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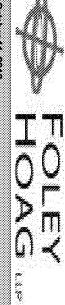




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Case Number	S. H	Case	Application No.	Publication No.	Patent No.	Status			•
Country	Case	Туре	Filing Date	Publication Date	Patent Date	Exp Date	Old Case Number	Billing Number	RK
IMA-02904	ZJ	<u>0</u>	14/096468	0329304-A1		Abandoned		04616.02904	ЛА
United States of America	nerica		04-Dec-2013	06-Nov-2014					
<u> </u> C	Owner Name: Immi	Immunetics, Inc.			Attorneys: HPR TKD	AMM			<b>,</b> D
	Client Name: 0461	04616 Immunetics, Inc	inc.		Client Reference:				D /
					Agent Reference:				T
	Title:RAPID PE	EPTIDOGLYCA	N-BASED ASSAY FOR D	Title:RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION	AL CONTAMINATION				
IMA-02905	Z)	<u>8</u>	14/872808	US-2016-0201109-A1	3	Published		04616.02905	
United States of America	nerica		01-Oct-2015	14-Jul-2016			Action Due		Indicator
0	r Name:	Immunetics, Inc.			Attorneys: HPR TKD	AMM	Obtain & File Oath	5	Due Date
		04616 Immunetics, Inc.	īnc.		Client Reference:		Ohtain & File POA	- 1	
,.	Agent Name:				Agent Reference:			1	,
							OA w/refs		
	Title:RAPID PE	EPTIDOGLYCA	N-BASED ASSAY FOR D	Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION	AL CONTAMINATION				,
IMA-02925	ZJ	ORD	US04/035160	WO05/045065		Nationaliz		04616-2925	
Patent Cooperation Treaty	Treaty		22-Oct-2004	19-May-2005					
2	Owner Name: Immunetics, Inc	unetics, Inc.			Attorneys: HPR TKD	AMM			
	Client Name: 0461	04616 Immunetics, Inc.	īnc.		Client Reference:				
	Agent Name:				Agent Reference:				
	Title:RAPID PE	EPTIDOGLYCA	N-BASED ASSAY FOR D	ETECTION OF BACTERIA	Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS	S			
IMA-02926	ZJ	ORD	US07/010397	WO07/127459		Completed		04616-2926	
Patent Cooperation Treaty	Treaty		30-Apr-2007	08-Nov-2007					
<b>C</b>	Owner Name: Immunetics, Inc.	unetics, Inc.			Attorneys: HPR TKD	AMM			
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	Agent Name:				Agent Reference:				
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IMA-02927	IJ	ORD	US10/051627	WO11/044234		Nationaliz		04616-2927	
Patent Cooperation Treaty	Treaty		06-Oct-2010	14-Apr-2011					
<b>C</b>	Owner Name: Immi	Immunetics, Inc.			Attorneys: HPR TKD	AMM			
	Client Name: 0461	04616 Immunetics, Inc.	inc.		Client Reference:				
	Agent Name:				Agent Reference:				



