

09-23-1999

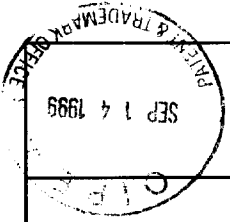
Express Mail No. EM 490 493 470 US



EET

101152277

Attorney Docket Number
7934-092



TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
Box Assignment
Washington, DC 20231

9.14.99

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): John W. Simpson, Jonathan M. Rothberg, Gregory T. Went, Marie Carmen Ruiz-Martinez, and Gregory T. Mulhern Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: <u>CuraGen Corporation</u> Address: <u>555 Long Wharf Drive, 11th Floor</u> <u>New Haven, Connecticut 06511</u> Country (if other than USA): _____	
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: <u>August 16, 1999 by John W. Simpson;</u> <u>August 20, 1999 by Jonathan M. Rothberg; August</u> <u>18, 1999 by Gregory T. Went; August 30, 1999 by</u> <u>Marie Carmen Ruiz-Martinez; and August 24, 1999</u> <u>by Gregory T. Mulhern</u>			
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) <u>09/336,848</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: PENNIE & EDMONDS LLP 1155 Avenue of the Americas New York, NY 10036		6. Number of applications and patents involved: <u>One</u>	
09/20/1999 JSHABAZZ 00000026 161150 09336848 01 FC:581 40.00 CH		7. Total fee (37 CFR 3.41):.....\$ <u>40.00</u> Please charge to the deposit account listed in Section 8.	
		8. Deposit account number: <u>16-1150</u>	

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.

Adriane M. Antler 32,605
Name of Person Signing Reg. No.

Adriane M. Antler
Signature

September 14, 1999
Date

Total number of pages including cover sheet:

11

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignment
Washington, D.C. 20231

PATENT
REEL: 010248 FRAME: 0744

NY2 - 996804.1

JWS 8/16/99 JOINT

ASSIGNMENT

23 Woodland Rd. Suite B4, Madison, CT 06443

WHEREAS, WE, John W. Simpson, residing at ~~12 Academy Street, Apt. 2A, New Haven, Connecticut 06511;~~ Jonathan M. Rothberg, residing at 1701 Moose Hill Road, Guilford, Connecticut 06437; Gregory T. Went, residing at 34 Scotland Avenue, Madison, Connecticut 06443; Marie Carmen Ruiz-Martinez, residing at 675 Townsend Avenue, New Haven, Connecticut 06511; and Gregory T. Mulhern, residing at 45 Harrison Avenue, Branford, Connecticut 06405, ASSIGNORS, all citizens of the United States, are the inventors of the invention in APPARATUS AND METHOD FOR THE GENERATION, SEPARATION, DETECTION, AND RECOGNITION OF BIOPOLYMER FRAGMENTS for which we have executed an application for a Patent of the United States

- which is executed on even date herewith or _____
- which is identified by Pennie & Edmonds LLP docket no. 7934-092
- which was filed on June 21, 1999, Application No. 09/336,848

and WHEREAS, CURAGEN CORPORATION, ASSIGNEE, a corporation organized and existing under the laws of the State of Delaware, having an address at 555 Long Wharf Drive, 11th Floor, New Haven, Connecticut 06511, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date August 16, 1999 John W. Simpson L.S.

Date _____, 1999 Jonathan M. Rothberg L.S.

Date _____, 1999 Gregory T. Went L.S.

Date _____, 1999 Marie Carmen Ruiz-Martinez L.S.

Date _____, 1999 Gregory T. Mulhern L.S.

State of CONNECTICUT) SS.:
County of New Haven)

On this 16 day of August, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared John W. Simpson *John W. Simpson*, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Jenell Marie Lawson

Notary Public.

JENELL MARIE LAWSON
NOTARY PUBLIC
MY COMMISSION EXPIRES FEB. 28, 2004

State of _____)
County of _____) SS.:

On this _____ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Jonathan M. Rothberg, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

State of _____)
County of _____) SS.:

On this _____ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Gregory T. Went, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

State of _____)
County of _____) SS.:

On this _____ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Marie Carmen Ruiz-Martinez, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and she acknowledged the same to be her free act and deed.

Notary Public.

State of _____)
County of _____) SS.:

On this _____ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Gregory T. Mulhern, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

ASSIGNMENT

WHEREAS, WE, **John W. Simpson**, residing at 12 Academy Street, Apt. 2A, New Haven, Connecticut 06511; **Jonathan M. Rothberg**, residing at 1701 Moose Hill Road, Guilford, Connecticut 06437; **Gregory T. Went**, residing at 34 Scotland Avenue, Madison, Connecticut 06443; **Marie Carmen Ruiz-Martinez**, residing at 675 Townsend Avenue, New Haven, Connecticut 06511; and **Gregory T. Mulhern**, residing at 45 Harrison Avenue, Branford, Connecticut 06405, ASSIGNORS, all citizens of the United States, are the inventors of the invention in **APPARATUS AND METHOD FOR THE GENERATION, SEPARATION, DETECTION, AND RECOGNITION OF BIOPOLYMER FRAGMENTS** for which we have executed an application for a Patent of the United States

which is executed on even date herewith or _____

which is identified by Pennie & Edmonds LLP docket no. 7934-092
 which was filed on June 21, 1999, Application No. 09/336,848

and WHEREAS, **CURAGEN CORPORATION**, ASSIGNEE, a corporation organized and existing under the laws of the State of Delaware, having an address at 555 Long Wharf Drive, 11th Floor, New Haven, Connecticut 06511, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

