

2/4/05

02-09-2005

FORM PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102936906

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

1. Name of conveying party(ies):

Ferenc L. Boldog (executed 5/5/03)
Shlomit R. Edinger (executed 4/28/03)
Valerie Gerlach (executed 4/17/03)
Linda Gorman (executed 11/24/03)
Xiaojia (Sasha) Guo (executed 4/17/03)
Tord Hjalt (executed 4/23/03)
Ramesh Kekuda (executed 4/17/03)
Li Li (executed 5/5/03)
John R. MacDougall (executed 4/17/03)
Uriel M. Malyankar (executed 4/17/03)
Isabelle Millet (executed 4/18/03)
Muralidhara Padigar (executed 4/18/03)
Meera Patturajan (executed 4/17/03)
Carol E. A. Pena (executed 4/18/03)
Luca Rastelli (executed 11/17/03)
Richard A. Shimkets (executed 4/18/03)
David J. Stone (executed 4/17/03)
Corine A. M. Vernet (executed 11/18/03)
Edward Z. Voss (executed 5/15/03)

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: See above

2. Name and address of receiving party(ies)

Name: CuraGen Corporation
Internal Address: 555 Long Wharf Drive, 9th Floor
New Haven, Connecticut 06511

Street Address: 555 Long Wharf Drive, 9th Floor
New Haven, Connecticut 06511

Additional name(s) & address(es) attached? Yes No

2005 FEB -4 PM 12:30
OPR/FINANCE

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is

A. Patent Application No.(s) 10/162,335 filed 6/3/02
B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence Concerning document should be mailed:

Name: Ivor R. Elrifi, Esq.
Address: MINTZ, LEVIN, COHN, FERRIS
GLOVSKY and POPEO, P.C.
One Financial Center
Boston, MA 02111

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41).....\$40.00

- Enclosed
- The Commissioner is authorized to charge the undersigned's Deposit Account.

8. Deposit Account No: 50-0311 (Ref. No. 21402-377B (CURA-677B))

DO NOT USE THIS SPACE

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.

Naomi S. Biswas Reg. No. 38,384

February 4, 2005

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: [105]

02/08/2005 ECDOPER 00000109 10162335
01 FC:8021 40.00 OP

ASSIGNMENT

We, **David W. Anderson, Jason C. Baumgartner, Ferenc L. Boldog, Stacie J. Casman, Shlomit R. Edinger, Esha A. Gangolli, Valerie Gerlach, Linda Gorman, Xiaojia (Sasha) Guo, Tord Hjalt, Ramesh Kekuda, Li Li, John R. MacDougall, Uriel M. Malyankar, Isabelle Millet, Muralidhara Padigaru, Meera Patturajan, Caol E. A. Pena, Luca Rastelli, Richard A. Shimkets, David J. Stone, Kimberly A. Spytek, Corine A. M. Vernet, Edward Z. Voss, and Bryan D. Zerhusen**, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to **CuraGen Corporation**, a Delaware corporation, with offices at **555 Long Wharf Drive, 11th Floor, New Haven, CT 06511** and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) my entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF USING THE SAME

filed with the U.S. Patent and Trademark Office on **June 3, 2002** and assigned Serial No. **10/162,335** 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 the ASSIGNEE, its designee, or in my name as the ASSIGNEE, 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 thereon in the United States or in any country, 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 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 above inventions, discoveries and applications.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

I agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE 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.

Filed: June 3, 2002

I further agree at any time to execute and to deliver upon request of the ASSIGNEE 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 the rights of the ASSIGNEE 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.

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: _____
Signature of: **David W. Anderson**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____

Date: _____

Signature of: Jason C. Baumgartner

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: Ferenc L. Boldog

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Stacie J. Casman

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Shlomit R. Edinger

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Esha A. Gangolli

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Valerie Gerlach

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: **Linda Gorman**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: **Xiaojia Sasha Guo**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: **Tord Hjalt**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Ramesh Kekuda

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Li Li

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: John R. MacDougall

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Uriel M. Malyankar

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Isabelle Millet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Muralidhara Padigaru

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Meera Patturajan

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: **Caol E. A. Pena**

State of _____

County of _____

Subscribed and sworn to before me this _____ day of _____.

