

## PATENT ASSIGNMENT COVER SHEET

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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>JUNYA QU</td> <td>10/04/2011</td> </tr> <tr> <td>RALPH A. RIVERO</td> <td>10/04/2011</td> </tr> <tr> <td>ROBERT SANCHEZ</td> <td>10/04/2011</td> </tr> <tr> <td>ROSANNA TEDESCO</td> <td>10/04/2011</td> </tr> </tbody> </table>		Name	Execution Date	JUNYA QU	10/04/2011	RALPH A. RIVERO	10/04/2011	ROBERT SANCHEZ	10/04/2011	ROSANNA TEDESCO	10/04/2011
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JUNYA QU	10/04/2011										
RALPH A. RIVERO	10/04/2011										
ROBERT SANCHEZ	10/04/2011										
ROSANNA TEDESCO	10/04/2011										
RECEIVING PARTY DATA											
Name:	GLAXOSMITHKLINE LLC										
Street Address:	5 CRESCENT DRIVE										
City:	PHILADELPHIA										
State/Country:	PENNSYLVANIA										
Postal Code:	19112										
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>14031136</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14031136						
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Application Number:	14031136										
CORRESPONDENCE DATA											
Fax Number:	(919)483-7977										
Phone:	919-483-2370										
Email:	usciprtp@gsk.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	GLAXOSMITHKLINE										
Address Line 1:	FIVE MOORE DRIVE, PO BOX 13398										
Address Line 2:	BIDE C2111.2F										
Address Line 4:	RESEARCH TRIANGLE PA, NORTH CAROLINA 27709										
ATTORNEY DOCKET NUMBER:	PU64370C1US (JSY/VP)										
NAME OF SUBMITTER:	VALERIE L. PHILLIPS										

Signature:	/Valerie L. Phillips/
Date:	11/06/2013
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

Assignment

WHEREAS I/WE, **Junya QU** a citizen of China residing at Collegeville, Pennsylvania, **Ralph A RIVERO** a citizen of United States residing at Collegeville, Pennsylvania, **Robert SANCHEZ** a citizen of United States residing at Collegeville, Pennsylvania, **Rosanna TEDESCO** a citizen of Italy residing at Collegeville, Pennsylvania, USA, (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "**BENZIMIDAZOLE DERIVATIVES AS PI3 KINASE INHIBITORS**" (hereinafter referred to as "the invention and improvements") for which priority application **61/390,314** was filed on **06 October 2010** and **61/528,397** was filed on **29 August 2011** in the **United States**, and for which a PCT international application **PCT/US2011/052857** was filed on **23 September 2011**, designating the United States of America and naming assignor as inventor, and in the United States only applicant/inventor, AND in the United States as application **13/251,476** filed on **3 October 2011**.

WHEREAS, **GLAXOSMITHKLINE LLC** a company organized and existing under and by virtue of the laws of the State of Pennsylvania, United States of America, whose trading address is at One Franklin Plaza, P.O. Box 7929, Philadelphia, PA 19101, USA, is desirous of acquiring the whole right, title and interest in and to said invention and improvements, and in and to any applications for said invention and improvements and any Letters Patent to be obtained therefor, in all countries, including the United States, its territories and possessions;

NOW, THEREFORE, to all whom it may concern, be it known that I/we, **Junya QU, Ralph A RIVERO, Robert SANCHEZ, and Rosanna TEDESCO**, for good and valuable consideration unto me/us moving, the receipt whereof is hereby acknowledged, have sold, assigned and transferred, and by these presents do sell, assign and transfer my/our whole right, title and interest in and to said invention and improvements to said **GLAXOSMITHKLINE LLC**, throughout the United States of America, its territories and possessions, and in and to said

application and any extensions, reissues, continuations, continuations-in-part, and any divisions thereof, and in and to any and all Letters Patent of the United States of America;

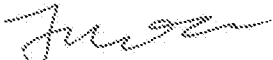
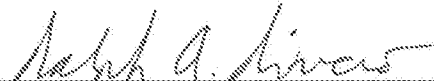
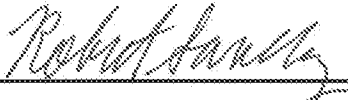

AND, my/our whole right, title and interest in and to said invention and improvements to **GLAXOSMITHKLINE LLC**, in all other countries throughout the world, and in and to any applications in said other countries, and continuations-in-part, patents of addition, revalidation patents, patents of importation, registrations, and any renewals, extensions and divisions thereof, and in and to any and all Letters Patent of said all other countries which may be granted on said invention and improvements including any priority rights under the International Convention.

AND, I/we do hereby authorize and request the issue of any Letters Patent in the respective areas referred to, to said **GLAXOSMITHKLINE LLC**, as assignees of my/our whole right, title and interest in and to the same for the sole use and behoof of the said assignees, their successors and assigns as their interests appear herein;

AND, I/we warrant that I/we have not knowingly conveyed to others any right in said invention, improvements, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing said invention and improvements and that I/we have good right to assign the same to **GLAXOSMITHKLINE LLC**;

AND, I/we the undersigned **Junya QU, Ralph A RIVERO, Robert SANCHEZ, and Rosanna TEDESCO**, for the consideration aforesaid, do hereby agree that I/we or my/our executors or legal representatives, will provide information and make, execute and deliver any and all other instruments in writing, and any and all further acts, application papers, affidavits, assignments and other documents which may be necessary or desirable to more effectually secure to and vest in said **GLAXOSMITHKLINE LLC**, their successors and assigns, the whole right, title and interest in and to the said invention and improvements, applications, Letters Patent, rights, title and interest hereby sold, assigned and conveyed, or intended so to be.

IN WITNESS whereof and with effect from the 06 Oct 2010, the inventor(s) have hereunto set their respective hands.

Inventor Name	Signature	Date
Junya QU:		Oct. 4, 2011
Ralph A RIVERO:		Oct. 4, 2011
Robert SANCHEZ:		Oct 4, 2011
Rosanna TEDESCO:		Oct 4, 2011