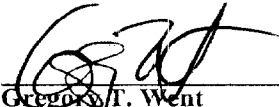
AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date _____, 1999 _____ L.S.
John W. Simpson

Date _____, 1999 _____ L.S.
Jonathan M. Rothberg

Date 8/18, 1999 _____ L.S.

Gregory T. Went

Date _____, 1999 _____ L.S.
Marie Carmen Ruiz-Martinez

Date _____, 1999 _____ L.S.
Gregory T. Mulhern

State of)
County of) SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared John W. Simpson to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

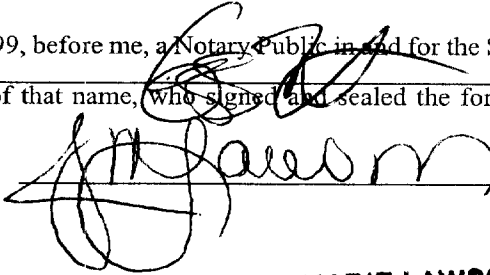
State of)
County of) SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Jonathan M. Rothberg to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

State of CT)
County of New Haven) SS.:

On this 18 day of August, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Gregory T. Went to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.



Notary Public.

JENELL MARIE LAWSON
NOTARY PUBLIC
MY COMMISSION EXPIRES FEB. 28, 2004

State of)
County of) SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Marie Carmen Ruiz-Martinez to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and she acknowledged the same to be her free act and deed.

Notary Public.

State of)
County of) SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Gregory T. Mulhern to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

ASSIGNMENT

WHEREAS, WE, **John W. Simpson**, residing at 12 Academy Street, Apt. 2A, New Haven, Connecticut 06511; **Jonathan M. Rothberg**, residing at 1701 Moose Hill Road, Guilford, Connecticut 06437; **Gregory T. Went**, residing at 34 Scotland Avenue, Madison, Connecticut 06443; **Marie Carmen Ruiz-Martinez**, residing at 675 Townsend Avenue, New Haven, Connecticut 06511; and **Gregory T. Mulhern**, residing at 45 Harrison Avenue, Branford, Connecticut 06405, ASSIGNORS, all citizens of the United States, are the inventors of the invention in **APPARATUS AND METHOD FOR THE GENERATION, SEPARATION, DETECTION, AND RECOGNITION OF BIOPOLYMER FRAGMENTS** for which we have executed an application for a Patent of the United States

- which is executed on even date herewith or _____
- which is identified by Pennie & Edmonds LLP docket no. 7934-092
- which was filed on June 21, 1999, Application No. 09/336,848

and WHEREAS, **CURAGEN CORPORATION**, ASSIGNEE, a corporation organized and existing under the laws of the State of Delaware, having an address at 555 Long Wharf Drive, 11th Floor, New Haven, Connecticut 06511, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

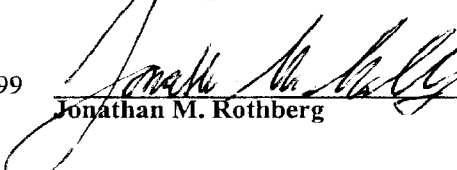
AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date _____, 1999 _____ L.S.
John W. Simpson

Date August 20, 1999 _____ L.S.

Jonathan M. Rothberg

Date _____, 1999 _____ L.S.
Gregory T. Went

Date _____, 1999 _____ L.S.
Marie Carmen Ruiz-Martinez

Date _____, 1999 _____ L.S.
Gregory T. Mulhern

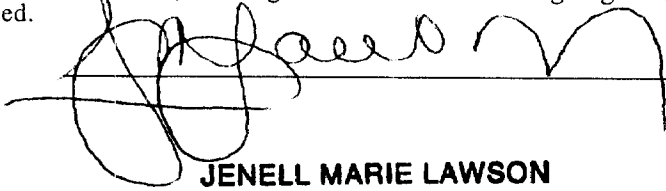
State of)
County of) SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared John W. Simpson to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

State of CONNECTICUT
County of New Haven SS.:

On this 20 day of August, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Jonathan M Rothberg to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.



Notary Public.

JENELL MARIE LAWSON
NOTARY PUBLIC
MY COMMISSION EXPIRES FEB. 28, 2004

State of)
County of) SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Gregory T. Went to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

State of)
County of) SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Marie Carmen Ruiz-Martinez to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and she acknowledged the same to be her free act and deed.

Notary Public.