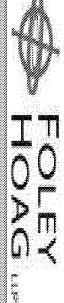
Death   Date   Did Case Number   Billing Number   Did Case Numbe					Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS	DETECTION OF BACTERIA	AN-BASED ASSAY FOR	Title:RAPID PEPTIDOGLYC	
Sub   Case   Aprilation No.   Pathication Date   Pathication No.   Pathication Date   Pathicat					Agent Reference:				<u>Ag</u>
SBAD         Clase         Application No.         Pubbation No.         Pubbation No.         Pubbation No.         Status         Stat							Inc.	ent Name: 04616 Immunetics,	₽
Case   Case   Application No.   Publication No				AMM				ner Name: Immunetics, Inc.	<u>wo</u>
Sub. Case         Case Oppication No. Publication No. Publication No. Publication No. Publication No. Publication Date         Page Page Number         Status Sta				31-Oct-2004			31-Oct-2003	2	United States of Ameri
Case   Application No.   Publication No.   Pub		04616-2960		Expired			60/516576	PRO	IMA-02960
Case   Application No.   Publication No.   Provinciano No.   Publication No.   Publication No.   Publication No.   Publication Date   Publicatio					IAL CONTAMINATION OF PLATELETS	DETECTION OF BACTERIA	AN-BASED ASSAY FOR	Title:RAPID PEPTIDOGLYC	
Bab         Case         Application No.         Publication No.         Patient I.set (by Casse Number)         Status           Case         Type         Fing Date         Publication No.         Patient No.         Explaint No.         Patient No.         Patient No.         Patient No.         Patient No.         Explaint No.<	Due Date	13-May-2018	File CA Reissue?						
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Sub Case         Case         Application No. Filtry Date         Publication No. Publication Date         Patent List (by Case Number)         Status Exp Date         Old Case Number         Billing Number           Case         Type         Filtry Date         Publication Date         Patent Date         Exp Date         Old Case Number         Billing Number           R PCT         2004-2004         4777989         Automays HPR TKO         AMM         Clant Reference         AMM           stame. Varietide & Associations (astern) Association (astern) Associati	Final	13-May-2018	Deadline to File CA						
Sab   Case   Application No.   Publication Date   Public	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Deadline-1mo		Agant Nataranca. r 20000		מופוספונ		į
Sub   Case   Application No.   Publication No.   Pathent List (by Case Number)   Status   Case Number   Case   Case   Number   Case   C	Due Date	13-Apr-2018	CA Reissue		Client Reference:		, Inc.		2 Ω
Sub   Case   Application No.   Publication No.   Publication No.   Publication No.   Palent No.   Exp Date   Case   Number   Publication No.   Publication Date   P	Due Date	13-Nov-2017	CA Reissue Letter	AMM	HPR.			<u>ner Name:</u> Immunetics, Inc.	<u>WO</u>
Sub   Case   Application No.   Publication No.   Patent List (by Case Number)   Patent No.   Case   Application No.   Publication No.   Patent No.	Indicator	Due Date	Action Due	22-Oct-2024	13-May-2014	19-May-2005	22-Oct-2004		Canada
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Sub   Case   Application No.   Patient No.   Patient No.   Case   Type   Filling Date   Publication Date   Patient No.   Exp Date   Oid Case Number   Oid Case Number   Date   Oid Case Number   Oid Case Number   Oid Case	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				IAL CONTAMINATION OF PLATELETS	DETECTION OF BACTERIA	AN-BASED ASSAY FOR	Title:RAPID PEPTIDOGLYC	
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Sub   Case   Application No.   Publication No.   Patent List (by Case Number)     Patent No.   Status							Inc.	nt Name: 04616 Immunetics,	<u>⊆</u>
Sub Case         Case Type         Application No. Filling Date         Publication No. Publication Date         Patient No. Publication Date         Status         Status           R         PCT         2006-539135         Publication Date         4777898         Cyanted         Old Case Number         04616-2930           Iame: Immunetics, Inc. Jame: Varnagida & Associates         Cilent Reference: Agent Reference: PCT6420JAF         AMM         AMM           ERAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS         Abandoned         04616-2930           R         PCT         2006/04418         22-Oct-2004         28-Nov-2007         22-Oct-2024           Iame: Immunetics, Inc. Jame: Door & Fisher         22-Oct-2004         Altomeys: HPR TKO         AMM         04616-2930           Iame: Spoor & Fisher         22-Oct-2004         Altomeys: HPR TKO         AMM         04616-2933           Iame: Spoor & Fisher         Agent Reference: PCT8-00-00-00-00-00-00-00-00-00-00-00-00-00				AMM				er Name: Immunetics	WO WO
Sub   Case   Application No.   Publication No.   Patient List (by Case Number)   Status   Case   Number   Patient No.   Patien				22-Oct-2024	21-Apr-2011	06-Jan-2011	22-Oct-2004		Australia
Sub   Case   Application No.   Publication No.   Patent		04616-2940		Abandoned	2004287061	2004287061	2004287061		IMA-02940
Sub         Case         Application No.         Publication No.         Patient List (by Case Number)         Status           Case         Type         Filling Date         Publication Date         Patient Date         Exp Date         Old Case Number         Billing Number           R         PCT         2006-538135         4777888         4777888         Exp Date         Old Case Number         04616-2930           lame: Immunetics, Inc.         22-Oct-2004         41777888         Attorneys: HPR TKD         AMM           lame: Vanagida & Associates         Agent Reference: Agent Referen					IAL CONTAMINATION OF PLATELETS	DETECTION OF BACTERIA	AN-BASED ASSAY FOR	Title:RAPID PEPTIDOGLYC	
Sub         Case         Application No.         Publication No.         Publication No.         Patient List (by Case Number)         Status           Case         Type         Application No.         Publication Date         Patient Date         Exp Date         Old Case Number         Billing Number           R         PCT         2006-538135         4777898         Granted         Case Number         04616-2930           lame: Immunetics, Inc.         22-Oct-2004         Attorneys: HPR TKD         AMM         AMM           lame: Yanagida & Associates         Associates         Agent Reference: PCT8420JAF         Agent Reference: PCT8420JAF           lame: Yanagida & Associates         PCT         206/04418         2006/04418         Abandoned         Abandoned           R         PCT         2006/04418         2006/04418         Abandoned         Abandoned         04616-2933           R         PCT         2006/04418         2006/04418         Abandoned         Abandoned         04616-2933           R         PCT         2006/04418         2006/04418         Abandoned         Altorneys: HPR TKD         AMM					Agent Reference: PA141920/ZA		; ?		₽
Sub Case         Case         Application No.         Publication No.         Prisent List (by Case Number)         Status           R         PCT         2006-538135         4777898         Exp Date         Old Case Number         Billing Number           R         PCT         2006-538135         4777898         Granted         22-Oct-2004         22-Oct-2004         Attorneys: HPR TKD         AMM           Isame: Immunetics, Inc.         48me: Vanagida & Associates         Associates         Agent Reference: PCT8420JAF         AMM           Isame: Yanagida & Associates         Associates         Agent Reference: PCT8420JAF         Abandoned         Abandoned         Adentical Science (22-Oct-2004)           R         PCT         2006/04418         2006/04418         Abandoned         Abandoned         Adentical Science (22-Oct-2004)				ZIVIN	7		3		2  €
Sub         Case         Application No.         Publication No.         Patient! List (by/ Case Number)         Status           Case         Type         Filing Date         Publication Date         Patient Date         Exp Date         Old Case Number         Billing Number           R         PCT         2006-538135         4777898         Exp Date         Old Case Number         61816-2930           Iame: Immunetics, Inc.         22-Oct-2004         Attorneys: HPR TKD         AMM         AMM           Iame: Yanagida & Associates         Agent Reference: PCT8420JAF         Amminional Reference: PCT8420JAF         Abandoned         Abandoned         04616-2933           R         PCT         2006/04418         2006/04418         Abandoned         04616-2933									
Sub         Case         Application No.         Publication Date         Patient List (by Case Number)         Status           Case         Type         Filling Date         Publication Date         Patient Date         Exp Date         Old Case Number         Billing Number           R         PCT         2006-538135         4777898         Exp Date         Old Case Number         Billing Number           Lame: Immunetics, Inc.         22-Oct-2004         41777898         22-Oct-2024         22-Oct-2024         22-Oct-2024           Jame: Yanagida & Associates         Application Detection OF BACTERIAL CONTAMINATION OF PLATELETS         Almost Patients         Application No.         Application No.         Application No.         Billing Number         Billing Number           R         PCT         2006-538135         Application Date         Patient Date         Exp Date         Old Case Number         Billing Number           Billing Number         Application Number         Exp Date         Old Case Number         Old Gase Number         Mumber           Lame: Immunetics, Inc.         Application Reference: PCT8420JAF         Application Reference: PCT8420JAF         Application Reference: PCT8420JAF         Application Reference: PCT8420JAF           Lame: Yanagida & Associates         Application Reference: PCT8420JAF         Application Reference: PCT				22-Oct-2024	28-Nov-2007		22-Oct-2004		South Africa
Sub Case Application No. Publication No. Patient List (by Case Number)  R PCT 2006-538135 4777898 Exp Date Date Publication Date Bacterines: Value: O4616 Immunetics, Inc. Immunetics, Inc. Immunetics, Inc. Attorneys: HPR TKD Alame: Vanagida & Associates		04616-2933		Abandoned	2006/04418		2006/04418		IMA-02933
Sub Case Application No. Publication No. Patient List (by Case Number)  Case Type Filing Date Publication Date Patent Date Exp Date Old Case Number Billing Number  R PCT 2006-538135 4777898 Granted 22-Oct-2004 22-Oct-2004 22-Oct-2004 AMM  Iame: Immunetics, Inc.  Iame: Vanagida & Associates Agent Reference: PCT8420JAF					IAL CONTAMINATION OF PLATELETS	DETECTION OF BACTERI	AN-BASED ASSAY FOR	Title:RAPID PEPTIDOGLYC	
Sub Case Application No. Publication No. Patient List (by Case Number)  R PCT 2006-538135 4777898 Exp Date Old Case Number Billing Number 22-Oct-2004 22-Oct-2004 22-Oct-2004 Attorneys: HPR TKD AMM    Amage: Immunetics, Inc.   Immunetics, Inc					Agent Reference: PCT8420JAF		ates	ent Name: Yanagida & Associ	Αg
Sub Case Application No. Publication No. Patent List (by Case Number)  R PCT 2006-538135 Publication Date Publication Date Exp Date Old Case Number Billing Number 22-Oct-2004 Aftorneys: HPR TKD AMM					Client Reference:		Inc.		<u>Ω</u>
Sub Case Application No. Publication No. Patient List (by Case Number)  Type Filing Date Publication Date Patient Date Exp Date Old Case Number Billing Number  R PCT 2006-538135 4777898 Granted 22-Oct-2004 04616-2930				AMM					Ow
Sub Case Application No.  Sub Type Filling Date Publication Date Publication Date Fatent Date Exp Date Old Case Number Elling Number Af777898 Granted Granted O4616-2930				22-Oct-2024	08-Jul-2011		22-Oct-2004		Japan
Sub Case Application No. Publication No. Patent List (by Case Number)  Case Type Filing Date Publication Date Patent Date Exp Date Old Case Number Billing Number		04616-2930		Granted	4777898		2006-538135		IMA-02930
Patent List (by Case Number)  Sub Case Application No. Publication No. Patent No. Status		Billing Number	Old Case Number	Exp Date	Patent Date	Publication Date	Filing Date		Country
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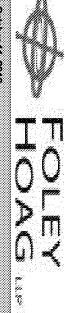
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		EP-K/NJL/SMG	P40843			Agent Name: Kilburn and Strode	
			Client Reference:		Inc.	Client Name: 04616 Immunetics, Inc.	
		AMM	Attorneys: HPR TKD			Owner Name: Immunetics, Inc.	
		22-Oct-2024	29-Jul-2009	23-Aug-2006	22-Oct-2004		Italy
04616-2987		Granted	1692299	1692299	04796195.8	EPP	IMA-02987
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			Agent Reference: N40843DE			Agent Name: Kilburn and Strode	
			Client Reference:		Inc.	Client Name: 04616 Immunetics, Inc.	
		AMM	Attorneys: HPR TKD			Owner Name: Immunetics, Inc.	
		22-Oct-2024	29-Jul-2009	23-Aug-2006	22-Oct-2004		Germany
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		EP-K/NJL/SMG	Agent Reference: P40843EP-K/N			Agent Name: Kilburn and Strode	
			Client Reference:		Inc.	Client Name: 04616 Immunetics, Inc.	
		AMM	Attorneys: HPR TKD			Owner Name: Immunetics, Inc.	
		22-Oct-2024	29-Jul-2009	23-Aug-2006	22-Oct-2004		France
04616-2984		Granted	1692299	1692299	04796195.8	EPP	MA-02984
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		EP-K/NJL/SMG	Agent Reference: P40843EP-K/N			Agent Name: Kilburn and Strode	
			Client Reference:		Inc.	Client Name: 04616 Immunetics, Inc.	
		AMM	Attorneys: HPR TKD			Owner Name: Immunetics, Inc.	
		22-Oct-2024	29-Jul-2009	23-Aug-2006	22-Oct-2004		Belglum
04616-2982		Abandoned	1692299	1692299	04796195.8	EPP	IMA-02982
		ETS	Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS	ETECTION OF BACTERI	AN-BASED ASSAY FOR DE	Title:RAPID PEPTIDOGLYC	
		EP-K/NJL/SMG	Agent Reference: P40843EP-K/N			Agent Name: Kilburn and Strode	
			Client Reference:		Inc.	Client Name: 04616 Immunetics, Inc.	
		AMM	Attorneys: HPR TKD			Owner Name: Immunetics, Inc.	
		22-Oct-2024	29-Jul-2009	23-Aug-2006	22-Oct-2004	onvention	European Patent Convention
04616-2980		Granted	1692299	1692299	04796195.8	R PCT	IMA-02980
Billing Number	Old Case Number	Exp Date	Patent Date	Publication Date	Filing Date	Case Type	Country
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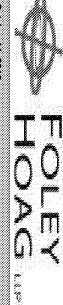
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Ireland		22-Oct-2004	23-Aug-2006	29-Jul-2009	22-Oct-2024		
	Owner Name: Immunetics, Inc.			Attorneys: HPR TKD	AMM		
	Client Name: 04616 Immunetics, Inc.	Inc.		Client Reference:			
				Agent Reference: P40843EP-K/NJL/SMG	L/SMG		
	Title:RAPID PEPTIDOGLYCA	N-BASED ASSAY FOR DE	TECTION OF BACTERIA	Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS	<i>S</i> i		
IMA-02991	EPP	04796195.8	1692299	1692299	Granted		04616-2991
Netherlands		22-Oct-2004	23-Aug-2006	29-Jul-2009	22-Oct-2024		
	Owner Name: Immunetics, Inc.			Attorneys: HPR TKD	AMM		
	Client Name: 04616 Immunetics, Inc.	Inc.		Client Reference:			
	Agent Name: Kilburn and Strode			Agent Reference: P40843EP-K/NJL/SMG	L/SMG		
	Title:RAPID PEPTIDOGLYCA	N-BASED ASSAY FOR DE	TECTION OF BACTERIA	Title: RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS	<b>G</b>		
IMA-02993	EPP	04796195.8	1692299	1692299	Abandoned		04616-2993
Spain		22-Oct-2004	23-Aug-2006	29-Jul-2009	22-Oct-2024		
	Owner Name: Immunetics, Inc.			Attorneys: HPR TKD	AMM		
	Client Name: 04616 Immunetics, Inc.	Inc.		Client Reference:			
	Agent Name: Kilburn and Strode			Agent Reference: P40843EP-K/NJL/SMG	L/SMG		
	Title:RAPID PEPTIDOGLYCA	N-BASED ASSAY FOR DE	TECTION OF BACTERIA	Title:RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION OF PLATELETS	G		
IMA-02995	EPP	04796195.8	1692299	1692299	Abandoned		04616-2995
Switzerland		22-Oct-2004	23-Aug-2006	29-Jul-2009	22-Oct-2024		
	Owner Name: Immunetics, Inc.			Attorneys: HPR TKD	AMM		
	Client Name: 04616 Immunetics, Inc.	Inc.		Client Reference:			
	Agent Name: Kilburn and Strode			It.Name: Kilburn and Strode  Agent Reference: P40843EP-K/NJI/SMG	'SMG		
IMA-02996	땅	04796195.8	1692299	1692299	Granted		04616-2996
United Kingdom		22-Oct-2004	23-Aug-2006	29-Jul-2009	22-Oct-2024		
	Owner Name: Immunetics, Inc.			Attorneys: HPR TKD	AMM		
	Client Name: 04616 Immunetics, Inc.	Inc.					
	Agent Name: Kilburn and Strode			Agent Reference: P40843EP-K/NJL/SMG	L/SMG		



