504393757 06/01/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GANESH BABU KARUNAKARAN	12/31/2015
RAMAN KUMAR BAKSHI	01/04/2016

RECEIVING PARTY DATA

Name:	SYNGENE INTERNATIONAL, LIMITED	
Street Address:	BIOCON PARK, PLOT NO. 2 & 3	
Internal Address:	BOMMASANDRA INDUSTRIAL AREA IV PHASE, JIGANI LINK ROAD	
City:	BANGALORE	
State/Country:	INDIA	
Postal Code:	560099	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15531759

CORRESPONDENCE DATA

Fax Number: (732)594-4720

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.

Phone: 732-594-4958
Email: us efs@merck.com

Correspondent Name: MERCK SHARP & DOHME CORP.
Address Line 1: 126 EAST LINCOLN AVENUE

Address Line 2: RY86-2011A

Address Line 4: RAHWAY, NEW JERSEY 07065

ATTORNEY DOCKET NUMBER:	23874-US-PCT
NAME OF SUBMITTER:	STEPHANIE RICARDO
SIGNATURE:	/Stephanie Ricardo/
DATE SIGNED:	06/01/2017

Total Attachments: 4

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PATENT 504393757 REEL: 042567 FRAME: 0988

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PATENT REEL: 042567 FRAME: 0989

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

(1) Ganesh Babu Karunakaran,

located at Hosur 635 109, Tamil Nadu, India

(2) Raman Kumar Bakshi

located at Edison, NJ 08820,

(hereinafter ASSIGNOR(S)), together with **Phieng Siliphaivanh**, located at Newton, MA 02461, **Joey Methot**, located at Westwood, MA 02090, **Kathryn Ann Lipford**, located at Boston, MA 02118, **Danielle Molinari**, located at Brookline, MA 02445, **David L. Sloman**, located at Brookline, MA 02446, **David Witter**, located at Norfolk, MA 02056, **Hua Zhou**, located at Acton, MA 01720, **Christopher Boyce**, located at Flemington, NJ 08822, **Xianhai Huang**, located at Warren, NJ 07059, **Jongwon Lim**, located at Lexington, MA 02420, **David Guerin**, located at Natick, MA 01760, Ziping Liu, located at Beijing 100176, China, **Jianmin Fu**, located at Beijing 100176, China, **Zhilong Wan**, located at Beijing 102400, China, and **Wei Liu**, located at Beijing 100176, China, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

ERK INHIBITORS

and in the following application(s):

PCT International Application No. PCT/CN2014/093860 having a filing date of December 15, 2014

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Syngene International, Limited, a corporation organized under the laws of India, having an office at Biocon Park, Plot No. 2 & 3, Bommasandra Industrial Area IV phase, Jigani Link Road, Bangalore 560 099, India, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize ASSIGNEE to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this 31 day of DECGNYSER, 201	15	•
Executed this 31 day of DECEMPSER, 201		
Ganeshi Babu Karunakaran		
ACKNOWLEDGEMENT		
acknowledged that he (she) executed the same, of		rument, and
	(TAYANIN T. T.)	
	WITNESS (GAYANIN T.T.) WITNESS (Gregory (Gregory	S. BUSA
	WITNESS	
Executed this day of, 201	5.	
ACKNOWLEDGEMENT		
State of New Jersey)		
County of	s.s.:	
On this day of, known, and known by me to be the same person(s) acknowledged that he (she) executed the same, of	2015, personally appeared before me Raman Kumar) described in and who executed the foregoing instrum his (her) own free will for the purpose set forth.	Bakshi, to me ent, and
(Seal)		
	Notary Public	

REEL: 042567 FRAME: 0991

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

(1) Ganesh Babu Karunakaran,

located at Hosur 635 109, Tamil Nadu, India

(2) Raman Kumar Bakshi

located at Edison, NJ 08820.

(hereinafter ASSIGNOR(S)), together with **Phieng Siliphaivanh**, located at Newton, MA 02461, **Joey Methot**, located at Westwood, MA 02090, **Kathryn Ann Lipford**, located at Boston, MA 02118, **Danielle Molinari**, located at Brookline, MA 02445, **David L. Sloman**, located at Brookline, MA 02446, **David Witter**, located at Norfolk, MA 02056, **Hua Zhou**, located at Acton, MA 01720, **Christopher Boyce**, located at Flemington, NJ 08822, **Xianhai Huang**, located at Warren, NJ 07059, **Jongwon Lim**, located at Lexington, MA 02420, **David Guerin**, located at Natick, MA 01760, Ziping Liu, located at Beijing 100176, China, **Jianmin Fu**, located at Beijing 100176, China, **Zhilong Wan**, located at Beijing 102400, China, and **Wei Liu**, located at Beijing 100176, China, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

to

I/WE HEREBY authorize ASSIGNEE to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this day of	2015
Ganesh Babu Karunakaran	-
ACKNOWLEDGEMENT	
On this 4th day of January me known, and known by me to be the same acknowledged that he (she) executed the same	, 201 6 , personally appeared before me Ganesh Babu Karunakaran, erson(s) described in and who executed the foregoing instrument, and e, of his (her) own free will for the purpose set forth.

WITNESS

WITNESS

This obscument is wetarized by Seth Habachit ____ for Raman Kumar Bakshi only

Executed this 4th day of Junnary, 2016.

ACKNOWLEDGEMENT

State of New Jersey County of Middlesex

On this Ath day of Jankbru, , 2016, personally appeared before me Raman Kumar Bakshi, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

SETH HABACHT Notary Public State of New Jersey My Commission Expires Sep 9, 2020

Notary Public