

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6589562

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WEIRONG CHEN	07/10/2008
LLOYD FRANKLIN	07/10/2008
BING GUAN	07/10/2008
JOHN HOWARD JONES	07/10/2008
GNANASAMBANDAM KUMARAVEL	07/10/2008
BENJAMIN LANE	07/10/2008
ADAM LITCKE	07/10/2008
ALEXEY LUGOVSKOY	07/10/2008
HAIRUO PENG	07/10/2008
NOEL POWELL	07/10/2008
JEFFREY VESSELS	07/10/2008
THOMAS WYNN	07/10/2008
ZHILI XIN	07/10/2008
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BIOGEN IDEC MA INC.
<b>Street Address:</b>	14 CAMBRIDGE CENTER
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02142
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	8802657
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)493-6811
<i>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.</i>	
<b>Phone:</b>	6504615211
<b>Email:</b>	cricks@wsgr.com
<b>Correspondent Name:</b>	CHRISTINE RICKS
<b>Address Line 1:</b>	650 PAGE MILL ROAD

PATENT

**Address Line 4:** PALO ALTO, CALIFORNIA 94304

**ATTORNEY DOCKET NUMBER:** 57841-701.301

**NAME OF SUBMITTER:** CHRISTINE RICKS

**SIGNATURE:** /Christine Ricks/

**DATE SIGNED:** 03/08/2021

**Total Attachments: 14**

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## ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned **Weirong Chen** of Waltham, MA, **Lloyd Franklin** of Upton, MA, **Bing Guan** of Needham, MA, **John Howard Jones** of Framingham, MA, **Gnanasambandam Kumaravel** of Westford, MA, **Benjamin Lane** of Chelsea, MA, **Adam Littke** of Boston, MA, **Alexey Lugovskoy** of Woburn, MA, **Hairuo Peng** of Needham, MA, **Noel Powell** of Westford, MA, **Jeffrey Vessels** of Marlborough, MA, **Thomas Wynn** of Salem, MA, and **Zhili Xin** of Lexington, MA, hereby

Sells, assigns and transfers to **BIODEN IDEC MA INC.**, having a place of business at **14 Cambridge Center, Cambridge, MA 02142**, its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE, his/her entire right, title and interest for the United States and all foreign countries; in and to any and all inventions which are disclosed in the application for United States Letters Patent entitled "**COMPOUNDS USEFUL AS RAF KINASE INHIBITORS**" filed **June 30, 2008**, and given serial number **12/164,762**, in and to said application and all divisional, continuing, substitute, renewal, reissue, reexamination or other application for Letters Patent which has been or shall be filed in the United States or any foreign country on any of said inventions, and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agrees that said ASSIGNEE may apply for and receive Letters Patent for said inventions in its own name and when requested, without charge to but at the expense of said ASSIGNEE, agrees to carry out in good faith the intent and purpose of this Assignment by executing all divisional, continuing, substitute, renewal, reissue, reexamination and all other patent applications on any and all said inventions; by executing all rightful declarations, oaths, assignments and other papers; by communicating to said ASSIGNEE all facts known to him/her relating to said inventions and the history thereof, and generally by doing everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said ASSIGNEE. Each of the undersigned also hereby appoints ASSIGNEE as its common agent for purposes of prosecuting international patent applications and any material patent applications for which such common agency is recognized.

Hereby requests the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said ASSIGNEE.

Covenants with said ASSIGNEE that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by him/her, and that full right to convey the same as herein expressed is possessed by him/her.

U.S.S.N: 12/164,762  
4347682v1

Attorney Docket No.: 2004345-0112  
Client Ref: SU-4600

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
Massachusetts this 10th day of July, 2008.

*Weirong Chen*  
Name: Weirong Chen

STATE OF Massachusetts  
COUNTY OF Middlesex SS.

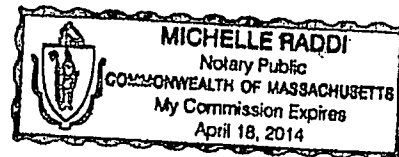
Before me this 10th day of July, 2008, personally appeared  
**Weirong Chen** known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that he/she executed the same as his/her free act and deed for the  
purposes therein contained.

NOTARY PUBLIC

*Michelle Raddi*

[Notary's Seal Here]

My Commission Expires:



IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
Massachusetts this 10th day of July, 2008.

Lloyd Franklin  
Name: Lloyd Franklin

STATE OF Massachusetts  
COUNTY OF Middlesex SS.

