

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3203918

|                              |                |
|------------------------------|----------------|
| <b>SUBMISSION TYPE:</b>      | NEW ASSIGNMENT |
| <b>NATURE OF CONVEYANCE:</b> | ASSIGNMENT     |

**CONVEYING PARTY DATA**

| Name                     | Execution Date |
|--------------------------|----------------|
| DONG ZOU                 | 04/11/2007     |
| WEI-SHENG HUANG          | 04/04/2007     |
| R. MATHEW THOMAS         | 04/04/2007     |
| JAN ANTOINETTE C. ROMERO | 04/04/2007     |
| JIWEI QI                 | 04/05/2007     |
| YIHAN WANG               | 04/04/2007     |
| XIAOTIAN ZHU             | 04/04/2007     |
| WILLIAM C. SHAKESPEARE   | 04/04/2007     |
| RAJESWARI SUNDARAMOORTHY | 01/09/2007     |
| DAVID C. DALGARNO        | 04/06/2007     |
| CHESTER A. METCALF III   | 01/29/2007     |
| TOMI K. SAWYER           | 01/26/2007     |

**RECEIVING PARTY DATA**

|                        |                             |
|------------------------|-----------------------------|
| <b>Name:</b>           | ARIAD PHARMACEUTICALS, INC. |
| <b>Street Address:</b> | 26 LANDSDOWNE ST.           |
| <b>City:</b>           | CAMBRIDGE                   |
| <b>State/Country:</b>  | MASSACHUSETTS               |
| <b>Postal Code:</b>    | 02139                       |

**PROPERTY NUMBERS Total: 1**

| Property Type  | Number  |
|----------------|---------|
| Patent Number: | 8778942 |

**CORRESPONDENCE DATA**

Fax Number:

*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.*

Email: sue.wilson@ariad.com  
 Correspondent Name: DAVID L. BERSTEIN  
 Address Line 1: 26 LANDSDOWNE ST.  
 Address Line 4: CAMBRIDGE, MASSACHUSETTS 02139

|                                |                     |
|--------------------------------|---------------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | 432B USD1 D2        |
| <b>NAME OF SUBMITTER:</b>      | DAVID L. BERSTEIN   |
| <b>SIGNATURE:</b>              | /David L. Berstein/ |
| <b>DATE SIGNED:</b>            | 01/29/2015          |

**Total Attachments: 14**

source=432B\_USD1\_D2\_Assignment#page1.tif  
source=432B\_USD1\_D2\_Assignment#page2.tif  
source=432B\_USD1\_D2\_Assignment#page3.tif  
source=432B\_USD1\_D2\_Assignment#page4.tif  
source=432B\_USD1\_D2\_Assignment#page5.tif  
source=432B\_USD1\_D2\_Assignment#page6.tif  
source=432B\_USD1\_D2\_Assignment#page7.tif  
source=432B\_USD1\_D2\_Assignment#page8.tif  
source=432B\_USD1\_D2\_Assignment#page9.tif  
source=432B\_USD1\_D2\_Assignment#page10.tif  
source=432B\_USD1\_D2\_Assignment#page11.tif  
source=432B\_USD1\_D2\_Assignment#page12.tif  
source=432B\_USD1\_D2\_Assignment#page13.tif  
source=432B\_USD1\_D2\_Assignment#page14.tif

Docket No.: 432B US  
Customer No.: 50067

I hereby certify that this paper is being deposited with the United States Postal Service "First Class Mail" on the date indicated below and is addressed to: Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450.

Date 4/13/07

Signed Sue Wilson

### ASSIGNMENT

We, Dong Zou of 26 Minuteman Drive, Concord, MA, 01742; Wei-Sheng Huang of 8 Mohegan Road, Acton, MA, 01720; R. Mathew Thomas of 33 Middlesex Circle, #04, Waltham, MA, 02452; Jan Antoinette C. Romero of 195 Green Street, #4, Cambridge, MA, 02139; Jiwei Qi of 429 Baker Street, West Roxbury, MA, 02132; Yihan Wang of 45 Madison Avenue, Newton, MA, 02460; Xiaotian Zhu of 137 Temple Street, Newton, MA, 02465; William C. Shakespeare of 2 Hubley Lane, Southborough, MA, 01772; Rajeswari Sundaramoorthi of 52/9 South Boag Road, #B1, Chennai, 600017, India; David C. Dalgarno of 50 Crowninshield Road, Brookline, MA, 02446; Chester A. Metcalf, III of 70 Blake Street, Needham, MA, 02492; and Tomi K. Sawyer of 8 Nathan Stone Road, Southborough, MA, 01772 in consideration of good and valuable consideration paid to us by ARIAD Pharmaceuticals, Inc., a corporation of the state of Delaware, having its principal place of business at 26 Landsdowne Street, Cambridge, MA 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

#### **ARIAD Pharmaceuticals, Inc.**

Its successors and assigns, the entire interest for the United States of America and all foreign countries, including rights of priority under the international convention for the protection of industrial property in a certain invention relating to

#### ***Bicyclic Heteroaryl Compounds***


Described in patent application serial no. **11/644,849** filed on **22 December 2006** in the United States Patent and Trademark Office, and in all letters patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or ~~in~~ part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns, but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of letters patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such letters patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

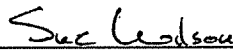
**PATENT**  
**REEL: 034844 FRAME: 0553**

USSN 11/644,849  
Assignment  
Page 2

Witness my hand this 11 day of April, 2007.