Notary Public

My commission expires _____.

Date: 11/17/03
Signature of: **Luca Rastelli**

State of Connecticut

County of New Haven

Subscribed and sworn to before me this 17 day of November 2003.

[Signature]
Notary Public

My commission expires 2/28/04.

Date:

Signature of: Richard A. Shimkets

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: David J. Stone

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Kimberly A. Spytek

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Corine A. M. Vernet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Edward Z. Voss

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Bryan D. Zerhusen

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

ASSIGNMENT

We, **David W. Anderson, Jason C. Baumgartner, Ferenc L. Boldog, Stacie J. Casman, Shlomit R. Edinger, Esha A. Gangolli, Valerie Gerlach, Linda Gorman, Xiaojia (Sasha) Guo, Tord Hjalt, Ramesh Kekuda, Li Li, John R. MacDougall, Uriel M. Malyankar, Isabelle Millet, Muralidhara Padigaru, Meera Patturajan, Caol E. A. Pena, Luca Rastelli, Richard A. Shimkets, David J. Stone, Kimberly A. Spytek, Corine A. M. Vernet, Edward Z. Voss, and Bryan D. Zerhusen**, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to **CuraGen Corporation**, a Delaware corporation, with offices at **555 Long Wharf Drive, 11th Floor, New Haven, CT 06511** and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) my entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF USING THE SAME

filed with the U.S. Patent and Trademark Office on **June 3, 2002** and assigned Serial No. **10/162,335** 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 the ASSIGNEE, its designee, or in my name as the ASSIGNEE, 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 thereon in the United States or in any country, 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 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 above inventions, discoveries and applications.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

I agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE 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.

Filed: June 3, 2002

I further agree at any time to execute and to deliver upon request of the ASSIGNEE 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 the rights of the ASSIGNEE 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.

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date:

Signature of: **David W. Anderson**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Jason C. Baumgartner

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Ferenc L. Boldog

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Stacie J. Casman

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Shlomit R. Edinger

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: Esha A. Gangolli

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: Valerie Gerlach

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Filed: June 3, 2002

Date: 11/24/03

Linda Gorman
Signature of: Linda Gorman

State of Connecticut

County of New Haven

Subscribed and sworn to before me this 24 day of November 2003.

[Signature]
Notary Public
My commission expires 2/28/04

Date: _____
Signature of: **Xiaoja Sasha Guo**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public
My commission expires _____

Date: _____
Signature of: **Tord Hjalt**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public
My commission expires _____

Date:

Signature of: Ramesh Kekuda

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Li Li

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: John R. MacDougall

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Uriel M. Malyankar

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Isabelle Millet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: Muralidhara Padigaru

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: Meera Patturajan

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Caol E. A. Pena

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Luca Rastelli

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Richard A. Shimkets

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: David J. Stone

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Kimberly A. Spytek

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Corine A. M. Vernet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Edward Z. Voss

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Bryan D. Zerhusen

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

ASSIGNMENT

We, **David W. Anderson, Jason C. Baumgartner, Ferenc L. Boldog, Stacie J. Casman, Shlomit R. Edinger, Esha A. Gangolli, Valerie Gerlach, Linda Gorman, Xiaojia (Sasha) Guo, Tord Hjalt, Ramesh Kekuda, Li Li, John R. MacDougall, Uriel M. Malyankar, Isabelle Millet, Muralidhara Padigaru, Meera Patturajan, Caol E. A. Pena, Luca Rastelli, Richard A. Shimkets, David J. Stone, Kimberly A. Spytek, Corine A. M. Vernet, Edward Z. Voss, and Bryan D. Zerhusen**, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to **CuraGen Corporation**, a Delaware corporation, with offices at **555 Long Wharf Drive, 11th Floor, New Haven, CT 06511** and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) my entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF USING THE SAME

filed with the U.S. Patent and Trademark Office on **June 3, 2002** and assigned Serial No. **10/162,335** 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 the ASSIGNEE, its designee, or in my name as the ASSIGNEE, 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 thereon in the United States or in any country, 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 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 above inventions, discoveries and applications.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

I agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE 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.