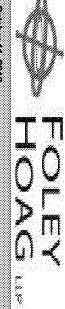
Filing Date  Publication Date  Publication Date  11/130651  17-May-2005  15-Dec-2005  £  C.  Client R  Agent R  EVICE WITH RESERVOIR  US05/017240  Agent R  EVICE WITH RESERVOIR  O9/914176  01-Mar-2000  £  Client R  Agent R  O9/914176  O1-Mar-2000
Filing Date Publication Date Patent Date  11/130651 0277185-A1  117-May-2005 15-Dec-2005  Attorneys: HPR Cs, Inc.  US05/017240 WO05/116185  17-May-2005 08-Dec-2005  Attorneys: HPR Cs, Inc.  Client Reference: Agent Reference:
Filing Date  Publication Date  Publication Date  Patent Date  Attorneys: HPR  Client Reference: Agent Reference:
Filing Date Publication Date Patent Date  Filing Date Publication Date Patent Date  11/130651 0277185-A1 17-May-2005 15-Dec-2005  Attorneys: HPR Cs, Inc. Client Reference: 2005 Attorneys: HPR Cs, Inc. Client Reference: 3005/116185 17-May-2005 08-Dec-2005  Attorneys: HPR Client Reference: 4005/1956 18-May-2004  Attorneys: HPR Client Reference: 4005/1956 18-May-2004  Attorneys: HPR Client Reference: Agent Reference:
Filing Date Publication Date Patent Date  Filing Date Publication Date Patent Date  11/130651 0277185-A1 17-May-2005 15-Dec-2005  Attorneys: HPR Cs, Inc. Client Reference:  VICE WITH RESERVOIR  US05/017240 W005/116185 17-May-2005 08-Dec-2005  Attorneys: HPR Cs, Inc. Client Reference:  Agent Reference:  Client Reference:  Acttorneys: HPR Client Reference:
Filing Date Publication Date Patent Date  11/130651 0277185-A1 17-May-2005 15-Dec-2005  Attorneys: HPR Cs, Inc.  US05/017240 WO05/116185 17-May-2005 08-Dec-2005 Attorneys: HPR Cs, Inc.  Attorneys: HPR CS, Inc.  CS, Inc.  Attorneys: HPR CS, Inc.  CS, Inc.  Attorneys: HPR CS, Inc.  CS, Inc.  Agent Reference:
Filing Date Publication Date Patent Date  11/130651 0277185-A1  17-May-2005 15-Dec-2005 Attorneys: HPR  Cs, Inc. Client Reference:  VICE WITH RESERVOIR  US05/017240 W005/116185  17-May-2005 08-Dec-2005  Attorneys: HPR  Cs, Inc. Client Reference:  Agent Reference:
Filing Date Publication Date Patent Date  Filing Date Publication Date Patent Date  11/130651 0277185-A1 17-May-2005 15-Dec-2005  Attorneys: HPR Cs, Inc. Client Reference: Agent Reference: VICE WITH RESERVOIR  US05/017240 WO05/116185 17-May-2005 08-Dec-2005 Attorneys: HPR Cs, Inc. Client Reference: Agent Reference: Agent Reference: Agent Reference: Agent Reference: Agent Reference:
Filing Date Publication Date Patent Date  11/130651 0277185-A1  17-May-2005 15-Dec-2005  Attorneys: HPR Cs, Inc. Client Reference:  VICE WITH RESERVOIR  US05/017240 WO05/116185  17-May-2005 08-Dec-2005
Filing Date Publication Date Patent Date  11/130651 0277185-A1  17-May-2005 15-Dec-2005  Attorneys: HPR Client Reference: Agent Reference: Agent Reference:
### Publication Date Publication Date Patent Date  11/130651 0277185-A1  17-May-2005 15-Dec-2005  Attorneys: HPR cs. Inc. Client Reference:
Filing Date Publication Date  11/130651 0277185-A1  17-May-2005 15-Dec-2005
Filing Date Publication Date  11/130651 0277185-A1
Filing Date Publication Date
Case Application No. Publication No. Patent No.



