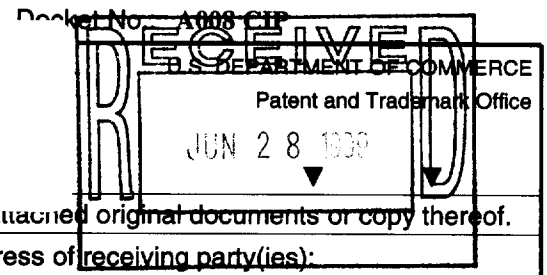


MRS  
6-28-99 RECC

07-01-1999



101080963



To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**SANICOLA-NADEL, Michele  
HESSION, Catherine  
CATE, Richard L.**  
  
Additional names(s) of conveying party(ies)  Yes  No

2. Name and address of receiving party(ies):  
  
Name: **BIOGEN, INC.**  
Internal Address: \_\_\_\_\_  
  
Street Address: **14 Cambridge Center**  
  
City: **Cambridge** State: \_\_\_\_\_ ZIP: **02142**  
  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other **Resubmittal of Document ID No.: 100998690**  
  
Execution Date: \_\_\_\_\_

4. Application number(s) or registration numbers(s):  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_  
  
A. Patent Application No.(s)  
  
U.S.S.N.  
**09/187,906**  
filed  
**11/06/98**  
  
Additional numbers attached?  Yes  No

B. Patent No.(s)  
  
**10E**

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
Name: **Gillian M. Fenton, Esq.**  
Internal Address: \_\_\_\_\_  
  
Street Address: **14 Cambridge Center**  
  
City: **Cambridge** State: **MA** ZIP: **02142**

6. Total number of applications and patents involved: **1**  
  
7. Total fee (37 CFR 3.41):.....\$ **40.00**  
 Enclosed - Any excess or insufficiency should be credited or debited to deposit account  
 Authorized to be charged to deposit account  
  
8. Deposit account number:  
**02-2327**

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01 FC:581 40.00 CH  
9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*  
  
**Gillilan M. Fenton** \_\_\_\_\_  
Name of Person Signing Signature  
  
\_\_\_\_\_  
Date  
**23 June 1999**  
**6**  
Total number of pages including cover sheet, attachments, and document:

03-26-1999



Docket No.  
A008 CIP

In Re Applicatic

100998690

SANICOLA-NADEL, Michele; CATE, Richard L.; and HESSION, Catherine

Serial No.  
09/187,906

Filing Date  
06 November 1998

Examiner

Group Art Unit  
1646

Title:

RET LIGAND (RetL) FOR STIMULATING NEURAL AND RENAL GROWTH

3-18-99

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is:

Transmittal letter, in duplicate, including Authorization to Charge Deposit Account Assignment Form

in the above identified application.

- No additional fee is required.
- A check in the amount of \_\_\_\_\_ is attached.
- The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. **02-2327** as described below. A duplicate copy of this sheet is enclosed.
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Signature

Dated: 15 March 1999

I certify that this document and fee is being deposited on \_\_\_\_\_ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

  
Signature of Person Mailing Correspondence

Margaret Apruzzese

Typed or Printed Name of Person Mailing Correspondence

CC:

**Assignment of Rights, Title and Interest in Invention  
(Multiple inventors; single assignee)**

This is an Assignment of the following rights, title and interest: (check all that apply):

- United States of America rights, title and interest in and to all inventions described in:
- All foreign rights, title and interest in and to all inventions described in:
- United States Patent Application Serial No. 09/187,906
- Date of Execution: on even date herewith
- Date of Filing: 06 November 1998
- United States Patent No(s): \_\_\_\_\_
- International (PCT) Patent Application Serial No. \_\_\_\_\_
- Other (specify) \_\_\_\_\_

**Title of the Invention**

RET LIGAND (RetL) FOR STIMULATING NEURAL AND RENAL GROWTH

**Inventors (assignors)**

NAME	ADDRESS
SANICOLA-NADEL, Michele	4 Maple Road, Winchester, Massachusetts 01890 USA
CATE, Richard L.	64 Arrowhead Road Weston, Massachusetts 02193 USA
HESSION, Catherine	35 Otis Hill Road Hingham, Massachusetts 02043 USA

**Assignee(s)**

NAME	ADDRESS
BIOGEN, INC.	14 Cambridge Center Cambridge, Massachusetts 02142 USA

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the invention(s) identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as the "Inventions");

And, whereas we desire to assign our above-identified rights, title and interest in and to all Inventions described in the above-identified patent(s) and patent application(s) to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We have and do hereby assign, sell and transfer our above-identified rights, title and interest in and to said Inventions, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee, its successors and assigns, said applications and Letters Patent to be held and enjoyed by said Assignee for its own use and on of and for its successors and assigns, 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 not been made.

