

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5578345

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YAN CHEN	09/07/2017
STEVEN M. SHAMAH	09/01/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	X-BODY, INC.
<b>Street Address:</b>	100 BEAVER STREET
<b>Internal Address:</b>	SUITE 101
<b>City:</b>	WALTHAM
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02453
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14897892
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(857)300-4001
<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>	
<b>Phone:</b>	(857) 300-4000
<b>Email:</b>	lroberts@lathropgage.com, internalip@lathropgage.com
<b>Correspondent Name:</b>	LATHROP GAGE LLP
<b>Address Line 1:</b>	28 STATE STREET
<b>Address Line 2:</b>	7TH FLOOR
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02109
<b>ATTORNEY DOCKET NUMBER:</b>	576943: XBI-010US
<b>NAME OF SUBMITTER:</b>	JAMES H. VELEMA
<b>SIGNATURE:</b>	/James H. Velema/
<b>DATE SIGNED:</b>	06/18/2019
<b>Total Attachments: 5</b>	
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**ASSIGNMENT**

WHEREAS, We, **Yan Chen** of Lexington, Massachusetts, a citizen of the United States of America and **Steven M. Shamah** of Waltham, Massachusetts, a citizen of the United States of America have invented certain new and useful invention(s), described in the following patent application:

**TARGET ANTIGEN DISCOVERY, PHENOTYPIC SCREENS AND USE THEREOF FOR IDENTIFICATION OF TARGET CELL SPECIFIC TARGET EPITOPES**

**U.S. Serial No.: 14/897,892, filed December 11, 2015 based on International Application No. PCT/US2014/043454, filed June 20, 2014**

for which we are about to make or have made application for Patent of the United States; and

WHEREAS, **X-BODY, INC.**, at its principal place of business at 100 Beaver Street, Suite 101, Waltham, MA 02453, is desirous of acquiring all rights, title and interests in and to said invention, said applications, and in and to any and all patents which may be granted for or upon said invention and applications in the United States of America and anywhere in the world.

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, and this patent application, and all divisions, and continuations thereof, and all Patents of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of the above patent application (if any), as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for patent which may hereafter be filed for this invention in any foreign country and all patents which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and we hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents

on applications as described above, to issue all patents 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;

AND, WE HEREBY authorize and request, if necessary, that the attorneys having Power of Attorney in this application, insert above the filing date and application number of said application when known.

ALL of the above shall be held and enjoyed by said **X-BODY, INC.**, for its own use and benefit, and for its successors, legal representatives and assigns, to the full end of the term for which said patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue the patent in accordance with this Assignment.

This assignment to have effect as of the filing date of June 20, 2014.

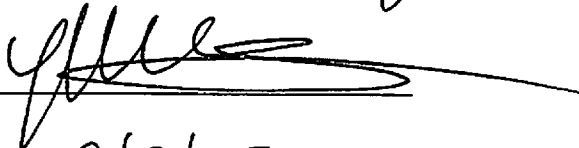
9/7/2017  
Date:

  
Yan Chen

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS

Richard Zhang  
Name

  
Signature

9/7/17  
Date

\_\_\_\_\_  
Date:

\_\_\_\_\_  
Steven M. Shamah

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS

\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

This assignment to have effect as of the filing date of June 20, 2014.

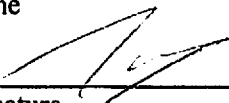
Date: \_\_\_\_\_

\_\_\_\_\_  
Yan Chen

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

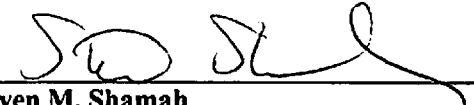
WITNESS

TARIG KASSUM  
\_\_\_\_\_  
Name

  
\_\_\_\_\_  
Signature

9/1/17  
\_\_\_\_\_  
Date

9/1/17  
\_\_\_\_\_  
Date:

  
\_\_\_\_\_  
Steven M. Shamah

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS


\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Assignee:

X-BODY, INC.

  
Signature

June 17, 2019

Date:

Peter Cicala  
Corporate Vice President  
Intellectual Property

Name and Title

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS

Summit, NJ

Signed At (City/State)

Dawn Gray

Name



Signature

June 17, 2019

Date