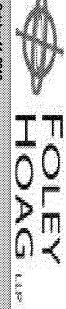
Tuesday October 11 2016	20 20 21	(	7 V. B. S. S.	244	A COA Bay Page Niverbook			
(upplie), Control (1), 2010				Pater	Parent List (by Case Number)			
Case Number	Sub Case	ISO	Application No.	Publication No.	Patent No.	Status		
Country	Φ	Туре	Filing Date	Publication Date	Patent Date	Exp Date	Old Case Number	Billing Number
IMA-03201	ORD	ଟ	13/657394	0244258-A1		Published		04616.03201
United States of America			22-Oct-2012	19-Sep-2013			Action Due	Due Date
Owner Nar	Owner Name: Immunetics, Inc.	Inc.			Attorneys: HPR TKD	AMM	Res/Notice of Appeal	28-Oct-2016
Client Name:	me: 04616 Immunetics, Inc.	ınetics, İn	Ġ.		Client Reference:		Res/Notice of	28-Nov-2016
Agent Name:	me:				Agent Reference:		Appeal-1st Ext	
							Res/Notice of	28-Dec-2016
							Appeal-2nd Ext	1 1 1 1 1 1
							2 Wk Notice of	14-Jan-2017
							Appeal/CON	1
							1 Wk Notice of	21-Jan-2017
							Appeal/CON	
							Response/Appeal/CON	28-Jan-2017
							Deadline	
Title:	SENSITIVE AND	SPECIFI	Title: SENSITIVE AND SPECIFIC ASSAY FOR BABESIA SPP	SPP.				
IMA-03225	ORD	G	US12/061333	WO13/059795		Completed		04616.03225
Patent Cooperation Treaty			22-Oct-2012	25-Apr-2013				
Owner Nar	Owner Name: Immunetics, Inc.	Inc.			Attorneys: HPR TKD	AMM		
Client Name:	me: 04616 Immunetics, Inc.	ınetics, In	Ġ.		Client Reference:			
Agent Name:	me:				Agent Reference:			
<u>lille:</u>	SENSITIVE AND	SPECIFI	Intersensitive and specific assay for Babesia Spe	SP.				
IMA-03260	PRO	õ	61/549612			Expired		04616-3260
United States of America			20-Oct-2011			20-Oct-2012		
Owner Nar	Owner Name: Immunetics, Inc.	Inc.			Attorneys: HPR TKD	AMM		
Client Nar	Client Name: 04616 Immunetics, Inc.	ınetics, İn	ò		Client Reference:			
Agent Name:	me:				Agent Reference:			
<u>Title:</u>	SENSITIVE AND	SPECIFI	Title:SENSITIVE AND SPECIFIC ASSAY FOR BABESIA SPP	SPP.				