I further agree at any time to execute and to deliver upon request of the ASSIGNEE 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 the rights of the ASSIGNEE 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.

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date:

Signature of: **David W. Anderson**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Jason C. Baumgartner

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Ferenc L. Boldog

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: Stacie J. Casman

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: Shlomit R. Edinger

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Esha A. Gangolli

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Valerie Gerlach

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: **Linda Gorman**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: **Xiaojia Sasha Guo**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: **Tord Hjalt**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Ramesh Kekuda

State of _____
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public
My commission expires _____.

Date: _____
Signature of: Li Li

State of _____
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public
My commission expires _____.

Date: _____
Signature of: John R. MacDougall

State of _____
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____ .

Date: _____
Signature of: Uriel M. Malyankar

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____ .

Date: _____
Signature of: Isabelle Millet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____ .

Date: _____
Signature of: Muralidhara Padigaru

State of _____
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public
My commission expires _____.

Date: _____
Signature of: Meera Patturajan

State of _____
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public
My commission expires _____.

Date:

Signature of: Caol E. A. Pena

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Luca Rastelli

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Richard A. Shimkets

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: David J. Stone

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Kimberly A. Spytek

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Corine A. M. Vernet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: 5/15/03

Edward Z. Voss

Signature of: Edward Z. Voss

State of Connecticut

County of New Haven

Subscribed and sworn to before me this 15 day of May 2003.

[Signature]
Notary Public

My commission expires 2/28/04

Date: _____
Signature of: Bryan D. Zerhusen

State of _____

County of _____

Subscribed and sworn to before me this _____ day of _____.

Notary Public

My commission expires _____.

ASSIGNMENT

We, **David W. Anderson, Jason C. Baumgartner, Ferenc L. Boldog, Stacie J. Casman, Shlomit R. Edinger, Esha A. Gangolli, Valerie Gerlach, Linda Gorman, Xiaojia (Sasha) Guo, Tord Hjalt, Ramesh Kekuda, Li Li, John R. MacDougall, Uriel M. Malyankar, Isabelle Millet, Muralidhara Padigaru, Meera Patturajan, Caol E. A. Pena, Luca Rastelli, Richard A. Shimkets, David J. Stone, Kimberly A. Spytek, Corine A. M. Vernet, Edward Z. Voss, and Bryan D. Zerhusen**, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to **CuraGen Corporation**, a Delaware corporation, with offices at **555 Long Wharf Drive, 11th Floor, New Haven, CT 06511** and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) my entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF USING THE SAME

filed with the U.S. Patent and Trademark Office on **June 3, 2002** and assigned Serial No. **10/162,335** 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 the ASSIGNEE, its designee, or in my name as the ASSIGNEE, 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 thereon in the United States or in any country, 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 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 above inventions, discoveries and applications.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

I agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE 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.

I further agree at any time to execute and to deliver upon request of the ASSIGNEE 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 the rights of the ASSIGNEE 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.

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date:

Signature of: David W. Anderson

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Jason C. Baumgartner

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Ferenc L. Boldog

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Stacie J. Casman

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

4/28/03

Signature of: Shlomit R. Edinger

State of Connecticut

County of New Haven

Subscribed and sworn to before me this 28 day of April 2003.

Signature of Notary Public
My commission expires 4/28/04

Date:

Signature of: Esha A. Gangolli

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: 4/17/2003

Valerie Gerlach
Signature of: Valerie Gerlach

State of Connecticut

County of New Haven

Subscribed and sworn to before me this 17 day of April 2003.