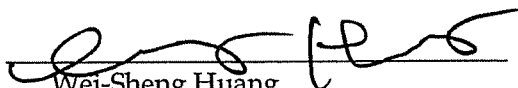
By:   
Dong Zou

The above named Dong Zou executed this document in my presence, this 11<sup>th</sup> day of April, 2007.


  
Witness signature

SUE WILSON  
Witness name (please print)

Witness my hand this 4<sup>th</sup> day of April, 2007.

By:   
Wei-Sheng Huang

The above named Wei-Sheng Huang executed this document in my presence, this 4<sup>th</sup> day of April, 2007.

  
Witness signature

SUE WILSON  
Witness name (please print)

USSN 11/644,849  
Assignment  
Page 3

Witness my hand this 4 day of APRIL, 2007.

By: R. Mathew Thomas  
R. Mathew Thomas

The above named R. Mathew Thomas executed this document in my presence, this 4<sup>th</sup> day of April, 2007.

Sue Wilson  
Witness signature

SUE WILSON  
Witness name (please print)

Witness my hand this 4<sup>th</sup> day of April, 2007.

By: Jan A. Romero  
Jan Antoinette C. Romero

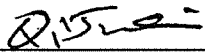
The above named Jan Antoinette C. Romero executed this document in my presence, this 4<sup>th</sup> day of April, 2007.

Sue Wilson  
Witness signature


SUE WILSON  
Witness name (please print)

USSN 11/644,849  
Assignment  
Page 4

Witness my hand this 5<sup>th</sup> day of April, 2007.

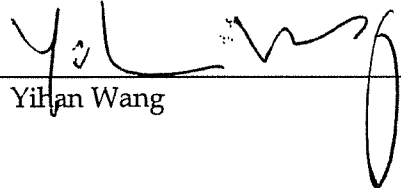
By:   
Jiwei Qi

The above named Jiwei Qi executed this document in my presence, this 5<sup>th</sup> day of April, 2007.

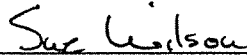
  
Witness signature

SUE WILSON  
Witness name (please print)

Witness my hand this 4<sup>th</sup> day of April, 2007.

By:   
Yihan Wang


The above named Yihan Wang executed this document in my presence, this 4<sup>th</sup> day of April, 2007.

  
Witness signature

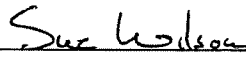
SUE WILSON  
Witness name (please print)

USSN 11/644,849  
Assignment  
Page 5

Witness my hand this 4<sup>th</sup> day of April, 2007.

By:   
Xiaotian Zhu

The above named Xiaotian Zhu executed this document in my presence, this 4<sup>th</sup> day of April, 2007.


  
Witness signature

SUE WILSON  
Witness name (please print)

Witness my hand this 4 day of April, 2007.

By:   
William C. Shakespeare

The above named William C. Shakespeare executed this document in my presence, this 4<sup>th</sup> day of April, 2007.

  
Witness signature

SUE WILSON  
Witness name (please print)

USSN 11/644,849

Assignment

Page 6

Witness my hand this 9<sup>th</sup> day of January, 2007.

By: *Rajeswari Sundaramoorthi*  
Rajeswari Sundaramoorthi

The above named Rajeswari Sundaramoorthi executed this document in my presence this 9<sup>th</sup> day of January, 2007.

*S. Parvathy*  
Witness signature

S. PARVATHY  
Witness name (please print)

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

By: \_\_\_\_\_  
Chester A. Metcalf, III

The above named Chester A. Metcalf, III executed this document in my presence, this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness name (please print)



USSN 11/644,849  
Assignment  
Page 7

Witness my hand this 6th day of April, 2007.

By: David C. Dalgarno  
David C. Dalgarno

The above named David C. Dalgarno executed this document in my presence, this 6<sup>th</sup> day of April, 2007.

Sue Wilson  
Witness signature

SUE WILSON  
Witness name (please print)

Witness my hand this 26<sup>th</sup> day of January, 2007.

By: Tomi K. Sawyer  
Tomi K. Sawyer

The above named Tomi K. Sawyer executed this document in my presence, this 26 day of January, 2007.

