

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sha MI</td> <td>08/29/2005</td> </tr> <tr> <td>R. Blake PEPINSKY</td> <td>08/23/2005</td> </tr> <tr> <td>John MCCOY</td> <td>08/30/2005</td> </tr> </tbody> </table>		Name	Execution Date	Sha MI	08/29/2005	R. Blake PEPINSKY	08/23/2005	John MCCOY	08/30/2005		
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Sha MI	08/29/2005										
R. Blake PEPINSKY	08/23/2005										
John MCCOY	08/30/2005										
<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: 4</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11165576</td> </tr> <tr> <td>Application Number:</td> <td>60617297</td> </tr> <tr> <td>Application Number:</td> <td>60628435</td> </tr> <tr> <td>Application Number:</td> <td>60680475</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11165576	Application Number:	60617297	Application Number:	60628435	Application Number:	60680475
Property Type	Number										
Application Number:	11165576										
Application Number:	60617297										
Application Number:	60628435										
Application Number:	60680475										
<b>CORRESPONDENCE DATA</b>											
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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<b>NAME OF SUBMITTER:</b>	Julie A. Heider										

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Total Attachments: 4

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## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to the undersigned inventors: 1) Sha MI, 2) R. Blake PEPINSKY, and 3) John McCOY, hereby sell and assign to **Biogen Idec MA Inc.**, a corporation formed under the laws of Massachusetts, whose mailing address is 14 Cambridge Center, Cambridge, MA 02142, (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in each of the Patents and Patent Applications that are described in detail in Schedule A, annexed hereto and made a part hereof, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant Raymond G. Arner, Registration No. 32,958; Timothy P. Linkkila, Registration No. 40,702; Niki D. Cox, Registration No. 42,446; Cara Z. Lowen, Registration No. 38,227; James D. Darnley, Jr., Registration No. 33,673; Leda Trinvinos, Registration No. 50,635; and Constance Yeung, Registration No. 56,137 at BIOGEN IDEC INC., 14 Cambridge Center, Cambridge, Massachusetts 02142; Christopher Dayton, Registration No. 35,114; Ramsey Stewart, Registration No. 38,322;

Attorney Docket No. 2159.0460004

Joseph Kenny, Registration No. 43,710; and Pamela Bechtel, Registration No. 54,984 at BIOGEN IDEC INC., 5200 Research Place, Bldg.120/3, San Diego, CA 92122; and Robert Greene Sterne, Esq., Registration No. 28,912; Edward J. Kessler, Esq., Registration No. 25,688; Jorge A. Goldstein, Esq., Registration No. 29,021; David K.S. Cornwell, Esq., Registration No. 31,944; Robert W. Esmond, Esq., Registration No. 32,893; Tracy-Gene G. Durkin, Esq., Registration No. 32,831; Michele A. Cimbala, Esq., Registration No. 33,851; Michael B. Ray, Esq., Registration No. 33,997; Robert E. Sokohl, Esq., Registration No. 36,013; Eric K. Steffe, Esq., Registration No. 36,688; Michael Q. Lee, Esq., Registration No. 35,239; Steven R. Ludwig, Esq., Registration No. 36,203; John M. Covert, Esq., Registration No. 38,759; Linda E. Alcorn, Esq., Registration No. 39,588; Lawrence B. Bugaisky, Esq., Registration No. 35,086; Donald J. Featherstone, Esq., Registration No. 33,876; Robert C. Millonig, Esq., Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; Patrick E. Garrett, Esq., Registration No. 39,987; Jeffrey Helvey, Registration No. 44,757; Heidi L. Kraus, Registration No. 43,730; Eldora Ellison, Registration No. 39,967; Thomas C. Fiala, Registration No. 43,610; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Washington, D.C. 20005-3934,, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Sha MI

*Sha MI*

*8/29/05*

Signature of Inventor

Date

Notarized By: PATRICIA A HOFSTETTER  
Printed Name of Notary

*Patricia A Hofstetter*

*8/29/05*

Signature of Notary

Date

R. Blake PEPINSKY

*R Blake Pepinsky*

*8/23/05*

Signature of Inventor

Date

Notarized By: PATRICIA A Hofstetter  
Printed Name of Notary

*Patricia A Hofstetter*

*August 23 2005*

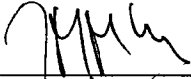
Signature of Notary

Date

PATRICIA A. HOFSTETTER  
Notary Public  
My Commission expires  
May 19, 2006

Attorney Docket No. 2159.0460004

John McCOY

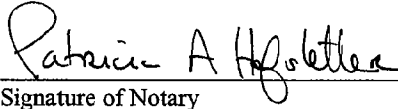


Signature of Inventor

8/30/05

Date

Notarized By: PATRICIA A HOFSTETTER  
Printed Name of Notary



Signature of Notary

8/30/05

Date

PATRICIA A. HOFSTETTER  
Notary Public  
My Commission Expires  
May 19, 2006

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Attorney Docket No. 2159.0460004

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**PATENT**  
**REEL: 016521 FRAME: 0122**

**SCHEDULE A**

**UNITED STATES PATENTS, UNITED STATES PATENT APPLICATIONS AND  
INTERNATIONAL APPLICATIONS THAT DESIGNATE THE UNITED STATES**

	Application No.	Filing Date	Patent No.	Issue Date
	11/165,576	06/24/2005		
	60/617,297	10/07/2004		
	60/628,435	11/15/2004		
	60/680,475	05/13/2005		

**OTHER INTERNATIONAL APPLICATIONS AND PATENTS**

	Country	Application No.	Patent No.

430982v1