[Handwritten Signature]
Notary Public
My commission expires 2/28/04

Date:

Signature of: **Linda Gorman**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

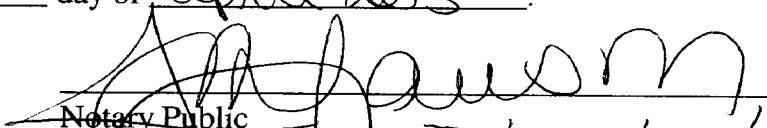
Date: ~~3~~ 4/17/03.


Signature of: **Xiaofia Sasha Guo**

State of Connecticut

County of New Haven

Subscribed and sworn to before me this 17 day of April 2003.


Notary Public
My commission expires 2/28/04

Date:

Signature of: **Tord Hjalt**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

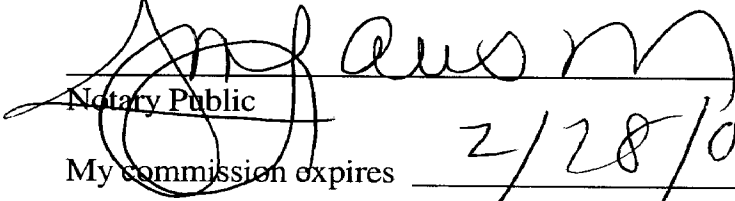
My commission expires _____.

Date: 4/17/03


Signature of: Ramesh Kekuda

State of Connecticut
County of New Haven

Subscribed and sworn to before me this 17 day of April 2003.


Notary Public
My commission expires 2/28/04

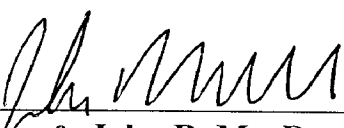
Date: _____
Signature of: Li Li

State of _____
County of _____

Subscribed and sworn to before me this ____ day of _____.

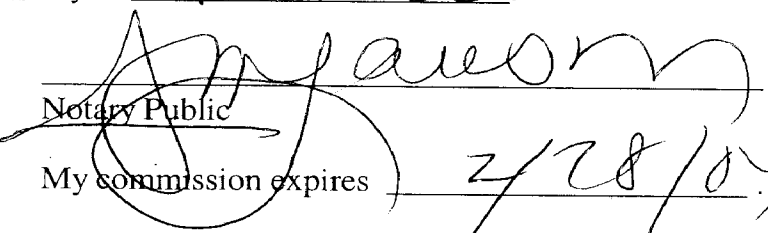
Notary Public
My commission expires _____

Date: 04/17/03


Signature of: John R. MacDougall

State of Connecticut
County of New Haven

Subscribed and sworn to before me this 17 day of April 2003.


Notary Public
My commission expires 2/28/04

Date: 4/17/03

Uriel M Malyankar

Signature of: Uriel M. Malyankar

State of Connecticut

County of New Haven

Subscribed and sworn to before me this 17 day of April 2003.

[Signature]
Notary Public

My commission expires 2/28/04.

Date: 4/18/03

Isabelle Millet

Signature of: Isabelle Millet

State of Connecticut

County of New Haven

Subscribed and sworn to before me this 18 day of April 2003.

[Signature]
Notary Public

My commission expires 2/28/04.

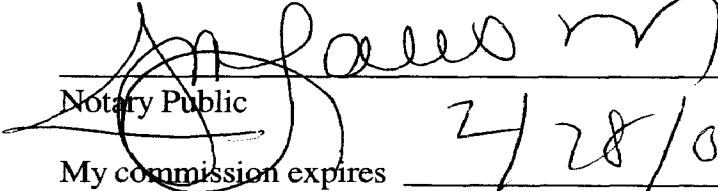
Date: 4/18/03



Signature of: **Muralidhara Padigaru**

State of Connecticut
County of New Haven

Subscribed and sworn to before me this 18 day of April 2003.