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Case Number	Sub	Case	Application No.	Publication No.	Patent No.	Status		•	
Country	Case	Туре	Filing Date	Publication Date	Patent Date	Exp Date	Old Case Number	billing Number	RI
IMA-03301		ORD	14/513991	0185208-A1		Published		04616.03301	
United States of America			14-Oct-2014	02-Jul-2015			Action Due		Indicator
Owner	Owner Name: IMMUNETICS INC	NETICS INC			Attorneys: HPR TKD	AMM	Obtain & File	6	Due Date
Client	Client Name: 04616	04616 Immunetics, Inc.	Inc.		Client Reference:		Oath/POA-9-16-12		
Agent	Agent Name:				Agent Reference:		Req Corr OFR/ADS	23-Oct-2016	Due Date
							w/invent addr		
							Req Corrected OFR/File	27-Oct-2016	Due Date
							ADS		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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IMA-03302			14/6655/4	0054307-A1		Published		04616.03302	
United States of America			23-Mar-2015	25-Feb-2016					
Owner	Owner Name: IMMUNETICS INC	VETICS INC			Attorneys: HPR TKD	AMM			
Client	Client Name: 04616	04616 Immunetics, Inc.	Inc.		Client Reference:				
<u>Agent</u>	Agent Name:				Agent Reference:				
Ħ	itle:LED ASSA	Y READER W	/ITH TOUCHSCREEN CO	Title: LED ASSAY READER WITH TOUCHSCREEN CONTROL AND BARCODE SAMPLE ID	SAMPLE ID				
IMA-03325		ORD	US14/060462	WO15/054695		Completed		04616.03325	
Patent Cooperation Treaty	~		14-Oct-2014	16-Apr-2015					
Owner	Owner Name: IMMUNETICS INC	NETICS INC			Attorneys: HPR TKD	AMM			
Client	Client Name: 04616	04616 Immunetics, Inc.	Inc.		Client Reference:				
<u>Agent</u>	Agent Name:				Agent Reference:				
<b>!</b>	itle:LED ASSA	Y READER W	/ITH TOUCHSCREEN CO	Title:LED ASSAY READER WITH TOUCHSCREEN CONTROL AND BARCODE SAMPLE ID	SAMPLE ID				
IMA-03360		PRO	61/889874			Expired		04616.03360	
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Owner	Owner Name: Immunetics, Inc.	etics, Inc.			Attorneys: HPR TKD	AMM			
Client	Client Name: 04616	04616 Immunetics, Inc.	Inc.		Client Reference:				
<u>Agent</u>	Agent Name:				Agent Reference:				
<u>.</u>					) ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;				