State of)
County of) SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Gregory T. Mulhern to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

ASSIGNMENT

WHEREAS, WE, **John W. Simpson**, residing at 12 Academy Street, Apt. 2A, New Haven, Connecticut 06511; **Jonathan M. Rothberg**, residing at 1701 Moose Hill Road, Guilford, Connecticut 06437; **Gregory T. Went**, residing at 34 Scotland Avenue, Madison, Connecticut 06443; **Marie Carmen Ruiz-Martinez**, residing at 675 Townsend Avenue, New Haven, Connecticut 06511; and **Gregory T. Mulhern**, residing at 45 Harrison Avenue, Branford, Connecticut 06405, ASSIGNORS, all citizens of the United States, are the inventors of the invention in **APPARATUS AND METHOD FOR THE GENERATION, SEPARATION, DETECTION, AND RECOGNITION OF BIOPOLYMER FRAGMENTS** for which we have executed an application for a Patent of the United States

which is executed on even date herewith or _____

which is identified by Pennie & Edmonds LLP docket no. 7934-092

which was filed on June 21, 1999, Application No. 09/336,848

and WHEREAS, **CURAGEN CORPORATION**, ASSIGNEE, a corporation organized and existing under the laws of the State of Delaware, having an address at 555 Long Wharf Drive, 11th Floor, New Haven, Connecticut 06511, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date _____, 1999 _____ L.S.
John W. Simpson

Date _____, 1999 _____ L.S.
Jonathan M. Rothberg

Date _____, 1999 _____ L.S.
Gregory T. Went

Date _____, 1999 _____ L.S.
Marie Carmen Ruiz-Martinez

Date August 24, 1999 _____ L.S.

Gregory T. Mulhern

State of)
County of) SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared John W. Simpson to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

State of)
County of) SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Jonathan M. Rothberg to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

State of)
County of) SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Gregory T. Went to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

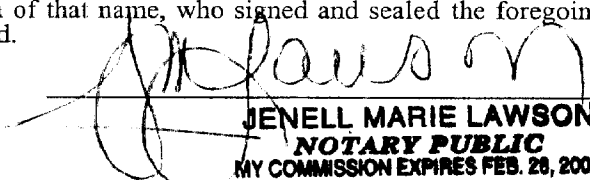
State of)
County of) SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Marie Carmen Ruiz-Martinez to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and she acknowledged the same to be her free act and deed.

Notary Public.

State of Connecticut
County of New Haven) SS.:

On this 24 day of August, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Gregory T. Mulhern to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.



JENELL MARIE LAWSON Notary Public.
NOTARY PUBLIC
MY COMMISSION EXPIRES FEB. 28, 2004

ASSIGNMENT

WHEREAS, WE, John W. Simpson, residing at 12 Academy Street, Apt. 2A, New Haven, Connecticut 06511; Jonathan M. Rothberg, residing at 1701 Moose Hill Road, Guilford, Connecticut 06437; Gregory T. Went, residing at 34 Scotland Avenue, Madison, Connecticut 06443; Marie Carmen Ruiz-Martinez, residing at 675 Townsend Avenue, New Haven, Connecticut 06511; and Gregory T. Mulhern, residing at 45 Harrison Avenue, Branford, Connecticut 06405, ASSIGNORS, all citizens of the United States, are the inventors of the invention in APPARATUS AND METHOD FOR THE GENERATION, SEPARATION, DETECTION, AND RECOGNITION OF BIOPOLYMER FRAGMENTS for which we have executed an application for a Patent of the United States

which is executed on even date herewith or _____

which is identified by Pennie & Edmonds LLP docket no. 7934-092
 which was filed on June 21, 1999, Application No. 09/336,848

and WHEREAS, CURAGEN CORPORATION, ASSIGNEE, a corporation organized and existing under the laws of the State of Delaware, having an address at 555 Long Wharf Drive, 11th Floor, New Haven, Connecticut 06511, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date _____, 1999 _____ L.S.
John W. Simpson

Date _____, 1999 _____ L.S.
Jonathan M. Rothberg

Date _____, 1999 _____ L.S.
Gregory T. Went

Date August 30, 1999 _____ L.S.

Marie Carmen Ruiz-Martinez

Date _____, 1999 _____ L.S.
Gregory T. Mulhern

State of)
County of } SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared John W. Simpson to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

State of)
County of } SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Jonathan M. Rothberg to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

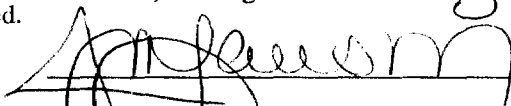
State of)
County of } SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Gregory T. Went to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.

State of CT)
County of New Haven } SS.:

On this 30 day of August, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Marie Carmen Ruiz-Martinez to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and she acknowledged the same to be her free act and deed.



Notary Public.

JENELL MARIE LAWSON
NOTARY PUBLIC
MY COMMISSION EXPIRES FEB. 28, 2004

State of)
County of } SS.:

On this ___ day of _____, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Gregory T. Mulhern to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public.