

04-26-2000

orney Docket No. 015270-004720US

FORM PTO-1595
(Rev. 6-93)

U.S. Department of Commerce
Patent and Trademark Office



101333902

To the Honorable Asst. Commissioner for

original documents or copy thereof

<p>1. Name of conveying party(ies): <u>4-10-00</u> Dale B. Schenk Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.</p>	<p>2. Name and address of receiving party(ies) Name: Elan Pharmaceuticals, Inc. Internal Address: Street Address: 800 F. Gateway Blvd. City: South San Francisco State: CA ZIP: 94080 Additional names and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: January 28, 1999</p>	

4. Application Number(s) or Patent Numbers.
If this document is being filed together with a new application, the execution date of the application is:
A. Patent Application No(s): 09/201,430 B. Patent No(s):
Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p>	<p>6. Total number of applications and patents involved 1</p>
<p>Name: Joe Liebeschuetz TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8th Floor San Francisco, California 94111-3834 (415) 576-0200</p>	<p>7. Total fee (37 CFR 3.41): \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge Fees to Deposit Account <input checked="" type="checkbox"/> Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account. 8 Deposit account number: 20-1430</p>

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9. Statement and signature.
To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.

Joe Liebeschuetz J. Liebeschuetz March 24, 2000
Name of Person Signing Signature Date
Atty Reg. No. 37,505 Total number of pages including cover sheet, attachments and document 3

10. Change Correspondence Address to that of Part 5? Yes No

OMB No. 0651-0011 (exp. 4/94)

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PATENT
REEL: 010721 FRAME: 0224

2-5-99

02-09-1999

Attorney Docket No. 015270-004720US

FORM PTO-1595 (Rev. 6-93) **100961783**

To the Honorable Asst. Commissioner for Patents: Please record the attached original documents or copy thereof

<p>1. Name of conveying party(ies): Dale B. Schenk</p> <p>Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.</p>	<p>2. Name and address of receiving party(ies) Name: Athena Neurosciences, Inc.</p> <p>Internal Address: Street Address: 800 Gateway Blvd.</p> <p>City: South San Francisco State: CA ZIP: 94080</p> <p>Additional names and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date:</p>	
<p>4. Application Number(s) or Patent Numbers. If this document is being filed together with a new application, the execution date of the application is:</p> <p>A. Patent Application No(s): 09/201,430 B. Patent No(s):</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: Joe Liebeschuetz TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8th Floor San Francisco, California 94111-3834 (415) 576-0200</p>	<p>6. Total number of applications and patents involved 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge Fees to Deposit Account <input checked="" type="checkbox"/> Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account. 8. Deposit account number: 20-1430</p>
DO NOT USE THIS SPACE	
<p>9. Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.</p> <p>Joe Liebeschuetz Name of Person Signing Atty Reg. No. 37,505</p> <p><i>J. Liebeschuetz</i> Signature</p> <p>Feb 27 1999 Date</p> <p>Total number of pages including cover sheet, attachments and document 3</p>	
<p>10. Change Correspondence Address to that of Part 5? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>OMB No. 0651-0011 (exp. 4/94)</p>	
<p>Do not detach this portion</p> <p>Mall documents to be recorded with required cover to: Asst. Commissioner for Patents Box: Assignments Washington, D.C. 20231</p>	

02/09/1999 14:00:00 01 FEB 1999

Date(s) of execution of Declaration: _____

Filing Date: November 30, 1998

Application No.: 09/201,430; and

WHEREAS, Elan Pharmaceuticals, Inc., located at 800 F. Gateway Blvd., South San Francisco, CA, 94080, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignor and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made.

PATENT REEL 100221 FRAME 0225

ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, Dale B. Schenk, of 1542 Los Altos Drive, Burlingame, CA 94010, US, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: PREVENTION AND TREATMENT OF
AMYLOIDOGENIC DISEASE
Date(s) of execution of Declaration: _____
Filing Date: November 30, 1998
Application No.: 09/201,430; and

WHEREAS, Elan Pharmaceuticals, Inc., located at 800 F. Gateway Blvd., South San Francisco, CA, 94080, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Dated: 1/26/98 Dale B. Schenk
Dale B. Schenk

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of San Mateo

On January 28, 1999 before me, Sandra N. Hirose
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Dale B. Schenk
Name(s) of Signer(s)

- personally known to me
- proved to me on the basis of satisfactory evidence



to be the person(s) whose name(s) is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Sandra N. Hirose
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Assignment of Patent Application

Document Date: Signed January 28, 1999 Number of Pages: 1

Signer(s) Other Than Named Above: None

Capacity(ies) Claimed by Signer(s)

Signer's Name: Dale B. Schenk

- Individual
- Corporate Officer
Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: Investor



Signer Is Representing: _____

Signer's Name: _____

- Individual
- Corporate Officer
Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing: _____

**PATENT
REEL: 010721 FRAME: 0227**



152-70-00472065
 UNITED STATES DEPARTMENT OF COMMERCE
 Patent and Trademark Office
 ASSISTANT SECRETARY AND COMMISSIONER
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MAY 05, 1999

PTAS
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 JOE LIEBESCHUETZ
 TWO EMBARCADERO CENTER, 8TH FLOOR
 SAN FRANCISCO, CA 94111-3834



100961783A

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 NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/05/1999

REEL/FRAME: 9741/0908
 NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
 SCHENK, DALE B.

DOC DATE: 01/28/1998

ASSIGNEE:
 ATHENA NEUROSCIENCES, INC.
 800 GATEWAY BLVD.
 SOUTH SAN FRANCISCO, CALIFORNIA

94080

SERIAL NUMBER: 09201430
 PATENT NUMBER:

FILING DATE: 11/30/1998
 ISSUE DATE:

TARA WASHINGTON, EXAMINER
 ASSIGNMENT DIVISION
 OFFICE OF PUBLIC RECORDS

RECEIVED
 09 MAY 17 10 09 AM '99
 TOWNSEND & CREW
 500 CALIFORNIA ST.

RECORDED: 04/10/2000

PATENT
 REEL: 010721 FRAME: 0228