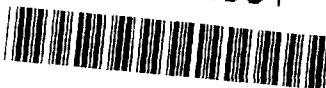


REC

10-25-2001



101886519

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

ET

10-22-01

Attorney Docket No.: 044574-5054-US

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

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

Kathryn G. KLEMIC, executed on March 20, 2001
James F. KLEMIC, executed on March 22, 2001
Mark A. REED, executed on April 12, 2001
Frederick J. SIGWORTH, executed on April 6, 2001

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

2. Name and address of receiving party(ies):

Name: Yale University

Internal Address:

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Street Address: 451 College Street

City: New Haven

State: CT Zip: 06520

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

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) 09/780,630

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☐ No

406

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

Name: Mr. Reid G. Adler
Internal Address: Customer No. 09629
Morgan, Lewis & Bockius LLP

Street Address: 1800 M Street, N.W.
City: Washington State: D.C. Zip: 20036

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account 50-0310

8. Deposit account number: 50-0310

Attach duplicate of page if paying by deposit account

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.

Sally P. Teng, Reg. No. 45,397
Name of Person Signing

Signature

October 22, 2001
Date

Total number of pages including cover sheet, attachments and documents: 9

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

for which I/WE executed an application for United States Letters Patent concurrently herewith; or on _____; or filed an application for United States Letters Patent on February 12, 2001, (Serial No. _____); and

WHEREAS, Yale University, a corporation of Connecticut, whose post office address is 451 College Street, New Haven, Connecticut 06520 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/780,630 filed February 12, 2001) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

County of <u>NEW HAVEN</u>	<u>Kathryn G. Klemic</u> Full Name of Sole or First Assignor
State of <u>CONNECTICUT</u>	<u>260 Willow St, New Haven, CT 06511</u> Address
SS.	<u>Kathryn G. Klemic</u> First Assignor's Signature
Subscribed and sworn to before me this <u>20</u> day of <u>MARCH</u> , 2001.	<u>March 20, 2001</u> Date
<u>[Signature]</u> Notary Public <u>MY COMMISSION EXPIRES 10/31/03</u>	
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

County of _____

State of _____

Subscribed and sworn to before me
this __ day of _____, 20__.

Notary Public

James F. Klemic

Full Name of Second Assignor

260 Willow Street, New Haven, CT 06511

SS.

Address

Second Assignor's Signature

Date

County of _____

State of _____

Subscribed and sworn to before me
this __ day of _____, 20__.

Notary Public

Mark A. Reed

Full Name of Third Assignor

129 Guinea Road, Monroe, CT 06468

SS.

Address

Third Assignor's Signature

Date

County of _____

State of _____

Subscribed and sworn to before me
this __ day of _____, 20__.

Notary Public

Frederick J. Sigworth

Full Name of Forth Assignor

138 Vineyard Road, Hamden, CT 06517

SS.

Address

Forth Assignor's Signature

Date

Names of additional inventors attached [] Yes [X] No

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

for which I/WE executed an application for United States Letters Patent concurrently herewith; or on _____; or filed an application for United States Letters Patent on February 12, 2001, (Serial No. _____); and

WHEREAS, Yale University, a corporation of Connecticut, whose post office address is 451 College Street, New Haven, Connecticut 06520 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/780,630, filed February 12, 2001) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

County of _____	<u>Kathryn G. Klemic</u> Full Name of Sole or First Assignor
State of _____	<u>260 Willow St, New Haven, CT 06511</u> Address
SS.	
Subscribed and sworn to before me this ____ day of _____, 20__.	_____ First Assignor's Signature
_____ Notary Public	_____ Date
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

County of New Haven

State of Connecticut

Subscribed and sworn to before me
this 22 day of March, 2001.

[Signature] Notary Public

James F. Klemic

Full Name of Second Assignor

260 Willow Street, New Haven, CT 06511

SS.

Address

James F. Klemic

Second Assignor's Signature

March 22, 2001

Date

County of _____

State of _____

Subscribed and sworn to before me
this ___ day of _____, 20__.

