

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

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PHILIP ANTHONY HARRIS	01/31/2014
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ROBERT W. MARQUIS JR.	02/04/2014
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ROBERT SINGHAUS JR.	01/31/2014
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<b>State/Country:</b>	UNITED KINGDOM
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**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16299254

**CORRESPONDENCE DATA**

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<b>ATTORNEY DOCKET NUMBER:</b>	PU65386C4 US
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<b>NAME OF SUBMITTER:</b>	AUDREY BOYD
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<b>SIGNATURE:</b>	/Audrey Boyd/
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<b>DATE SIGNED:</b>	03/12/2019
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**Total Attachments: 4**

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## ASSIGNMENT

WHEREAS I/WE, Deepak **BANDYOPADHYAY**, a citizen of India, of Collegeville, PA 19426, USA, Patrick M. **EIDAM**, Peter J. **GOUGH**, Philip Anthony **HARRIS**, Jae U. **JEONG**, Jianxing **KANG**, Bryan Wayne **KING**, Lara Kathryn **LEISTER**, Robert W. **MARQUIS, Jr.**, Attiq **RAHMAN**, Joshi M. **RAMANJULU**, Clark A. **SEHON**, Robert **SINGHAUS, Jr.**, and Daohua **ZHANG**, all United States Citizens, of Collegeville, PA, 19426, USA and Ami **LAKDAWALA SHAH**, a citizen of the United States, of King of Prussia, PA 19406, USA, (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "**HETEROCYCLIC AMIDES AS KINASE INHIBITORS**" (hereinafter referred to as "the invention and improvements") for which priority application **61/765664** was filed on 15 Feb 2013 in the United States, and priority application number **61/790044** was filed on 15 Mar 2013, and for which a PCT international application is now being filed. We hereby authorize and request that the application number of said PCT application, when known, be inserted in the parentheses below.

(PCT/IB2014/ 059004 filed on 14 February 2014)

WHEREAS, GLAXOSMITHKLINE LLC, a company organized and existing under the laws of the State of Delaware, United States of America having an address at 5 Crescent Drive, Philadelphia, PA , 19112, U.S.A and registered office address at Corporation Service Company, 2711 Centerville Road, Suite 400, Wilmington, New Castle, Delaware 19808, is desirous of acquiring the whole right, title and interest in and to said invention, and in and to any applications for said invention, including the right to claim priority, and in and to and any Letters Patent to be obtained thereof, in all countries, including the United States, its territories and possessions, and

WHEREAS GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED, a company incorporated in England whose registered address is 980 Great West Road, Brentford, Middlesex TW8 9GS, England, is desirous of acquiring from GLAXOSMITHKLINE LLC the whole right, title and interest in and to the invention and improvements and in and to the application, and

WHEREAS GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED a company incorporated in England whose registered address is 980 Great West Road, Brentford, Middlesex TW8 9GS, England, is desirous of acquiring the whole right, title and interest in and to the invention and improvements and in and to any applications for the invention and improvements and any Letters Patent to be obtained therefor, in all countries, including the United States of America, its territories and possessions;

NOW, THEREFORE, to all whom it may concern, be it known that I/we, Deepak **BANDYOPADHYAY**, Patrick M. **EIDAM**, Peter J. **GOUGH**, Philip Anthony **HARRIS**, Jae U. **JEONG**, Jianxing **KANG**, Bryan Wayne **KING**, Lara Kathryn **LEISTER**, Robert W. **MARQUIS**, Jr., Attiq **RAHMAN**, Joshi M. **RAMANJULU**, Clark A. **SEHON**, Robert **SINGHAUS**, Jr., Daohua **ZHANG** and Ami **LAKDAWALA SHAH**, 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 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, including any priority rights under the International Convention

AND, my/our whole right, title and interest in and to said invention 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 including any priority rights under the International Convention.

GLAXOSMITHKLINE LLC in turn hereby assigns and transfers to GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED its whole right, title and interest in all countries, including the United States of America, its territories and possessions in and to the invention and improvements and in and to the application including the right to claim priority from the application in respect of any subsequent applications, and in and to any divisional application, continuation or continuation in part application thereof, and in and to any Supplementary Protection Certificate, extension or re-issue thereof, and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED its whole right, title and interest in all countries, including the United States of America, its territories and possessions in and to the invention and improvements and in and to the application including the right to claim priority from the application in respect of any subsequent applications, and in and to any divisional application, continuation or continuation in part application thereof, and in and to any Supplementary Protection Certificate, extension or re-issue thereof

AND I/we the inventor(s) and GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED hereby authorise and request any patent arising therefrom, in all countries, including the United States of America, its territories and possessions, be issued to GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED;

AND GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED hereby, and I/we the inventor(s) for myself/ourselves and my/our respective executors and legal representatives hereby, agree at the request and cost of GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED to provide information and make execute and deliver any and all other instruments in writing, and any and all further acts, applications, papers, affidavits, assignments and other documents which may be possible and are necessary or desirable to more effectually secure to and vest in GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, its successors and assigns, the whole right, title and interest in and to the invention and improvements and in and to the application hereby assigned and transferred in all countries, including the United States of America, its territories and possessions.

IN WITNESS whereof and with effect from the **15 Feb 2013**, the inventor(s) and the Attorney & Authorized Official of GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED and GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED have hereunto set their respective hands.

Inventor Name:

Signature:

Date:


 Deepak BANDYOPADHYAY

Patrick M. EIDAM

Peter J. GOUGH

Philip Anthony HARRIS

Jae U. JEONG

Jianxing KANG


 Brian Wayne KING


 Amy LAKDAWALA SHAH

2/4/2014

2/4/2014

1/31/2014

1/31/2014

1/31/2014

1/31/2014

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1/6/2014

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Robert R. Singhaus Jr. 1/31/2014

Daohua ZHANG

Daohua Zhang 1/31/2014

SIGNED by EDWARD R. Gimmi as the Attorney &

Authorized Official of GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND  
DEVELOPMENT LIMITED and GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT  
LIMITED:

[Signature]

Signature

Date: 2/10/14