Notary Public
My commission expires 2/28/04

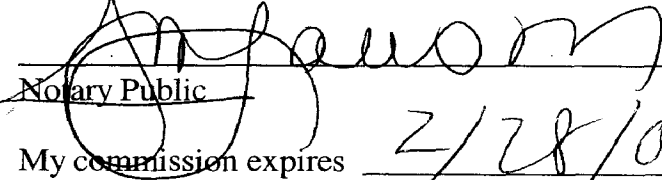
Date: 4-17-03



Signature of: **Meera Patturajan**

State of Connecticut
County of New Haven

Subscribed and sworn to before me this 17 day of April 2003.



Notary Public
My commission expires 2/28/04

Date: 4/18/03

Carol E. A. Pena

Signature of: **Carol E. A. Pena**

State of Connecticut
County of New Haven

Subscribed and sworn to before me this 18 day of April 2003.

Luca Rastelli
Notary Public
My commission expires 2/28/04

Date:

Signature of: **Luca Rastelli**

State of _____
County of _____

Subscribed and sworn to before me this _____ day of _____.

Notary Public
My commission expires _____

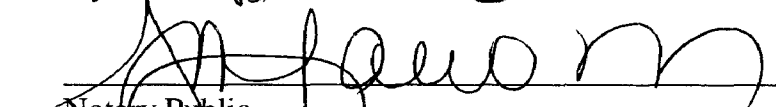
Date: 4/18/03



Signature of: **Richard A. Shimkets**

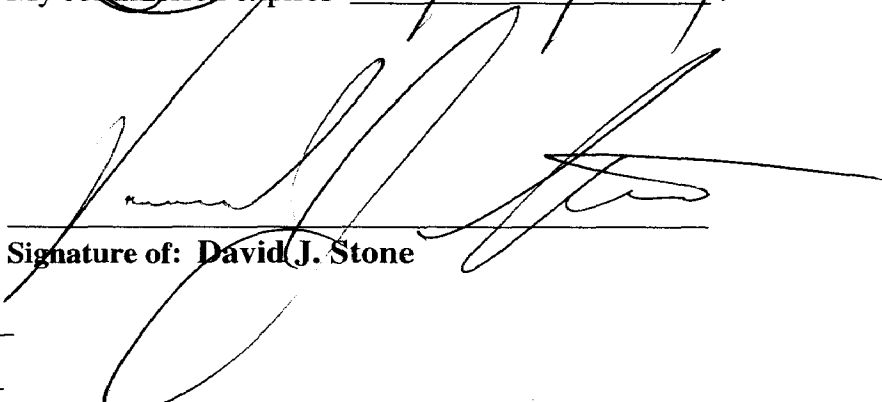
State of Connecticut
County of New Haven

Subscribed and sworn to before me this 18 day of April 2003.



Notary Public
My commission expires 2/28/04


Date: 4/17/03



Signature of: **David J. Stone**

State of Connecticut
County of New Haven

Subscribed and sworn to before me this 17 day of April 2003.



Notary Public
My commission expires 2/28/04

Date:

Signature of: Kimberly A. Spytek

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Corine A. M. Vernet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Edward Z. Voss

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Bryan D. Zerhusen

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

ASSIGNMENT

We, **David W. Anderson, Jason C. Baumgartner, Ferenc L. Boldog, Stacie J. Casman, Shlomit R. Edinger, Esha A. Gangolli, Valerie Gerlach, Linda Gorman, Xiaojia (Sasha) Guo, Tord Hjalt, Ramesh Kekuda, Li Li, John R. MacDougall, Uriel M. Malyankar, Isabelle Millet, Muralidhara Padigaru, Meera Patturajan, Caol E. A. Pena, Luca Rastelli, Richard A. Shimkets, David J. Stone, Kimberly A. Spytek, Corine A. M. Vernet, Edward Z. Voss, and Bryan D. Zerhusen**, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to **CuraGen Corporation**, a Delaware corporation, with offices at **555 Long Wharf Drive, 11th Floor, New Haven, CT 06511** and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) my entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF USING THE SAME

filed with the U.S. Patent and Trademark Office on **June 3, 2002** and assigned Serial No. **10/162,335** 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 the ASSIGNEE, its designee, or in my name as the ASSIGNEE, 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 thereon in the United States or in any country, 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 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 above inventions, discoveries and applications.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

I agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE 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.

