

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Anatoly A. Mazurov	02/22/2010
Lan Miao	02/18/2010
<b>RECEIVING PARTY DATA</b>	
Name:	Targacept, Inc.
Street Address:	200 East First Street
Internal Address:	Suite 300
City:	Winston-Salem
State/Country:	NORTH CAROLINA
Postal Code:	27101
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12684358
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(919)484-2340
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	919-484-2314
Email:	sstufano@wcsr.com
Correspondent Name:	Amy H. Fix
Address Line 1:	Womble Carlyle Sandridge & Rice PLLC
Address Line 2:	2530 Meridian Parkway, Suite 400
Address Line 4:	Durham, NORTH CAROLINA 27713
ATTORNEY DOCKET NUMBER:	T103 1341.6
NAME OF SUBMITTER:	Amy H. Fix

Total Attachments: 5  
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**PATENT**  
**REEL: 024030 FRAME: 0705**

**CH \$40.00 12684358**

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### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

#### 1. Name of conveying party(ies)

Anatoly A. Mazurov - US Citizen  
Lan Miao - US Citizen

Additional name(s) of conveying party(ies) attached?  Yes  No

#### 2. Name and address of receiving party(ies)

Name: Targacept, Inc.

Internal Address: \_\_\_\_\_

Street Address: 200 East First Street

Suite 300

City: Winston-Salem

State: North Carolina

Country: US Zip: 27713

Additional name(s) & address(es) attached?  Yes  No

#### 3. Nature of conveyance/Execution Date(s):

Execution Date(s) 2/22/10 and 2/18/10

- Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

#### 4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

12/684,358

Additional numbers attached?  Yes  No

#### 5. Name and address to whom correspondence concerning document should be mailed:

Name: Amy H. Fix

Internal Address: Womble Carlyle

Street Address: 2530 Meridian Parkway, Suite 400

City: Durham

State: North Carolina Zip: 27713

Phone Number: (919) 484-2314

Fax Number: (919) 484-2340

Email Address: sstufano@wcsr.com

#### 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

#### 8. Payment Information

Deposit Account Number 090528

Authorized User Name Amy H. Fix

#### 9. Signature:

Amy H. Fix

Signature

March 4, 2010

Date

Amy H. Fix

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

## PATENT AND INVENTION ASSIGNMENT

WHEREAS, the undersigned:

Anatoly A. Mazurov, a citizen of the United States of America, residing at 3704 Timberoak Drive, Greensboro, NC 27410, and

Lan Miao, a citizen of the United States of America, residing at 226 March Ferry Road, Advance, NC 27006,

(hereinafter collectively referred to as "**Assignors**") have invented certain inventions and improvements disclosed in a non-provisional application for Letters Patent entitled "3-Substituted-2(arylalkyl)-1-azabicycloalkanes and methods of use thereof", which application was filed in the United States Patent and Trademark Office on January 8, 2010, under application Serial No. 12/684,358.

WHEREAS, it is agreed that Targacept, Inc., a Corporation of the State of Delaware, having its principal place of business at 200 East First Street, Suite 300, Winston-Salem, NC 27101-4165, is entitled to or is desirous of acquiring all right, title and interest related to the same;

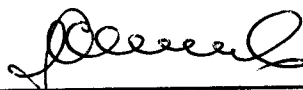
NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **Assignors**, by these presents, do sell, assign and transfer unto Targacept, Inc., the full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to all divisional, continuation, and continuation-in-part applications describing in whole or in part the said inventions and improvements, preparatory to obtaining Patents of the United States therefor, (iv) in and to all patents of the United States which may be granted on the foregoing and all reissues and extensions thereof, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority has been or may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from any of the afore-mentioned patent applications; and Assignors do hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a division, continuation, continuation-in-part, or reissue thereof, to Targacept, Inc. as Assignee, for its interest and for the sole use and behoof of Targacept, Inc. and its assigns and legal representatives;

For the same consideration, Assignors, by these presents do sell, assign and transfer to Targacept, Inc., the full, exclusive and entire right, title and interest: in and to any and all applications for industrial property protection, including without limitation, all applications for

patents, utility models, inventors' certificates and designs, (the "Foreign Applications") filed or which are hereafter filed in countries foreign to the United States and describing in whole or in part the said inventions and improvements, in and to any Patents and similar protective rights granted on said Foreign Applications, and in and to the right to file such applications and the right to claim any applicable priority rights arising from or required for said Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations; said Foreign Applications to be filed and issued in the name of Targacept, Inc. or its respective designees, insofar as permitted by applicable law;

AND, for the same consideration, Assignors agree to communicate to the said Targacept, Inc., its successors, legal representatives and assigns, any facts known to Assignors respecting said invention, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid Targacept, Inc., its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world; and

Assignors covenant with Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned.



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Anatoly A. Mazurov



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Lan Miao

**ACCEPTED AND ACKNOWLEDGED  
BY ASSIGNEE:**

**Targacept, Inc.**

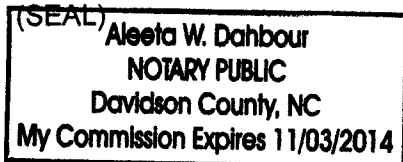
By: *William S. Caldwell*  
Name: William S. Caldwell  
Title: VP Drug Discovery; Development  
Date: 22 Feb. 2010

**Attestation for Anatoly A. Mazurov**

STATE OF N.C.  
COUNTY OF Forsyth

Before me, a Notary Public in and for the County and State aforesaid, on this 22nd day of February, 2010, personally appeared Anatoly A. Mazurov, known to me to be the same person whose name is subscribed to the foregoing Patent and Invention Assignment, who being duly sworn acknowledged that he signed, sealed and delivered the said Patent and Invention Assignment as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal.



*Aleeta W. Dahbour*  
NOTARY PUBLIC  
*Aleeta W. Dahbour*  
My Commission Expires: 11/03/2014

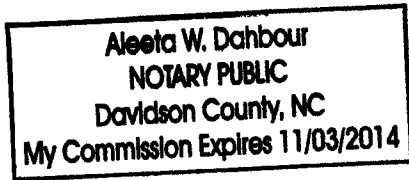
**Attestation for Lan Miao**

STATE OF N.C.  
COUNTY OF Forsyth

Before me, a Notary Public in and for the County and State aforesaid, on this 18<sup>th</sup> day of February, 2010, personally appeared Lan Miao, known to me to be the same person whose name is subscribed to the foregoing Patent and Invention Assignment, who being duly sworn acknowledged that he signed, sealed and delivered the said Patent and Invention Assignment as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal.

(SEAL)



Aleeta W. Dabour  
NOTARY PUBLIC  
Aleeta W. DABOUR  
My Commission Expires: 11/03/2014