

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kevin M. Guckian	01/22/2010
Richard D. Caldwell	01/22/2010
Gnanasambandam Kumaravel	01/22/2010
Wen-Cherng Lee	01/15/2010
Edward Yin-Shiang Lin	01/14/2010
Xiaogao Liu	01/14/2010
Bin Ma	01/14/2010
Daniel M. Scott	01/22/2010
Zhan Shi	01/19/2010
Guo Zhu Zheng	01/14/2010
Arthur G. Taveras	01/19/2010
Jermaine Thomas	01/14/2010

RECEIVING PARTY DATA

Name:	Biogen Idec MA Inc.
Street Address:	14 Cambridge Center
City:	Cambridge
State/Country:	MASSACHUSETTS
Postal Code:	02142

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12588883

CORRESPONDENCE DATA

Fax Number: (202)429-3902

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-429-3000

Email: kwilliams@steptoe.com

PATENT

501462583

REEL: 025931 FRAME: 0969

CH \$40.00 12588883

Correspondent Name:	Harold H. Fox
Address Line 1:	1330 Connecticut Avenue, NW
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20036

ATTORNEY DOCKET NUMBER:	14937.0068
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NAME OF SUBMITTER:	Kristen M. Williams
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Total Attachments: 13

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ASSIGNMENT

For valuable consideration, we, Kevin M. GUCKIAN, of Marlborough, Massachusetts; Richard D. CALDWELL; of Somerville, Massachusetts; Gnanasambandam KUMARAVEL, of Westford, Massachusetts; Wen-Cherng LEE, of Lexington, Massachusetts; Edward Yin-Shiang LIN, of Chestnut Hill, Massachusetts; Xiaogao LIU, of Dover, Massachusetts; Bin MA, of Arlington, Massachusetts; Daniel M. SCOTT, of Weston, Massachusetts; Zhan SHI, of Concord, Massachusetts; Guo Zhu ZHENG, of Lexington, Massachusetts; Arthur G. TAVERAS, of Southborough, Massachusetts; and Jermaine THOMAS, of Chelsea, Massachusetts; hereby assign to Biogen Idec MA Inc., a corporation of Massachusetts having a place of business at:

14 Cambridge Center
Cambridge, Massachusetts 02142,

and its successors and assigns (collectively hereinafter called "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent entitled BICYCLIC ARYLSPHINGOSINE 1-PHOSPHATE ANALOGS, filed October 30, 2009, and assigned U.S. Serial Number 12/588,883 this assignment including said application, any and all United States and foreign utility patents and patent applications, including continuation, continuation-in-part, divisional, reissue, and reexamination applications, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

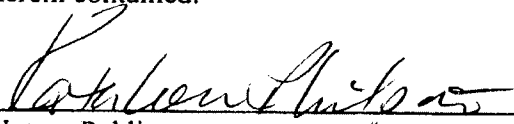
DATE: 1/22/2010



Kevin M. Guckian

STATE OF MASSACHUSETTS)
COUNTY OF Norfolk) SS.

Before me this 22 day of January, 20 10, personally appeared Kevin M. Guckian known to me to be the person whose name is subscribed to the foregoing Assignment, proved to me through satisfactory evidence of identification in the form of Company Badge ID, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.



Notary Public

My Commission Expires:



KATHLEEN PHILPOT
Notary Public
Commonwealth of Massachusetts
My Commission Expires
December 2, 2016

{Notary's Seal Here}

DATE: 1-22-2010


Richard D. Caldwell

STATE OF MASSACHUSETTS)
COUNTY OF MIDDLESEX) SS.

Before me this 22 day of JANUARY, 20 10, personally appeared Richard D. Caldwell known to me to be the person whose name is subscribed to the foregoing Assignment, proved to me through satisfactory evidence of identification in the form of Company Badge ID, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.


Notary Public

My Commission Expires:



KATHLEEN PHILPOT
Notary Public
Commonwealth of Massachusetts
My Commission Expires
December 2, 2016

[Notary's Seal Here]

DATE: 1/22/2010

Gnanasambandan Kumaravel
Gnanasambandan Kumaravel

STATE OF Massachusetts)
COUNTY OF Suffolk) SS.

Before me this 22 day of January, 2010, personally appeared Gnanasambandan Kumaravel known to me to be the person whose name is subscribed to the foregoing Assignment, proved to me through satisfactory evidence of identification in the form of Company Badge ID, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Kathleen Philpot
Notary Public

My Commission Expires:

[Notary's Seal Here]



KATHLEEN PHILPOT
Notary Public
Commonwealth of Massachusetts
My Commission Expires
December 2, 2016

DATE: 01/15/2010

Wen-Cherng Lee
Wen-Cherng Lee

STATE OF MASSACHUSETTS)
COUNTY OF MIDDLESEX) SS.

Before me this 15 day of JANUARY, 2010, personally appeared Wen-Cherng Lee known to me to be the person whose name is subscribed to the foregoing Assignment, proved to me through satisfactory evidence of identification in the form of Company Badge ID, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Kathleen Philpot
Notary Public

My Commission Expires:



KATHLEEN PHILPOT
Notary Public
Commonwealth of Massachusetts
My Commission Expires
December 2, 2016


[Notary's Seal Here]

DATE: 1/14/2010


Edward Yin-Shiang Lin

STATE OF MASSACHUSETTS
COUNTY OF MIDDLESEX) SS.