Notary Public

Mark A. Reed

Full Name of Third Assignor

129 Guinea Road, Monroe, CT 06468

SS.

Address

Third Assignor's Signature

Date

County of _____

State of _____

Subscribed and sworn to before me
this ___ day of _____, 20__.

Notary Public

Frederick J. Sigworth

Full Name of Forth Assignor

138 Vineyard Road, Hamden, CT 06517

SS.

Address

Forth Assignor's Signature

Date

Names of additional inventors attached [] Yes [X] No

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

for which I/WE executed an application for United States Letters Patent concurrently herewith; or on _____; or filed an application for United States Letters Patent on February 12, 2001, (Serial No. _____); and

WHEREAS, Yale University, a corporation of Connecticut, whose post office address is 451 College Street, New Haven, Connecticut 06520 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/780,630, filed February 12, 2001) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

County of _____

State of _____

Subscribed and sworn to before me
this ____ day of _____, 20__.

Notary Public

Kathryn G. Klemic
Full Name of Sole or First Assignor

SS. 260 Willow St, New Haven, CT 06511
Address

First Assignor's Signature

Date

Names of additional inventors attached ☒ Yes ☐ No

County of _____

State of _____

James F. Klemic

Full Name of Second Assignor

260 Willow Street, New Haven, CT 06511

Address

SS.

Subscribed and sworn to before me
this ____ day of _____, 20__.

Second Assignor's Signature

Notary Public

Date

County of New Haven

State of Connecticut

Mark A. Reed

Full Name of Third Assignor

129 Guinea Road, Monroe, CT 06468

Address

SS.

Subscribed and sworn to before me
this 12 day of April, 2001.

Third Assignor's Signature

Notary Public

DOROTHY K. CHAMBERS
NOTARY PUBLIC
MY COMMISSION EXPIRES MAY 01, 2005

APRIL 12, 2001
Date

County of _____

State of _____

Frederick J. Sigworth

Full Name of Forth Assignor

138 Vineyard Road, Hamden, CT 06517

Address

SS.

Subscribed and sworn to before me
this ____ day of _____, 20__.

Forth Assignor's Signature

Notary Public

Date

Names of additional inventors attached [] Yes [X] No

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

for which I/WE executed an application for United States Letters Patent concurrently herewith; or on _____; or filed an application for United States Letters Patent on February 12, 2001, (Serial No. _____); and

WHEREAS, Yale University, a corporation of Connecticut, whose post office address is 451 College Street, New Haven, Connecticut 06520 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/780,630 filed February 12, 2001) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

County of _____	<u>Kathryn G. Klemic</u> Full Name of Sole or First Assignor
State of _____	<u>260 Willow St, New Haven, CT 06511</u> Address
SS. _____	_____
Subscribed and sworn to before me this __ day of _____, 20__.	_____
_____ Notary Public	_____
	Date
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

County of _____

State of _____

Subscribed and sworn to before me
this ____ day of _____, 20__.

Notary Public

James F. Klemic

Full Name of Second Assignor

260 Willow Street, New Haven, CT 06511

SS.

Address

Second Assignor's Signature

Date

County of _____

State of _____

Subscribed and sworn to before me
this ____ day of _____, 20__.

Notary Public

Mark A. Reed

Full Name of Third Assignor

129 Guinea Road, Monroe, CT 06468

SS.

Address

Third Assignor's Signature

Date

County of NEW HAVEN

State of CONNECTICUT

Subscribed and sworn to before me
this 6th day of APRIL, 2001.

Joseph P. Pate Notary Public

MY COMMISSION EXPIRES 10/31/03

Frederick J. Sigworth

Full Name of Forth Assignor

138 Vineyard Road, Hamden, CT 06517

SS.

Address

F. J. Sigworth
Forth Assignor's Signature

4/6/2001
Date

Names of additional inventors attached [] Yes [X] No