

PATENT ASSIGNMENT

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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>Jeffrey Browning</td> <td>03/12/2003</td> </tr> <tr> <td>Linda Burkly</td> <td>03/12/2003</td> </tr> <tr> <td>Aniela Jakubowski</td> <td>03/12/2003</td> </tr> <tr> <td>Timothy Zheng</td> <td>03/12/2003</td> </tr> </tbody> </table>		Name	Execution Date	Jeffrey Browning	03/12/2003	Linda Burkly	03/12/2003	Aniela Jakubowski	03/12/2003	Timothy Zheng	03/12/2003
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RECEIVING PARTY DATA											
Name:	Biogen, Inc.										
Street Address:	14 Cambridge Center										
City:	Cambridge										
State/Country:	MASSACHUSETTS										
Postal Code:	02142										
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>11725870</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11725870						
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Application Number:	11725870										
CORRESPONDENCE DATA											
Fax Number:	(877)769-7945										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	13751-0107002										
NAME OF SUBMITTER:	Carol Tyrrell										

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Total Attachments: 6

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PCT
ASSIGNMENT

We,

- (1) Jeffrey Browning,
- (2) Linda Burkly,
- (3) Aniela Jakubowski, and
- (4) Timothy Zheng,

residing at:

- (1) 32 Milton Road, Brookline, MA, 02146,
- (2) 34 Winthrop Street, West Newton, MA, 02465,
- (3) 151 Mystic Street, #41, Arlington, MA, 02474,
- (4) 221 Massachusetts Avenue, Apt. 1105, Boston, MA, 02115,

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to, and do hereby assign, sell and transfer to BIOGEN, INC., a corporation organized and existing under the laws of the State of Massachusetts and having an office and a place of business at 14 Cambridge Center, Cambridge, MA, 02142, its successors and assigns: (1) the entire right, title and interest in all countries throughout the world in and to any and all our inventions and discoveries disclosed in our International Patent Application, filed under the Patent Cooperation Treaty in the United States Receiving Office ("RO/US"), entitled:

TWEAK RECEPTOR AGONISTS AS ANTI-ANGIOGENIC AGENTS,

and designating Albania (AL), Algeria (DZ), Antigua & Barbuda (AG), Armenia (AM), Australia (AU), Austria (AT), Azerbaijan (AZ), Barbados (BB), Belarus (BY), Belgium (BE), Belize (BZ), Benin (BJ), Bosnia and Herzegovina (BA), Brazil (BR), Bulgaria (BG), Burkina Faso (BF), Cameroon (CM), Canada (CA), Central African Republic (CF), Chad (TD), China (CN), Colombia (CO), Congo (CG), Costa Rica (CR), Côte d'Ivoire (CI), Croatia (HR), Cuba (CU), Cyprus (CY), Czech Republic (CZ), Democratic People's Republic of Korea (KP), Denmark (DK), Dominica (DM), Ecuador (EC),

Equatorial Guinea (GQ); Estonia (EE), Finland (FI), France (FR), Gabon (GA), Gambia (GM), Georgia (GE), Germany (DE), Ghana (GH), Greece (GR), Grenada (GD), Guinea (GN), Guinea Bissau (GW), Hungary (HU), Iceland (IS), India (IN), Indonesia (ID), Ireland (IE), Israel (IL), Italy (IT), Japan (JP), Kazakstan (KZ), Kenya (KE), Kyrgyzstan (KG), Latvia (LV), Lesotho (LS), Liberia (LR), Liechtenstein (LI), Lithuania (LT), Luxembourg (LU), Madagascar (MG), former Yugoslav Republic of Macedonia (MK), Malawi (MW), Mali (ML), Mauritania (MR), Mexico (MX), Monaco (MC), Mongolia (MN), Morocco (MA), Mozambique (MZ), Netherlands (NL), New Zealand (NZ), Niger (NE), Norway (NO), Poland (PL), Portugal (PT), Republic of Korea (KR), Republic of Moldova (MD), Romania (RO), Russian Federation (RU), Saint Lucia (LC), Senegal (SN), Sierra Leone (SL), Singapore (SG), Slovakia (SK), Slovenia (SI), South Africa (ZA), Spain (ES), Sri Lanka (LK), Sudan (SD), Swaziland (SZ), Sweden (SE), Switzerland (CH), Tajikistan (TJ), Tanzania (TZ), Togo (TG), Trinidad and Tobago (TT), Turkey (TR), Turkmenistan (TM), Uganda (UG), Ukraine (UA), United Arab Emirates (AE), United Kingdom (GB), United States of America (US), Uzbekistan (UZ), Viet Nam (VN), Yugoslavia (YU), and Zimbabwe (ZW),

