PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5120830

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT T. PETERS	11/19/2004
ADAM R. MEZO	11/23/2004
DANIEL S. RIVERA	08/30/2004
ALAN J. BITONTI	11/23/2004
SUSAN C. LOW	11/23/2004

RECEIVING PARTY DATA

Name:	SYNTONIX PHARMACEUTICALS, INC.
Street Address:	9 FOURTH AVENUE
City:	WALTHAM
State/Country:	MASSACHUSETTS
Postal Code:	02451

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15465319

CORRESPONDENCE DATA

(202)371-2540 Fax Number:

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Phone: 202-371-2600

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shylton@sternekessler.com, ttopssecretary2@sternekessler.com

Correspondent Name: STERNE, KESSLER, GOLDSTEIN & FOX PLLC

Address Line 1: 1100 NEW YORK AVENUE, NW

Address Line 4: WASHINGTON, D.C. 20005 ATTORNEY DOCKET NUMBER: 4159.240000D

NAME OF SUBMITTER: DAVID HOLMAN SIGNATURE: /David H. Holman, Reg. # 61,205/ **DATE SIGNED:** 08/31/2018

Total Attachments: 4

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PATENT REEL: 046767 FRAME: 0154 source=4159240000D-Inventors-Syntonix-Assignment#page2.tif source=4159240000D-Inventors-Syntonix-Assignment#page3.tif source=4159240000D-Inventors-Syntonix-Assignment#page4.tif

> PATENT REEL: 046767 FRAME: 0155

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

IMMUNOGLOBULIN CHIMERIC MONOMER-DIMER HYBRIDS

for which We filed an application for United States Letters Patent on May 6, 2004 (Application No. 10/841,250); and

WHEREAS, Syntonix Pharmaceuticals, Inc., a corporation of the state of Delaware whose post office address is 9 Fourth Avenue, Waltham, MA 02451 (hereinafter referred to as Assignee), is desirous of securing the entire right, little, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional Application No. 60/469,600, filed May 6, 2003, provisional Application No. 60/487,964, filed July 17, 2003, provisional Application No. 60/539,207, filed January 26, 2004, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

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County of Nidlesek	SS.	Name: Address:	Robert T. Peters 51 Newfield Street
State of MA		By: Date:	West, Roxbury, MA 02132
Subscribed and sworn to before me this, Notary Pub	<u>n^{††}~</u> di llic	ay of <u>North</u>	<u>s, 20 <u>o d</u></u>
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Keri R. Compbell

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Commonwealth of Massachusetts

Hy Commission Expires June 16,2011

Page 1 of 2

PATENT

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County of Myddlis	<i>₹</i> ¥).	Name:	Adam R. Mezo
•) ss.	Address:	15 Montclair Avenue Walssam, MA 02451
State of)	By: Date:	// / / / / / / / / / / / / / / / / / /
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Subscribed and sworn to b	efore me this, Notary Public	day of Nerthul	2, 20 <u>14</u>
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County of) ss.	Name:	Daniel S. Rivera 31 Barque Hill Drive
	}	Andi voo.	Norwell, MA 02061
State of	Ś	Ву:	
		Date:	
Subscribed and sworn to b	efore me this	day of	
	, Notary Public		
M. H. M.	e	Name:	Alan J. Bitonti
County of Middles LX	ss.	Address:	***************************************
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State of)	By:	
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Subscribed and sworn to be	efore me this 23 1/4	day of Novemb	<u>u, 20 e4</u>
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County of Middlese	* ∕ \	Name:	James Stattel
County of Middlese	ss.		20 Sargent Avenue
)		Leominster, MA 01453
State ofMA)	By: ≪ Date:	= 11/236 7
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Jeux Campbell	, Notary Public		
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County of Middle Sex)	Name: Address:	Susan C. Low 86 Brookline Street
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State of MA	<u> </u>	Ву:	Sanaga CLAV
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Page 2 of 2	Yeri & Compbell Comf	nonwealth of Massachu mission Expires June 10	SETIS:

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WHEREAS, Syntonix Pharmaceuticals, Inc., a corporation of the state of Delaware whose post office address is 9 Fourth Avenue, Waltham, MA 02451 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional Application No. 60/469,600, filed May 6, 2003, provisional Application No. 60/487,964, filed July 17, 2003, provisional Application No. 60/539,207, filed January 26, 2004, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

County of)	ss.	Name: Address:	Robert T. Peters 51 Newfield Street West Roxbury, MA 02132	
State of)		By: Date:	West RoxDury, MA U2102	
Subscribed and sworn to before me this, Notary Public	day	of	, 20	.d .decir

County of · _ * *)		Name:	Adam R. Mezo	
) ss	3.	Address:	15 Montclair Avenue Waltham, MA 02451	ŧ -
State of)		By: Date:		
Subscribed and sworn to before me this, Notary Public	day	of	_, 20	1e
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County of) ss		Name: Address:	Daniel S. Rivera	#45
State of)		By: Date:	Normall Mallelles Providence & organi 3/30/04	
Subscribed and sworn to before me this, Notary Public	_ day	or Aug		
County of) ss		Name: Address:	Alan J. Bitonti 32 Carlton Drive	
State of)		By: Date:	Acton, MA 01720	
Subscribed and swom to before me this, Notary Public	day	of	_, 20	
County of) ss		Name: Address:	James Stattel 20 Sargent Avenue	
State of)		By: Date:	Leominster, MA 01453	
Subscribed and sworn to before me this, Notary Public	day	of	_, 20	
County of)				
) ss	i.	Address:	Susan C. Low 86 Brookline Street Pepperell, MA 01463	
State of)		By: Date:	resseren, min o 1900	
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REPORTE A. BRUMI, Notary Public Suits at Rhists lateral and Broyldesco-Flantations			.	

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