I further agree at any time to execute and to deliver upon request of the ASSIGNEE 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 the rights of the ASSIGNEE 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.

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: _____
Signature of: David W. Anderson

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Jason C. Baumgartner

State of _____

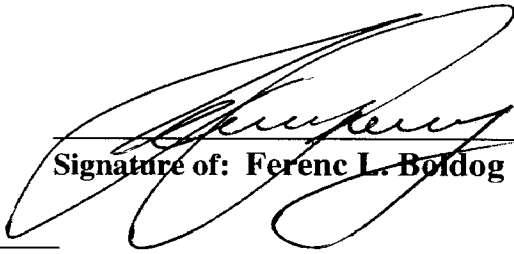
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: 5/5/03

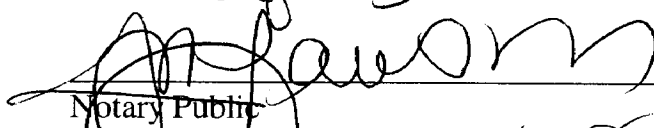


Signature of: Ferenc L. Boldog

State of Connecticut

County of New Haven

Subscribed and sworn to before me this 5 day of May 2003.



Notary Public

My commission expires 2/28/04

Date:

Signature of: Stacie J. Casman

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Shlomit R. Edinger

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Esha A. Gangolli

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Valerie Gerlach

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Linda Gorman

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Xiaojia Sasha Guo

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Tord Hjalt

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: **Ramesh Kekuda**

State of _____


County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: 5/15/03



Signature of: **Li Li**

State of Connecticut

County of New Haven

Subscribed and sworn to before me this 5 day of May 2003.



Notary Public

My commission expires 2/28/04.

Date: _____
Signature of: **John R. MacDougall**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____ .

Date: _____

Signature of: Uriel M. Malyankar

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____ .

Date: _____

Signature of: Isabelle Millet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____ .

Date: _____
Signature of: Muralidhara Padigaru

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Meera Patturajan

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Caol E. A. Pena

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Luca Rastelli

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Richard A. Shimkets

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: David J. Stone

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Kimberly A. Spytek

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Corine A. M. Vernet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Edward Z. Voss

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Bryan D. Zerhusen

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

ASSIGNMENT

We, **David W. Anderson, Jason C. Baumgartner, Ferenc L. Boldog, Stacie J. Casman, Shlomit R. Edinger, Esha A. Gangolli, Valerie Gerlach, Linda Gorman, Xiaojia (Sasha) Guo, Tord Hjalt, Ramesh Kekuda, Li Li, John R. MacDougall, Uriel M. Malyankar, Isabelle Millet, Muralidhara Padigaru, Meera Patturajan, Caol E. A. Pena, Luca Rastelli, Richard A. Shimkets, David J. Stone, Kimberly A. Spytek, Corine A. M. Vernet, Edward Z. Voss, and Bryan D. Zerhusen**, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to **CuraGen Corporation**, a Delaware corporation, with offices at **555 Long Wharf Drive, 11th Floor, New Haven, CT 06511** and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) my entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF USING THE SAME

filed with the U.S. Patent and Trademark Office on **June 3, 2002** and assigned Serial No. **10/162,335** 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 the ASSIGNEE, its designee, or in my name as the ASSIGNEE, 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 thereon in the United States or in any country, 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 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 above inventions, discoveries and applications.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

I agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE 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.

I further agree at any time to execute and to deliver upon request of the ASSIGNEE 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 the rights of the ASSIGNEE 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.