Before me this 14 day of JANUARY, 2010, personally appeared Edward Yin-Shiang Lin known to me to be the person whose name is subscribed to the foregoing Assignment, proved to me through satisfactory evidence of identification in the form of COMPANY Pledge ID, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.


Notary Public

My Commission Expires:



KATHLEEN PHILPOT
Notary Public
Commonwealth of Massachusetts
My Commission Expires
December 2, 2016

[Notary's Seal Here]

DATE: 1/14/2010

Xiaogao Liu
Xiaogao Liu

STATE OF Massachusetts)
COUNTY OF Middlesex) SS.

Before me this 14 day of JANUARY, 2010, personally
appeared Xiaogao Liu known to me to be the person whose name is subscribed to the foregoing
Assignment, proved to me through satisfactory evidence of identification in the form of
Company Badge ID, and acknowledged that he/she executed the same as
his/her free act and deed for the purposes therein contained.

Kathleen Philpot
Notary Public

My Commission Expires:

[Notary's Seal Here]



KATHLEEN PHILPOT
Notary Public
Commonwealth of Massachusetts
My Commission Expires
December 2, 2016

DATE: 1-14-2010

Bin Ma

STATE OF MASSACHUSETTS)
COUNTY OF WINDHAM) SS.

Before me this 14 day of JANUARY, 2010, personally
appeared Bin Ma known to me to be the person whose name is subscribed to the foregoing
Assignment, proved to me through satisfactory evidence of identification in the form of
Company Badge ID, and acknowledged that he/she executed the same as
his/her free act and deed for the purposes therein contained.

Kathleen Philpot
Notary Public

My Commission Expires:



KATHLEEN PHILPOT
Notary Public
Commonwealth of Massachusetts
My Commission Expires

[Notary's Seal Here]



KATHLEEN PHILPOT
Notary Public
Commonwealth of Massachusetts
My Commission Expires
December 2, 2016

DATE: 1/22/10

Daniel M. Scott
Daniel M. Scott

STATE OF MASSACHUSETTS)
COUNTY OF Middlesex) SS.

Before me this 22 day of January, 20 10, personally appeared Daniel M. Scott known to me to be the person whose name is subscribed to the foregoing Assignment, proved to me through satisfactory evidence of identification in the form of Company Badge ID, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Kathleen Philpot
Notary Public

My Commission Expires:



KATHLEEN PHILPOT
Notary Public
Commonwealth of Massachusetts
My Commission Expires
December 2, 2016

[Notary's Seal Here]

DATE: 19 Jan. 2010

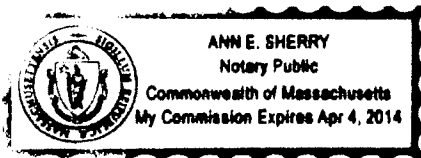
Zhan Shi
Zhan Shi

STATE OF Massachusetts
COUNTY OF Middlesex } SS.

Before me this 19th day of January, 2010, personally appeared Zhan Shi known to me to be the person whose name is subscribed to the foregoing Assignment, proved to me through satisfactory evidence of identification in the form of personal I.D., and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Ann Sherry
Notary Public (ANN SHERRY)
My Commission Expires: April 4, 2014

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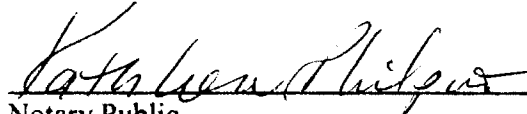
DATE: 01/14/2010



Guo Zhu Zheng

STATE OF MASSACHUSETTS)
COUNTY OF MIDDLESEX) SS.

Before me this 14 day of JANUARY, 20 10, personally
appeared Guo Zhu Zheng known to me to be the person whose name is subscribed to the
foregoing Assignment, proved to me through satisfactory evidence of identification in the form
of Company Badge ID, and acknowledged that he/she executed the same as
his/her free act and deed for the purposes therein contained.



Notary Public

My Commission Expires:



KATHLEEN PHILPOT
Notary Public

Commonwealth of Massachusetts
My Commission Expires
December 2, 2016

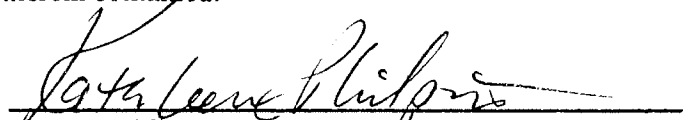
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DATE: January 19, 2010


Arthur G. Taveras

STATE OF Massachusetts)
COUNTY OF Middlesex) SS.

Before me this 19TH day of January, 2010, personally appeared Arthur G. Taveras known to me to be the person whose name is subscribed to the foregoing Assignment, proved to me through satisfactory evidence of identification in the form of Company Badge ID, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.


Notary Public

My Commission Expires:



KATHLEEN PHILPOT
Notary Public
Commonwealth of Massachusetts
My Commission Expires
December 2, 2016

[Notary's Seal Here]

DATE: 01/14/2010

Jermaine Thomas
Jermaine Thomas

STATE OF MASSACHUSETTS)
COUNTY OF Middlesex) SS.

Before me this 14 day of JANUARY, 2010, personally
appeared Jermaine Thomas known to me to be the person whose name is subscribed to the
foregoing Assignment, proved to me through satisfactory evidence of identification in the form
of Company Badge ID, and acknowledged that he/she executed the same as
his/her free act and deed for the purposes therein contained.

Kathleen Philpot
Notary Public

My Commission Expires:



KATHLEEN PHILPOT
Notary Public

Commonwealth of Massachusetts
My Commission Expires
December 2, 2016

[Notary's Seal Here]