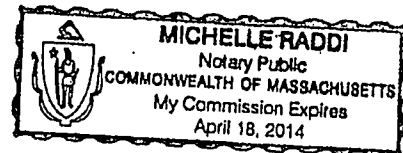
Before me this 10th day of July, 2008, personally appeared  
**Lloyd Franklin** known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that he/she executed the same as his/her free act and deed for the  
purposes therein contained.

NOTARY PUBLIC

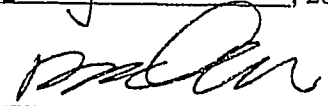
Michelle Raddi

[Notary's Seal Here]

My Commission Expires:



IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge  
Massachusetts this 10<sup>th</sup> day of July, 2008.

  
Name: Bing Guan

STATE OF Massachusetts  
COUNTY OF Middlesex SS.

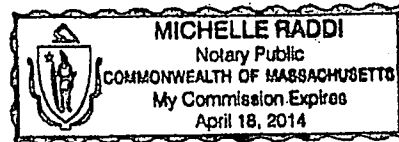
Before me this 10<sup>th</sup> day of July, 2008, personally appeared  
**Bing Guan** known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that he/she executed the same as his/her free act and deed for the  
purposes therein contained.

NOTARY PUBLIC

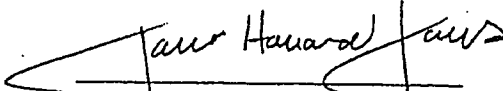


[Notary's Seal Here]

My Commission Expires:



IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
Massachusetts this 10th day of July, 2008.

  
Name: John Howard Jones

STATE OF Massachusetts  
COUNTY OF Middlesex SS.

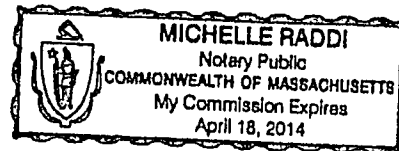
Before me this 10th day of July, 2008, personally appeared  
**John Howard Jones** known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that he/she executed the same as his/her free act and deed for the  
purposes therein contained.

NOTARY PUBLIC



[Notary's Seal Here]

My Commission Expires:



IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
Massachusetts this 10th day of July, 2008.

Gnanasambandam Kumaravel  
Name: Gnanasambandam Kumaravel

STATE OF Massachusetts  
COUNTY OF Middlesex SS.

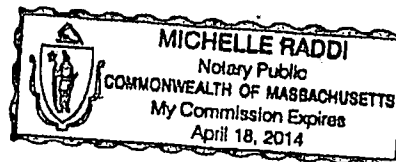
Before me this 10th day of July, 2008, personally appeared  
**Gnanasambandam Kumaravel** known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he/she executed the same as his/her free act and  
deed for the purposes therein contained.

NOTARY PUBLIC

Michelle Raddi

[Notary's Seal Here]


My Commission Expires:





IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
Massachusetts this 10th day of July, 2008.

STATE OF Massachusetts  
COUNTY OF Middlesex SS.

  
Name: Benjamin Lane

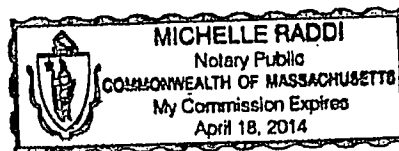
Before me this 10th day of July, 2008, personally appeared  
**Benjamin Lane** known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that he/she executed the same as his/her free act and deed for the  
purposes therein contained.

NOTARY PUBLIC



[Notary's Seal Here]

My Commission Expires:



IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
Massachusetts this 10th day of July, 2008.

Adam Littke  
Name: Adam Littke

STATE OF Massachusetts  
COUNTY OF Middlesex SS.

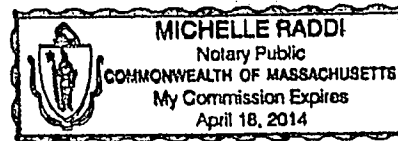
Before me this 10th day of July, 2008, personally appeared  
**Adam Littke** known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that he/she executed the same as his/her free act and deed for the  
purposes therein contained.

NOTARY PUBLIC

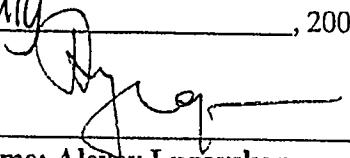
Michelle Raddi

[Notary's Seal Here]

My Commission Expires:



IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
Massachusetts this 10th day of July, 2008.

  
Name: Alexey Lugovskoy

STATE OF Massachusetts  
COUNTY OF Middlesex SS.

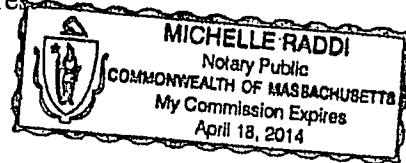
Before me this 10th day of July, 2008, personally appeared  
Alexey Lugovskoy known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that he/she executed the same as his/her free act and deed for the  
purposes therein contained.

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[Notary's Seal Here]

My Commission Expires:



IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
Massachusetts this 10th day of July, 2008.

Hairuo Peng  
Name: Hairuo Peng

STATE OF Massachusetts  
COUNTY OF Middlesex SS.

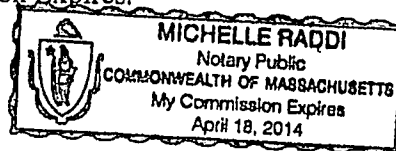
Before me this 10th day of July, 2008, personally appeared  
**Hairuo Peng** known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that he/she executed the same as his/her free act and deed for the  
purposes therein contained.

NOTARY PUBLIC

Michelle Raddi

[Notary's Seal Here]

My Commission Expires:



IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
Massachusetts this 10th day of July, 2008.

  
Name: Noel Powell

STATE OF Massachusetts  
COUNTY OF Middlesex SS.

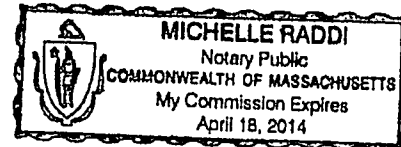
Before me this 10th day of July, 2008, personally appeared  
**Noel Powell** known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that he/she executed the same as his/her free act and deed for the  
purposes therein contained.

NOTARY PUBLIC



[Notary's Seal Here]

My Commission Expires:



IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
Massachusetts this 10th day of July, 2008.

  
Name: Jeffrey Vessels

STATE OF Massachusetts  
COUNTY OF Middlesex SS.

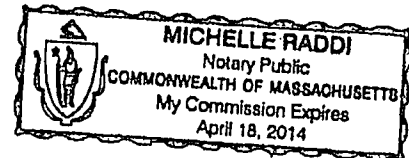
Before me this 10th day of July, 2008, personally appeared  
**Jeffrey Vessels** known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that he/she executed the same as his/her free act and deed for the  
purposes therein contained.

NOTARY PUBLIC

*Michelle Raddi*

[Notary's Seal Here]

My Commission Expires:



IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
Massachusetts this 10th day of July, 2008.

  
Name: Thomas Wynn

STATE OF Massachusetts  
COUNTY OF Middlesex SS.

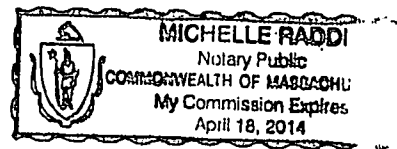
Before me this 10th day of July, 2008, personally appeared  
**Thomas Wynn** known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that he/she executed the same as his/her free act and deed for the  
purposes therein contained.

NOTARY PUBLIC

Michelle Raddi

[Notary's Seal Here]

My Commission Expires:



U.S.S.N: 12/164,762  
4347682v1

Attorney Docket No.: 2004345-0112  
Client Ref: SU-4600

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PATENT  
REEL: 021707 FRAME: 0653  
PATENT  
REEL: 055524 FRAME: 0385

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
Massachusetts this 10th day of July, 2008.

X  
Name: **Zhili Xin**

STATE OF Massachusetts  
COUNTY OF Middlesex SS.

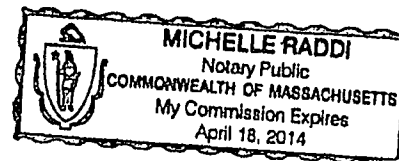
Before me this 10th day of July, 2008, personally appeared  
**Zhili Xin** known to me to be the person whose name is subscribed to the foregoing Assignment  
and acknowledged that he/she executed the same as his/her free act and deed for the purposes  
therein contained.

NOTARY PUBLIC

Michelle Raddi

[Notary's Seal Here]

My Commission Expires:



U.S.S.N: 12/164,762  
4347682v1

Attorney Docket No.: 2004345-0112  
Client Ref: SU-4600

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RECORDED: 10/16/2008

RECORDED: 03/08/2021

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REEL: 021707 FRAME: 0654  
PATENT

REEL: 055524 FRAME: 0386