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date:

Signature of: David W. Anderson

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: **Jason C. Baumgartner**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: **Ferenc L. Boldog**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Stacie J. Casman

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Shlomit R. Edinger

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Esha A. Gangolli

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Valerie Gerlach

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Filed: June 3, 2002

Date:

Signature of: **Linda Gorman**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: **Xiaojia Sasha Guo**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

4/23/03

Signature of: **Tord Hjalt**

State of Connecticut

County of New Haven

Subscribed and sworn to before me this 23 day of April 2003.

Notary Public

My commission expires 4/28/04.

Date: _____

Signature of: Ramesh Kekuda

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: Li Li

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: John R. MacDougall

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Uriel M. Malyankar

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Isabelle Millet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Muralidhara Padigaru

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Meera Patturajan

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Caol E. A. Pena

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Luca Rastelli

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Richard A. Shimkets

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: David J. Stone

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Kimberly A. Spytek

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Corine A. M. Vernet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Edward Z. Voss

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Bryan D. Zerhusen

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

ASSIGNMENT

We, **David W. Anderson, Jason C. Baumgartner, Ferenc L. Boldog, Stacie J. Casman, Shlomit R. Edinger, Esha A. Gangolli, Valerie Gerlach, Linda Gorman, Xiaojia (Sasha) Guo, Tord Hjalt, Ramesh Kekuda, Li Li, John R. MacDougall, Uriel M. Malyankar, Isabelle Millet, Muralidhara Padigaru, Meera Patturajan, Caol E. A. Pena, Luca Rastelli, Richard A. Shimkets, David J. Stone, Kimberly A. Spytek, Corine A. M. Vernet, Edward Z. Voss, and Bryan D. Zerhusen**, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to **CuraGen Corporation**, a Delaware corporation, with offices at **555 Long Wharf Drive, 11th Floor, New Haven, CT 06511** and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) my entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF USING THE SAME

filed with the U.S. Patent and Trademark Office on **June 3, 2002** and assigned Serial No. **10/162,335** 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 the ASSIGNEE, its designee, or in my name as the ASSIGNEE, 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 thereon in the United States or in any country, 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 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 above inventions, discoveries and applications.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

I agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE 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.

Filed: June 3, 2002

I further agree at any time to execute and to deliver upon request of the ASSIGNEE 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 the rights of the ASSIGNEE 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.

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date:

Signature of: David W. Anderson

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Jason C. Baumgartner

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Ferenc L. Boldog

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: Stacie J. Casman

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____

Signature of: Shlomit R. Edinger

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Esha A. Gangolli

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Valerie Gerlach

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Linda Gorman

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Xiaojia Sasha Guo

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Tord Hjalt

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Ramesh Kekuda

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Li Li

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: John R. MacDougall

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____ .

Date: _____
Signature of: Uriel M. Malyankar

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____ .

Date: _____
Signature of: Isabelle Millet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____ .

Date: _____
Signature of: Muralidhara Padigaru

State of _____
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public
My commission expires _____.

Date: _____
Signature of: Meera Patturajan

State of _____
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public
My commission expires _____.

Date: _____
Signature of: Caol E. A. Pena

State of _____
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public
My commission expires _____.

Date: _____
Signature of: Luca Rastelli

State of _____
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public
My commission expires _____.

Date:

Signature of: Richard A. Shimkets

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: David J. Stone

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: **Kimberly A. Spytek**

State of _____

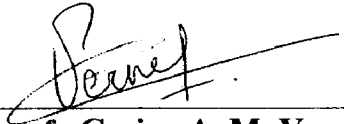
County of _____

Subscribed and sworn to before me this _____ day of _____.

Notary Public

My commission expires _____.