	,		Australia	IMA-12941				10	Australia	IMA-12940				5	South Africa	IMA-12933											_	United States of America	IMA-03401	Country	Case Number	insensy, volume i i , 2019
Agent Name: Shelston IP Title:RAPID PEPTIDO	Client Name: 04616 Immunetics, Inc	Owner Name: Immunetics, Inc.			Title:RAPID PE	Agent Name: Shelston IP	Client Name: 04616 Immunetics, Inc.	Owner Name: Immunetics, Inc.		ZJ	Title:RAPID PE	Agent Name: Spoor	Client Name: 04616	Owner Name: Immunetics, Inc.		ZJ	Title:LED ASSAY READER								Agent Name:	Client Name: 04616 Immunetics, Inc.	Owner Name: Immu	nerica		Case	Sub	1, 2010
ton IP PTIDOGLYCA	Immunetics, I	netics, Inc.		DIV	PTIDOGLYCA	ton IP	Immunetics, I	netics, Inc.		PCT	PTIDOGLYCA	Spoor & Fisher	04616 Immunetics, Inc.	netics, Inc.		PCT	Y READER									immunetics, I	Immunetics, Inc.		DES	Туре	Case	
N-BASED ASSAY FOR DE	nc.		06-Oct-2010	2016201275	N-BASED ASSAY FOR DE		nc.		06-Oct-2010	2010303550	N-BASED ASSAY FOR DE		nc.		06-Oct-2010	2012/03203										nc.		11-Oct-2013	29/469583	Filing Date	Application No.	
Agent Reference: 7. <u>Title:</u> RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION					Title:RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION						Title:RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION																			Publication Date	Publication No.	Patent
Agent Reference: 74819AUP01 GIS/MDC/t CONTAMINATION		Attorneys: HPR TKD			_ CONTAMINATION	Agent Reference: 74819AUP00	Client Reference:	Attorneys: HPR TKD			_ CONTAMINATION	Agent Reference: PA155599/ZA	Client Reference:	Attorneys: HPR TKD	30-Oct-2013	2012/03203									Agent Reference:	Client Reference:	Attorneys: HPR TKD			Patent Date	Patent No.	Patent List (by Case Number)
GIS/MDC/t		AMM		Abandoned				АММ		Abandoned				AMM	06-Oct-2030	Abandoned											AMM		Pending	Exp Date	Status	
																		w/DRWGS Final	2 Mo OA-Reply	w/DRWGS 3mo Ext	2 Mo OA-Reply	w/DRWGS 2mo Ext	2 Mo OA-Reply	w/DRWGS 1mo Ext	2 Mo OA-Reply	w/DRWGS Due	2 Mo OA-Reply	Action Due		Old Case Number		
				04616.12941						04616.12940						04616.12933			25-Feb-2017		25-Jan-2017		25-Dec-2016		25-Nov-2016		25-Oct-2016	Due Date	04616.03401	Billing Number		
											1								Final		Due Date		Due Date		Due Date	R	Due Date AC	Indicator E	MΑ		<b>‹</b>	rege i r on ia