Sue Wilson  
Witness signature

SUE WILSON  
Witness name (please print)

Docket No.: 432B US  
Customer No.: 50067

I hereby certify that this paper is being deposited with the United States Postal Service "First Class Mail" on the date indicated below and is addressed to: Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450.

Date \_\_\_\_\_

Signed \_\_\_\_\_

### ASSIGNMENT

We, Dong Zou of 26 Minuteman Drive, Concord, MA, 01742; Wei-Sheng Huang of 8 Mohegan Road, Acton, MA, 01720; R. Mathew Thomas of 33 Middlesex Circle, #04, Waltham, MA, 02452; Jan Antoinette C. Romero of 195 Green Street, #4, Cambridge, MA, 02139; Jiwei Qi of 429 Baker Street, West Roxbury, MA, 02132; Yihan Wang of 45 Madison Avenue, Newton, MA, 02460; Xiaotian Zhu of 137 Temple Street, Newton, MA, 02465; William C. Shakespeare of 2 Hubley Lane, Southborough, MA, 01772; Rajeswari Sundaramoorthi of 52/9 South Boag Road, #B1, Chennai, 600017, India; David C. Dalgarno of 50 Crowninshield Road, Brookline, MA, 02446; Chester A. Metcalf, III of 70 Blake Street, Needham, MA, 02492; and Tomi K. Sawyer of 8 Nathan Stone Road, Southborough, MA, 01772 in consideration of good and valuable consideration paid to us by ARIAD Pharmaceuticals, Inc., a corporation of the state of Delaware, having its principal place of business at 26 Landsdowne Street, Cambridge, MA 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

#### **ARIAD Pharmaceuticals, Inc.**

Its successors and assigns, the entire interest for the United States of America and all foreign countries, including rights of priority under the international convention for the protection of industrial property in a certain invention relating to

#### *Bicyclic Heteroaryl Compounds*

Described in patent application serial no. **11/644,849** filed on **22 December 2006** in the United States Patent and Trademark Office, and in all letters patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns, but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of letters patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such letters patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

**PATENT**  
**REEL: 034844 FRAME: 0560**

USSN 11/644,849  
Assignment  
Page 2

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

By: \_\_\_\_\_  
Dong Zou

The above named Dong Zou executed this document in my presence, this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness name (please print)

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

By: \_\_\_\_\_  
Wei-Sheng Huang

The above named Wei-Sheng Huang executed this document in my presence, this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness name (please print)

USSN 11/644,849  
Assignment  
Page 3

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

By: \_\_\_\_\_  
R. Mathew Thomas

The above named R. Mathew Thomas executed this document in my presence, this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness name (please print)

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

By: \_\_\_\_\_  
Jan Antoinette C. Romero

The above named Jan Antoinette C. Romero executed this document in my presence, this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness name (please print)

USSN 11/644,849  
Assignment  
Page 4

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

By: \_\_\_\_\_  
Jiwei Qi

The above named Jiwei Qi executed this document in my presence, this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness name (please print)

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

By: \_\_\_\_\_  
Yihan Wang

The above named Yihan Wang executed this document in my presence, this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness name (please print)

USSN 11/644,849  
Assignment  
Page 5

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

By: \_\_\_\_\_  
Xiaotian Zhu

The above named Xiaotian Zhu executed this document in my presence, this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness name (please print)

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

By: \_\_\_\_\_  
William C. Shakespeare

The above named William C. Shakespeare executed this document in my presence, this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness name (please print)

USSN 11/644,849  
Assignment  
Page 6

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

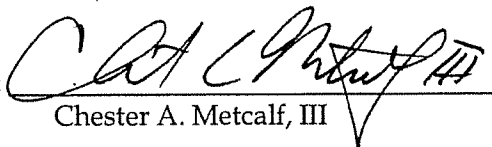
By: \_\_\_\_\_  
Rajeswari Sundaramoorthi

The above named Rajeswari Sundaramoorthi executed this document in my presence, this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

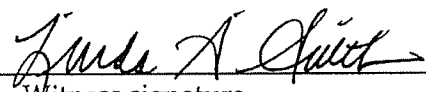
\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness name (please print)

Witness my hand this 29th day of January, 2007.

By:   
Chester A. Metcalf, III

The above named Chester A. Metcalf, III executed this document in my presence, this 29th day of January, 2007.

  
Witness signature

LINDA A SMITH  
Witness name (please print)

USSN 11/644,849  
Assignment  
Page 7

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

By: \_\_\_\_\_  
David C. Dalgarno

The above named David C. Dalgarno executed this document in my presence, this \_\_\_\_\_ day  
of \_\_\_\_\_, 2007.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness name (please print)

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

By: \_\_\_\_\_  
Tomi K. Sawyer

The above named Tomi K. Sawyer executed this document in my presence, this \_\_\_\_\_ day of  
\_\_\_\_\_, 2007.

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness name (please print)