Date: 11/18/03

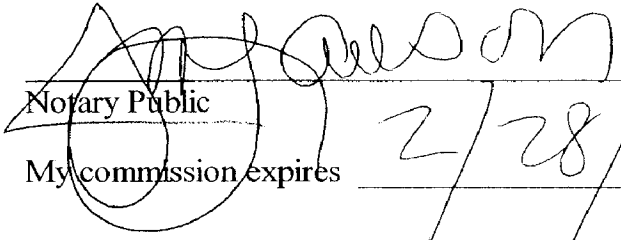


Signature of: **Corine A. M. Vernet**

State of Connecticut

County of New Haven

Subscribed and sworn to before me this 18 day of November 2003



Notary Public

My commission expires 2/28/03.

Date: _____
Signature of: Edward Z. Voss

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Bryan D. Zerhusen

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

ASSIGNMENT

We, **David W. Anderson, Jason C. Baumgartner, Ferenc L. Boldog, Stacie J. Casman, Shlomit R. Edinger, Esha A. Gangolli, Valerie Gerlach, Linda Gorman, Xiaojia (Sasha) Guo, Tord Hjalt, Ramesh Kekuda, Li Li, John R. MacDougall, Uriel M. Malyankar, Isabelle Millet, Muralidhara Padigaru, Meera Patturajan, Caol E. A. Pena, Luca Rastelli, Richard A. Shimkets, David J. Stone, Kimberly A. Spytek, Corine A. M. Vernet, Edward Z. Voss, and Bryan D. Zerhusen**, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to **CuraGen Corporation**, a Delaware corporation, with offices at **555 Long Wharf Drive, 11th Floor, New Haven, CT 06511** and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) my entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF USING THE SAME

filed with the U.S. Patent and Trademark Office on **June 3, 2002** and assigned Serial No. **10/162,335** 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 the ASSIGNEE, its designee, or in my name as the ASSIGNEE, 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 thereon in the United States or in any country, 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 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 above inventions, discoveries and applications.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

I agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE 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.

Filed: June 3, 2002

I further agree at any time to execute and to deliver upon request of the ASSIGNEE 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 the rights of the ASSIGNEE 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.

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: _____
Signature of: David W. Anderson

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Jason C. Baumgartner

State of _____

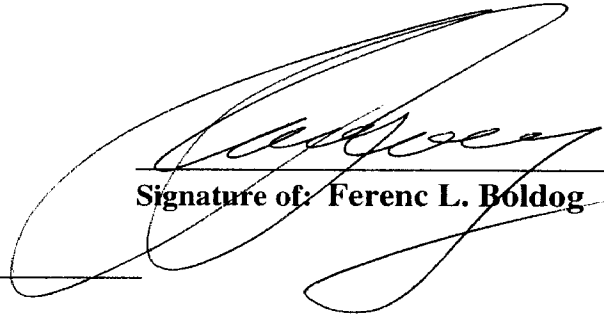
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: 11/17/03

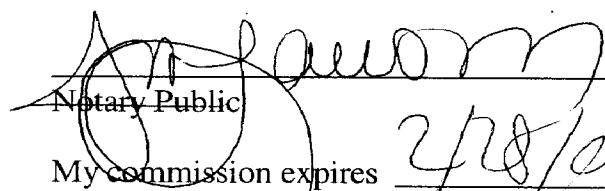


Signature of: Ferenc L. Boldog

State of Connecticut

County of New Haven

Subscribed and sworn to before me this 17 day of November 2003.



Notary Public
My commission expires 2/28/04

Date: _____
Signature of: Stacie J. Casman

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Shlomit R. Edinger

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Esha A. Gangolli

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Valerie Gerlach

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: **Linda Gorman**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: **Xiaojia Sasha Guo**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: **Tord Hjalt**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Ramesh Kekuda

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Li Li

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: John R. MacDougall

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Uriel M. Malyankar

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Isabelle Millet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Muralidhara Padigaru

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: Meera Patturajan

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Caol E. A. Pena

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Luca Rastelli

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: **Richard A. Shimkets**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date: _____
Signature of: **David J. Stone**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Kimberly A. Spytek

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Corine A. M. Vernet

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Edward Z. Voss

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.

Date:

Signature of: Bryan D. Zerhusen

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.