Tuesday, October 11, 2016	er 11, 2016			Pate	Patent List (by Case Number)				Page 18 9 18 9 18 9 18 9 18 9 18 9 18 9 18
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	DIZ
IMA-12950 Canada	ZJ	PCT	2776381 06-Oct-2010	2776381 14-Apr-2011		Published	Action Due	04616.12950 <b>Due Date</b>	Indicator
	Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc.	unetics, Inc.	s, Inc.		Attorneys: HPR TKD Client Reference:	AMM	CA Response Due in 2wks	20-Jan-2017	Due Date
	Agent Name: Riches, McKenzie & Herbert	es, McKenzie	& Herbert		Agent Reference: P17212		CA Response Due in 1wk	27-Jan-2017	Due Date
							CA Response due to CPO	03-Feb-2017	Final
	Title:RAPID PI	EPTIDOGLYC	<u>Title:</u> RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION	DETECTION OF BACTER	NAL CONTAMINATION		Awaiting 1st CA OA	06-Oct-2018	Due Date
IMA-12980 European Patent Convention	R nt Convention	PCT	10822602.8 06-Oct-2010	2486142 15-Aug-2012		Published	Action Due	04616.12980 <b>Due Date</b>	Indicator
	Owner Name: Immunetics, Inc. Client Name: 04616 Immunetics, Inc. Agent Name: Kilburn and Strode Title:RAPID PEPTIDOGLYCAN-F	unetics, Inc. 6 Immunetics rn and Strode	Attorneys: H <u>it Name:</u> 04616 Immunetics, Inc. <u>Client Reference:</u> <u>it Name:</u> 04616 Immunetics, Inc. <u>It Name:</u> Kilburn and Strode <u>Agent Reference:</u> P <u>Ittle:</u> RAPID PEPTIDOGLYCAN-BASED ASSAY FOR DETECTION OF BACTERIAL CONTAMINATION	DETECTION OF BACTER	Attorneys: HPR TKD Client Reference: Agent Reference: P54965EP-K RIAL CONTAMINATION	АММ	Status Inq- Awaiting next OA	20-Apr-2017	Due Date

