

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Tawfik GHARBAOUI</td><td>02/23/2006</td></tr><tr><td>John R. FRITCH</td><td>02/23/2006</td></tr><tr><td>Ashwin M. KRISHNAN</td><td>02/22/2006</td></tr><tr><td>Beverly Wolgast THROOP</td><td>02/23/2006</td></tr><tr><td>Naomi S. KATO</td><td>02/23/2006</td></tr></tbody></table>	Name	Execution Date	Tawfik GHARBAOUI	02/23/2006	John R. FRITCH	02/23/2006	Ashwin M. KRISHNAN	02/22/2006	Beverly Wolgast THROOP	02/23/2006	Naomi S. KATO	02/23/2006	
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Naomi S. KATO	02/23/2006												
RECEIVING PARTY DATA													
Name:	Arena Pharmaceuticals, Inc.												
Street Address:	6166 Nancy Ridge Drive												
City:	San Diego												
State/Country:	CALIFORNIA												
Postal Code:	92121												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11327923</td></tr></tbody></table>	Property Type	Number	Application Number:	11327923									
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CORRESPONDENCE DATA													
Fax Number: (215)701-2100 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 215-665-2000													
Email: jjiulianti@cozen.com													
Correspondent Name: Cozen O'Connor													
Address Line 1: 1900 Market Street													
Address Line 4: Philadelphia, PENNSYLVANIA 19103													
ATTORNEY DOCKET NUMBER:	AREN95US2.REG												
NAME OF SUBMITTER:	Michael P. Straher												

CH \$40.00 11327923

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PATENT  
REEL: 017298 FRAME: 0633

**Total Attachments: 7**

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**PATENT**

**REEL: 017298 FRAME: 0634**

(Pending Application:  
Serial No. Known)ASSIGNMENT

WHEREAS, we Tawfik Gharbaoui, of Escondido, California, John R. Fritch of Ramona, California, Ashwin M. Krishnan of San Diego, California, Beverly Wolgast Throop of San Diego, California, and Naomi S. Kato of San Diego, California, hereinafter referred to as the assignors, are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Serial No. 11,327,923, filed January 9, 2006, entitled **Processes for Preparing Aromatic Ethers**; and

WHEREAS, **Arena Pharmaceuticals, Inc.**, hereinafter referred to as the assignee, of 6166 Nancy Ridge Drive, San Diego, California, 92121, a corporation of Delaware, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to


obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

23 - Feb - 2006  
Date

  
Tawfik Gharbaoui (L.S.)

STATE OF California :  
: ss.  
COUNTY OF San Diego :

On Feb. 23, 2006, before me, Lori A. Linderman, Notary Public  
personally appeared Tawfik Gharbaoui

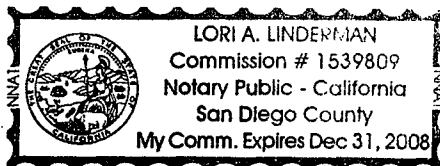
☒ personally known to me

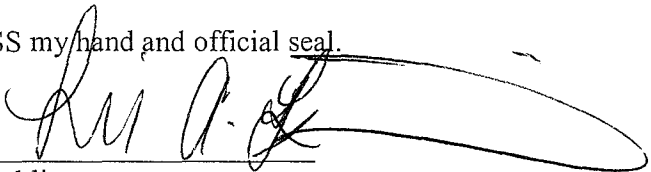
-OR-

☐ proved to me on the basis of satisfactory evidence

to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



  
Notary Public

DOCKET NO. AREN95.US2.REG

PATENT  
Joint Inventors

23-Feb-2006

Date

John R Fritch  
John R. Fritch

(L.S.)

STATE OF California :

: ss.

COUNTY OF San Diego :

On Feb-23, 2006, before me, Lori A. Linderman, Notary Public  
personally appeared John R. Fritch

☒ personally known to me

-OR-

☐ proved to me on the basis of satisfactory evidence

to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

Lori A. Linderman  
Notary Public

22 Feb 2006  
Date

Ashwin M. Krishnan (L.S.)  
Ashwin M. Krishnan

STATE OF California :  
COUNTY OF San Diego : ss.

On Feb 22, 2006, before me, Lori A. Linderman, Notary Public  
personally appeared Ashwin M. Krishnan

☒ personally known to me

-OR-

☐ proved to me on the basis of satisfactory evidence

to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

Lori A. Linderman  
Notary Public

DOCKET NO. AREN95.US2.REG

PATENT  
Joint Inventors

02/23/06  
Date

Beverly Wolgast Throop (L.S.)  
Beverly Wolgast Throop

STATE OF California :  
: ss.  
COUNTY OF San Diego :

On February 23, 2006, before me, Lori A. Linderman, Notary Public  
personally appeared Beverly Wolgast Throop

☒ personally known to me

-OR-

☐ proved to me on the basis of satisfactory evidence

to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Lori A. Linderman  
Notary Public



2/23/06  
Date

Naomi S. Kato (L.S.)

STATE OF California :  
COUNTY OF SAN DIEGO : ss.

On Feb. 23, 2006, before me, Lori A. Linderman, Notary Public  
personally appeared Naomi S. Kato

☒ personally known to me

-OR-

☐ proved to me on the basis of satisfactory evidence

to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Lori A. Linderman  
Notary Public