[subsequently identified as International Patent PCT/US01/28451, filed September 12, 2001], including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of BIOGEN, INC., its designee, or in my name at BIOGEN, INC.'s, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue on the aforesaid inventions, discoveries and applications in any country of the world and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in and to all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the following priority application(s):

<u>60/232,355</u>	<u>United States</u>	<u>September 14, 2000</u>
application no.	country	filing date

and all rights of priority in any country of the world deriving from the above-identified International Patent Application.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in any country throughout the world to BIOGEN, INC. as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of BIOGEN, INC., to execute and to deliver to BIOGEN, INC. any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree, at any time, upon request of BIOGEN, INC. to execute and to deliver to BIOGEN, INC. such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect any and all rights of BIOGEN, INC. under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

ASSIGNOR:

3/12/03
Date

Jeffrey Browning (1)
Jeffrey Browning

On this 12 day of March, 2003, Jeffrey Browning (1) personally appeared before me, a Notary Public in and for State of Massachusetts, and executed the foregoing Assignment and duly acknowledged to me that such Assignment was executed for the uses and purposes therein expressed.

Patricia A. Hefstetter
Notary Public

(Notarial Seal)

My Commission Expires:

May 19, 2006

ASSIGNOR:

March 12, 2003
Date

Linda Burkly (2)
Linda Burkly

On this 12 day of March, 2003, Linda Burkly (2) personally appeared before me, a Notary Public in and for State of Massachusetts, and executed the foregoing Assignment and duly acknowledged to me that such Assignment was executed for the uses and purposes therein expressed.

Patricia A. Hoffelle
Notary Public

(Notarial Seal)

My Commission Expires:

May 19, 2006

ASSIGNOR:

March 12, 2003
Date

Aniela Jakubowski (3)
Aniela Jakubowski

On this 12 day of March, 2003, Aniela Jakubowski (3) personally appeared before me, a Notary Public in and for State of Massachusetts, and executed the foregoing Assignment and duly acknowledged to me that such Assignment was executed for the uses and purposes therein expressed.

Patricia A. Hoffelle
Notary Public

(Notarial Seal)

My Commission Expires:

May 19, 2006

ASSIGNOR:

March 12, 2003
Date

Timothy Zheng (4)
Timothy Zheng

On this 12 day of March, 2003, Timothy Zheng (4)
personally appeared before me, a Notary Public in and for State of Massachusetts,
and executed the foregoing Assignment and duly acknowledged to me that such
Assignment was executed for the uses and purposes therein expressed.

Cathryn A. Hill

Notary Public


(Notarial Seal)

My Commission Expires:

May 19, 2006

ACKNOWLEDGEMENT OF ASSIGNEE:

BIOGEN, INC.

By: 
Name: Raymond G. Arner
Title: Vice President, Chief IP Counsel

On this 13 day of March, 2003, Raymond G. Arner personally appeared before me, a Notary Public in and for the State of Massachusetts, and duly acknowledged the executed Assignment on behalf of the Assignee.


Notary Public

(Notarial Seal)

My Commission Expires:

May 19, 2006