### **EXHIBIT C**

Trademarks

See attached.

### **Immunetics Registered U.S. Trademarks**

### **Typed Drawing**

aaaaa

Word Mark IMMUNETICS

Goods and IC 009. US 026. G & S: ANTIBODY SCREENING TEMPLATES. FIRST

Services 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

1**A** 

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 I 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
Original Filing

Basis

1**A** 

1**A** 

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 IC 009. US 026. G & S: LABORATORY EQUIPMENT, NAMELY
Services 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** 

1**A** 

**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 PRINCIPAL

Affidavit Text

SECT 15. SECT 8 (6-YR). SECTION 8(10-YR) 20100119.

Renewal

Register

2ND RENEWAL 20100119

Live/Dead

Indicator

**LIVE** 

**BACTX** 

Word Mark

**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.

LETTER-3-OR-MORE BACTX Combination of three or more letters

FIRST USE IN COMMERCE: 20100322

**Standard Characters** 

Claimed

Code

Mark Drawing Code (4) STANDARD CHARACTER MARK

Trademark Search

**Facility Classification** 

as part of the mark

Serial Number 78804375

**Filing Date** February 1, 2006

**Current Basis** 1**A Original Filing Basis** 1B

Published for

January 22, 2008 **Opposition** 

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 TRADEMARK Type of Mark Register **PRINCIPAL** 

Live/Dead Indicator LIVE

## FOLEY HOAG LLP REPORT

# **Immunetics Trademarks**

	-					layed.	4 results displayed
REE	OUb-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.	Registered	4/11618	86354839	immunetics, inc.	Васіх	United States of America
L: (	005-Test kits comprising diagnostic reagents for clinical or medical laboratory use * 009-Test kits primarily comprising photometers, pipettes and tubes.	Registered	3786262	78804375	Immunetics, Inc.	BACTX	United States of America
059	005-Medical buffers, reagents and assays for testing pharmaceutical materials for microorganisms; medical buffers, reagents and assays for testing clinical samples for bacterial contamination.	Registered	1226983		Immunetics, Inc.	BacTx	International Bureau (WIPO)
15 FF	005-Medical buffer solutions, reagants and assays for testing pharmaceutical materials for microorganisms in biological laboratories; medical buffer solutions, reagents and assays for testing clinical samples for bacterial contamination.	Registered	1226983		Immunetics, Inc.	BacTx	European Union
RAI	CLASS/GOODS/SERVICES R	STATUS	REG. NO.	APPL NO.	OWNER	MARK	COUNTRY
ME:	Oct 11, 2016 12:14:34 PMK						
0685							
5				=			

Copyright © 2002-2016 FoundationIP LLC., "All Rights Reserved."

EXHIBIT D
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Mask Works

None.

 $\label{linear_model} \begin{tabular}{ll} MidCap / Oxford / IP Security Agreement (Revolving) \\ \begin{tabular}{ll} \begin{ta$ 

**RECORDED: 11/04/2016**