

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mary DiBiase</td> <td>10/15/2001</td> </tr> <tr> <td>Wen-Li Chung</td> <td>10/16/2001</td> </tr> <tr> <td>Mark Staples</td> <td>10/20/2001</td> </tr> <tr> <td>Eric Sharin</td> <td>11/16/2001</td> </tr> </tbody> </table>		Name	Execution Date	Mary DiBiase	10/15/2001	Wen-Li Chung	10/16/2001	Mark Staples	10/20/2001	Eric Sharin	11/16/2001
Name	Execution Date										
Mary DiBiase	10/15/2001										
Wen-Li Chung	10/16/2001										
Mark Staples	10/20/2001										
Eric Sharin	11/16/2001										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Biogen, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>133 Boston Post Road</td> </tr> <tr> <td>City:</td> <td>Weston</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02493</td> </tr> </table>		Name:	Biogen, Inc.	Street Address:	133 Boston Post Road	City:	Weston	State/Country:	MASSACHUSETTS	Postal Code:	02493
Name:	Biogen, Inc.										
Street Address:	133 Boston Post Road										
City:	Weston										
State/Country:	MASSACHUSETTS										
Postal Code:	02493										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12794477</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12794477						
Property Type	Number										
Application Number:	12794477										
CORRESPONDENCE DATA											
<p>Fax Number: 6172359492 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-951-7000 Email: ginny.blundell@ropesgray.com</p> <p>Correspondent Name: Ropes & Gray LLP Address Line 1: Prudential Tower Address Line 2: 800 Boylston Street Address Line 4: Boston, MASSACHUSETTS 02199-3600</p>											
ATTORNEY DOCKET NUMBER:	000454-0090-106										
NAME OF SUBMITTER:	Ginny Blundell										
Signature:	/Ginny Blundell/										

PATENT

Date:

05/23/2013

Total Attachments: 16

source=Assignment#page1.tif
source=Assignment#page2.tif
source=Assignment#page3.tif
source=Assignment#page4.tif
source=Assignment#page5.tif
source=Assignment#page6.tif
source=Assignment#page7.tif
source=Assignment#page8.tif
source=Assignment#page9.tif
source=Assignment#page10.tif
source=Assignment#page11.tif
source=Assignment#page12.tif
source=Assignment#page13.tif
source=Assignment#page14.tif
source=Assignment#page15.tif
source=Assignment#page16.tif

ASSIGNMENT

WHEREAS, we, Mary DiBiase, Wen-Li Chung, Mark Staples and Eric Sharin have invented STABLE LIQUID INTERFERON FORMULATIONS described in an application for Letters Patent of the United States, the specification of which:

- ☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;
- ☒ was filed on December 23, 1997 as Application No. 09/403,930;
- ☐ was patented under U.S. Patent No. [] on [].

WHEREAS, **Biogen, Inc.** ("ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **Fourteen Cambridge Center, Cambridge, Massachusetts 02142** desires to acquire an interest therein in accordance with agreements duly entered into with us;


NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application including any divisions, continuations and continuations-in-part thereof, and such Letters Patent of the United States, and of foreign countries, as may issue thereon or claim priority therefrom; and in and to any and all renewals, reissues, reexaminations and extensions thereof; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent including, without limitation, any and all priority rights, convention rights and order benefits accruing or to accrue to assignee with respect to the filing of applications for patents in the United States and countries foreign thereto. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including

the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation and continuation-in-part applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;


AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

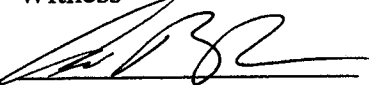
First Inventor's Signature: 

State/Commonwealth
Of Massachusetts
County of Norfolk

Then personally appeared before me the above-named MARY DIBIASE and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 15th day of October, 2001.


Witness

S. Devi Bhat
Print name


Witness

Allan Brooks
Print name

Second Inventor's Signature: _____

State/Commonwealth

Of Massachusetts

County of Middlesex

Then personally appeared before me the above-named WEN-LI CHUNG and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 2001.

Witness

Print name

Witness

Print name

Third Inventor's Signature: _____

State/Commonwealth

Of Massachusetts

County of Middlesex

Then personally appeared before me the above-named MARK STAPLES and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 2001.

Witness Signature

Print name

Witness Signature

Print name

Fourth Inventor's Signature: _____

State/Commonwealth
Of North Carolina

County of _____

Then personally appeared before me the above-named ERIC SHARIN and acknowledged that
he/she executed the foregoing instrument as his/her free act and deed this _____ day of
_____, 2001.

Witness

Print name

Witness Signature

Print name

ASSIGNMENT

WHEREAS, we, Mary DiBiase, Wen-Li Chung, Mark Staples and Eric Sharin have invented STABLE LIQUID INTERFERON FORMULATIONS described in an application for Letters Patent of the United States, the specification of which:

[] is being executed on even date herewith and is about to be filed in the United States Patent Office;

[X] was filed on December 23, 1997 as Application No. 09/403,930 ;

[] was patented under U.S. Patent No. [] on [].

WHEREAS, **Biogen, Inc.** ("ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **Fourteen Cambridge Center, Cambridge, Massachusetts 02142** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application including any divisions, continuations and continuations-in-part thereof, and such Letters Patent of the United States, and of foreign countries, as may issue thereon or claim priority therefrom; and in and to any and all renewals, reissues, reexaminations and extensions thereof; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent including, without limitation, any and all priority rights, convention rights and order benefits accruing or to accrue to assignee with respect to the filing of applications for patents in the United States and countries foreign thereto. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including

the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation and continuation-in-part applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

First Inventor's Signature: _____

State/Commonwealth

Of Massachusetts

County of Norfolk

Then personally appeared before me the above-named MARY DIBIASE and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 2001.

Witness

Print name

Witness

Print name

Second Inventor's Signature: _____

State/Commonwealth

Of Massachusetts

County of Middlesex

Then personally appeared before me the above-named WEN-LI CHUNG and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 16th day of October, 2001.

H. Doran
Witness

Brian Flannery
Witness

H. DORAN
Print name

BRIAN FLANNERY
Print name

Third Inventor's Signature: _____

State/Commonwealth

Of Massachusetts

County of Middlesex

Then personally appeared before me the above-named MARK STAPLES and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 2001.

Witness Signature

Print name

Witness Signature

Print name

Fourth Inventor's Signature: _____

State/Commonwealth
Of North Carolina

County of _____

Then personally appeared before me the above-named ERIC SHARIN and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 2001.

Witness

Print name

Witness Signature

Print name

ASSIGNMENT

WHEREAS, we, Mary DiBiase, Wen-Li Chung, Mark Staples and Eric Sharin have invented STABLE LIQUID INTERFERON FORMULATIONS described in an application for Letters Patent of the United States, the specification of which:

☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;

☒ was filed on December 23, 1997 as Application No. 09/403,930;

☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **Biogen, Inc.** ("ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **Fourteen Cambridge Center, Cambridge, Massachusetts 02142** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application including any divisions, continuations and continuations-in-part thereof, and such Letters Patent of the United States, and of foreign countries, as may issue thereon or claim priority therefrom; and in and to any and all renewals, reissues, reexaminations and extensions thereof; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent including, without limitation, any and all priority rights, convention rights and order benefits accruing or to accrue to assignee with respect to the filing of applications for patents in the United States and countries foreign thereto. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including

the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation and continuation-in-part applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

First Inventor's Signature: _____

State/Commonwealth
Of Massachusetts
County of Norfolk

Then personally appeared before me the above-named MARY DIBIASE and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 2001.

Witness

Print name

Witness

Print name

Second Inventor's Signature: _____

State/Commonwealth

Of Massachusetts

County of Middlesex

Then personally appeared before me the above-named WEN-LI CHUNG and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 2001.

Witness

Print name

Witness

Print name

Third Inventor's Signature: _____

State/Commonwealth

Of Massachusetts

County of Middlesex

Then personally appeared before me the above-named MARK STAPLES and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 20 day of October, 2001.

[Signature]
Witness Signature

CARRIE BAKER
Print name

[Signature]
Witness Signature

Lena M. Berger
Print name

Notary Public

Fourth Inventor's Signature: _____

State/Commonwealth
Of North Carolina

County of _____

Then personally appeared before me the above-named ERIC SHARIN and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 2001.

Witness

Print name

Witness Signature

Print name

ASSIGNMENT

WHEREAS, we, Mary DiBiase, Wen-Li Chung, Mark Staples and Eric Sharin have invented STABLE LIQUID INTERFERON FORMULATIONS described in an application for Letters Patent of the United States, the specification of which:

- ☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;
- ☒ was filed on December 23, 1997 as Application No. 09/403,930;
- ☐ was patented under U.S. Patent No. [] on [].

WHEREAS, **Biogen, Inc.** ("ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **Fourteen Cambridge Center, Cambridge, Massachusetts 02142** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application including any divisions, continuations and continuations-in-part thereof, and such Letters Patent of the United States, and of foreign countries, as may issue thereon or claim priority therefrom; and in and to any and all renewals, reissues, reexaminations and extensions thereof; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent including, without limitation, any and all priority rights, convention rights and order benefits accruing or to accrue to assignee with respect to the filing of applications for patents in the United States and countries foreign thereto. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including

the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation and continuation-in-part applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

First Inventor's Signature: _____

State/Commonwealth

Of Massachusetts

County of Norfolk

Then personally appeared before me the above-named MARY DIBIASE and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 2001.

Witness

Print name

Witness

Print name

Second Inventor's Signature: _____

State/Commonwealth

Of Massachusetts

County of Middlesex

Then personally appeared before me the above-named WEN-LI CHUNG and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 2001.

Witness

Print name

Witness

Print name

Third Inventor's Signature: _____

State/Commonwealth

Of Massachusetts

County of Middlesex

Then personally appeared before me the above-named MARK STAPLES and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this _____ day of _____, 2001.

Witness Signature

Print name

Witness Signature

Print name

Fourth Inventor's Signature: _____

State/Commonwealth
Of North Carolina

County of WAKE

Then personally appeared before me the above-named ERIC SHARIN and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 16 day of NOVEMBER, 2001.

[Signature]
Witness

John Kandi
Print name

[Signature]
Witness Signature

NATALIE BANKS
Print name