And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and all competent authorities of all countries foreign thereto to issue such Letters Patent as have been or shall be granted on said Inventions to said Assignee, its successors and assigns, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application(s) for Letters Patent, and/or for obtaining any reissues, reexamination or extension of any Letters Patent which may be granted for the aforesaid Inventions, as the Assignee may from time to time require and prepare at its own expense.

It is our intention that this Assignment be effective and all rights transferred herein shall be considered to have vested in said Assignee on the filing date(s) of the above-identified patent application(s) or Letters Patent, as set forth in this Assignment.

**Notarization**

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this 8<sup>th</sup> day of MARCH, in the year 1999  
at Cambridge, MA.

*Michele Sanicola-Nadel*  
(Signature of Inventor)

State of Massachusetts

County of MIDDLESEX, SS.

Before me personally appeared Michele Sanicola-Nadel  
Who acknowledged the foregoing instrument to be a free act and deed and also  
represented that he or she is authorized to execute the same this 8<sup>th</sup> day of  
MARCH, in the year 1999

*Sandra J. Shumaker*  
(Notary Public)

**Notarization**

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this 10<sup>th</sup> day of MARCH, in the year 1999  
at Cambridge, MA.

*Richard L. Cate*  
(Signature of Inventor)

State of Massachusetts

County of MIDDLESEX, SS.

Before me personally appeared Richard L. Cate  
who acknowledged the foregoing instrument to be a free act and deed and also  
represented that he or she is authorized to execute the same this 10<sup>th</sup> day of  
MARCH, in the year 1999

*Sandra J. Shumaker*  
(Notary Public)

**Notarization**

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this 5 day of March, in the year 1999  
At Cambridge, MA.

Catherine Hession  
(Signature of Inventor)

State of Massachusetts

County of MIDDLESEX, SS.

Before me personally appeared Catherine Hession  
Who acknowledged the foregoing instrument to be a free act and deed and also  
represented that he or she is authorized to execute the same this 5<sup>th</sup> day of  
MARCH, in the year 1999.

Linda Shumaker  
(Notary Public)

**Notarization**

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this \_\_\_\_\_ day of \_\_\_\_\_, in the year \_\_\_\_\_  
At \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

State of \_\_\_\_\_

County of \_\_\_\_\_

Before me personally appeared \_\_\_\_\_  
Who acknowledged the foregoing instrument to be a free act and deed and also  
represented that he or she is authorized to execute the same this \_\_\_\_\_ day of \_\_\_\_\_  
, in the year \_\_\_\_\_

\_\_\_\_\_  
(Notary Public)

**TRANSMITTAL LETTER  
(General - Patent Pending)**

Docket No.  
A008 CIP

In Re Application Of:

**SANICOLA-NADEL, Michele; CATE, Richard L.; and HESSION, Catherine**

Serial No.  
09/187,906

Filing Date  
06 November 1998

Examiner

Group Art Unit  
1646

Title:

**RET LIGAND (RetL) FOR STIMULATING NEURAL AND RENAL GROWTH**

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is:

**Transmittal letter, including Authorization to Charge Deposit Account, (in duplicate)  
Recordation Form Cover Sheet  
Assignment Form (Resubmission of Document ID No. 100998690)**

in the above identified application.

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- A check in the amount of \_\_\_\_\_ is attached.
- The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. \_\_\_\_\_ as described below. A duplicate copy of this sheet is enclosed.
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Signature

Dated: 25 June 1999

I certify that this document and fee is being deposited on \_\_\_\_\_ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

  
Signature of Person Mailing Correspondence

**Margaret Apruzzese**

Typed or Printed Name of Person Mailing Correspondence

CC:

**TRANSMITTAL LETTER  
(General - Patent Pending)**

Docket No.  
A008 CIP

In Re Application Of:

**SANICOLA-NADEL, Michele; CATE, Richard L.; and HESSION, Catherine**

Serial No.  
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1646

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Signature of Person Mailing Correspondence

**Margaret Apruzzese**

Typed or Printed Name of Person Mailing Correspondence

CC: