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PATENT

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- U.S. Government
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Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Name	Execution Date		
	Month	Day	Year
Kenneth C. Wu	03	09	04
Eugene A. Fitzgerald	11	07	03
Gianni Taraschi	11	20	03
	/	/	
	/	/	

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) Massachusetts Institute of Technology

Name (line 2)

Address (line 1) 77 Massachusetts Avenue

Address (line 2)

Address (line 3) Cambridge MA 02139

City State/Country Zip Code

10021 M 7:55
OPR/FINANCE

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

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PATENT
REEL: 015157 FRAME: 0761

Correspondent Name and Address

Area Code and Telephone Number (617) 248-7000

Name Patent Administrator

Address (line 1) Testa, Hurwitz & Thibault, LLP

Address (line 2) High Street Tower

Address (line 3) 125 High Street

Address (line 4) Boston, MA 02110

Pages Enter the total number of pages of the attached conveyance document including any attachments.

9

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

	10/603,852	

Patent Number(s)

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT		PCT		PCT	
PCT		PCT		PCT	

Number of Properties

Enter the total number of properties involved.

One

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

Method of Payment: Enclosed ☒Deposit Account ☐

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account)

Deposit Account Number

20-0531

Authorization to charge additional fees:

Yes ☒ No ☐

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. Charges to deposit account are authorized, as indicated herein.

Natasha C. Us, Reg. No. 44,381

Name of Person Signing



Signature

3-29-04

Date

ASSIGNMENT

WHEREAS, We, Kenneth C. Wu, Eugene A. Fitzgerald, Gianni Taraschi, and Jeffrey T. Borenstein, have invented one or more inventions described in an application for Letters Patent of the United States entitled:

ETCH STOP LAYER SYSTEM

and identified by

Serial No. 09/599,260 filed in the United States Patent Office on June 22, 2000; and

WHEREAS, Massachusetts Institute of Technology (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 77 Massachusetts Avenue, Cambridge, MA 02139, desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, continuations-in-part, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

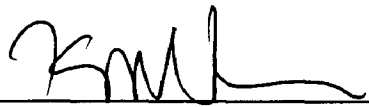
AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, continuation-in-part, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

AND, we hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;


AND, we hereby authorize and request the Director of the United States Patent and Trademark Office to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

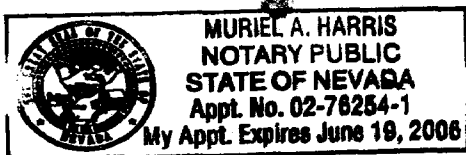
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals on the date(s) set forth below.

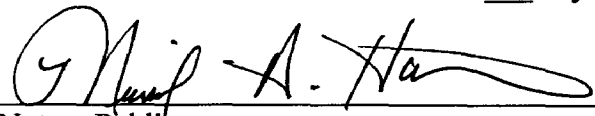
Inventor:


Kenneth C. Wu

State/Commonwealth of)
County of) ss

 Subscribed and sworn to before me, by the above-named Kenneth C. Wu this 9th day of March, 2007.




Notary Public
My Commission Expires: June 19, 2006

Inventor:

Eugene A. Fitzgerald

State/Commonwealth of)
County of) ss

Subscribed and sworn to before me, by the above-named Eugene A. Fitzgerald this ____ day of _____, 2003.

Notary Public
My Commission Expires: _____

Inventor: _____
Gianni Taraschi

State/Commonwealth of)
County of) ss

Subscribed and sworn to before me, by the above-named Gianni Taraschi this ____ day of
_____, 2003.

Notary Public
My Commission Expires: _____

Inventor: _____
Jeffrey T. Borenstein

State/Commonwealth of)
County of) ss

Subscribed and sworn to before me, by the above-named Jeffrey T. Borenstein this ____ day of
_____, 2003.

Notary Public
My Commission Expires: _____

2694095-1

ASSIGNMENT

WHEREAS, We, Kenneth C. Wu, Eugene A. Fitzgerald, Gianni Taraschi, and Jeffrey T. Borenstein, have invented one or more inventions described in an application for Letters Patent of the United States entitled:

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and identified by

Serial No. 09/599,260 filed in the United States Patent Office on June 22, 2000; and

WHEREAS, Massachusetts Institute of Technology (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 77 Massachusetts Avenue, Cambridge, MA 02139, desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, continuations-in-part, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, continuation-in-part, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

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IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals on the date(s) set forth below.

Inventor: _____

Kenneth C. Wu

State/Commonwealth of _____)
County of _____) ss

Subscribed and sworn to before me, by the above-named Kenneth C. Wu this ____ day of _____, 2003.

Notary Public

My Commission Expires: _____

Inventor: _____


Eugene A. Fitzgerald

State/Commonwealth of *Mass*)
County of *Essex*) ss

Subscribed and sworn to before me, by the above-named Eugene A. Fitzgerald this *7th* day of *November*, 2003.

Notary Public

My Commission Expires: _____
Cheryl A. Favor
Notary Public
My Commission Expires
October 9, 2009

Inventor: _____
Gianni Taraschi

State/Commonwealth of)
County of) ss

Subscribed and sworn to before me, by the above-named Gianni Taraschi this ____ day of
_____, 2003.

Notary Public
My Commission Expires: _____

Inventor: _____
Jeffrey T. Borenstein

State/Commonwealth of)
County of) ss

Subscribed and sworn to before me, by the above-named Jeffrey T. Borenstein this ____ day of
_____, 2003.

Notary Public
My Commission Expires: _____

2694095-1

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AND, we hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

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IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals on the date(s) set forth below.

Inventor: _____
Kenneth C. Wu

State/Commonwealth of)
County of) ss

Subscribed and sworn to before me, by the above-named Kenneth C. Wu this ____ day of _____, 2003.

Notary Public
My Commission Expires: _____

Inventor: _____
Eugene A. Fitzgerald

State/Commonwealth of)
County of) ss

Subscribed and sworn to before me, by the above-named Eugene A. Fitzgerald this ____ day of _____, 2003.

Notary Public
My Commission Expires: _____

Inventor:

Gianni Taraschi
Gianni Taraschi

State/Commonwealth of Massachusetts
County of Middlesex) ss

November, 2003. Subscribed and sworn to before me, by the above-named Gianni Taraschi this 20th day of

Julia H. H. H.
Notary Public
My Commission Expires: 12-30-2006

Inventor:

Jeffrey T. Borenstein
Jeffrey T. Borenstein

State/Commonwealth of)
County of) ss

_____, 2003. Subscribed and sworn to before me, by the above-named Jeffrey T. Borenstein this ____ day of

Notary Public
My Commission Expires: _____

2694095-1